July 12, 2011

Mr. Chad Staniszewski, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: Scott Rotary Seals Site (Site No. C905036)
Pre-Design Investigation Report and Remedial Action Work Plan

Dear Mr. Staniszewski:

Please find attached one hard copy of the Pre-Design Investigation Report (an electronic copy is included in Appendix D), and one hard copy of the Remedial Action Work Plan (including an electronic copy in the back cover) for the Scott Rotary Seals Site. An electronic copy of these documents was previously provided to you.

Please contact me if you have any questions regarding this submittal.

Sincerely,
TurnKey Environmental Restoration, LLC

Michael Lesakowski
Project Manager

cc: Crystal Wiech (Scott Rotary Seals)
Robert Knoer, Esq. (The Knoer Group)
Matt Forcucci (NYSDOH)

File: 189-001-107

Pre-Design Investigation Report

Scott Rotary Seals Site
Olean, New York
BCP Site No. 905036

Revised June 2011

0189-001-105

Prepared For: DST Properties NY, LLC &
Scott Rotary Seals

TurnKey Environmental Restoration, LLC

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PRE-DESIGN INVESTIGATION REPORT

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Prepared for:

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&

DST Properties NY, LLC

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1.0 INTRODUCTION

DST Properties NY, LLC (DST), has elected to pursue cleanup and redevelopment of the property, located at 301 Franklin Street, Olean, New York (see Figures 1 and 2), under the New York State Brownfield Cleanup Program (BCP or Program) and executed a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in March 2010.

This document presents the Pre-Design Investigation activities completed at the property. The investigation activities were completed by TurnKey Environmental Restoration, LLC (TurnKey), in conjunction with Benchmark Environmental Engineering & Science, PLLC (Benchmark) in general accordance with NYSDEC 6NYCRR Part 375 and DER-10 (Ref. 1) guidelines.

1.1 Site Background

The subject property (hereinafter, the "Project Site" or the "Site") is an approximate 2-acre parcel of vacant land located in a historic heavy industrial area of the City of Olean, New York. The parcel is not currently improved with any buildings and is bound by railroad tracks to the south and east and former industrial properties to the north and west. Several debris piles containing brick, concrete, metal, and piping apparently associated with former aboveground storage tanks (ASTs) are currently located on-site.

The Site was historically a portion of a larger petroleum refinery and petroleum bulk storage facility commonly known as the former Socony-Vacuum facility. The Site and surrounding area were historically developed as a petroleum refinery with numerous ASTs and heavy industrial operations.

Scott Rotary Seals plans to construct a new 10,000-square foot facility, with expansion plans for additional 5,000-square feet, to be used for the manufacture of rotating unions and rotary timing valves and associated commercial offices.

1.2 Environmental History

1.2.1 September 2008– Phase I Environmental Site Assessment

Neeson-Clark Associates, Inc. (Neeson) conducted a Phase I Environmental Site Assessment (ESA) of the subject property in September 2008 (Ref. 2). Neeson indicated that

the Site was utilized for industrial purposes since approximately 1880 and was historically utilized as a bulk petroleum storage and refining facility. Neeson recommended a subsurface investigation due to historic use of the Site.

1.2.2 November 2008 – Limited Phase II Site Investigation

A Limited Subsurface Investigation Letter Report was completed by Neeson-Clark Associates, Inc. on November 11, 2008 (Ref. 3). The area of the subsurface investigation was limited to the suspected areas of former ASTs. The investigation included excavation of six test pits to approximately 10 feet below grade and collection of soil samples from 5 of the 6 test pits for analysis of VOCs and SVOCs. The subsurface investigation revealed fill materials consisting of bricks, stone, concrete, and metal piping. Soil discoloration and odors of petroleum products were also noted during the test pit excavations. The report concluded that the discoloration and odors would be consistent with degraded petroleum products.

1.2.3 July 2009 – Phase II Site Investigation

TurnKey conducted a Phase II Environmental Investigation at the Site in June 2009 (Ref. 4). The investigation included the excavation of 12 test pits, completion of 3 soil borings, and installation of 3 groundwater monitoring wells on-site. Soil and groundwater samples were collected and analyzed via USEPA SW-846 methods, with Category B deliverable packages, for Target Compound List (TCL) plus NYSDEC Spill Technology and Remediation Series (STARS) list VOCs, STARS List SVOCs, Resource Conservation and Recovery Act (RCRA) metals and polychlorinated biphenyls (PCBs) during the investigation.

During the investigation, grossly contaminated soils, stained soils and petroleum-like odors were observed Site-wide. Most locations exhibited strong petroleum odors and photoionization detector (PID) readings were over 1,000 ppm at several locations. The Phase II Investigation identified the presence of elevated benzo(a)anthracene, chrysene, mercury, VOC tentatively identified compounds (TICs) and SVOC TICs in soil, and acetone, sec-butylbenzene, phenanthrene, in groundwater above NYSDEC GWQS, as well as the presence of VOC TICs and SVOC TICs. Elevated concentrations of VOC TICs (up to 183,600 ug/kg) and SVOC TICs (up to 320,100 ug/kg) were detected in each of the soil samples analyzed. Elevated concentrations of VOC TICs (up to 26,000 ug/L) and SVOC TICs (up to 8,640 ug/L) were detected in each of the groundwater samples. It was concluded that, based on visual/olfactory observations, PID measurements, and analytical

results, significant site-wide petroleum-VOC and -SVOC impacts are evident, with grossly contaminated soils present in some areas, and that site remediation appears warranted.

2.0 INVESTIGATION APPROACH

The purpose of the Pre-design Investigation (Investigation) field activities was to: supplement the previous investigations; characterize the Site in accordance with BCP requirements; define the nature and extent of contamination on-Site; identify the source of contamination, define chemical constituent migration pathways; and, obtain data of sufficient quantity and quality to provide a basis for a Remedial Action Work Plan (RAWP).

On-site field activities included: advancement of soil borings, excavation of test pits, surface and subsurface soil sampling, stockpiled soil/fill sampling, monitoring well installation, groundwater sampling and collection of hydrogeologic data. Representative environmental samples were collected using dedicated sampling devices and were placed in pre-cleaned laboratory provided sample containers, cooled to 4ºC in the field (if necessary), and transported under chain-of-custody command to TestAmerica Laboratories, Inc. (TestAmerica), located in Amherst, New York, a New York State Department of Health (NYSDOH) ELAP-certified analytical laboratory. Samples for chemical analysis were analyzed in accordance with USEPA SW-846 methodology with a Category B deliverable package to meet the definitive-level data requirements, to allow third-party data validation and provide defensible data.

The Investigation field activities were completed in three phases:

- DST submitted a draft Remedial Action Work Plan (RAWP) dated December 2009, which included Pre-Design Investigation activities, including additional surface samples, test pits and soil borings to further characterize the Site per BCP requirements. NYSDEC approved the investigation activities described in that work plan in July 2010 and fieldwork was completed in August 2010.

- Based on the sampling results of the initial Pre-Design Investigation fieldwork, DST submitted a Supplemental Investigation Work Plan to further evaluate groundwater conditions at the Site. Additional monitoring wells MW-4 through MW-6 were installed and sampled for VOCs in October 2010.

- Upon completion of the initial and supplemental Pre-Design Investigation fieldwork, DST and TurnKey met with the NYSDEC to discuss the results and plan future investigation and remedial work. Based on the previous sampling results and discussions with NYSDEC personnel, DST submitted an Off-Site Investigation Work Plan to further evaluate potential off-Site LNAPL in the area of MW-6. Additional monitoring wells MW-7 and MW-8 were installed and sampled for VOCs in January 2011.

2.1 Field Investigation Activities

2.1.1 Surface Soil/Fill

Four surface soil/fill samples, identified as SS-1 through SS-4 were collected across the Site in October 2010 (see Figure 3). Surface samples were analyzed for TCL plus STARS VOCs, TCL SVOCs, RCRA metals, PCBs, herbicides and pesticides.

2.1.2 Stockpiled Soil/Fill

Three stockpiled soil/fill samples, identified as North Pile, South Pile and East Pile (aka Poly Pile) were collected in August 2010 (see Figure 3). Stockpiled soil/fill samples were analyzed for TCL plus STARS VOCs and TCL SVOCs.

2.1.3 Sub-Surface Soil/Fill

The subsurface investigation included the excavation of 12 test-pits, identified as TP-13 through TP-24 and the advancement of 15 on-Site soil borings identified as MW-4, MW-5, MW-6, SB-01, SB-02, SB-13, SB-15 through SB-18 and SB-20 through SB-24 [the soil borings SB-13, SB-15 through SB-18 and SB-20 through SB-24 were advanced through the area of the corresponding test pit; for example SB-13 was advanced through TP-13 to obtain data at a greater depth than could be achieved via the test pit]. Two off-Site soil borings identified as MW-7 and MW-8 were also completed (see Figure 3). Test pits were excavated utilizing an excavator, and were excavated to vertical limits of the excavator arm, with a maximum depth of approximately 17 feet below ground surface (fbgs). Soil borings were completed utilizing a direct-push drill rig (SB-01, SB-02, SB-13, SB-15 through SB-18 and

SB-20 through SB-24) and hollow-stem auger drill rig (MW-4 through MW-8) and were advanced to depths ranging from approximately 20 fbgs to 32 fbgs.

Subsurface soil/fill samples were collected from the test pits and soil borings and field-screened for the presence of VOCs using a field photoionization detector (PID). Soil/fill samples were collected using dedicated stainless steel sampling tools. Representative soil samples were placed in pre-cleaned laboratory provided sample bottles, cooled to 4ºC in the field, and transported under chain-of-custody command to Test America, a NYSDOH ELAP-certified analytical laboratory. Selected subsurface soil/fill samples were analyzed for TCL plus STARS VOCs including TICs and/or TCL SVOCs including TICs. Subsurface soil/fill samples TP-15, TP-16, and TP-20 were also analyzed for Target Analyte List (TAL) metals, polychlorinated biphenyls (PCBs), herbicides and pesticides.

Twelve historic test pits, designated as TP-1 through TP-12, were completed by TurnKey during the June 2009 Phase II Investigation previous to the BCP Pre-Design Investigation, which are also shown on Figure 3. Subsurface soil samples collected at that time were analyzed for TCL plus NYSDEC STARS VOCs including TICs, NYSDEC STARS List SVOCs including TICs, RCRA metals and/or PCBs.

Appendix A contains the test pit and soil boring field logs from Pre-Design Investigation and the June 2009 Phase II Investigation.

2.2 Groundwater Investigation

2.2.1 Monitoring Well Installation

Three on-Site monitoring wells (MW-4 through MW-6) and two off-Site monitoring wells (MW-7 and MW-8) were advanced through unconsolidated overburden soil/fill material to facilitate well installation. Monitoring wells MW-4 through MW-6 were installed using a direct-push drill rig capable of advancing hollow-stem augers and MW-7 and MW-8 were installed using a traditional hollow stem auger drill rig in accordance with their respective approved work plans. Historic on-Site monitoring wells MW-1 through MW-3 were installed during the June 2009 Phase II Investigation.

Monitoring well construction details are presented on the Field Borehole Logs in Appendix A. Locations of the monitoring wells are presented on Figure 3.

2.2.2 Groundwater Sample Collection

Newly installed monitoring wells were developed prior to sampling to remove residual sediments and ensure good hydraulic connection with the water-bearing zone. A minimum of three well volumes were removed from each well. Prior to sample collection, static water levels were measured and recorded from all monitoring wells. Following water level measurement, Benchmark personnel purged and sampled monitoring wells using a submersible pump and dedicated pump tubing via low-flow/minimal drawdown purge and sample collection procedures. Prior to sample collection, groundwater was evacuated from each well at a low-flow rate (typically less than 0.1 L/min). Field measurements for pH, specific conductance, temperature, turbidity, and water level as well as visual and olfactory field observations were periodically recorded and monitored for stabilization. Purging was considered complete when pH, specific conductivity, and temperature stabilized, and when turbidity measurements fell below 50 Nephelometric Turbidity Units (NTU) or became stable above 50 NTU. Upon stabilization of field parameters, groundwater samples were collected.

Prior to and immediately following collection of groundwater samples, field measurements for pH, specific conductance, temperature, turbidity, dissolved oxygen, and water level as well as visual and olfactory field observations were recorded.

All collected groundwater samples were placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to Test America for analysis.

2.2.3 Groundwater Sample Analyses

Groundwater samples collected on August 19, 2010, from wells MW-1 through MW-3 were analyzed for TCL plus STARS list VOCs including TICs, TCL SVOCs including TICs, TAL metals, PCBs, herbicides, and pesticides Groundwater samples collected on October 28, 2010 from wells MW-1 through MW-6 and groundwater samples collected on January 17, 2010, from wells MW-7 through MW-8 were analyzed for TCL plus STARS list VOCs including TICs. All groundwater samples were analyzed in accordance with USEPA SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

2.3 Field Specific Quality Assurance/Quality Control Sampling

In addition to the surface soil, subsurface soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples were collected and analyzed to ensure the reliability of the generated data and to support the required third-party data usability assessment effort. Site-specific QA/QC samples included matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks (as required).

2.4 Site Mapping

A Site map was developed during the Pre-Design Investigation. All sample points and relevant Site features were located on the map. TurnKey employed a Trimble Geo XH handheld GPS unit to identify the locations of all sample locations relative to State planar grid coordinates. Monitoring well elevations were measured by TurnKey's surveyor; measurements are relative to the top of fire hydrant, a known vertical datum.

3.0 SITE PHYSICAL CHARACTERISTICS

The physical characteristics of the Site observed during the Pre-Design Investigation are described in the following sections.

3.1 Site Topography and Drainage

The Site is located at the base of a hill, the top of which is approximately 500 feet higher than the Site. Olean Creek is located 1.5 miles east of the Site, which flows south into the Allegany River about 3.5 miles south of the Site. The area adjacent to the Site is generally flat.

Ground surface elevation at the Site ranges between about 1423 to 1432 feet above mean seal level (FAMSL). Initial pre-construction activities in 2009 resulted in a large depression and several soil piles on Site. Portions of the Site are covered with sparse vegetation, grass and brush. Runoff from the Site that does not infiltrate the ground will generally flow to the north toward Franklin Street.

3.2 Geology and Hydrogeology

3.2.1 Overburden

The overburden at the Site was investigated during the investigation and is generally described as fill materials overlying native brown sand with gravel. The fill materials range in thickness up to 6 feet. Fill consists of silt, sand, and gravel with varying amounts of brick, metal, and concrete materials. Native materials consist of fine to coarse sand and gravel to the depths investigated (up to 32 fbgs).

3.2.2 Hydrogeology

The uppermost water bearing unit at the Site is the unconfined native sand and gravel. The depth to groundwater during this study ranged from about 13 to 26 fbgs. Localized groundwater flow appears to flow toward the southeast based on the groundwater elevation data (See Figure 6). Groundwater elevations presented in Table 5, were corrected for product thickness using an assumed specific gravity of 0.80 for the product.

Water level measurements from well MW-8 were higher than the nearby wells (i.e., 1413.42 FAMSL on March 10, 2011, which was the highest groundwater elevation measurement made in the well network on that day). This high groundwater elevation appears to be a localized effect, and does not appear to affect the overall southeasterly flow direction on the Site.

4.0 INVESTIGATION RESULTS BY MEDIA

The following sections discuss the analytical results of the Pre-Design Investigation and previous investigation. Tables 1 through 4 summarize analytical laboratory data from surface soil/fill, qualitative subsurface soil/fill, analytical subsurface soil/fill, and groundwater, respectively. Appendix B includes the laboratory analytical data packages. Figure 3 present the sample locations.

For discussion purposes, the data are compared with Standards, Criteria and Guidance values (SCGs) applicable to each medium as follows:

- Tables 1 and 3 present a comparison of the detected surface soil/fill, and subsurface soil/fill parameters to 6NYCRR Part 375-6 Commercial SCOs (December 2006).
- Table 4 presents a comparison of the detected groundwater parameters to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998).

Sample results compared to SCGs are described below according to media and contaminant class.

4.1 Surface Soil/Fill

Surface soil samples, SS-1 through SS-4, did not exhibit olfactory or visual evidence of contamination. Results are presented on Table 1.

4.1.1 Volatile Organic Compounds

Test results from samples SS-1 through SS-4 contained VOCs including TICs at concentrations below Commercial SCOs.

4.1.2 Semi-Volatile Organic Compounds

Two sample locations had detections of SVOCs that exceeded their Commercial SCOs. Benzo(a)pyrene was detected at a concentration of 1.5 mg/kg in SS-2.

Benzo(a)pyrene and dibenz(a,h)anthracene were each detected at a concentration of 1.5 mg/kg in SS-4.

4.1.3 Inorganic Compounds

One inorganic compound, arsenic, was detected above its Commercial SCO at all four sample locations ranging from 18.5 mg/kg in SS-1 to 42.4 mg/kg in SS-3.

4.1.4 Pesticides, Herbicides and Polychlorinated Biphenyls

Pesticides, herbicides, and PCBs were reported as non-detectable or below Commercial SCOs.

4.1.5 Surface Soil/Fill Summary

Two sample locations (SS-2 and SS-4) slightly exceeded the Commercial SCO for benzo(a)pyrene and SS-4 also slightly exceeded the Commercial SCO for dibenz(a,h)anthracene. Arsenic was detected above its Commercial SCO at all four surface sample locations.

4.2 Stockpiled Soil/Fill

Stockpiled soil samples, North Pile, South Pile and East Pile, did not exhibit olfactory or visual evidence of contamination. VOCs and SVOCs were reported as non-detectable or below Commercial SCOs. Results are presented on Table 3.

4.3 Subsurface Soil/Fill

4.3.1 Qualitative Field Screening Results

The qualitative field results were consistent with the findings of the 2009 Phase II Investigation; stained soils and petroleum-like odors were observed Site-wide with many sample locations exhibiting strong petroleum odors and elevated PID readings over 1,000 ppm. Results of PID screening on the subsurface soils are summarized in Table 2. The PID screening data suggest that near surface soils for the most part are only marginally contaminated with VOCs. The PID screening results increase (e.g., TP/SB-13, TP/SB-15)

with depth, often times with the highest readings reported either at the water table or directly above the water table in the smear zone.

Lateral or plan view depictions of the PID screening are presented on Figures 4a through 4d at differing elevations as follows:

Figure #	Elevation Range (FAMSL)
4a	1421-1417
4b	1416-1412
4c	1411-1407
4d	1406 -1402

Higher PID readings are generally found in the northern portion of the Site in all four elevation ranges. The PID readings attenuate to the south, west, and east. Of note, Figure 4c is representative of the top of water table and the smear zone, where the highest PID readings were observed.

4.3.2 Volatile Organic Compounds

VOC concentrations were below Commercial SCOs (See Table 3 and Figure 5). VOC TICs were detected at estimated concentrations up to ~381 mg/kg (SB-15 15-17'). Higher total VOC concentrations, including TICs, correlate with higher PID readings.

4.3.3 Semi-Volatile Organic Compounds

SVOC concentrations were below Commercial SCOs (see Table 3). SVOC TICs were detected at estimated concentrations up to ~319 mg/kg (TP-6 3-11').

4.3.4 Inorganic Compounds

All subsurface soil samples analyzed for inorganic compounds were below Commercial SCOs (see Table 3).

4.3.5 Pesticides, Herbicides and Polychlorinated Biphenyls

Pesticides, herbicides, and PCBs were not detected in the subsurface soil samples (see Table 3).

4.3.6 Subsurface Soil/Fill Summary

Stained soils and petroleum-like odors were observed Site-wide with many sample locations exhibiting strong petroleum odors and elevated PID readings over 1,000 ppm. PID screening results presented on Table 2 and Figures 4a through 4d show that elevated concentrations exist across the Site, with the highest results observed in the northwestern portion of the Site. PID readings typically increase with depth with the higher levels found at the water table and in the smear zone directly above the water table.

VOCs, SVOCs, inorganics, pesticides, herbicides and PCBs were not detected at concentrations in excess of their Commercial SCOs. Total VOCs, including TICs, correlate with the elevated PID screening results and with the presence of odors and discolored soils.

4.4 Groundwater

The sampling results for groundwater monitoring completed in August 2010, October 2010, and January 2011 are discussed in the following sections.

4.4.1 LNAPL

During the October 2010 groundwater gauging event, LNAPL was detected in three wells (MW-2, MW-4 and MW-6). Monitoring wells MW-2 and MW-4 only had trace (0.01' thick) amounts of LNAPL while MW-6 had 0.88' thick LNAPL present. LNAPL was not detected in any monitoring wells during a groundwater monitoring/gauging event in January and a subsequent groundwater gauging in March 2011.

4.4.2 Volatile Organic Compounds

Individual VOCs were detected at concentrations below their respective GWQS (see Table 4). VOC TICs were reported at estimated concentrations up to 800 ug/L. Detected concentrations of total VOCs, including TICs, ranged from 73 to 1060 ug/L. VOCs were not detected in well MW-3.

The distribution of total VOCs, including TICs, are presented on Figure 6. The concentration contours show a decreasing trend in the direction of groundwater flow toward the southeast. The highest total VOCs were reported in well MW-4 at the northern portion of the Site, which is the farthest hydraulically upgradient well on the Site. This suggests the possibility that contaminated groundwater is migrating onto the Site.

VOCs were detected in off-Site groundwater at concentrations of 308 ug/L total VOCs, including TICs, in MW-7 and 355 ug/L total VOCs, including TICs, in MW-8. Of note, VOCs in off-Site wells MW-7 and MW-8 were detected at slightly higher concentrations than nearby on-Site well MW-6.

4.4.3 Semi-Volatile Organic Compounds

All samples analyzed for SVOCs were reported as non-detectable or below GWQS (see Table 4). SVOC TICs were detected at concentrations ranging from 78 ug/L to 508 ug/L, with the highest estimated concentration at well MW-2.

4.4.4 Inorganic Compounds

The majority of samples analyzed for inorganic compounds were reported as non-detectable or below GWQS. Inorganics detected at concentrations above GWQS were limited to iron, magnesium, and manganese at groundwater wells MW-1, MW-2 and MW-3. These exceedances are likely attributable to ambient groundwater conditions.

4.4.5 Pesticides, Herbicides and Polychlorinated Biphenyls

The majority of samples analyzed for pesticides, herbicides, and PCBs were reported as non-detectable or below GWQS. One pesticide, alpha-BHC was detected at estimated concentrations and only slightly above GWQS at groundwater wells MW-1, MW-2 and MW-3. PCBs and herbicides were not detected. These detections are likely attributable to ambient groundwater conditions.

4.4.6 Groundwater Summary

LNAPL was observed in wells MW-2, MW-4 and MW-6. The thickness of product measured in the wells ranged to 0.88 ft. detected on October 26, 2010 in MW-6. LNAPL was not observed during well gauging events in January and March 2011.

There were no exceedances of GWQS for VOCs, SVOCs, PCBs or herbicides. Three inorganics (iron, magnesium, and manganese) and one pesticide did exceed GWQS. These exceedances are likely due to ambient groundwater conditions.

The distribution of total VOCs shows the highest concentration was located in the furthest upgradient well on Site (MW-4) proximate to the northern property line. The concentration contours show a decreasing trend in the direction of groundwater flow toward

the southeast. Either the source area is located proximate to MW-4 and/or the contamination is coming on-Site from upgradient sources. Offsite contamination is apparent in wells MW-7 and MW-8. Whether this contamination is from the Site is not clear given the slightly higher VOCs concentrations in MW-7 and MW-8 compared to nearby on-Site well MW-6 and the relatively high groundwater elevation at MW-8.

The source of the contamination found on the Site is likely a combination of the upgradient groundwater and contributions from the former refinery operations on the site (e.g., leaking pipelines, spillage, etc).

4.5 Data Usability Summary

The laboratory analytical data from this investigation was assessed and, as required, submitted for independent review. Data Validation Services located in North Creek, New York performed the data usability summary assessment, which involved a review of the summary form information and sample raw data, and a limited review of associated QC raw data. Specifically, the following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Recoveries
- Field Duplicate Correlation
- Preparation/Calibration Blanks
- Control Spike/Laboratory Control Samples
- Instrumental IDLs
- Calibration/CRI/CRA Standards
- ICP Interference Check Standards
- ICP Serial Dilution Correlations
- Sample Results Verification

The Data Usability Summary Report (DUSR) was conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, as well as professional judgment.

In summary, no data were rejected, but some data were further qualified during the data validation. Any additional qualifications of the data have been incorporated to the summary data tables. Appendix C includes the DUSRs.

5.0 INTERIM REMEDIAL MEASURE (IRM)

The IRM summarized below was completed in accordance with the NYSDEC-approved IRM Work Plan dated February 11, 2011. This work focused on removal and recycling of historic product piping, extraction and disposal of the product contained within the pipes and characterization and removal of impacted stockpiled soil. Figure 7 presents the location of IRM pipe removal areas. Specific elements of the IRM, as implemented, included:

Stockpiled Fill/Soil

The stockpiled soil/fill piles were segregated into approximate 500-CY sections labeled as the North Pile, South Pile E, South Pile W, East Pile and West Pile. The soil in these piles was inspected for staining, odors or discoloration, and field screened for the presence of VOCs with a PID. Each approximate 500-CY section of soil/fill pile was sampled on February 28th, 2011 for TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL inorganics, PCBs, pesticides and herbicides.

The visual and olfactory observations did not reveal any staining or odors. Test results showed the presence of arsenic, copper, lead, and mercury at levels exceeding Commercial SCOs in the North Pile, South Pile E, South Pile W and East Pile samples (see Table 6). Piles with exceedances of Part 375 Commercial SCOs were loaded and transported to Waste Management of New York Chaffee Landfill (Waste Management). Approximately 1,982 tons of soil/fill was excavated and disposed off-Site.

Piping

During the pipe removal, pipes ranging in size from 3-inches to 12-inches in diameter, which contained product, scale, and water, were encountered. Pipe removal began at known piping locations based upon observations during previous investigations. Piping was typically found in the upper 6 feet of the soils. Along the piping runs, exploratory holes were placed in pipe trenches down to 8 fbgs in several locations to check for deeper sub-surface piping. During the course of the excavation of the piping, numerous additional pipes were encountered.

Typically, soils were removed and the tops of pipes were exposed. Each pipe was marked with paint and photographed. Pipes were then exposed in 20 to 40-foot sections, tapped with a 3/8-inch drill bit, and then checked for contents (water, oil or solids). Before removal from the excavation, pipes were cleaned of soils that adhered to the outside of the pipe.

Pipes containing solid pipe scale were cut and removed from the excavation. Removal of the scale material was performed by holding a section of pipe above a steel open top 55-gallon DOT drum and manually impacting them with hammers until contents fell into the drum. The scale-containing pipes were then placed on polyethylene and cleaned before being removed from site and recycled.

Pipes containing oil and water were drained in-place by drilling through the pipe and the liquid contents were allowed to drain into containers that were placed underneath the pipe and then transferred into a 7,000-gallon holding tank staged on-Site. Some of the product piping contained a heavy oil residue after draining. After draining the pipes, approximate 20-feet sections of pipe were cut; openings of the pipe were covered with absorbent pads to prevent spillage, and then removed from the excavation. One end of the pipe was placed over a steel open-top 55-gallon DOT drum, and the pipe contents were then removed using steel rods and brushes to push the pipe contents into the drum. The emptied product pipes were then stacked on polyethylene and covered until removal.

Pipes removal continued in this fashion until the end of the pipe was found or the pipe extended off-Site. Where piping terminated on site, the excavation was continued 6-feet beyond the termination and 2 to 3 feet below the depth of the removed pipe. Pipes that extended off-site were cut at the property line and capped with rubber caps, PVC or concrete depending upon the pipe contents (concrete was used to plug lines with heavier product). Locations and any remaining pipe contents that extended off-Site are shown on Figure 7.

In all, approximately 5,761 linear feet of piping was removed (over 70 tons of piping was recycled) (see Table 7). Pipe contents resulted in 8 drums of residual oil and 17 drums of pipe scale. A summary of IRM waste/materials disposition is included as Table 8.

When the identified piping had been removed, exploratory trenches 8 fbgs were excavated in undisturbed locations on Site to investigate potential additional sub-surface piping at the locations shown on Figure 7. No additional pipes were identified in the exploratory trenches.

6.0 SUMMARY AND CONCLUSIONS

Based on the data and analyses presented in the preceding sections, we offer the following summary and conclusions:

Hydrogeology

- Soil at the site consists of fill material that is up to 6 feet thick. Native soil consists of sand and gravel.
- The uppermost water bearing unit is an unconfined sand and gravel layer. The depth to groundwater from ground surface ranges between about 13 to 26 feet. Groundwater in the uppermost water bearing unit flows to the southeast.

Contamination

- **Surface Soil** - Arsenic was detected above its Commercial SCO at all four sample locations. Two sample locations (SS-2 and SS-4) slightly exceeded the Commercial SCO for benzo(a)pyrene and SS-4 slightly exceeded the Commercial SCO for dibenz(a,h)anthracene.

- **Subsurface Soil** - PID screening results presented on Table 2 and Figures 4a through 4d show that elevated concentrations exist in the northern portion of the Site and that the concentrations typically increase with depth with the higher levels found in the smear zone.

  VOCs, SVOCs, inorganics, pesticides, herbicides and PCBs were not detected at concentrations in excess of their respective Commercial SCOs.

  Total VOCs correlate with the elevated PID screening results and with the presence of odors and discolored soils.

- **Groundwater** - LNAPL was observed present in wells MW-2, MW-4 and MW-6. The thickness ranged to 0.88 feet measured on October 26, 2010 in

well MW-6. LNAPL was not observed during well gauging events in January and March 2011.

There were no exceedances of GWQS for VOCs, SVOCs, PCBs or herbicides. Three inorganics (iron, magnesium, and manganese) and one pesticide did exceed GWQS. These exceedances are likely due to ambient groundwater conditions.

The distribution of total VOCs in groundwater shows the highest concentration was located in the furthest upgradient well on Site (MW-4) proximate to the northern property line. The concentration contours show a decreasing trend in the direction of groundwater flow toward the southeast. Either the source area is located proximate to MW-4 and/or the contamination is coming on site from upgradient offsite source(s). Offsite contamination is apparent in wells MW-7 and MW-8. Whether this contamination is from the Site is not clear given the slightly higher VOCs concentrations in MW-7 and MW-8 compared to nearby on-Site well MW-6 and the relatively high groundwater elevation at MW-8.

The source of the contamination found on the Site is likely a combination of the upgradient groundwater and contributions from the former refinery operations on the site (e.g., leaking pipelines, spillage, etc).

IRM

Stockpiled soil/fill piles with exceedances of heavy metals above Part 375 Commercial SCOs were loaded and transported to Waste Management. Approximately 1,982 tons of soil/fill was excavated, transported and disposed off-Site at Waste Management.

Pipe removal was completed that included the removal of over 5,761 linear feet of 3" to 12" diameter pipe. Pipe contents resulted in 8 drums of oil, 17 drums of pipe scale, and 1,489 gallons of oil/water mixture. Pipes were sent off-Site for

recycling and oil and water drums were characterized for off-Site disposal at Waste Management.

Planned Remedial Action

Based upon the results of the Pre-Design Investigation data and discussed with NYSDEC personnel, the revised remedial approach described below was developed. This revised Remedial Action Work Plan consists of the following major work elements:

- Limited excavation of shallow unsaturated impacted soil within the northwest area of the Site, including the building footprint and utility corridors;
- Off-site transportation and disposal of impacted soil at a permitted solid waste disposal facility;
- Installation of a SVE system Site-wide to mitigate deeper VOC-impacted soil;
- Removal of LNAPL, as necessary, from select monitoring wells;
- Design and installation of a vapor barrier and active sub-slab depressurization system;
- Placement of a soil cover system in areas without building or hardscape (i.e., asphalt, concrete); and,
- Development of a Site Management Plan (SMP) for post-certificate of completion (COC) operation, maintenance and monitoring.

TABLES

TABLE 1
SURFACE SOIL ANALYTICAL RESULTS
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Parameter [1]	Commercial SCOs[2] (mg/kg)	SAMPLE LOCATION August - 2010			
		SS-1	SS-2	SS-3	SS-4
TCL plus STARS Volatile Organic Compounds (VOCs) - mg/kg [3]					
Acetone	**500**	0.071	ND	ND	ND
2-Butanone (MEK)	**500**	0.036	ND	ND	ND
Methylcyclohexane	**--**	0.02	0.0033	ND	ND
Methylene chloride	**500**	0.0063	ND	ND	0.0046 J
Tentatively Identified Compounds (TICs)	**--**	0.16	0.020	ND	ND
Total VOCs	**--**	***0.30***	***0.023***	***ND***	***0.005***
TCLSemi-Volatile Organic Compounds (SVOCs) - mg/kg [3]					
Acenaphthene	**500**	ND	0.25 DJ	ND	ND
Anthracene	**500**	ND	0.45 DJ	ND	ND
Benzo(a)anthracene	**5.6**	0.16	1.3 DJ	ND	0.91 D
Benzo(b)fluoranthene	**5.6**	0.28	1.6 DJ	0.88	1 D
Benzo(g,h,i)perylene	**500**	0.16	1.1 DJ	0.93	2.1 D
Benzo(k)fluoranthene	**56**	ND	0.6 DJ	ND	ND
Benzo(a)pyrene	**1**	0.17	1.5 DJ	ND	1.5 D
Carbozole	**--**	ND	0.23 DJ	ND	ND
Chrysene	**56**	0.19	1.4 DJ	ND	1.5 D
Dibenzo(a,h)anthracene	**0.56**	ND	ND	ND	1.5 D
Fluoranthene	**500**	0.3	2.9 D	ND	0.35 DJ
Fluorene	**500**	ND	0.17 DJ	ND	ND
Bis(2-ethylhexyl) phthalate	**--**	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**5.6**	0.13	0.81 DJ	ND	0.92 D
Naphthalene	**500**	ND	ND	ND	ND
Phenanthrene	**500**	0.17	2 D	ND	0.28 DJ
Pyrene	**500**	0.27	2.7 D	0.71	0.51 DJ
Tentatively Identified Compounds (TICs)	**--**	0.84	ND	ND	46.23
Total SVOCs	**--**	***2.7***	***17.0***	***2.5***	***56.8***
TAL Metals - mg/kg					
Aluminum	**--**	9390	7340	6800	8180
Arsenic	**16**	18.5	30.7	42.4	21.1
Barium	**400**	82.1	84.9	96.8	132
Beryllium	**590**	0.406	0.406	0.455	0.741
Cadmium	**9.3**	ND	0.31	0.329	ND
Calcium	**--**	5520	21000	9190	3210
Chromium	**400**	9.59	10	16	8.98
Cobalt	**--**	6.61	4.82	5.6	6.67
Copper	**270**	53.1	63.9	173	167
Iron	**--**	17800	16900	27800	16900
Lead	**1000**	69	93.9	518	93.5
Magnesium	**--**	2550	5280	2550	1500
Manganese	**10,000**	546 J	437 J	282 J	429 J
Nickel	**310**	13.5	14.2	16.8	13.6
Potassium	**--**	692	1020	583	695
Vanadium	**--**	16.2	20	20.4	18.1
Zinc	**10,000**	87.1 J	142 J	142 J	114 J
Mercury	**2.8**	0.571	0.872	1.93	0.191
Organochlorine Pesticides mg/kg [3]					
alpha-BHC	**3.4**	ND	ND	ND	ND
4,4'-DDE	**62**	ND	ND	ND	ND
4,4'-DDT	**47**	ND	0.0074 J	ND	0.0056 NJ
Endrin	**89**	ND	ND	ND	0.0018 J
Polychlorinated Biphenyls (PCBs) - mg/kg [3]					
All Aroclors	**1**	ND	ND	ND	ND

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted-Commercial Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in micograms per kilogram (ug/kg) and converted to milligram per kilogram (mg/kg) for comparison to SCOs.

Definitions:
ND = Parameter not detected above laboratory detection limit.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NJ = The detection is tentative in identification and estimated in value.
D = All compounds were identified in an analyisis at the secondary dilution factor.
Sample concentration exceeds Commercial SCO.

TABLE 2

QUALITATIVE PID[1] SOIL SCREENING SUMMARY
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Elevation (ft)	TP-1	TP-2	TP-3	TP-4	TP-5	TP-6	TP-7	TP-8	TP-9	TP-10	TP-11	TP-12	TP/SB-13	TP-14	TP/SB-15	TP/SB-16	TP/SB-17	TP/SB-18	TP-19	TP/SB-20	TP/SB-21	TP/SB-22	TP/SB-23	TP/SB-24	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	SB-1	SB-2	Elevation (ft)
1435																																			1435
1434																																1.7			1434
1433																																			1433
1432																		1.6														0.2			1432
1431																				ND					96				0.1	0.1					1431
1430																		1.3													0.8				1430
1429												ND								8.7									0.1	0		2.4			1429
1428				ND	ND													1.3				11.3													1428
1427												100	ND							ND					5.7					0.1	0	0.5	0	ND	ND	1427
1426						ND					ND				ND			1.3			ND	84.2	2.3	7.3		4.3	13.3	1.2	0.1						1426
1425	ND	ND	ND		ND							805	0.7		791	ND		1	11.3			14.7	1.6	2.4	135			2.4	0.2	0.2	0.4	0.9			1425
1424				195							25.8		55.7		1183			0.4	360	1.8		345	69.6	73		20.7	7.1	290	0.2	0.4	0.2	19.2	1.3	170	1424
1423					64	1195	ND	ND	ND	ND			309	ND	1536		ND	ND	297	0.5	67	915	1316	295	125	1336	9	227	0.5	1	1.7	10.4			1423
1422			1.9								540		670		1599			75	308		103	833	1767	432		1782	6.1	599	0.7	0.3	0.4	2.2	ND	778	1422
1421	11.9									1094			1463		1609	451		108	369	23	134	945	1700	463	78.9		10.3	915	0.8	113	0.7	290	10.6	1040	1421
1420		25.8						42	1254				1534	ND	1861	584		180	187	230	650	1062	1605	481		1989	9.5		1.6	92.4	0.5	535	72	1588	1420
1419													1718		1875	394	33.7	109	350	408	682	1082	1607	537		1305	180	78.9	0.4	317	367	148		1296	1419
1418													2453		2048	912	106	705	523	787	316	1103	1934	1166	259	1726	718	754	765	230	16.7	655	212	1477	1418
1417													54.2	791	2048	912	106	705	523	538	316	1103	1934	1166		1726	718	1306	765	14.3	116	860			1417
1416													ND		904	1920	707	332			16		714	1529	465	1928	488		417				255	726	1416
1415															285	0.2	290	803					590	1592		508	227	1490	783	201	93.2	297	354	796	1415
1414																														156	763				1414
1413															185	130	58.7	21.7					185	132	230	775	137	813					278		1413
1412																										314	79.8	507	499		1087		312		1412
1411																		13.6								646	720	853							1411
1410																												1326							1410
1409																																			1409
1408																																			1408
1407																																			1407
1406																																			1406
1405																																			1405
1404																																			1404
1403																																			1403
1402																																			1402
1401																																			1401
1400																																			1400
1399																																			1399

Range of groundwater elevation (1406-1413 fmsl) based on data from Table 5

1. Photoionization detector (PID) screening results in parts per million (ppm).

Notes:

ND = Not detected at that depth interval.

PID>1000 ppm

Table 3
Subsurface Soil Analytical Results
Scott Rotary Seals Site
301 Franklin Street
Olean, New York

Parameter [1]	Commercial SCOs[2] (mg/kg)	SAMPLE LOCATION																					
		TP-2 (16-18)	TP-4 (4-10)	TP-5 (5-8)	TP-6 (3-11)	TP-9 (12-14)	TP-10 (3-11)	TP-12 (2.5-8.5)	MW-2 (16-20)	SB-1 (20-24)	SB-2 (16-20)	SB-13 (6-8)	TP-13 (14-16)	SB-13 (18-20)	TP-14 (15-17)	TP-15 (3-4)	TP-15 (15-17)	SB-15 (17-20)	TP-16 (15-17)	SB-16 (20-24)	TP-17 (15-17)	SB-17 (23-26)	TP-18 (15-17)	SB-18 (24-28)
PID Results →		25.8	195	64	1195	1254	1094	100-805	1305-1928	255-354	1296-1477	309-670	1718-2453	0-54.2	791	791-1183	1875-2048	904-2048	451-584	912-1920	0	290-707	75-108	21.7-803
Sample Date →		Jun-09	Jun-09	Jun-09	Jun-09	Jun-09	Jun-09	Jun-09	Jun-09	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10
TCL plus STARS Volatile Organic Compounds (VOCs) - mg/kg [3]																								
Acetone	**500**	ND	NA	NA	0.079	ND	ND	0.0073 J	ND	ND	ND	ND	ND	ND	0.047 J	ND	0.1	ND	0.04 J	ND	ND	ND	0.029 J	ND
2-Butanone (MEK)	**500**	ND	NA	NA	ND	ND	0.18	ND	0.2	ND	ND	ND	ND	ND	ND	ND	0.019 J	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**--**	ND	NA	NA	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043 J	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	**--**	ND	NA	NA	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	ND	NA	NA	20	ND	ND	ND	9.3	ND	0.81	ND	ND	ND	ND	33 D	0.06	90 D	ND	1.9	ND	ND	ND	ND
Methylene chloride	**500**	ND	NA	NA	ND	ND	0.2	ND	0.12	ND	ND	ND	ND	ND	0.055	ND	0.009	ND	0.076	ND	0.0076	ND	0.019 J	ND
Toluene	**500**	ND	NA	NA	ND	ND	ND	0.0012 J	ND	ND	ND	ND	ND	ND	0.016 J	ND	ND	ND	0.017 J	ND	0.0029 J	ND	0.01 J	ND
1,2,4-Trichlorobenzene	**--**	ND	NA	NA	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**500**	ND	NA	NA	0.0056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cymene (p-isopropyltoluene)	**--**	ND	NA	NA	ND	ND	ND	0.042 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**500**	ND	NA	NA	0.036	ND	ND	0.031 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**500**	0.0024	NA	NA	0.037	0.0074	0.094	0.022 J	ND	ND	0.088 NJ	ND	ND	ND	ND	ND	ND	0.78	ND	ND	ND	ND	0.0099 J	ND
tert-Butylbenzene	**500**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tentatively Identified Compounds (TICs)	**--**	0.5	NA	NA	9.0	8.5	110.7	5.6	174.0	23.6	108.0	57.2	85.0	16.2	16.7	280 W1	0.253	381 D	33.2	78.8	ND	12.28	14.2	18.6
Total VOCs	**--**	***0.50***	NA	NA	***29.16***	***8.46***	***111.31***	***5.69***	***183.62***	***23.60***	***108.81***	***57.20***	***85.11***	***16.20***	***16.81***	***313.00***	***0.45***	***471.78***	***33.33***	***80.70***	***0.01***	***12.28***	***14.27***	***18.60***
TCLSemi-Volatile Organic Compounds (SVOCs) - mg/kg [3]																								
Benzo(a)anthracene	**5.6**	ND	NA	NA	0.068 DJ	ND	ND	0.16 DJ	0.048 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	ND
Benzo(b)fluoranthene	**5.6**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	**500**	ND	NA	NA	ND	ND	ND	0.1 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.077 J	ND
Benzo(a)pyrene	**1**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.098 J	ND
Chrysene	**56**	2 D	NA	NA	0.14 DJ	ND	ND	0.43 DJ	0.085 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND
Fluoranthene	**500**	0.17 DJ	NA	NA	ND	ND	ND	0.092 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**500**	0.076 DJ	NA	NA	ND	0.31 DJ	ND	0.17 DJ	0.54 DJ	ND	ND	ND	ND	0.014 NJ	0.16 J	0.35	0.017 NJ	0.43 NJ	ND	ND	ND	ND	ND	0.083 NJ
Bis(2-ethylhexyl) phthalate	**--**	ND	NA	NA	ND	ND	ND	ND	ND	0.24 DJ	ND	0.076 J	ND	0.44	ND	ND	ND	ND	ND	ND	ND	0.29	ND	1.3
Indeno(1,2,3-cd)pyrene	**5.6**	ND	NA	NA	ND	ND	ND	0.06 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**500**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**500**	ND	NA	NA	0.65 DJ	0.64 D	ND	0.52 DJ	0.87 DJ	ND	0.48 DJ	ND	ND	0.029 J	ND	0.61	0.042 J	0.74 J	ND	0.43	ND	0.046	ND	0.23
4-Methylphenol	**--**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**500**	ND	NA	NA	ND	ND	ND	0.2 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tentatively Identified Compounds (TICs)	**--**	29	NA	NA	319.2	58.9	89.1	121.4	195.1	17.59	164.4	ND	39.26	4.73	80.3	69.5	9.12	257.9	30.82	122.1	1.98	10.55	33.59	37.46
Total SVOCs	**--**	***31.2***	NA	NA	***320.1***	***59.9***	***89.1***	***123.1***	***196.6***	***17.8***	***164.9***	***0.1***	***39.3***	***5.2***	***80.5***	***70.5***	***9.2***	***258.6***	***30.8***	***122.5***	***2.0***	***10.9***	***34.3***	***39.0***
TAL Metals - mg/kg																								
Aluminum	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6370	NA	NA	4380	NA	NA	NA	NA	NA
Arsenic	**16**	NA	6	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	NA	NA	6.1	NA	NA	NA	NA	NA
Barium	**400**	NA	38.9	35.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.1	NA	NA	31.7	NA	NA	NA	NA	NA
Cadmium	**9.3**	NA	0.234	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA
Calcium	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	824	NA	NA	44400	NA	NA	NA	NA	NA
Chromium	**400**	NA	7.08	6.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.02	NA	NA	5.04	NA	NA	NA	NA	NA
Cobalt	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.88	NA	NA	4.1	NA	NA	NA	NA	NA
Copper	**270**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.4	NA	NA	15.3	NA	NA	NA	NA	NA
Iron	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12200 B1	NA	NA	9890 B1	NA	NA	NA	NA	NA
Lead	**1000**	NA	26.3	23.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.4	NA	NA	8.5	NA	NA	NA	NA	NA
Magnesium	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1980	NA	NA	4200	NA	NA	NA	NA	NA
Manganese	**10,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198 B1 J	NA	NA	539 B1 J	NA	NA	NA	NA	NA
Nickel	**310**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.6	NA	NA	9.76	NA	NA	NA	NA	NA
Potassium	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	491	NA	NA	635	NA	NA	NA	NA	NA
Vanadium	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.42	NA	NA	6.94	NA	NA	NA	NA	NA
Zinc	**10,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.9 J	NA	NA	53.4 J	NA	NA	NA	NA	NA
Mercury	**2.8**	NA	0.363	0.592	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.042	NA	NA	ND	NA	NA	NA	NA	NA

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted-Commercial Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in micograms per kilogram (ug/kg) and converted to milligram per kilogram (mg/kg) for comparison to SCOs.
4. Previously referenced as "Poly Piles" in the laboratory analytical report.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was detected in the associated blank as well as in the sample.
D = All compounds were identified in an analysis at the secondary dilution factor.
NJ = The detection is tentative in identification and estimated in value.
W1 = Sample was prepared and analyzed utilizing a medium level extraction.

Table 3
Subsurface Soil Analytical Results
Scott Rotary Seals Site
301 Franklin Street
Olean, New York

Parameter [1]	Commercial SCOs[2] (mg/kg)	SAMPLE LOCATION																					
		TP-19 (14-16)	TP-20 (16-18)	SB-20 (16-20)	TP-21 (15-17)	SB-21 (20-22)	TP-22 (16-18)	TP-23 (8-10)	SB-23 (15-18)	SB-24 (8-12)	TP-24 (15-17)	SB-24 (20-23)	North Pile	East Pile[4]	South Pile	MW-4 (10-12)	MW-4 (17-19)	MW-5 (21-23)	MW-5 (23-25)	MW-6 (14-16)	MW-6 (18-20)	MW-7 (17-18)	MW-8 (19-21)
PID Results →		523	230	230-408	134-650	316	1082-1103	1767	1607-1934	432-463	537-1166	132-1592	0	0	0	915	1306	765	417	113	317	367	535
Sample Date →		Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Aug-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Jan-11	Jan-11
TCL plus STARS Volatile Organic Compounds (VOCs) - mg/kg [3]																							
Acetone	**500**	ND	0.037 J	ND	ND	ND	ND	0.07	ND	ND	ND	ND	ND	ND	ND	0.079	ND	ND	ND	0.051 J	0.085	0.076 J	0.064 J
2-Butanone (MEK)	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	0.7	ND	ND	ND	1.9	ND	0.11	17	0.11	7.3 D	4.3	ND	ND	ND	0.086	8.7 W1	ND	ND	ND	ND	ND	ND
Methylene chloride	**500**	0.02 J	0.069	ND	ND	ND	0.022 J	0.046 J	ND	ND	ND	ND	0.013	0.0059	0.0072	0.007	ND	0.04 J	0.008	0.026 J	0.043	0.071 U	0.048 B
Toluene	**500**	ND	0.016 J	ND	ND	ND	0.015 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cymene (p-isopropyltoluene)	**--**	ND	ND	ND	ND	ND	0.021 J	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 NJ	ND	ND
n-Butylbenzene	**500**	ND	ND	ND	ND	ND	ND	0.027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**500**	ND	ND	ND	ND	ND	ND	0.024	0.38 NJ	ND	0.39 D	ND	ND	ND	ND	ND	0.4 W1	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**500**	0.023	ND	ND	0.11	ND	0.049	0.013	0.15 NJ	ND	0.43 D	0.2	ND	ND	ND	ND	ND	0.042 J	0.0025 U	ND	0.044 U	0.0077 J	0.03 NJ
Tentatively Identified Compounds (TICs)	**--**	19.1	0.57	56.40	111.1	136.0	14.3	5.07	122.00	78.10	274.00	129.10	ND	0.0152	ND	3.65	75.8	25.4	0.841	8.76	32.95	3.43	13.42
Total VOCs	**--**	***19.84***	***0.69***	***56.40***	***111.21***	***137.90***	***14.40***	***5.38***	***139.00***	***78.21***	***282.12***	***133.60***	***0.01***	***0.0211***	***0.01***	***3.835***	***84.9***	***25.482***	***0.8515***	***8.837***	***33.332***	***3.5847***	***13.562***
TCLSemi-Volatile Organic Compounds (SVOCs) - mg/kg [3]																							
Benzo(a)anthracene	**5.6**	ND	ND	ND	ND	ND	ND	0.029 J	ND	ND	0.17 J	ND	0.28 DJ	0.1 DJ	0.22 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	**5.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 DJ	ND	0.25 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 NJ	ND	0.4	0.15 DJ	0.25 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29 DJ	ND	0.27 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	**56**	ND	ND	ND	0.11 J	ND	ND	0.06 J	ND	ND	0.38	ND	0.32 DJ	0.13 DJ	0.24 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 DJ	0.15 DJ	0.39 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	**500**	ND	ND	ND	0.31	ND	ND	ND	0.34	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	**--**	ND	ND	ND	ND	ND	ND	0.077 J	1 J	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	**5.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 DJ	0.1 DJ	0.15 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**500**	ND	ND	ND	ND	ND	ND	0.042 J	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	**500**	ND	ND	ND	ND	0.78	ND	ND	0.58	ND	2.1	0.7	0.18 DJ	0.14 DJ	0.25 DJ	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	**500**	ND	ND	ND	ND	ND	ND	0.048 J	ND	ND	ND	ND	0.38 DJ	0.14 DJ	0.39 DJ	NA	NA	NA	NA	NA	NA	NA	NA
Tentatively Identified Compounds (TICs)	**--**	53.96	3.58	77.8	60	270	23.5	7.57	154.4	186.8	51.5	157.9	0.78	5.4	0.92 B	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOCs	**--**	***54.0***	***3.6***	***77.8***	***60.4***	***270.8***	***23.5***	***7.8***	***156.3***	***186.8***	***54.3***	***158.6***	***3.7***	***6.3***	***3.7***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***
TAL Metals - mg/kg																							
Aluminum	**--**	NA	3630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	**16**	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	**400**	NA	19.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	**9.3**	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	**--**	NA	40400 D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	**400**	NA	5.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	**--**	NA	7.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	**270**	NA	37.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**--**	NA	10300 B1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	**1000**	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	**--**	NA	2630 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	**10,000**	NA	733 B1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	**310**	NA	13.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	**--**	NA	405	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	**--**	NA	5.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	**10,000**	NA	80.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	**2.8**	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted-Commercial Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in micograms per kilogram (ug/kg) and converted to milligram per kilogram (mg/kg) for comparison to SCOs.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was detected in the associated blank as well as in the sample.
D = All compounds were identified in an analyisis at the secondary dilution factor.
NJ = The detection is tentative in identification and estimated in value.
W1 = Sample was prepared and analyzed utilizing a medium level extraction.

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SCOTT ROTARY SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Parameter [1]	NYSDEC Class GA Groundwater Quality Standards [2]	Sample Locations										
		MW-1		MW-2		MW-3		MW-4	MW-5	MW-6	MW-7	MW-8
		8/19/10	10/28/10	8/19/10	10/28/10	8/19/10	10/28/10	10/28/10	10/28/10	10/28/10	1/17/11	1/17/11
TCL plus STARS Volatile Organic Compounds (VOCs) - ug/L												
Acetone	**50**	ND J	ND	ND J	ND	ND J	ND	ND	3.2 J	ND	6.3 J	ND
2-Butanone (MEK)	**50**	ND J	ND	ND J	ND	ND J	ND	ND	ND	ND	1.7 J	ND
Carbon disulfide	**60**	ND J	ND	ND J	ND	ND J	ND	ND	ND	ND	ND	ND
Cyclohexane	**--**	ND J	ND	ND J	3 D	ND J	ND	3.9 DJ	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND J	ND	ND J	ND	ND J	ND	ND	ND	1.1	1.1	0.98 J
Methylcyclohexane	**--**	ND J	ND	260 J	200 D	ND J	ND	390 D	ND	7 D	71 D	6.2
o-Xylenes	**5**	ND J	ND	ND J	ND	ND J	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND J	ND	ND J	ND	ND J	ND	3.2 DJ	ND	2.2 D	ND	ND
tert-Butylbenzene	**100**	1.7 J	1.4	ND J	ND	ND J	ND	ND	4.3	2.2	2.2	1.9
Tentatively Identified Compounds (TICs)[3]	**--**	110 J	71.2	800 J	461	ND J	ND	645	314	192.3	226	346
Total VOCs		***110 J***	***73***	***1,060 J***	***664***	***ND J***	***ND***	***1,042***	***322***	***205***	***308***	***355***
STARS Semi-Volatile Organic Compounds (SVOCs) - ug/L												
Acenaphthene	**20**	ND J	*NA*	ND J	*NA*	0.61 J	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Di-n-butyl phthalate	**50**	ND J	*NA*	ND J	*NA*	ND J	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Fluorene	**50**	ND J	*NA*	2.7 J	*NA*	1.7 J	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Phenanthrene	**50**	ND J	*NA*	2.3 DJ	*NA*	ND J	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Tentatively Identified Compounds (TICs)[3]	**--**	78 J	*NA*	508 J	*NA*	110 J	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Total SVOCs		***78 J***	***NA***	***510 J***	***NA***	***112 J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
TAL Metals - ug/L												
Aluminum	**--**	***ND J***	***NA***	357 J	***NA***	***ND J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Arsenic	**25**	***ND J***	***NA***	21.4 J	***NA***	***ND J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Barium	**1000**	270 J	***NA***	687 J	***NA***	345 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Calcium	**--**	184000 J	***NA***	185000 J	***NA***	244000 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Iron	**300**	1860 J	***NA***	17500 J	***NA***	1690 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Magnesium	**35000**	23800 J	***NA***	37400 J	***NA***	26800 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Manganese	**300**	1260 J	***NA***	733 J	***NA***	880 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Potassium	**--**	3630 J	***NA***	6170 J	***NA***	3410 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Sodium	**20000**	23.1 J	***NA***	4500 J	***NA***	5700 J	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Organochlorine Pesticides ug/L												
alpha-BHC	***0.01***	***0.016 J***	***NA***	***0.018 J***	***NA***	***0.016 J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
gamma-BHC (lindane)	***0.05***	***ND J***	***NA***	***0.009 J***	***NA***	***0.011 J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
4,4'-DDE	***0.2***	***ND J***	***NA***	***ND J***	***NA***	***0.014 J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
4,4'-DDT	***0.2***	***ND J***	***NA***	***0.017 J***	***NA***	***ND J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Heptachlor	***0.04***	***ND J***	***NA***	***ND J***	***NA***	***0.0094 J***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards.
3. Excludes TICs identified in the laboratory blank.

Definitions:
ND = Parameter not detected above laboratory detection limit.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D= All compounds were identified in an analyisis at the secondary dilution factor.
Sample Result exceeds NYSDEC Groundwater Quality Standards.

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Location	Date	Grade	TOR Elevation [1] (fmsl)	DTP (if present) (fbTOR)	DTW (fbTOR)	Product Thickness (feet)	Groundwater Elevation (fmsl)	Corrected Groundwater Elevation [2] (fmsl)
MW-1	6/29/2009	1431.89	1435.04	NP	27.58	NP	1407.46	1407.46
MW-1	8/19/2010	1431.89	1435.04	NP	28.40	NP	1406.64	1406.64
MW-1	10/26/2010	1431.89	1435.04	NP	29.01	NP	1406.03	1406.03
MW-1	3/10/2011	1431.89	1435.04	NP	23.71	NP	1411.33	1411.33
MW-2	6/29/2009	1425.84	1428.19	NP	18.61	NP	1409.58	1409.58
MW-2	8/19/2010	1425.84	1428.19	NP	19.51	NP	1408.68	1408.68
MW-2	10/26/2010	1425.84	1428.19	20.34	20.35	0.01	1407.84	1407.85
MW-2	3/10/2011	1425.84	1428.19	NP	15.28	NP	1412.91	1412.91
MW-3	6/29/2009	1426.24	1428.26	NP	18.79	NP	1409.47	1409.47
MW-3	8/19/2010	1426.24	1428.26	NP	19.52	NP	1408.74	1408.74
MW-3	10/26/2010	1426.24	1428.26	NP	20.38	NP	1407.88	1407.88
MW-3	3/10/2011	1426.24	1428.26	NP	15.31	NP	1412.95	1412.95
MW-4	10/26/2010	1425.85	1427.61	19.71	19.72	0.01	1407.89	1407.90
MW-4	3/10/2011	1425.85	1427.61	NP	14.69	NP	1412.92	1412.92
MW-5	10/26/2010	1430.78	1433.26	NP	27.17	NP	1406.09	1406.09
MW-5	3/10/2011	1430.78	1433.26	NP	21.91	NP	1411.35	1411.35
MW-6	10/26/2010	1430.78	1434.02	27.80	28.68	0.88	1405.34	1406.04
MW-6	3/10/2011	1430.78	1434.02	NP	22.42	NP	1411.60	1411.60
MW-7	1/17/2011	1430.12	1432.97	NP	24.33	NP	1408.64	1408.64
MW-7	3/10/2011	1430.12	1432.97	NP	21.37	NP	1411.60	1411.60
MW-8	1/17/2011	1431.08	1434.01	NP	23.01	NP	1411.00	1411.00
MW-8	3/10/2011	1431.08	1434.01	NP	20.59	NP	1413.42	1413.42

Notes:

1. Wells MW-1 through MW-6 were surveyed on 10-26-10 and wells MW-7 and MW-8 were surveyed on 1-14-11 with known elevation (fire hydrant) of 1428.94 feet above mean sea level.
2. Groundwater Elevation corrected for product level using assumed specific gravity of 0.80.
3. All elevations are feet above mean sea level (fmsl).

TOR = Top of riser
DTP = Depth to product
DTW = Depth to water
fb = feet below
= Most recent sampling event, elevations used to generate Figure 6.

TABLE 6
SUMMARY OF IRM SOIL PILE ANALYTICAL TESTING
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Parameter [1]	Commercial SCOs[2] (mg/Kg)	SAMPLE LOCATION				
		North Pile	South Pile E	South Pile W	East Pile	West Pile
TCL plus STARS Volatile Organic Compounds (VOCs) - mg/Kg [3]						
Methylene chloride	**500**	0.0056	0.0046 J	0.0045 J	0.0042 J	0.0052 J
1,2,4-Trichlorobenzene	**190**	0.0017 BJ	0.0019 BJ	0.0018 BJ	0.002 BJ	0.0022 BJ
1,3,5-Trimethylbenzene	**190**	0.00054 BJ	0.00061 BJ	0.00058 BJ	0.0006 BJ	0.00062 BJ
xylenes, Total	**500**	0.0011 BJ	ND	ND	ND	0.0011 BJ
Total VOCs	**--**	***0.01***	***0.01***	***0.01***	***0.01***	***0.01***
TCLSemi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]						
2-Methylnaphthalene	**--**	0.088 J	0.088 J	0.042 J	0.054 J	0.15 J
Acenaphthylene	**500**	ND	ND	ND	ND	0.12 J
Anthracene	**500**	0.03 J	0.045 J	0.031 J	0.078 J	0.18 J
Benzo(a)anthracene	**5.6**	0.15 J	0.24 J	0.21 J	0.2 J	0.68 J
Benzo(b)fluoranthene	**5.6**	0.1 J	0.23 J	0.24 J	0.23 J	0.55 J
Benzo(k)fluoranthene	**56**	0.051 J	0.15 J	0.12 J	0.11 J	0.27 J
Benzo(g,h,i)perylene	**500**	0.26 J	0.2 J	0.2 J	0.17 J	0.39 J
Benzo(a)pyrene	**1**	0.13 J	0.22 J	0.21 J	0.19 J	0.6 J
Chrysene	**56**	0.17 J	0.28 J	0.26 J	0.27 J	0.72 J
Dibenzofuran	**--**	0.029 J	ND	ND	ND	ND
Fluoranthene	**500**	0.18 J	0.32 J	0.36 J	0.35 J	1.3
Indeno(1,2,3-cd)pyrene	**5.6**	0.094 J	0.12 J	0.14 J	0.12 J	0.27 J
Naphthalene	**500**	0.047 J	ND	ND	ND	0.087 J
Phenanthrene	**500**	0.15 J	0.19 J	0.18 J	0.23 J	0.87 J
Pyrene	**500**	0.24 J	0.42 J	0.38 J	0.32 J	0.14 J
Total SVOCs	**--**	***1.6***	***2.4***	***2.3***	***2.2***	***5.9***
TAL Metals - mg/Kg						
Aluminum	**--**	8950	7670	6950	7160	9890
Arsenic	**16**	20.1	22.3	20.1	52.9	12.9
Barium	**400**	94.6	96.3	83.7	137	95.5
Beryllium	**590**	0.8	0.6	0.45	0.56	0.57
Cadmium	**9.3**	0.39	0.66	0.41	0.67	0.53
Calcium	**--**	3160	7010	9270	12300	19600
Chromium	**400**	10.3 B	13.4 B	12.1 B	10.6 B	11.9 B
Cobalt	**--**	8.2	5.8	5.7	5	6.3
Copper	**270**	207	441	80.6	198	268
Iron	**--**	17100	19700	17500	16600	18100
Lead	**1000**	1770	195	230	143	90.7
Magnesium	**--**	2290	2840	3040	2340	3840
Manganese	**10,000**	521	376	405	346	429
Nickel	**310**	17.5	18.7	16.8	13.7	16.3
Potassium	**--**	589	797	841	700	641
Vanadium	**--**	19.2	24.9	31.8	16.2	18.7
Zinc	**10,000**	103	215	175	157	151
Mercury	**2.8**	1.5	2.9	3.6	4.4	2.7
PCB's mg/kg [3]						
1260	**1**	ND	ND	ND	0.1	ND
Organochlorine Pesticides mg/kg [3]						
gamma-BHC (Lindane)	**9.2**	ND	ND	ND	ND	ND
Endosulfan II	**200**	ND	ND	ND	ND	ND
Heptachlor	**15**	ND	ND	ND	ND	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted-Commercial Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in ug/Kg and converted to mg/Kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was detected in the associated blank as well as in the sample.

TABLE 7
SUMMARY OF IRM PIPE REMOVAL QUANTITIES
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

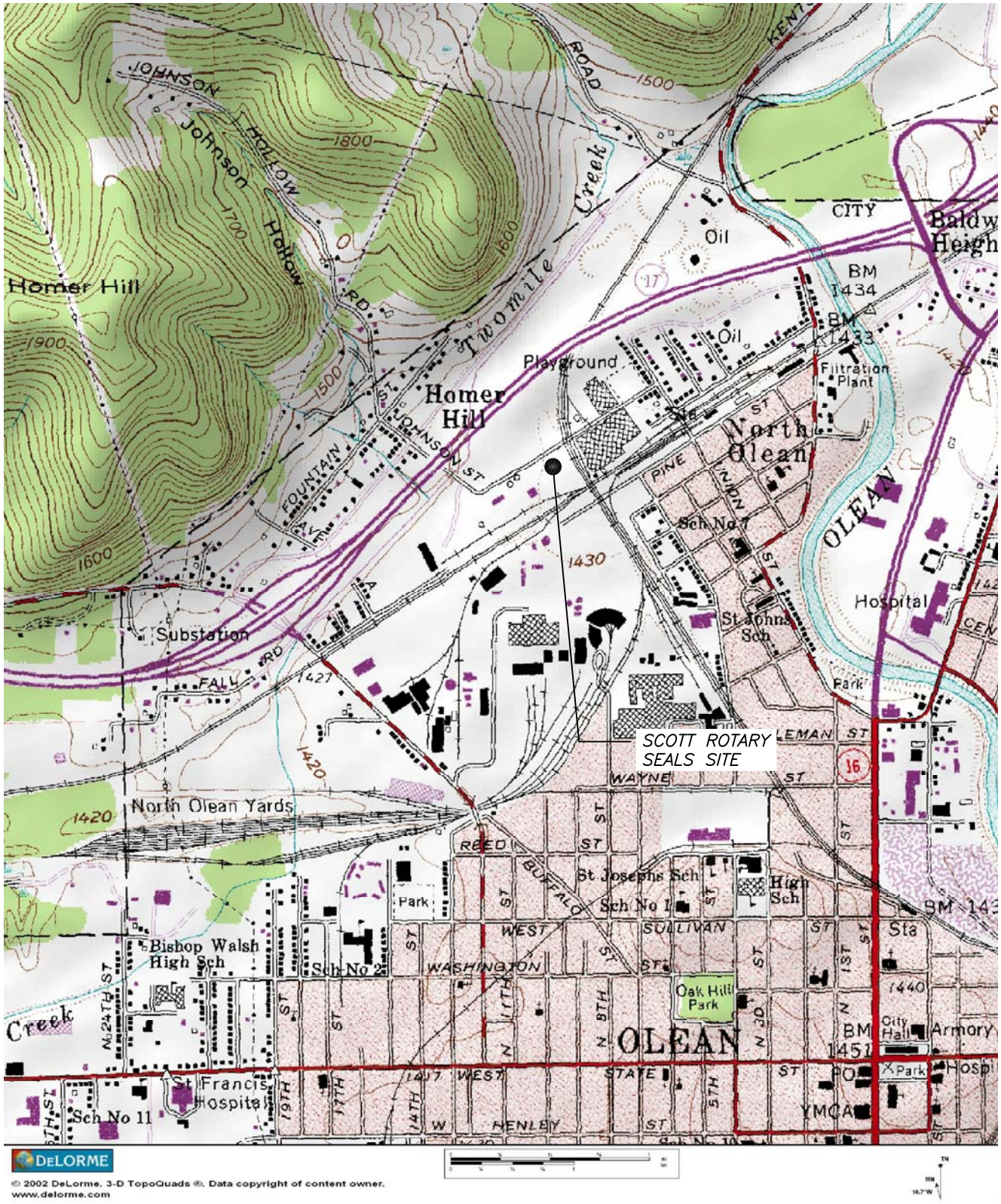
Total Pipes		
Pipe Size	**Total Removed Length (ft)**	**Contents**
2-inch	39	Oil/Scale/Water
3-inch	1250	Oil/Scale/Water
4-inch	1244	Oil/Scale/Water
6-inch	1859	Oil/Scale/Water
8-inch	860	Oil/Scale/Water
10-inch	354	Oil/Scale/Water
12-inch	155	Oil/Scale/Water
Total Footage	5761	

TABLE 8
SUMMARY OF IRM MATERIALS/WASTES DISPOSITION
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK

Material Removed/Recycled			
Material Removed/Recycled	**Identification**	**Amount**	**Disposal Facility**
Piping	Scrap Piping	75.4 Tons	Gateway Materials Cheektowaga, NY
Oil Drums	D-1,2,4,8,16,24,25,26	8 Drums	CWM Chemical Services, LLC Model City, NY
Pipe Scale Drums	D-3,5,7,9,10,11,12,13,14,15,17,18,19,20,21,22,23	17 Drums	CWM Chemical Services, LLC Model City, NY
Fill/Soil	Metals-Impacted Soil/Fill Piles	1,982 tons	Waste Management- Chaffee Landfill Chaffee, NY
Oil/Water	Oil/Water Mixture from Pipes	1489 gallons/6.77 Tons	E.I.C.S. Niagara Falls, NY

FIGURES

FIGURE 1



TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0189-001-105

DATE: JUNE 2011

DRAFTED BY: AJZ

SITE VICINITY AND LOCATION MAP

PRE-DESIGN INVESTIGATION REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

PREPARED FOR

DST PROPERTIES NY, LLC

Not to Scale

Property Boundary (Approximate)

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0189-001-105

DATE: JUNE 2011

DRAFTED BY: NTM

SITE PLAN (AERIAL)

PRE-DESIGN INVESTIGATION REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

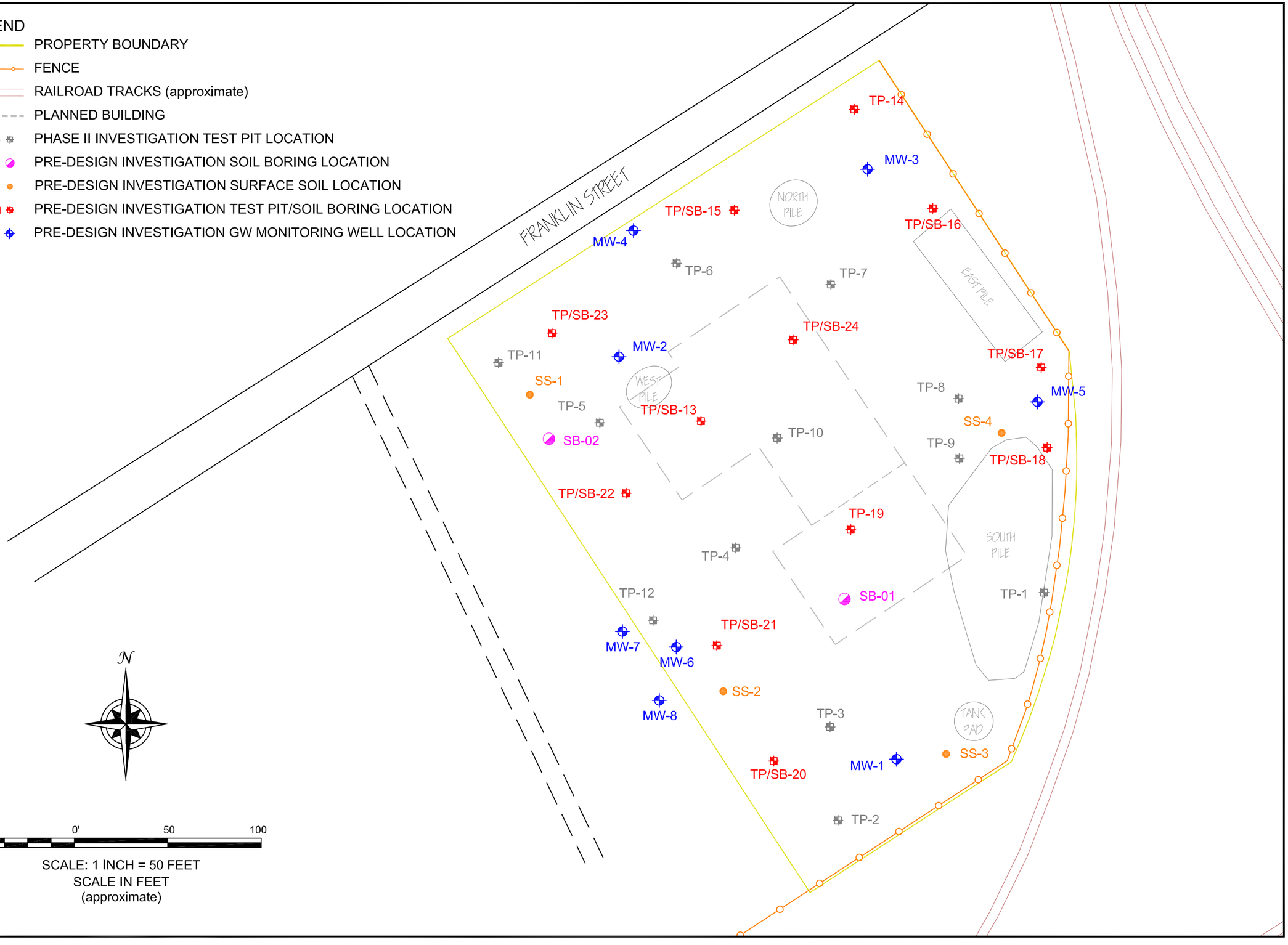
PREPARED FOR

DST PROPERTIES NY, LLC

FIGURE 2

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- TP-6 PHASE II INVESTIGATION TEST PIT LOCATION
- SB-02 PRE-DESIGN INVESTIGATION SOIL BORING LOCATION
- SS-2 PRE-DESIGN INVESTIGATION SURFACE SOIL LOCATION
- TP/SB-21 PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION
- MW-3 PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION



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SUITE 300
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TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0189-001-105

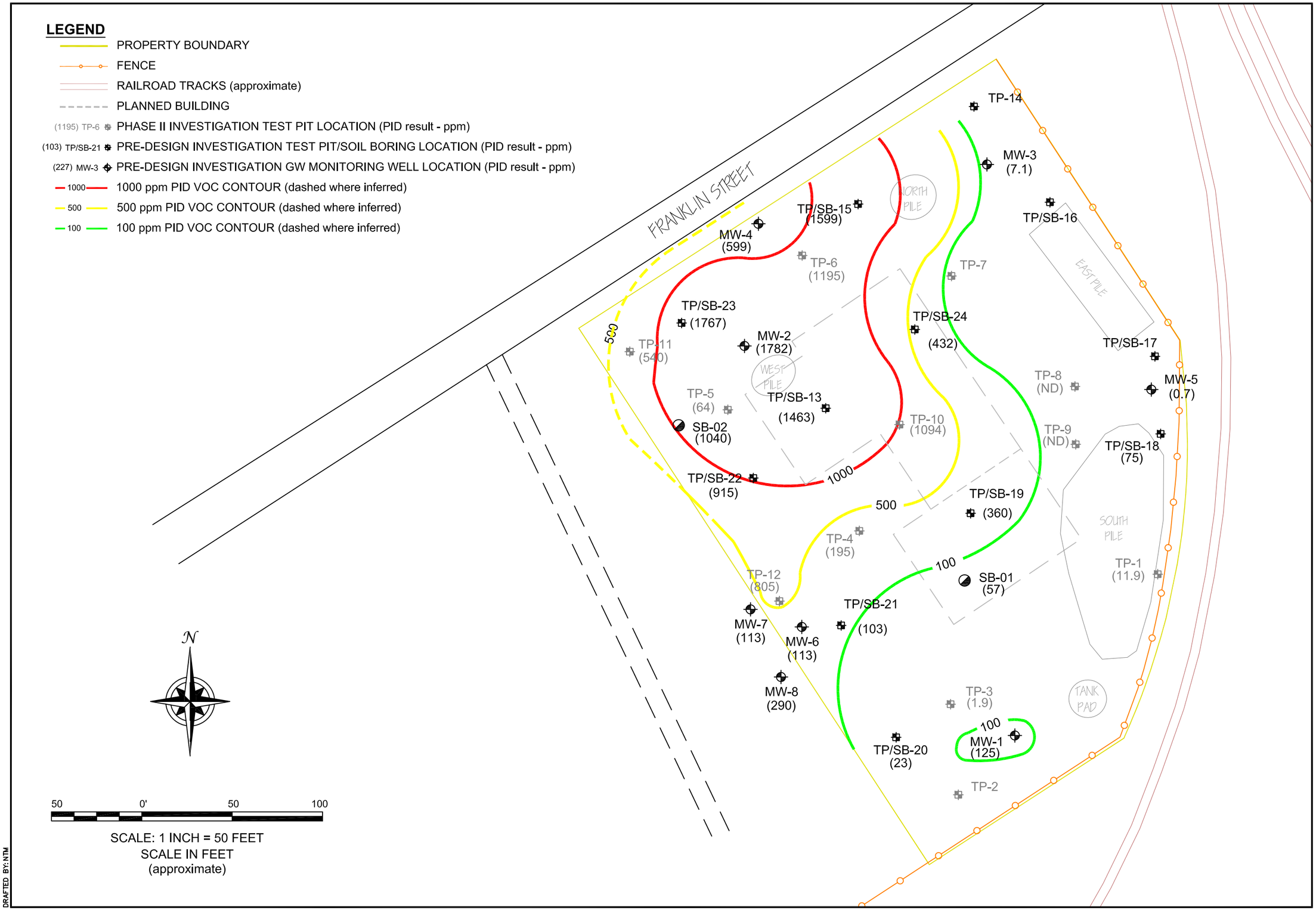
INVESTIGATION SAMPLING LOCATIONS

PRE-DESIGN INVESTIGATION REPORT
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 3

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- (1195) TP-6 — PHASE II INVESTIGATION TEST PIT LOCATION (PID result - ppm)
- (103) TP/SB-21 — PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION (PID result - ppm)
- (227) MW-3 — PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION (PID result - ppm)
- 1000 — 1000 ppm PID VOC CONTOUR (dashed where inferred)
- 500 — 500 ppm PID VOC CONTOUR (dashed where inferred)
- 100 — 100 ppm PID VOC CONTOUR (dashed where inferred)



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2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0189-001-105

QUALITATIVE PID SOIL SCREENING (ELEVATION 1417-1421 FMSL)

PRE-DESIGN INVESTIGATION REPORT

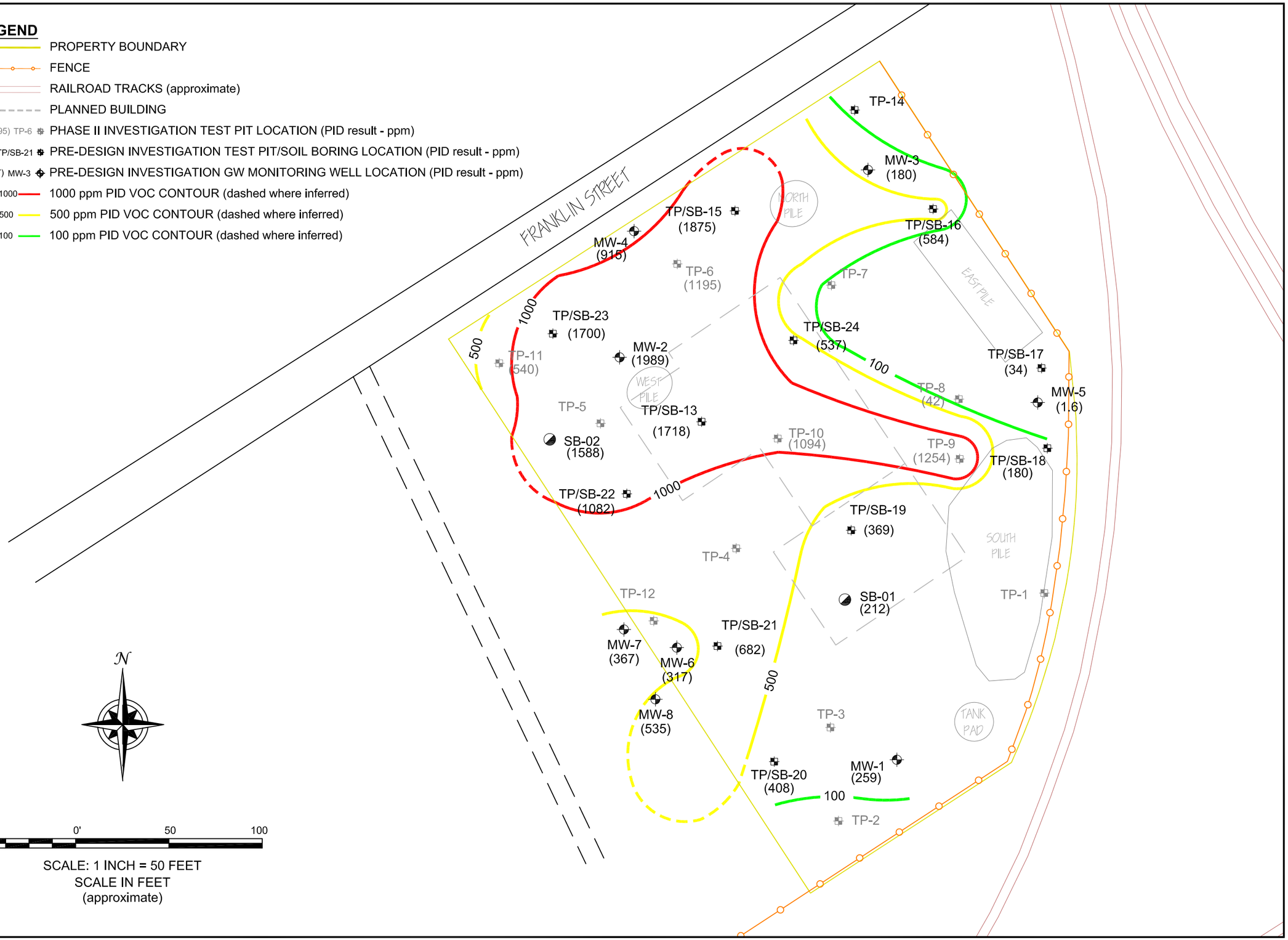
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK

PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 4a

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- (1195) TP-6 — PHASE II INVESTIGATION TEST PIT LOCATION (PID result - ppm)
- (103) TP/SB-21 — PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION (PID result - ppm)
- (227) MW-3 — PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION (PID result - ppm)
- 1000 — 1000 ppm PID VOC CONTOUR (dashed where inferred)
- 500 — 500 ppm PID VOC CONTOUR (dashed where inferred)
- 100 — 100 ppm PID VOC CONTOUR (dashed where inferred)



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JUNE 2011
DRAFTED BY: NTM

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SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0189-001-105

QUALITATIVE PID SOIL SCREENING (ELEVATION 1412-1416 FMSL)

PRE-DESIGN INVESTIGATION REPORT

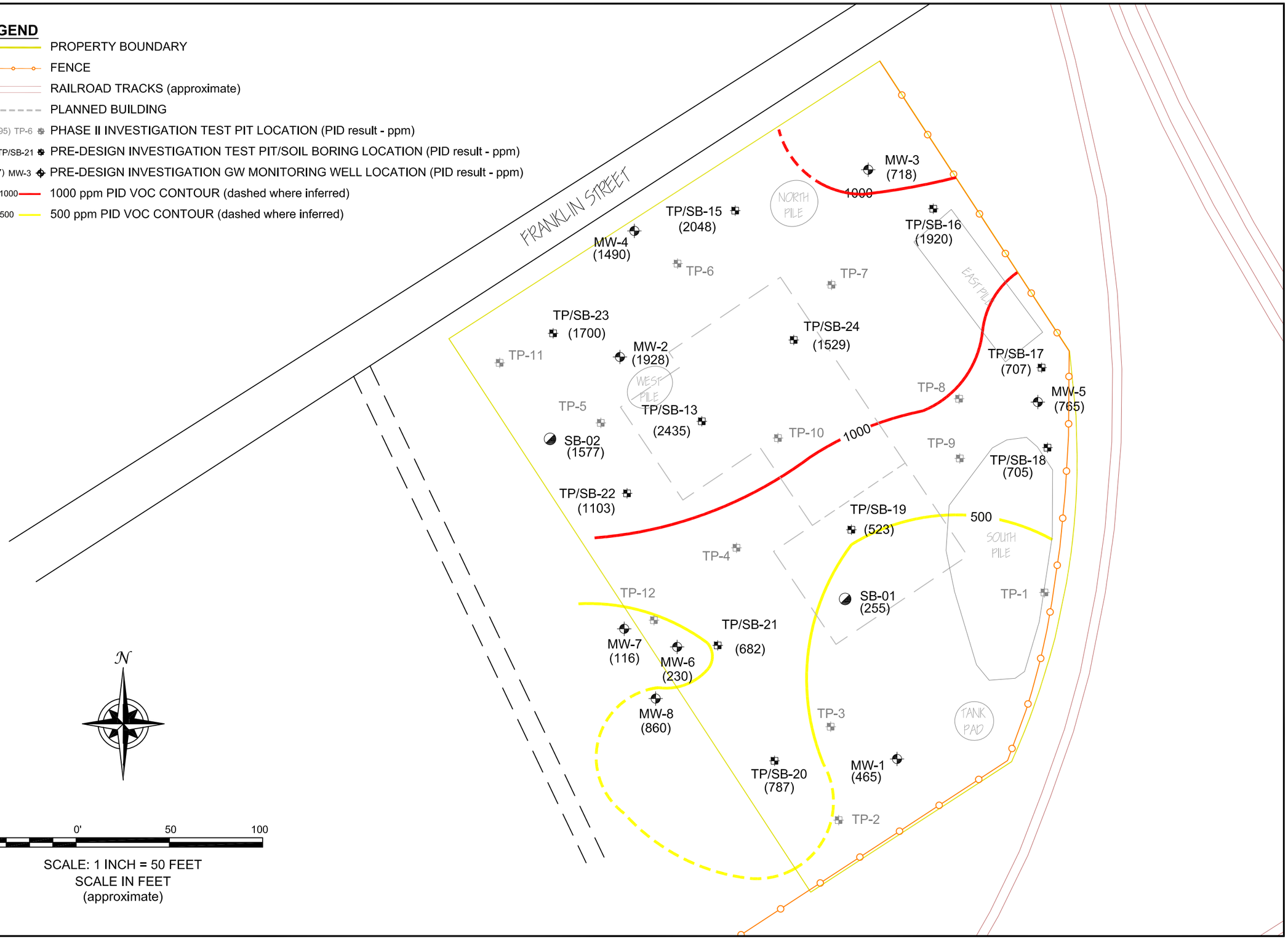
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK

PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 4b

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- (1195) TP-6 — PHASE II INVESTIGATION TEST PIT LOCATION (PID result - ppm)
- (103) TP/SB-21 — PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION (PID result - ppm)
- (227) MW-3 — PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION (PID result - ppm)
- 1000 — 1000 ppm PID VOC CONTOUR (dashed where inferred)
- 500 — 500 ppm PID VOC CONTOUR (dashed where inferred)



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TurnKey Environmental Restoration, LLC

JOB NO.: 0189-001-105

QUALITATIVE PID SOIL SCREENING (ELEVATION 1407-1411 FMSL)

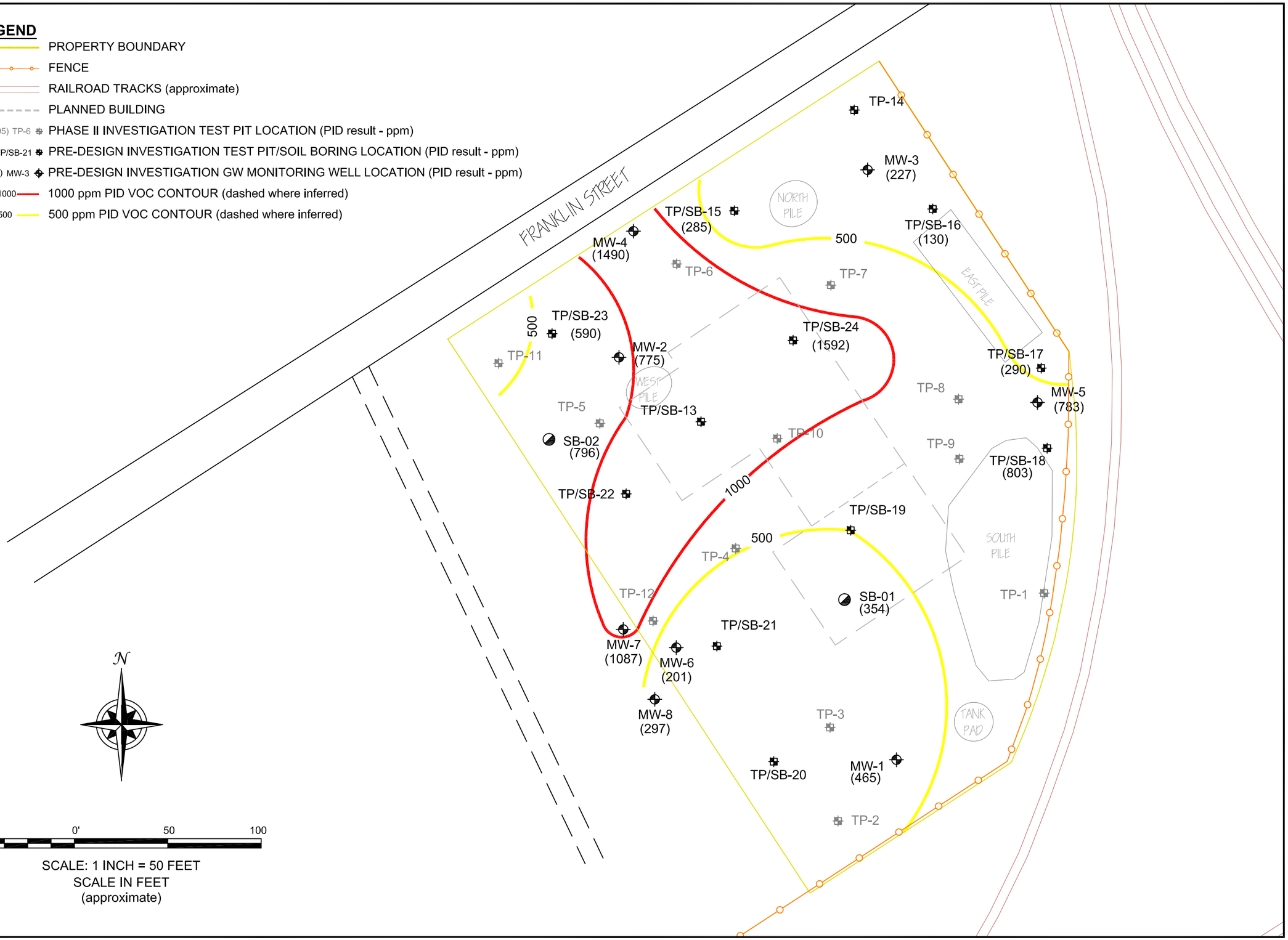
PRE-DESIGN INVESTIGATION REPORT

SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 4c

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- (1195) TP-6 — PHASE II INVESTIGATION TEST PIT LOCATION (PID result - ppm)
- (103) TP/SB-21 — PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION (PID result - ppm)
- (227) MW-3 — PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION (PID result - ppm)
- 1000 — 1000 ppm PID VOC CONTOUR (dashed where inferred)
- 500 — 500 ppm PID VOC CONTOUR (dashed where inferred)



DATE: JUNE 2011
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SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

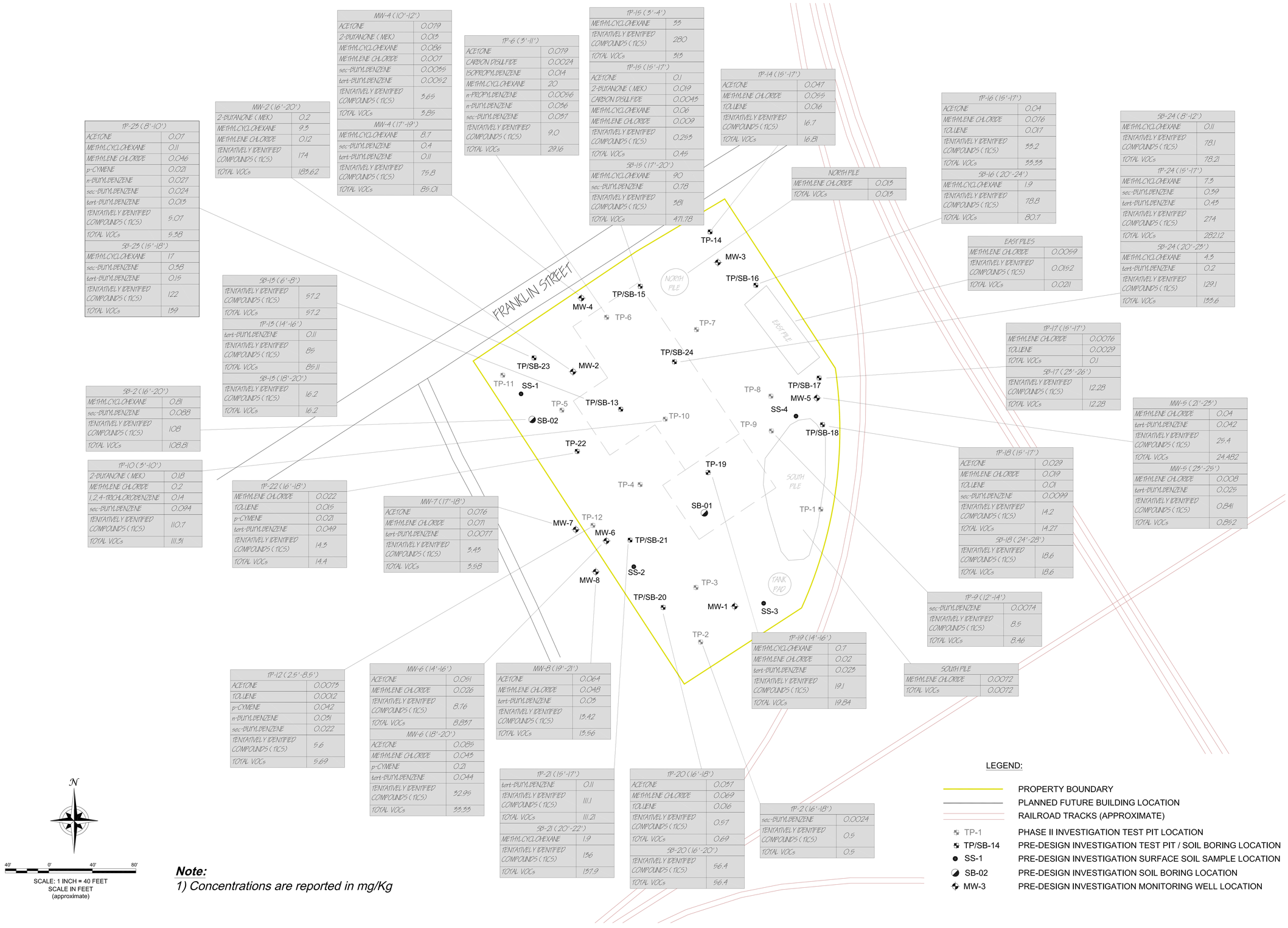
JOB NO.: 0189-001-105

QUALITATIVE PID SOIL SCREENING (ELEVATION 1402-1406 FMSL)

PRE-DESIGN INVESTIGATION REPORT

SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 4d



TP-23 (8'-10')	
ACETONE	0.07
METHYLCYCLOHEXANE	0.11
METHYLENE CHLORIDE	0.046
p-CYMENE	0.021
n-BUTYLBENZENE	0.027
sec-BUTYLBENZENE	0.024
tert-BUTYLBENZENE	0.015
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	5.07
TOTAL VOCs	5.38
SB-23 (15'-18')	
METHYLCYCLOHEXANE	17
sec-BUTYLBENZENE	0.38
tert-BUTYLBENZENE	0.15
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	122
TOTAL VOCs	139

MW-2 (16'-20')	
2-BUTANONE (MEK)	0.2
METHYLCYCLOHEXANE	9.3
METHYLENE CHLORIDE	0.12
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	174
TOTAL VOCs	183.62

MW-4 (10'-12')	
ACETONE	0.079
2-BUTANONE (MEK)	0.013
METHYLCYCLOHEXANE	0.086
METHYLENE CHLORIDE	0.007
sec-BUTYLBENZENE	0.0035
tert-BUTYLBENZENE	0.0052
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	3.65
TOTAL VOCs	3.85
MW-4 (17'-19')	
METHYLCYCLOHEXANE	8.7
sec-BUTYLBENZENE	0.4
tert-BUTYLBENZENE	0.11
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	76.8
TOTAL VOCs	85.01

TP-6 (3'-11')	
ACETONE	0.079
CARBON DISULFIDE	0.0024
ISOPROPYLBENZENE	0.014
METHYLCYCLOHEXANE	20
n-PROPYLBENZENE	0.0056
n-BUTYLBENZENE	0.036
sec-BUTYLBENZENE	0.057
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	9.0
TOTAL VOCs	29.16

TP-15 (3'-4')	
METHYLCYCLOHEXANE	33
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	280
TOTAL VOCs	313
TP-15 (15'-17')	
ACETONE	0.1
2-BUTANONE (MEK)	0.019
CARBON DISULFIDE	0.0043
METHYLCYCLOHEXANE	0.06
METHYLENE CHLORIDE	0.009
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	0.253
TOTAL VOCs	0.45
SB-15 (17'-20')	
METHYLCYCLOHEXANE	90
sec-BUTYLBENZENE	0.78
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	381
TOTAL VOCs	471.78

TP-14 (15'-17')	
ACETONE	0.047
METHYLENE CHLORIDE	0.055
TOLUENE	0.016
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	16.7
TOTAL VOCs	16.81

NORTH PILE	
METHYLENE CHLORIDE	0.013
TOTAL VOCs	0.013

TP-16 (15'-17')	
ACETONE	0.04
METHYLENE CHLORIDE	0.076
TOLUENE	0.017
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	33.2
TOTAL VOCs	33.33
SB-16 (20'-24')	
METHYLCYCLOHEXANE	1.9
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	78.8
TOTAL VOCs	80.7

EAST PILES	
METHYLENE CHLORIDE	0.0059
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	0.0152
TOTAL VOCs	0.0211

SB-24 (8'-12')	
METHYLCYCLOHEXANE	0.11
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	78.1
TOTAL VOCs	78.21
TP-24 (15'-17')	
METHYLCYCLOHEXANE	7.3
sec-BUTYLBENZENE	0.39
tert-BUTYLBENZENE	0.43
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	274
TOTAL VOCs	282.12
SB-24 (20'-23')	
METHYLCYCLOHEXANE	4.3
tert-BUTYLBENZENE	0.2
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	129.1
TOTAL VOCs	133.6

SB-13 (6'-8')	
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	57.2
TOTAL VOCs	57.2
TP-13 (14'-16')	
tert-BUTYLBENZENE	0.11
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	85
TOTAL VOCs	85.11
SB-13 (18'-20')	
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	16.2
TOTAL VOCs	16.2

TP-17 (15'-17')	
METHYLENE CHLORIDE	0.0076
TOLUENE	0.0029
TOTAL VOCs	0.1
SB-17 (23'-26')	
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	12.28
TOTAL VOCs	12.28

SB-2 (16'-20')	
METHYLCYCLOHEXANE	0.81
sec-BUTYLBENZENE	0.088
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	108
TOTAL VOCs	108.81

MW-5 (21'-23')	
METHYLENE CHLORIDE	0.04
tert-BUTYLBENZENE	0.042
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	25.4
TOTAL VOCs	24.482
MW-5 (23'-25')	
METHYLENE CHLORIDE	0.008
tert-BUTYLBENZENE	0.025
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	0.841
TOTAL VOCs	0.892

TP-18 (15'-17')	
ACETONE	0.029
METHYLENE CHLORIDE	0.019
TOLUENE	0.01
sec-BUTYLBENZENE	0.0099
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	14.2
TOTAL VOCs	14.27
SB-18 (24'-28')	
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	18.6
TOTAL VOCs	18.6

TP-10 (3'-10')	
2-BUTANONE (MEK)	0.18
METHYLENE CHLORIDE	0.2
1,2,4-TRICHLOROBENZENE	0.14
sec-BUTYLBENZENE	0.094
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	110.7
TOTAL VOCs	111.31

TP-22 (16'-18')	
METHYLENE CHLORIDE	0.022
TOLUENE	0.015
p-CYMENE	0.021
tert-BUTYLBENZENE	0.049
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	14.3
TOTAL VOCs	14.4

MW-7 (17'-18')	
ACETONE	0.076
METHYLENE CHLORIDE	0.071
tert-BUTYLBENZENE	0.0077
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	3.43
TOTAL VOCs	3.58

TP-9 (12'-14')	
sec-BUTYLBENZENE	0.0074
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	8.5
TOTAL VOCs	8.46

TP-19 (14'-16')	
METHYLCYCLOHEXANE	0.7
METHYLENE CHLORIDE	0.02
tert-BUTYLBENZENE	0.023
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	19.1
TOTAL VOCs	19.84

SOUTH PILE	
METHYLENE CHLORIDE	0.0072
TOTAL VOCs	0.0072

TP-12 (2.5'-8.5')	
ACETONE	0.0075
TOLUENE	0.0012
p-CYMENE	0.042
n-BUTYLBENZENE	0.051
sec-BUTYLBENZENE	0.022
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	5.6
TOTAL VOCs	5.69

MW-6 (14'-16')	
ACETONE	0.051
METHYLENE CHLORIDE	0.026
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	8.76
TOTAL VOCs	8.837
MW-6 (18'-20')	
ACETONE	0.085
METHYLENE CHLORIDE	0.043
p-CYMENE	0.21
tert-BUTYLBENZENE	0.044
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	32.95
TOTAL VOCs	33.33

MW-8 (19'-21')	
ACETONE	0.064
METHYLENE CHLORIDE	0.048
tert-BUTYLBENZENE	0.03
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	13.42
TOTAL VOCs	13.56

TP-21 (15'-17')	
tert-BUTYLBENZENE	0.11
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	111
TOTAL VOCs	111.21
SB-21 (20'-22')	
METHYLCYCLOHEXANE	1.9
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	136
TOTAL VOCs	137.9

TP-20 (16'-18')	
ACETONE	0.057
METHYLENE CHLORIDE	0.069
TOLUENE	0.016
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	0.57
TOTAL VOCs	0.69
SB-20 (16'-20')	
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	56.4
TOTAL VOCs	56.4

TP-2 (16'-18')	
sec-BUTYLBENZENE	0.0024
TENTATIVELY IDENTIFIED COMPOUNDS (TICS)	0.5
TOTAL VOCs	0.5

Note:

1) Concentrations are reported in mg/Kg

LEGEND:

- PROPERTY BOUNDARY
- PLANNED FUTURE BUILDING LOCATION
- RAILROAD TRACKS (APPROXIMATE)
- TP-1 — PHASE II INVESTIGATION TEST PIT LOCATION
- TP/SB-14 — PRE-DESIGN INVESTIGATION TEST PIT / SOIL BORING LOCATION
- SS-1 — PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLE LOCATION
- SB-02 — PRE-DESIGN INVESTIGATION SOIL BORING LOCATION
- MW-3 — PRE-DESIGN INVESTIGATION MONITORING WELL LOCATION

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0189-001-105

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: NTM
DATE: JUNE 2011
CHECKED BY: MAL
APPROVED BY: MAL

VOCs IN SOIL CONCENTRATIONS

PRE-DESIGN INVESTIGATION REPORT
SCOTT ROTARY SEALS SITE
301 FRANKLIN STREET
OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 5

LEGEND:

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (APPROXIMATE)
- MW-2 (664) — MONITORING WELL (Total VOCs Concentration)
- 200 — 200 ug/L TOTAL VOC CONTOUR (dashed where inferred)
- 400 — 400 ug/L TOTAL VOC CONTOUR (dashed where inferred)
- 600 — 600 ug/L TOTAL VOC CONTOUR (dashed where inferred)
- 800 — 800 ug/L TOTAL VOC CONTOUR (dashed where inferred)
- 1000 — 1000 ug/L TOTAL VOC CONTOUR (dashed where inferred)
- 1408 — GROUNDWATER ELEVATION CONTOUR (dashed where inferred)

MW-4	
CYCLOHEXANE	3.9
METHYLCYCLOHEXANE	390
sec-BUTYLBENZENE	3.2
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	645
TOTAL VOCs	1,042
LNAPL (thickness in feet)	0.01

MW-5	
ACETONE	3.2
tert-BUTYLBENZENE	4.3
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	314
TOTAL VOCs	322

MW-2	
CYCLOHEXANE	3
METHYLCYCLOHEXANE	200
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	461
TOTAL VOCs	664
LNAPL (thickness in feet)	0.01

MW-7	
ACETONE	6.3
BROMODICHLOROMETHANE	0.87
2-BUTANONE (MEK)	1.7
1,2-DICHLOROBENZENE	1.1
METHYLCYCLOHEXANE	71
tert-BUTYLBENZENE	2.2
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	226
TOTAL VOCs	309

MW-1	
tert-BUTYLBENZENE	1.4
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	71.2
TOTAL VOCs	73

MW-6	
1,2-DICHLOROBENZENE	1.1
METHYLCYCLOHEXANE	7
sec-BUTYLBENZENE	2.2
tert-BUTYLBENZENE	2.2
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	192.3
TOTAL VOCs	205
LNAPL (thickness in feet)	0.88

MW-8	
CYCLOHEXANE	4.5
1,2-DICHLOROBENZENE	0.98
METHYLCYCLOHEXANE	6.2
tert-BUTYLBENZENE	1.9
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	346
TOTAL VOCs	360

FRANKLIN STREET

MW-4 (1042)
MW-3 (ND)
MW-2 (664)
MW-5 (322)
MW-7 (309)
MW-6 (205)
MW-8 (360)
MW-1 (73)

1000
800
600
400
200
1413
1412
1413

60 0' 60 120

SCALE: 1 INCH = 60 FEET
SCALE IN FEET
(approximate)

N

Notes:

1.) Concentrations are reported in ug/L.
2.) Analytical data for MW-1 through MW-6 per October 28, 2010 sampling event.
3.) Analytical data for MW-7 and MW-8 per January 17, 2011 sampling event.
4.) Groundwater elevations recorded March 10, 2011.

DATE: JUNE 2011
DRAFTED BY: JCT/NTM

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0189-001-105

GROUNDWATER ELEVATION and VOCs CONCENTRATION CONTOURS

PRE-DESIGN INVESTIGATION REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

PREPARED FOR

DST PROPERTIES NY, LLC

FIGURE 6

LEGEND

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (approximate)
- PLANNED BUILDING
- IRM EXPLORATORY TEST TRENCH LOCATIONS
- IRM SUBSURFACE PIPING LOCATIONS (REMOVED)
- TP-6 PHASE II INVESTIGATION TEST PIT LOCATION
- SB-02 PRE-DESIGN INVESTIGATION SOIL BORING LOCATION
- SS-2 PRE-DESIGN INVESTIGATION SURFACE SOIL LOCATION
- TP/SB-21 PRE-DESIGN INVESTIGATION TEST PIT/SOIL BORING LOCATION
- MW-3 PRE-DESIGN INVESTIGATION GW MONITORING WELL LOCATION

FRANKLIN STREET

TP-14

LINES ENDED AT PROPERTY LINE

TP/SB-15

NORTH PILE

TP/SB-16

TP-6

TP-7

EAST PILE

TP/SB-23

TP/SB-24

TP-11

SS-1

TP/SB-17

WEST PILE III

TP-8

TP-5

TP/SB-13

SS-4

PIPE GROUTED AT PROPERTY LINE (Oily-scale contents)

TP-10

SB-02

TP-9

TP/SB-18

PIPE CAPPED WITH FITTINGS AT PROPERTY LINE (Oily-scale contents)

TP/SB-22

TP-19

SOUTH PILE

TP-4

PIPE GROUTED AT PROPERTY LINE (oil-water mixture contents)

TP-12

SB-01

TP-1

PREVIOUSLY CUT ENDS OF PIPES WERE STICKING THROUGH BERM ON NEIGHBORING PROPERTY AND PULLED OUT

TP/SB-21

SS-2

TP-3

TANK PAD

SS-3

TP/SB-20

TP-2

N

50 0' 50 100

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JUNE 2011
DRAFTED BY: NTM

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0189-001-105

IRM PIPING AND SOIL REMOVAL

PRE-DESIGN INVESTIGATION REPORT
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 7

APPENDIX A

TEST PIT, SOIL BORING AND MONITORING WELL LOGS

Project No: 0189-001-100

Borehole Number: MW-1

Project: Phase II Investigation

A.K.A.:

Client: Scott Rotary Seals

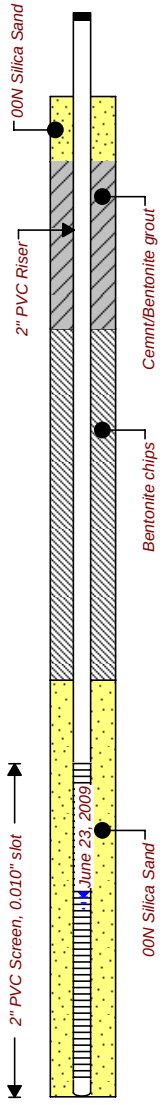
Logged By: TAB

Site Location: 350 Franklin St

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 250 / 500)	Lab Sample	Well Completion Details or Remarks
-3.0									
	0.0	Ground Surface							
	0.0	***Fill with Fine Sand and Gravel*** Dark brown, moist, fine sand with some coarse sand and fine gravel, little silt, with trace coarse gravel, brick fragments and wood chips medium dense, non-plastic, loose when disturbed.	1	NA	.8		96.0		
2.0									
	-5.0 / 5.0	As above, no fill.	2	NA	0.9		5.7		
7.0									
	-8.0 / 8.0	As above with grey, strong petroleum like odor.	3	NA	2.0		135		
12.0			4	NA	2.0		125		
17.0			5	NA	2.5		78.9		
22.0			6	NA	2.5		259		
	-24.0 / 24.0	As above, wet.	7	NA	1.5		465		
27.0			8	NA	1.5		230		
	-31.0 / 31.0	End of Borehole							
32.0									



Drilled By: Trec Environmental, Inc.
Drill Rig Type: 6620DT
Drill Method: Direct push/ 4 1/4 -inch augers
Comments:
Drill Date(s): 6/23/09

Hole Size: 9-Inch
Stick-up: 2.5-foot
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-100

Borehole Number: MW-2

Project: Phase II Investigation

A.K.A.:

Client: Scott Rotary Seals

Logged By: TAB

Site Location: 350 Franklin St

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 1000 / 2000)	Lab Sample	Well Completion Details or Remarks
-3.0									
	0.0	Ground Surface							
	0.0	***Fill*** Dark brown and Black, moist, fill, non-plastic fines with some fine sand, few coarse gravel, orange and yellow brick.	1	NA	2.3		4.3		
2.0									
	-5.0 5.0	***Fine Sand and Gravel*** Black, moist, fine sand with fine gravel, few coarse gravel, little silt, medium dense, non-plastic, loose when disturbed, strong petroleum like odor.	2	NA	1.5		20.7, 1336		
7.0			3	NA	1.5		1782		
12.0			4	NA	1.9		1989, 1305		
17.0			5	NA	1.5		1726, 1928	TCL + STARS 8260 VOC & 8270 SVOC	
	-20.0 20.0	As above, wet.	6	NA	2.0		508, 775		
22.0	-22.0 22.0	As above, dark grey.							
			7	NA	2.5		314, 646		
27.0	-28.0 28.0	End of Borehole							
32.0									

Well Completion Details: 00N Silica Sand; 2" PVC Riser; Cemnt/Bentonite grout; Bentonite chips; 2" PVC Screen, 0.010" slot; June 23, 2009; 00N Silica Sand

Drilled By: Trec Environmental, Inc.
Drill Rig Type: 6620DT
Drill Method: Direct push/ 4 1/4 -inch augers
Comments:
Drill Date(s): 6/23/09

Hole Size: 9-inch
Stick-up: 2.5-foot
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-100

Borehole Number: MW-3

Project: Phase II Investigation

A.K.A.:

Client: Scott Rotary

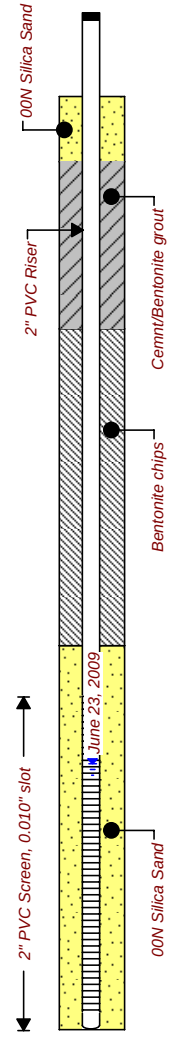
Logged By: TAB

Site Location: 350 Franklin St

Checked By: BCH

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Fill*** Yellow and orange brick.	1	NA	2.3		13.3		
2.0									
	-5.0 / 5.0	***Fine Sand and Gravel*** Brown, moist, fine sand with fine gravel, few coarse gravel, little silt, medium dense, non-plastic, loose when disturbed, slight petroleum like odor.	2	NA	1.5		7.1, 9.0		
7.0			3	NA	1.5		6.1, 10.3		
12.0			4	NA	1.9		9.5, 180		
	-15.0 / 15.0	As above, grey, strong petroleum-like odor.							
17.0			5	NA	1.5		718, 488		
	-20.0 / 20.0	As above, dark grey, wet.							
22.0			6	NA	2.0		227, 137		
			7	NA	2.5		79.8, 720		
27.0	-28.0 / 28.0	End of Borehole							
32.0									



Drilled By: Trec Environmental, Inc.
Drill Rig Type: 6620DT
Drill Method: Direct push/ 4 1/4 -inch augers
Comments:
Drill Date(s): 6/23/09

Hole Size: 9-inch
Stick-up: 2.5-foot
Datum: NA

Sheet: 1 of 1

Project No: 189-001-105

Borehole Number: MW-4

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

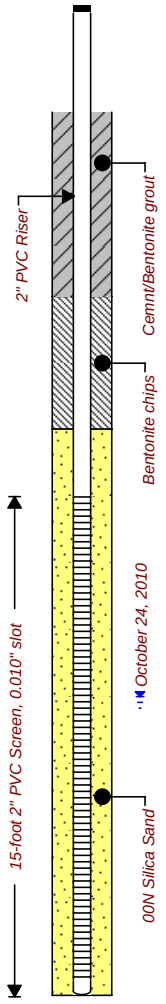
Logged By: TAB

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
	0.0	Ground Surface							
	0.0	***Top soil*** Brown, moist, mostly non plastic fines with some fine sand, loose when disturbed, with roots.	S1	NA	2.2		1.2, 2.4		
3.0	-4.0 4.0	***Silty Sand with Gravel*** Brown, moist, mostly fine sand little subrounded fine gravel trace to few sub rounded coarse gravel, few non plastic fines, dense, loose when disturbed. As above, grey, with petroleum like-odor.	S2	NA	2.0		290, 227		
8.0	-8.0 8.0	As above, few coarse gravels.	S3	NA	2.1		599, 915	Sampled (10 - 12)	
13.0	-12.0 12.0	As above.	S3	NA	1.1		78.9		
	-15.0 15.0	As above, wet at (19 fbgs.)	S4	NA	1.4		754, 1306	Sampled (17 - 19)	
18.0	-19.0 19.0	As above, sheen.	S5	NA	1.6		1490, 813		
23.0	-23.0 23.0	As above.	S6	NA	1.3		507		
	-25.0 25.0	As above.	S7	NA	1.2		853, 1326		
28.0	-28.0 28.0	End of Borehole							



Drilled By: Earth Diemensions, Inc.
Drill Rig Type: CME 550
Drill Method: 4-foot Macrocore with with 41/4-inch HSA
Comments:
Drill Date(s): 10/22/10

Hole Size: 8 1/2-inch
Stick-up: 2.0
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0189-001-105

Borehole Number: MW-5

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

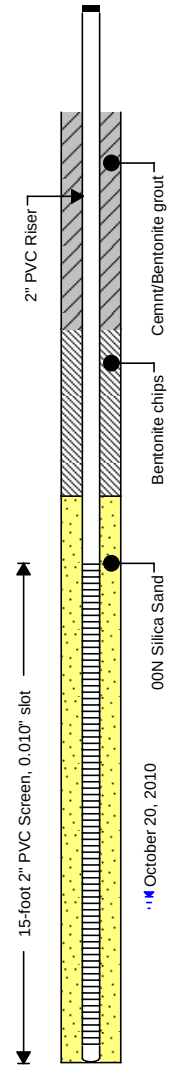
Logged By: TAB

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
	0.0 / 0.0	Ground Surface							
	0.0 / 4.0	***Top soil*** Brown, moist, mostly non plastic fines with some fine sand, loose when disturbed, with roots. ***Fill*** Brown with black, mostly non plastic fines with some fine sand, with coal pieces and orange brick fragments.	S1	NA	2.7		0.1		
3.0	-4.0 / 4.0	***Silty Sand with Gravel*** Brown, moist, mostly fine sand, little sub-rounded fine gravels, few coarse sands and fine gravels and non plastic fines, dense, loose when disturbed.	S2	NA	2.0		0.1 0.2		
8.0	-8.0 / 8.0	As above.	S3	NA	1.7		0.2 0.5		
13.0	-12.0 / 12.0	As above.	S3	NA	2.4		0.7 0.5		
18.0	-15.0 / 15.0	As above.	S4	NA	2.4		0.8 1.6		
	-19.0 / 19.0	As above, spoon refusal at 20 fbgs, augered through to 21.0 fbgs	S5	NA	0.4		0.4		
	-21.0 / 21.0	As above, grey, trace coarse gravel, petro odor.	S7	NA	1.3		765	Sampled (21 - 23)	
23.0	-23.0 / 23.0	As above,little coarse gravel.	S8	NA	0.7		417	Sampled (23 - 25)	
	-25.0 / 25.0	As above, wet at (25 fbgs).	S9	NA	2.1		783 741		
28.0	-28.0 / 28.0	As above.	S9	NA	1.2		499		
	-30.0 / 30.0	End of Borehole							



Drilled By: Earth Diemensions, Inc.
Drill Rig Type: CME 550
Drill Method: Continous 2-foot SS with 41/4-inch HSA.
Comments:
Drill Date(s): 10/21/10

Hole Size: 8 1/2-inch
Stick-up: 2.0
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: **Borehole Number: MW-6**

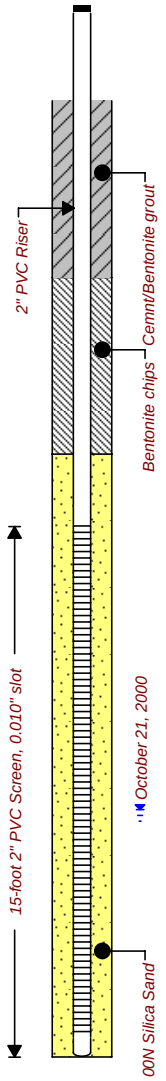
Project: 301Franklin St **A.K.A.:**

Client: Scott Rotary Seals **Logged By:** TAB

Site Location: Olean, NY **Checked By:** BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
	0.0	Ground Surface							
	0.0	***Top soil*** Brown, moist, mostly non plastic fines with some fine sand, medium dense, medium dense, loose when disturbed, with roots.	S1	8	1.1		0.1		
2.0	-2.5 2.5		S2	17	1.6		0.0		
	-4.0 4.0	***Fill*** Black, moist, fine sand, with trace, non plastic fines loose whendisturbed, with concrete from 0.5 to 0.7 fbgs.	S3	15	1.1		0.1		
	-6.0 6.0	***Fill*** Brown with black, moist, mostly medium plasticity fines, with some fine sand, trace sub rounded fine gravel and coarse gravel, stiff, with orange brick fragments.	S3	17	0.7		0.2		
7.0	-8.0 8.0		S4	18	1.3		0.4		
	-10.0 10.0	***Silty Sand with Gravel.*** Brown, moist, mostly fine sand little non plastic fines, coarse sands and fine gravels, trace coarse gravel very dense, loose when disturbed.	S5	32	1.3		1.0		
12.0	-12.0 12.0	As above.	S6	46	1.3		0.3		
		As above.							
	-14.5 14.5	As above.	S7	49	1.4		113	Sampled (14 - 16)	
	-16.0 16.0	As above.							
17.0		As above, grey, petro odor.	S8	100 4	0.9		92.4		
	-18.0 18.0	As above.							
		As above.	S9	79	1.0		317	Sampled (18 - 20)	
	-20.0 20.0	As above, wet at 21.0 fbgs.	S10	41	0.8		230		
22.0	-22.0 22.0	***Sandy Lean Clay with Gravel*** Mostly, low plasticity fines, some fine sand, little subrounded fine gravel, trace coarse gravel, stiff.	S11	42	1.2		14.3		
	-25.0 25.0		S12	53	1.3		201		
	-26.4 26.4	***Silty Sand with Gravel*** As above, Grey/black, Petroleum like odor.							
27.0		As above, some fine gravel.	S13	78	0.7		156		
	-28.0 28.0	End of Borehole							



Drilled By: Earth Diemensions, Inc.
Drill Rig Type: CME 550
Drill Method: Continous SS with HSA
Comments:
Drill Date(s): 10/21/10

Hole Size: 8 1/2-inch
Stick-up: 2.0-foot
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0189-001-105

Borehole Number: MW-7

Project: 301 Franklin Street Site

A.K.A.:

Client: Scott Rotary Seals

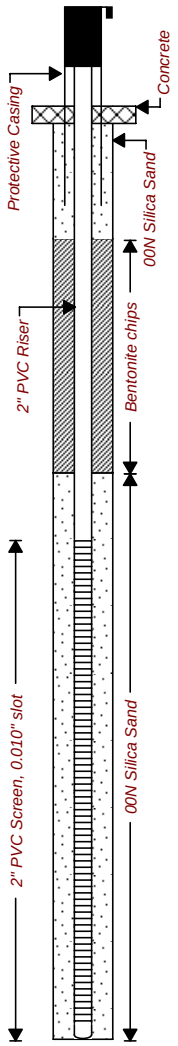
Logged By: BMG

Site Location: 301 Franklin Street

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 1000 – 2000)	Lab Sample	Well Completion Details or Remarks
-4.0									
	0.0	Ground Surface							
	0.0	***Fill*** Brown, moist, bricks with some non-plastic fines, dense	S-1	NA	0.8		0.8		
1.0									
	-3.0								
	3.0	***Well Graded Sand with Silt and Gravel*** Brown, moist, fine to coarse sand with little fine to coarse rounded gravel and few non-plastic fines, dense	S-2	NA	0.4		0.5		
			S-3	NA	0.9		0.4		
6.0									
			S-4	NA	1.2		0.2		
			S-5	NA	1.1		1.7		
11.0									
			S-6	NA	1.0		0.4		
			S-7	NA	1.1		0.7		
			S-8	NA	0.2		0.5		
16.0									
	-17.7		S-9	NA	1.2		367.0	Sampled 17-18'	
	17.7	***Same as above*** Gray, wet (21'), strong odor	S-10	NA	0.4		16.7		
21.0									
	-22.0		S-11	NA	1.3		116.0		
	22.0	***Lean Clay*** Brown, moist, medium plasticity fines with few fine rounded gravel, stiff, laminated	S-12	NA	1.6		93.2		
	-26.0		S-13	NA	1.4		763.0		
26.0	26.0	***Well Graded Sand with Gravel*** Gray, wet, fine to coarse sand with some fine to coarse rounded gravel, dense, strong odor	S-14	NA	1.5		1087.0		
	-29.0								
	29.0	End of Borehole							
31.0									



Drilled By: Parratt Wolf Inc
Drill Rig Type: IR300
Drill Method: 4.25" HSA with continous split spoon sampling
Comments:
Drill Date(s): 1-11-11

Hole Size: 9"
Stick-up: 2.85'
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-105

Borehole Number: MW-8

Project: 301 Franklin Street Site

A.K.A.:

Client: Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
	0.0 / 0.0	Ground Surface							
1.0		***Fill*** Brown, moist, bricks with some non-plastic fines, dense	S-1	NA	.7		1.7		
			S-2	NA	.6		0.2		
6.0	-7.0 / 7.0		S-3	NA	0.8		2.4		
		Fill Reddish brown, moist, medium sand with few rounded gravel and few brick, dense	S-4	NA	0.8		0.0		
			S-5	NA	0.9		0.9		
11.0			S-6	NA	0.2		19.2		
	-14.0 / 14.0		S-7	NA	0.8		10.4		
		Well Graded Sand with Gravel Brown, moist, fine sand with some fine to coarse rounded gravel few non-plastic fines, dense	S-8	NA	0.8		2.2		
16.0	-17.5 / 17.5		S-9	NA	0.7		290.0		
		Well Graded Sand with Gravel Gray, moist to wet (21.5'), fine to coarse sand with some fine to coarse rounded gravel, dense, strong odor	S-10	NA	0.6		535.0	Sampled 19-21'	
21.0			S-11	NA	0.4		148.0		
			S-12	NA	0.7		655.0		
26.0			S-13	NA	1.3		860.0		
	-28.0 / 28.0		S-14	NA	1.2		297.0		
		End of Borehole							
31.0									

PID VOCs: 0 – 500 – 1000 ppm

Well Completion Details: Concrete; Protective Casing; 2" PVC Riser; 00N Silica Sand; Bentonite chips; 2" PVC Screen, 0.010" slot; 00N Silica Sand

Drilled By: Parratt Wolf Inc
Drill Rig Type: IR300
Drill Method: Hollow stem auger/split spoon
Comments:
Drill Date(s): 1-11-11

Hole Size: 9"
Stick-up: 2.93'
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: SB-01

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
0.0	0.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand and some rounded fine to coarse gravel, loose when disturbed	S-1	NA	2.2'		0.0, 0.0, 1.3, 0.0		
5.0									
10.0			S-2	NA	2.1'		10.6, 57.0		
	-12.0 12.0	***Same as above*** Gray, wet (24'), strong odor	S-3	NA	1.8'		78.0, 72.0		
15.0									
			S-4	NA	2.0'		212.0		
20.0			S-5	NA	1.8'		255.0, 354.0	SB-1 (20-24')	First water
25.0			S-6	NA	1.4'		278.0, 312.0		
	-28.0 28.0	End of Borehole							
30.0									

PID VOCs: 0 – 250 – 500 ppm

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: SB-02

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface					0 1000 2000		
	0.0	***Fill*** Dark brown, moist, bricks with some fine sand, medium gravel, and trace glass, dense, loose when disturbed	S-1	NA	1.5		0.0 0.0		
	-4.0								
	4.0	***Well Graded Sand with Gravel*** Gray, moist, fine to coarse sand with some rounded fine to coarse gravel, loose when disturbed, strong odor	S-2	NA	1.5		170.0 778.0		
5.0									
			S-3	NA	1.8		1040.0 493.0		
10.0									
			S-4	NA	2.1		610.0 1588.0		
15.0									
			S-5	NA	1.5		1296.0 1477.0	SB-02 (16-20')	
20.0									
			S-6	NA	1.7		726.0 796.0		
	-24.0								
	24.0	End of Borehole							
25.0									

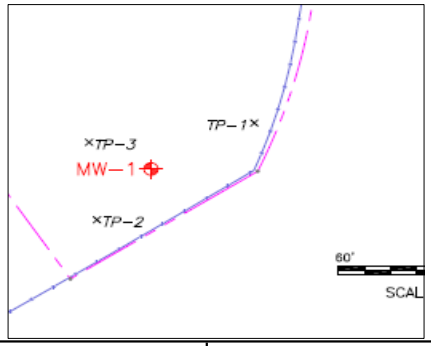
Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

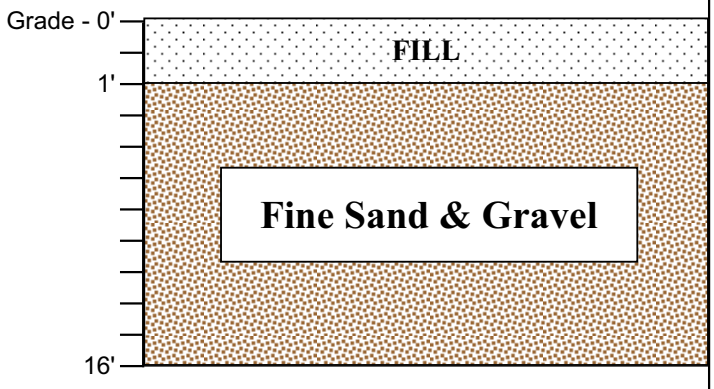
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-1**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	8:30	Length:	10.0 ft.	(approx.)
End:	9:30	Width:	7.0 ft.	(approx.)
		Depth:	16.0 ft.	(approx.)

Test Pit Cross Section:



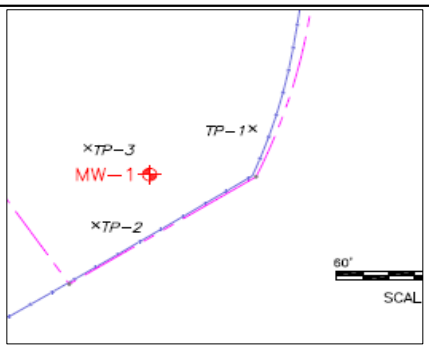
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 1.0	Black, moist, Fill, fines, with some fine sand, coarse sand and cobbles 2 to 6-inch, with brick, concrete and steel debris, medium dense, loose when disturbed.	0.0	y	n
1.0 -15.0	Brown, moist, Fine Sand and Gravel, some cobbles with little non-plastic fines, medium dense, loose when disturbed.	0.0	y	n
15.0 - 16.0	As above, grey, slight petroleum like odor.	11.9	y	n

COMMENTS:

GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum-like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	
			Sample I.D.:	
			Sample I.D.:	

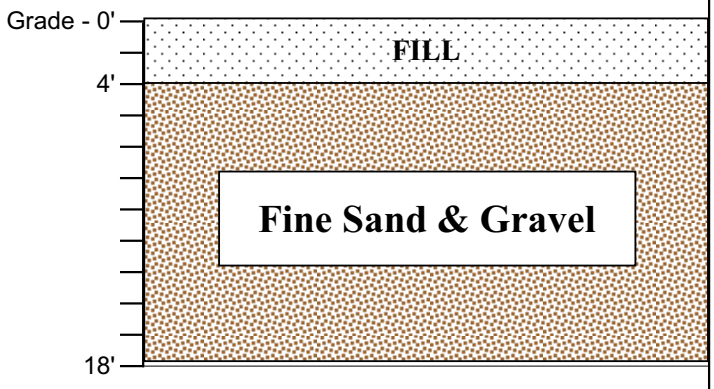
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-2**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	9:19	Length:	18.0 ft.	(approx.)
End:	9:45	Width:	3.5 ft.	(approx.)
		Depth:	18.0 ft.	(approx.)

Test Pit Cross Section:



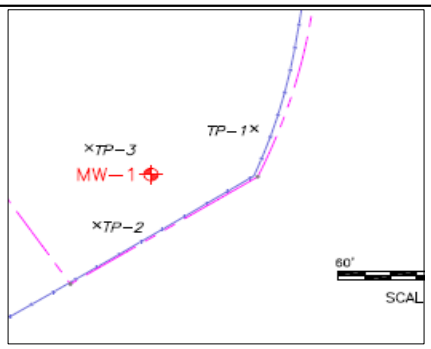
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 4.0	Brown , moist, Fill with fine sand, some non-plastic fines, few coarse gravel and cobbles, with plastic, metal, wood and brick debris, medium dense, loose when disturbed.	0.0	y	n
4.0 - 16.0	Brown, moist, Fine Sand and Gravel, some cobbles with little non-plastic fines, medium dense, loose when disturbed, slight petroleum-like odor below 12.0 fbgs.	0.0	y	n
16.0-18.0	As above, grey, slight petroluem like odor.	25.8	y	y

COMMENTS:

GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petrolum like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	TP-2 (16-18fbgs)
			Sample I.D.:	
			Sample I.D.:	

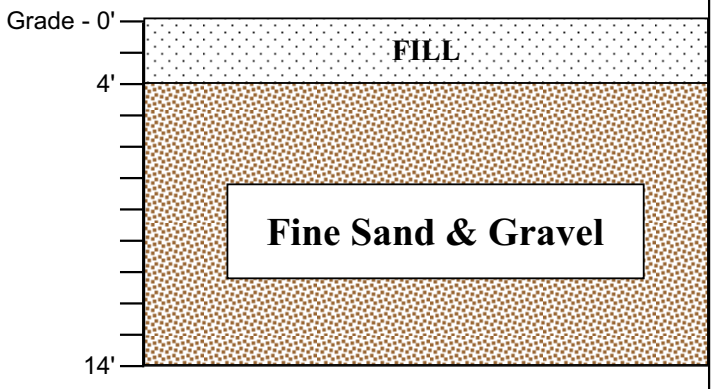
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-3**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	9:55	Length:	14.0 ft.	(approx.)
End:	10:18	Width:	3.5 ft.	(approx.)
		Depth:	14.0 ft.	(approx.)

Test Pit Cross Section:



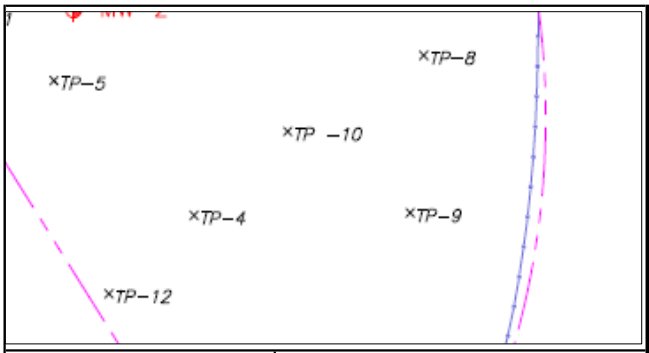
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 4.0	Dark brown, moist, Fill, non-plastic fines, with some fine sand with brick, concrete and steel debris, medium dense, loose when disturbed.	0.0	y	n
4.0 -13.0	Brown, moist, Fine Sand and Gravel, some cobbles with little non-plastic fines, medium dense, loose when disturbed.	0.0	y	n
13.0 - 14.0	As above, grey, slight petroleum like odor.	1.9	y	n

COMMENTS:

GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum-like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	
			Sample I.D.:	
			Sample I.D.:	

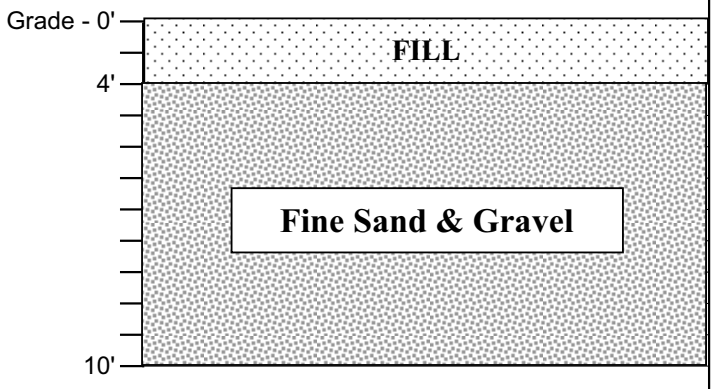
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-4**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	10:25	Length:	10.0 ft.	(approx.)
End:	10:50	Width:	3.5 ft.	(approx.)
		Depth:	10.0 ft.	(approx.)

Test Pit Cross Section:



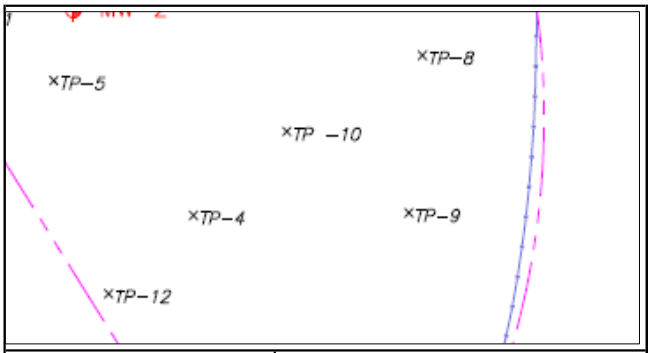
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 4.0	Dark brown/black, moist, Fill, non-plastic fines, with some fine sand with brick, concrete footers, and steel piping, medium dense, loose when disturbed, petroleum-like odor.	0.0	y	n
4.0 -10.0	Black/dark grey, moist, Fine Sand and Gravel, some cobbles with little non-plastic fines, medium dense, loose when disturbed, strong petroleum odor.	195.0	y	y

COMMENTS:

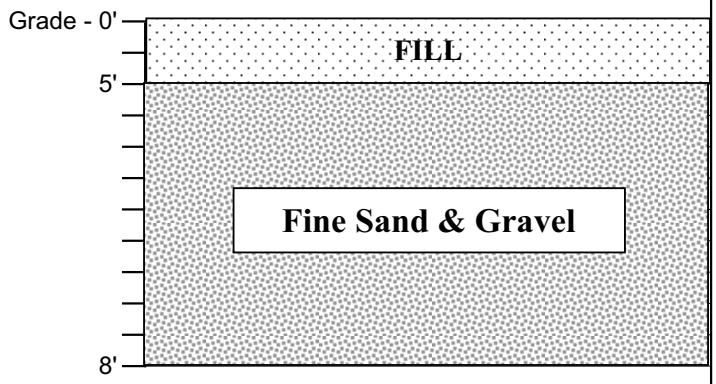
GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	TP-4 (4-10 fbgs)
			Sample I.D.:	
			Sample I.D.:	

TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-5**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



Test Pit Cross Section:



TIME				
Start:	10:59	Length:	10.0 ft.	(approx.)
End:	11:25	Width:	5.0 ft.	(approx.)
		Depth:	8.0 ft.	(approx.)

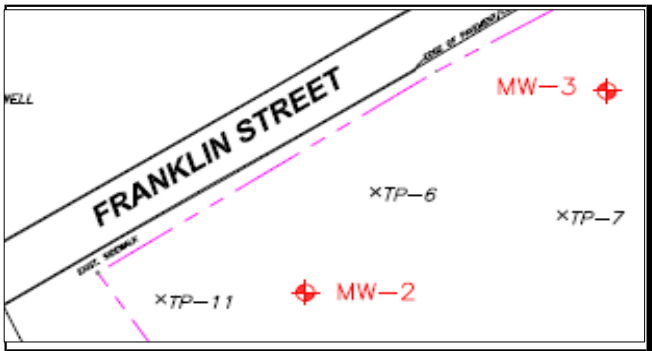
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 5.0	Dark brown, Fill, non-plastic fines, with some fine sand and coarse gravel, with red brick, concrete rubble, and steel piping debris, medium dense, loose when disturbed, petroleum like odor, suspected perched water in rubble debris.	0.0	y	n
5.0 -8.0	Black/dark grey, moist, Fine Sand and Gravel, some cobbles with little non-plastic fines, medium dense, loose when disturbed, strong petroleum-like odor.	64.0	y	y

COMMENTS:

GROUNDWATER ENCOUNTERED:	☑ YES	☐ NO	If yes, depth to GW:	~5.0 fbgs
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	TP-5 (5-8 fbgs)
			Sample I.D.:	
			Sample I.D.:	

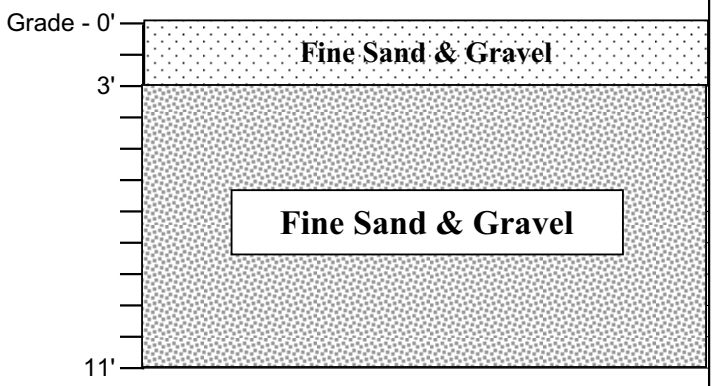
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-6**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	12:15	Length:	23.0 ft.	(approx.)
End:	12:40	Width:	3.5 ft.	(approx.)
		Depth:	11.0 ft.	(approx.)

Test Pit Cross Section:



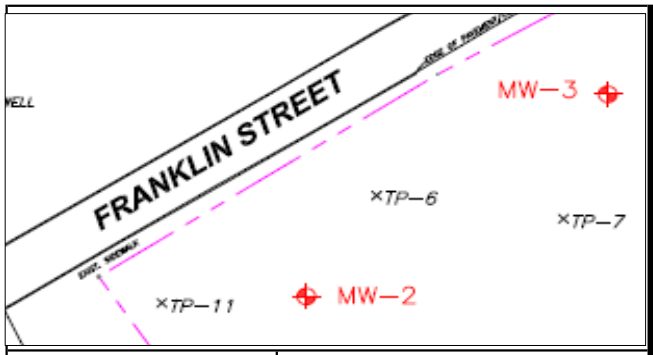
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 3.0	Dark brown, moist, Fine Sand and Gravel, with some non-plastic fines, with few cobbles, medium dense, with former suspected former AST tank foundation.	0.0	y	n
3.0 -11.0	As above, dark grey, strong petroleum-like odor.	1195.0	y	y

COMMENTS:

GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	TP-6 (3-11 fbgs)
SAMPLES COLLECTED:			Sample I.D.:	
			Sample I.D.:	
			Sample I.D.:	

TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-7**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	12:45	Length:	11.0 ft.	(approx.)
End:	13:05	Width:	3.5 ft.	(approx.)
		Depth:	13.0 ft.	(approx.)

Test Pit Cross Section:

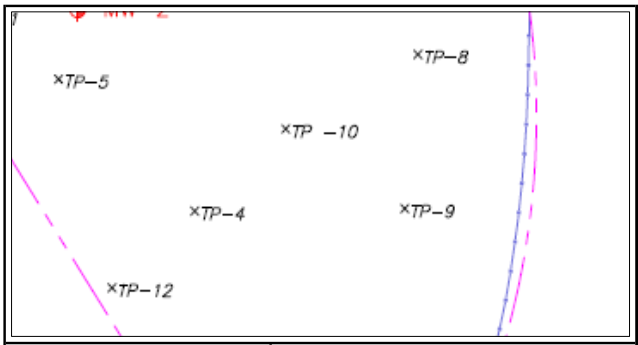
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 13.0	Dark brown, moist, Fine Sand and Gravel, with some non-plastic fines, with few cobbles, medium dense.	0.0	y	n

COMMENTS:

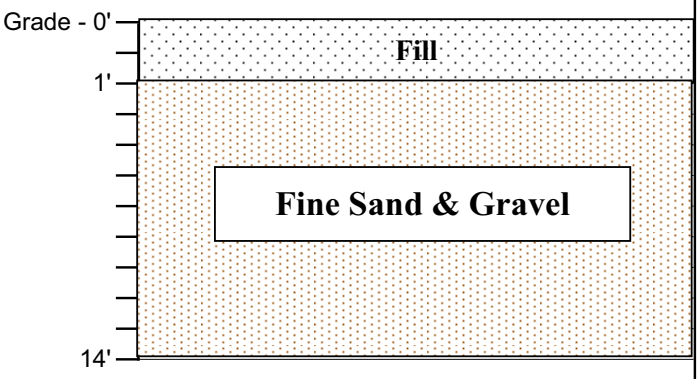
GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:
VISUAL IMPACTS:	☐ YES	☑ NO	Describe:
OLFACTORY OBSERVATIONS:	☐ YES	☑ NO	Describe:
NON-NATIVE FILL ENCOUNTERED:	☐ YES	☑ NO	
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:
SAMPLES COLLECTED:			Sample I.D.:
			Sample I.D.:
			Sample I.D.:

TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-8**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



Test Pit Cross Section:



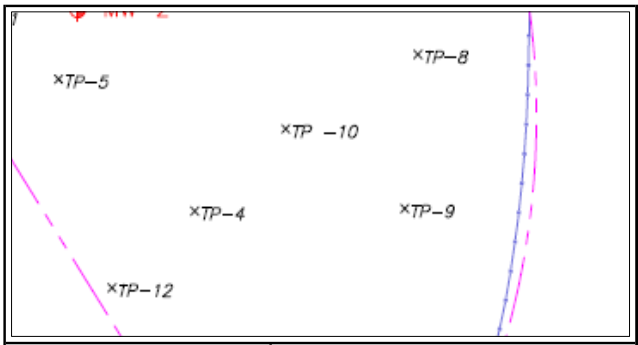
TIME				
Start:	13:10	Length:	11.5 ft.	(approx.)
End:	14:00	Width:	3.5 ft.	(approx.)
		Depth:	14.0 ft.	(approx.)

Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0-1.0	Black/dark brown, fill, non-plastic fines with some fine sand, with piping and red and orange brick debris, medium dense, loose when disturbed.	0.0	y	n
1.0-12.0	Dark brown, moist, Fine Sand and Gravel, with some non-plastic fines, with few cobbles, medium dense, loose when disturbed.	0.0	y	n
12.0-14.0	As above, dark grey, strong petroleum-like odor.	42.0	y	n

COMMENTS:

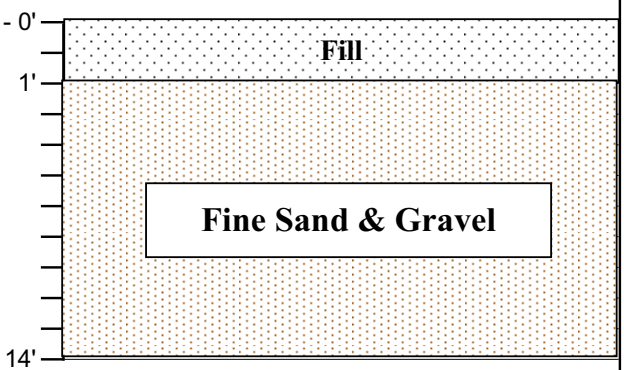
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-9**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	14:11	Length:	11.5 ft.	(approx.)
End:	14:35	Width:	3.5 ft.	(approx.)
		Depth:	14.0 ft.	(approx.)

Test Pit Cross Section:

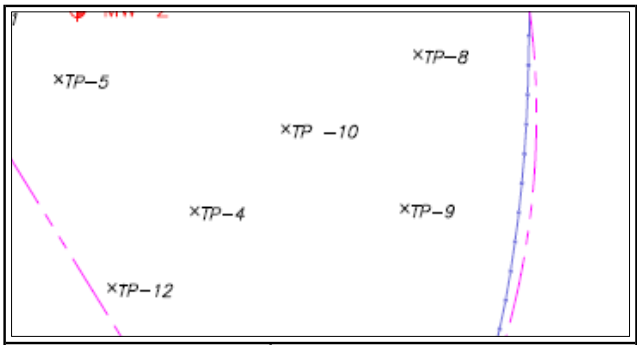


Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0-1.0	Black/dark brown, moist, fill, non-plastic fines with some fine sand, with piping and red brick debris, medium dense, loose when disturbed.	0.0	y	n
1.0-12.0	Dark brown, moist, Fine Sand and Gravel, with some non-plastic fines, with few cobbles, medium dense, loosewhen disturbed.	0.0	y	n
12.0-14.0	As above, dark grey, strong petroleum-like odor.	1254.0	y	y

COMMENTS:

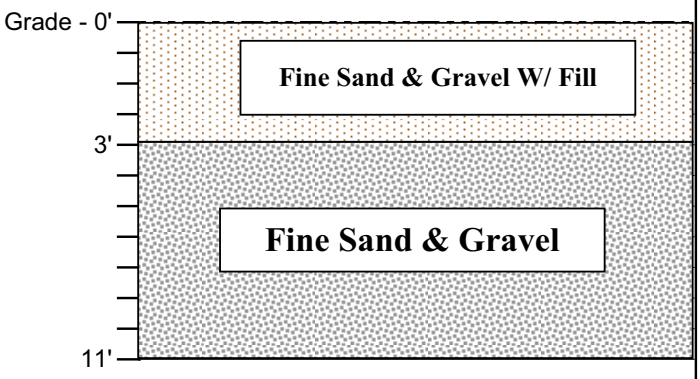
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-10**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	14:40	Length:	11.5 ft.	(approx.)
End:	15:15	Width:	3.5 ft.	(approx.)
		Depth:	11.0 ft.	(approx.)

Test Pit Cross Section:

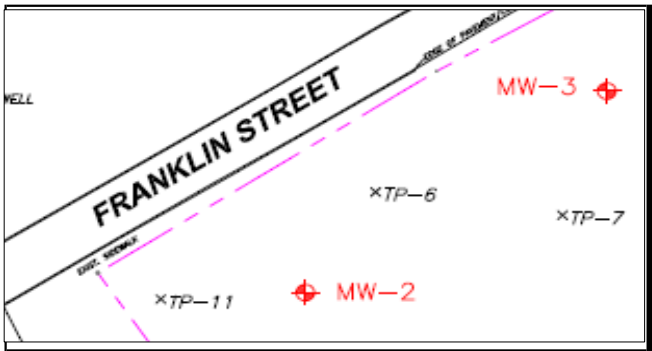


Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0- 3.0	Dark brown, moist, Fine Sand and Gravel with, with some non-plastic fines, with few cobbles with orange brick debris, medium dense, loose when disturbed.	0.0	y	n
3.0-11.0	As above, dark grey, strong petroleum-like odor, with no orange bricks..	1094.0	y	y

COMMENTS:

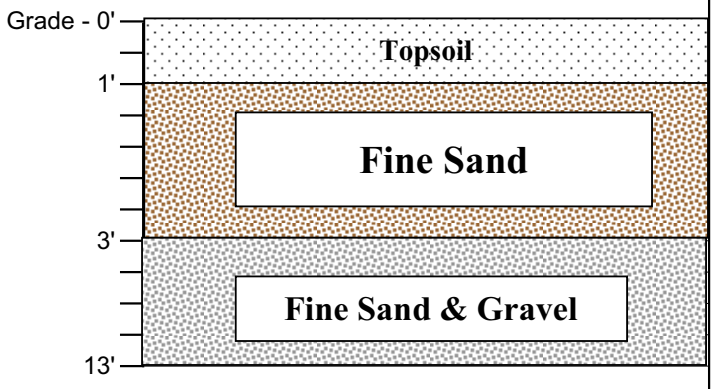
TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-11**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



TIME				
Start:	15:20	Length:	11.0 ft.	(approx.)
End:	15:55	Width:	3.5 ft.	(approx.)
		Depth:	13.0 ft.	(approx.)

Test Pit Cross Section:



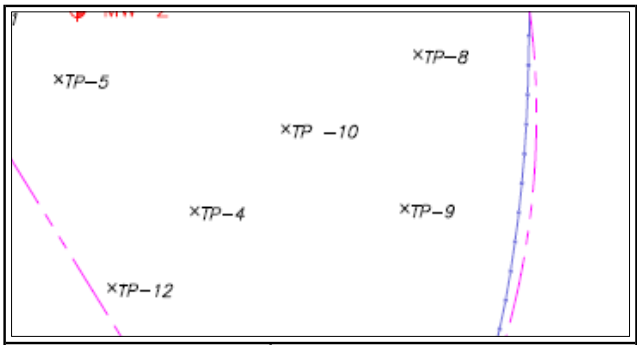
Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0 - 1.0	Dark Brown, moist, Top Soil, low plasticity fines with some fine sand and few coarse sand, soft.	0.0	y	n
1.0 - 3.0	Brown, moist, Fine Sand with some non-plastic fines, few coarse gravel, trace cobbles, with lenses of clayey silt, medium dense, loose when disturbed.	0.0	y	n
3.0-4.0	As above, grey, slight petroluem-like odor.	25.8	y	n
4.0-13.0	Grey, moist, Fine Sand and Gravel with few cobbles, some coarse gravel, little non-plastic fines, medium dense, loose when disturbed, strong petroleum-like odor.	540.0	y	n

COMMENTS:

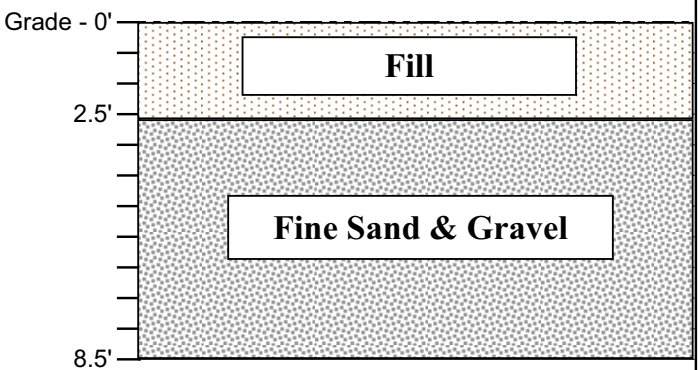
GROUNDWATER ENCOUNTERED:	☐ YES	☑ NO	If yes, depth to GW:	
VISUAL IMPACTS:	☑ YES	☐ NO	Describe:	Grey-stained soils
OLFACTORY OBSERVATIONS:	☑ YES	☐ NO	Describe:	Petroleum like odor
NON-NATIVE FILL ENCOUNTERED:	☑ YES	☐ NO		
OTHER OBSERVATIONS:	☐ YES	☑ NO	Describe:	
SAMPLES COLLECTED:			Sample I.D.:	
			Sample I.D.:	
			Sample I.D.:	

TEST PIT EXCAVATION LOG

Project:	Phase II Investigation	TEST PIT I.D.:	**TP-12**
Project No.:	0189-001-100	Excavation Date:	06/24/09
Client:	Scott Rotary Seals	Excavation Method:	CASE 9010B Excavator
Location:	350 Franklin Street, Olean, NY	Logged / Checked By:	TAB/BCH



Test Pit Cross Section:



TIME				
Start:	16:00	Length:	11.5 ft.	(approx.)
End:	16:30	Width:	4.0 ft.	(approx.)
		Depth:	8.5 ft.	(approx.)

Depth (fbgs)	(ASTM D2488: Visual Manual Procedure) Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)
0.0-2.5	Dark brown, moist, Fill, non-plastic fines with some fine sand, concrete, brick and metal debris, non-plastic, medium dense, loose when disturbed, suspected brick footer at north wall.	0.0	y	n
2.5-4.0	As above, dark grey, with strong petroleum-like odor.	100.0	y	y
4.0-8.5	Dark grey/black, moist, Fine Sand and Gravel, with some non-plastic fines and few cobbles, medium dense, loose when disturbed, strong petroleum like odor.	805.0	y	y

COMMENTS:

Project No: 0189-001-104

Borehole Number: TP-13/SB-13

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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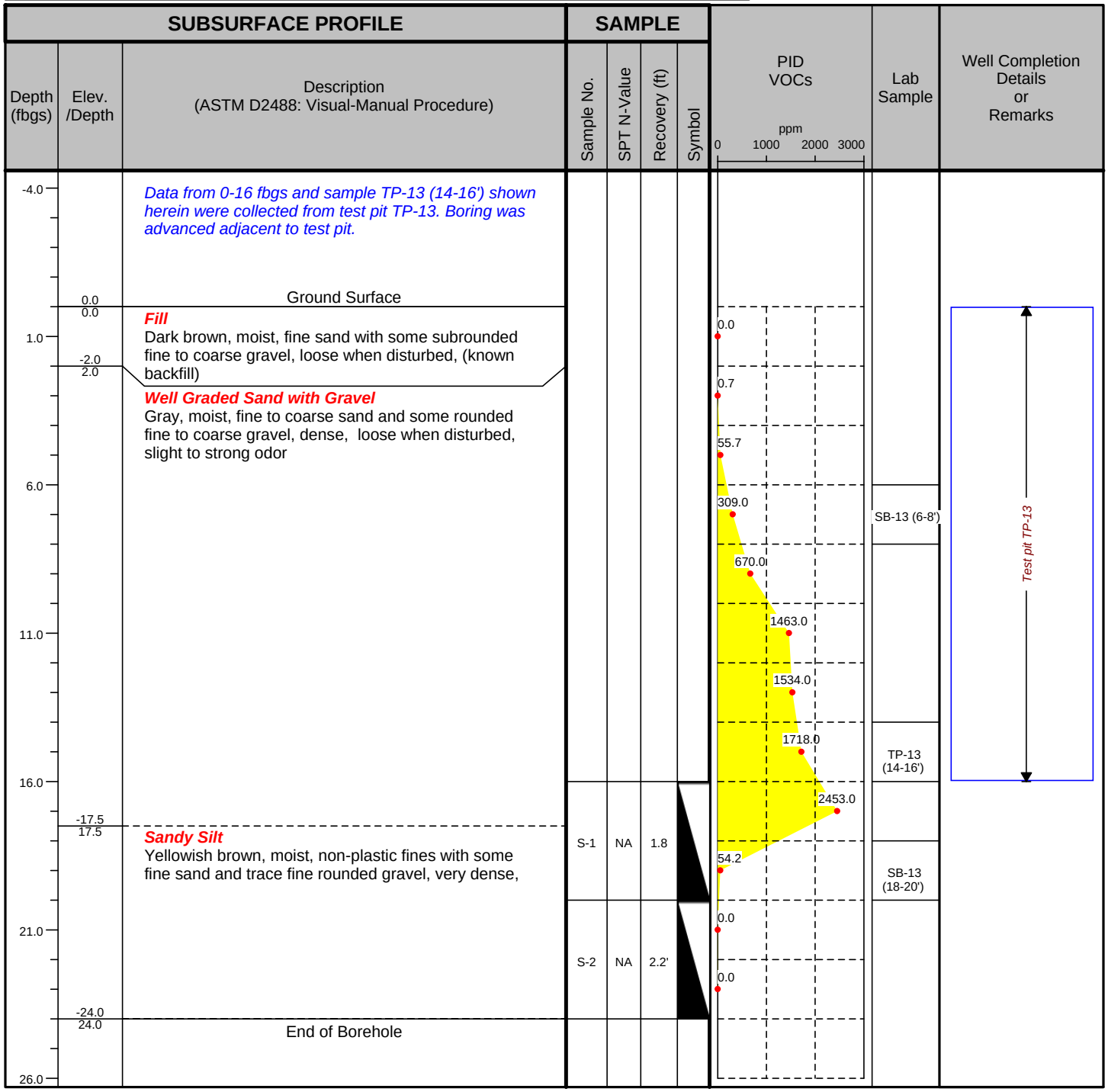
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635



Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments: Odors are stronger and more shallow on north side of TP
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0189-001-104 | ***Test Pit I.D.:*** TP-14

Project: Scott Rotary Seals Site | ***Logged By:*** BMG

Client: DST Properties NY, LLC & Scott Rotary Seals | ***Checked By:*** BCH

Site Location: 301 Franklin Street, Olean, NY

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(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm, 0 – 1000 – 2000)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Fill*** Dark brown, moist, bricks with some fine sand and gravel and trace glass and metal debris, dense, loose when disturbed		0.0		
	-3.0 / 3.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed		0.0		
5.0				0.0		
				0.0		
				0.0		
10.0				0.0		
				0.0		
15.0				0.0		
	-16.0 / 16.0	***Same as above*** Gray, wet (17.5'), strong odor		791.0	TP-14 (15-17')	*First water*
	-17.5 / 17.5	End of Test Pit				
20.0						

Excavated By: RE Lorenz
Excavator Type: Case CX130
Excavation Date(s): 8-17-10
Comments:

Length: 10'
Width: 3'
Depth: 17.5'

Depth to Water: 17.5'
Visual Impacts: None
Olfactory Observations: Strong odors 16-17.5'

Project No: 0189-001-104

Borehole Number: TP-15/SB-15

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)
		Data from 0-17 fbgs and samples TP-15 (3-4') and TP-15 (15-17') shown herein were collected from test pit TP-15.
	0.0 / 0.0	Ground Surface
2.0	-2.0 / 2.0	***Fill*** Dark brown, moist, bricks with some fine sand and rounded gravel and trace glass and metal debris, loose when disturbed
7.0		***Well Graded Sand with Gravel*** Gray, moist to wet (18'), fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed, strong odor
12.0		
17.0		
22.0		
	-24.0 / 24.0	End of Borehole
27.0		

SAMPLE

Sample No.	SPT N-Value	Recovery (ft)	Symbol
S-1	NA	2.1'	
S-2	NA	1.9'	

PID VOCs (ppm): 0.0, 791.0, 1183.0, 1536.0, 1599.0, 1609.0, 1861.0, 1875.0, 2048.0, 904.0, 285.0, 185.0

Lab Sample: TP-15 (3-4'); TP-15 (15-17'); SB-15 (17-20')

Well Completion Details or Remarks: Test pit TP-15; First water

Drilled By: Trec Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments: Concrete floor at 2' to SE, two 10" pipes at 2' parallel to road, orientated TP between pipes
Drill Date(s): 8-19-10

Hole Size: 3"
Stick-up: NA
Datum: NA
Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-16/SB-16

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
-3.0		*Data from 0-17 fbgs and sample TP-16 (15-17') shown herein were collected from test pit TP-16.*							
	0.0	Ground Surface							
	0.0	***Fill*** Dark brown, moist, bricks with some fine sand and gravel and trace glass and metal debris, loose when disturbed					0.0		
2.0							0.0		
	-6.0						0.0		
	6.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed					0.0		
7.0							0.0		
							0.0		
12.0							0.0		
							0.0		
	-15.0						451.0		
	15.0	***Same as above*** Gray, strong odor					584.0	TP-16 (15-17')	
17.0			S-1	NA	1.1'		394.0		
							912.0		
22.0			S-2	NA	1.9'		1920.0	SB-16 (20-24')	
	-24.0								
	24.0	***Sandy Silt*** Brown, moist to wet (26'), low plasticity fines with some fine sand and trace fine gravel, very dense					0.2		
			S-3	NA	2.4'		130.0		
27.0									
	-28.0								
	28.0	End of Borehole							

Test pit TP-16

First water

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-17/SB-17

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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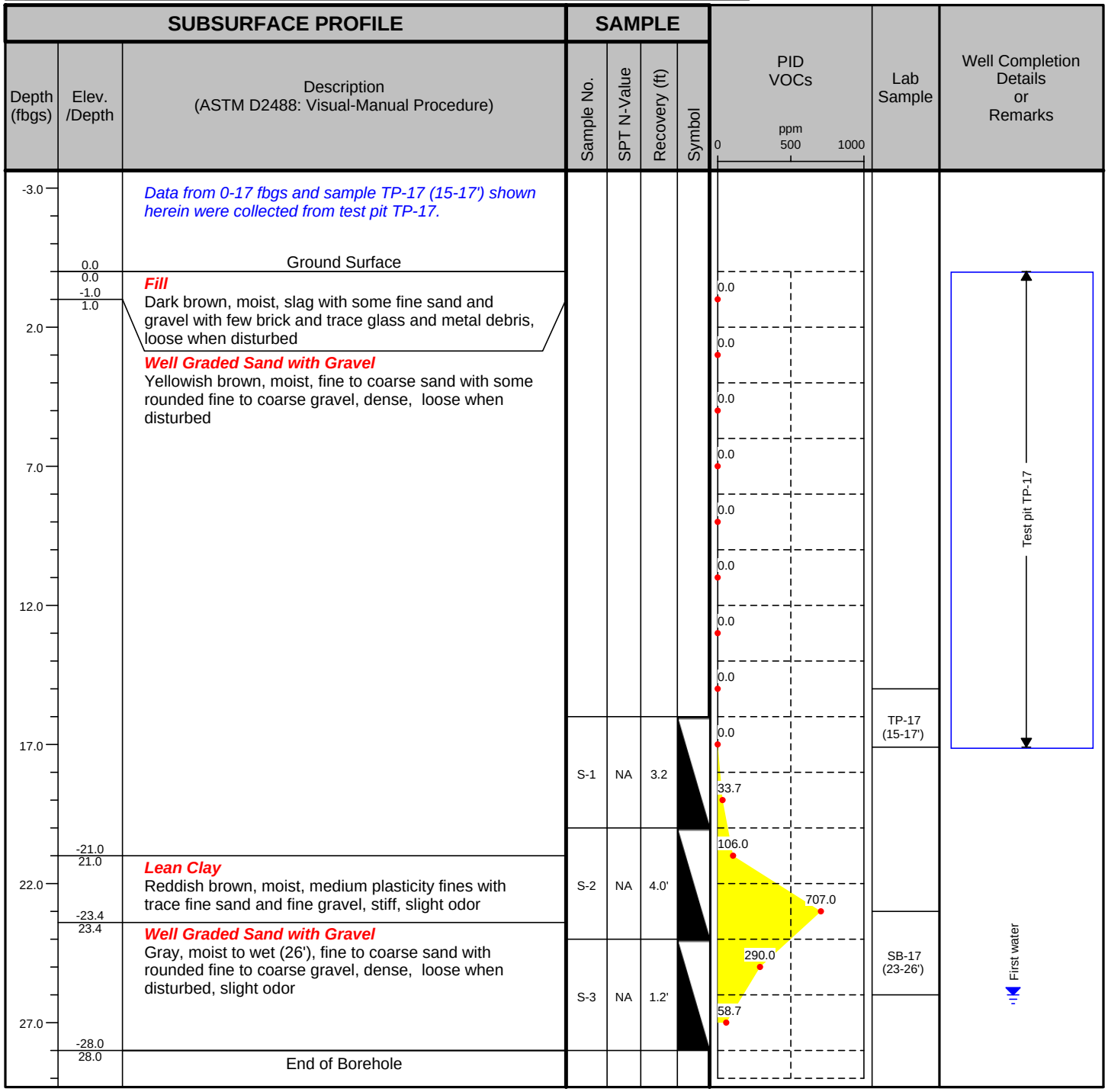

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-18/SB-18

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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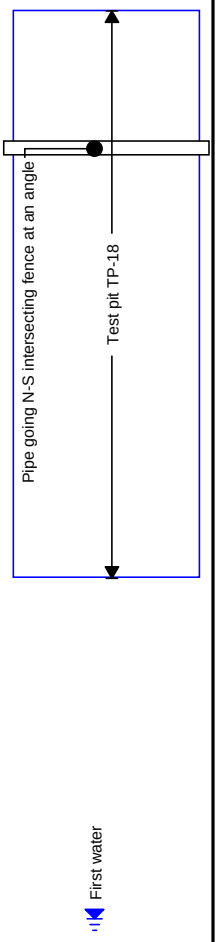
SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 500 / 1000)	Lab Sample	Well Completion Details or Remarks
-3.0		*Data from 0-17 fbgs and sample TP-18 (15-17') shown herein were collected from test pit TP-18.*							
	0.0 / 0.0	Ground Surface							
2.0	-3.0 / 3.0	***Fill*** Dark brown, moist, slag with some fine sand and gravel with few brick and trace glass and metal debris, loose when disturbed					1.6		
		Well Graded Sand with Gravel Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed					1.3		
7.0							1.3		
							1.3		
							1.0		
12.0							0.4		
							0.0		
	-15.0 / 15.0						75.0		
17.0		***Same as above*** Gray, wet (28'), strong odor	S-1	NA	1.3'		108.0	TP-18 (15-17')	
							180.0		
			S-2		2.0		109.0		
22.0							705.0		
			S-3		1.8'		332.0	SB-18 (24-28')	
27.0							803.0		
			S-4		1.6		21.7		
							13.6		
32.0	-32.0 / 32.0	End of Borehole							



Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0189-001-104

Project: Scott Rotary Seals Site

Client: DST Properties NY, LLC & Scott Rotary Seals

Site Location: 301 Franklin Street, Olean, NY

Test Pit I.D.: TP-19

Logged By: BMG

Checked By: BCH

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SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed		11.3		
	-3.0 / 3.0	***Same as above*** Gray, strong odor		360.0, 297.0, 308.0, 369.0, 187.0, 350.0, 523.0	TP-19 (14-16')	*First water*
5.0						
10.0						
15.0						
	-16.0 / 16.0	End of Test Pit				
20.0						

PID VOCs: 0 – 1000 – 2000 ppm

Excavated By: RE Lorenz
Excavator Type: Case CX130
Excavation Date(s): 8-16-10
Comments:

Length: 10'
Width: 3'
Depth: 16'

Depth to Water: 16'
Visual Impacts: Gray discolored soil
Olfactory Observations: Strong odor

Project No: 0189-001-104

Borehole Number: TP-20/SB-20

Project: 301 Franklin Street Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
-3.0		*Data from 0-18 fbgs and sample TP-20 (16-18') shown herein were collected from test pit TP-20*							
	0.0	Ground Surface							
	0.0	***Fill*** Dark brown, moist, fine sand and gravel with few brick and trace glass and metal debris, loose when disturbed					0.0		
2.0							8.7		
	-4.0 4.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand with some fine to coarse sub-rounded gravel, dense, loose when disturbed					0.0		
7.0							0.0		
							1.8		
							0.5		
12.0									
	-15.0 15.0	***Same as above*** Gray, moist to wet (22'), slight to strong odor (17')					23.0		
17.0			S-1	NA	1.8'		230.0	TP-20 (16-18')	
							408.0	SB-20 (16-20')	
			S-2	NA	2.2'		787.0		
22.0							538.0		
	-24.0 24.0	End of Borehole							
27.0									

Test pit TP-20

First water

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct push
Comments:
Drill Date(s): 8-19-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-21/SB-21

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 500 / 1000)	Lab Sample	Well Completion Details or Remarks
-3.0		*Data from 0-17 fbgs and sample TP-21 (15-17') shown herein were collected from test pit TP-21.*							
	0.0 / 0.0	Ground Surface							
2.0		***Fill*** Dark brown, moist, fine sand and gravel with few brick and trace glass and metal debris, loose when disturbed					0.0		
	-3.0 / 3.0	***Well Graded Sand with Gravel*** Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, loose when disturbed					0.0		
7.0							0.0		
							0.0		
							0.0		
							67.0		
12.0	-12.0 / 12.0	***Same as above*** Gray, strong odor					103.0		
							134.0		
17.0			S-1	NA	2.0'		650.0	TP-21 (15-17')	
							682.0		
			S-2	NA	3.0'		316.0	SB-21 (20-22')	
22.0	-22.0 / 22.0	***Lean Clay*** Brown, moist, medium plasticity fines with trace fine gravel, stiff					16.0		
	-24.0 / 24.0	End of Borehole							
27.0									

Test pit TP-21

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Comments:
Drill Date(s): 8-19-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-22/SB-22

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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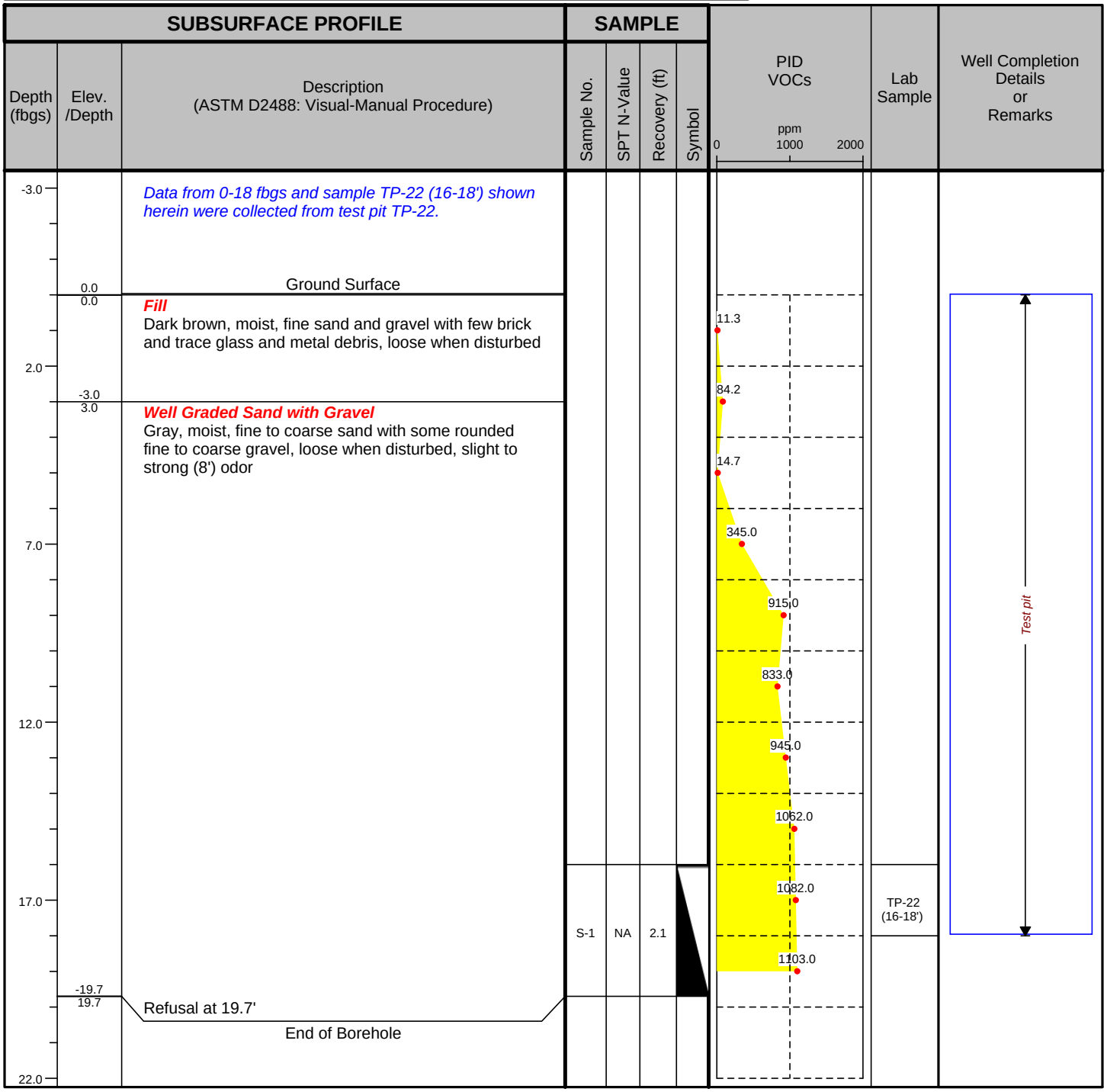

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Drill Date(s): 8-19-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Comments: 30' NE of TP found pipes orientated parrallel (1 ftbg) and perpendicular (1.5 ftbg) to road

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-23/SB-23

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)
		Data from 0-15 fbgs and sample TP-23 (8-10') shown herein were collected from test pit TP-23.
	0.0	Ground Surface
	0.0	***Well Graded Sand with Gravel*** Brown, moist, fine to coarse sand with some rounded fine to coarse gravel, dense, loose when disturbed,
	-4.0	
	4.0	***Same as above*** Gray, strong odor
	-10.0	
	10.0	***Same as above*** Wet (18')
	-22.1	
	22.1	Refusal at 22.1'
		End of Borehole

SAMPLE

Sample No.	SPT N-Value	Recovery (ft)	Symbol
S-1	NA	0.7'	
S-2	NA	1.8'	
S-3	NA	2.8'	

PID VOCs (ppm): 0 – 1000 – 2000

Depth (fbgs)	PID VOCs (ppm)
2.3	2.3
1.6	1.6
69.6	69.6
1316.0	1316.0
1767.0	1767.0
1700.0	1700.0
1605.0	1605.0
1607.0	1607.0
1934.0	1934.0
714.0	714.0
590.0	590.0
185.0	185.0

Lab Sample

- TP-23 (8-10')
- SB-23 (15-18')

Well Completion Details or Remarks

Test pit TP-23

First water

Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Comments:
Drill Date(s): 8-19-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

Project No: 0189-001-104

Borehole Number: TP-24/SB-24

Project: Scott Rotary Seals Site

A.K.A.:

Client: DST Properties NY, LLC & Scott Rotary Seals

Logged By: BMG

Site Location: 301 Franklin Street, Olean, NY

Checked By: BCH

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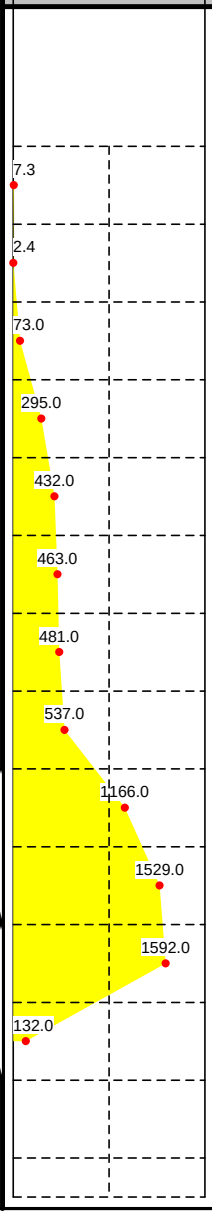
SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)
		Data from 0-15 fbgs and sample TP-24 (15-17') shown herein were collected from test pit TP-24.
	0.0	Ground Surface
	0.0 / -1.0 / 1.0	***Fill*** Brown, moist, fine sand and gravel, loose when disturbed, (known backfill)
		Well Graded Sand with Gravel Yellowish brown, moist, fine to coarse sand with some rounded fine to coarse gravel, loose when disturbed
	-5.0 / 5.0	***Same as above*** Gray, wet (20'), strong odor
	-23.3 / 23.3	***Sandy Silt*** Yellowish brown, moist, non-plastic fines with little fine sand and trace small rounded gravel, dense
	-24.0 / 24.0	End of Borehole

SAMPLE

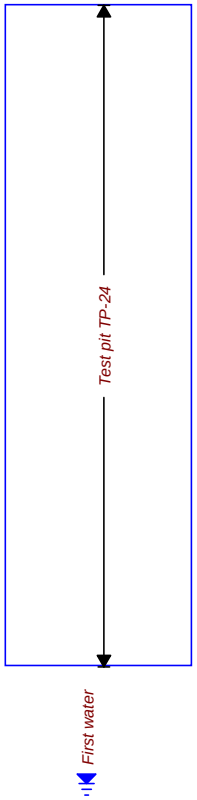
Sample No.	SPT N-Value	Recovery (ft)	Symbol
S-1	NA	2.1'	
S-2	NA	2.0'	

PID VOCs (ppm)



Lab Sample
TP-24 (15-17')
SB-24 (20-23')

Well Completion Details or Remarks



Drilled By: TREC Environmental, Inc.
Drill Rig Type: Geoprobe 6620DT
Drill Method: Direct Push
Comments:
Drill Date(s): 8-20-10

Hole Size: 3"
Stick-up: NA
Datum: NA

Sheet: 1 of 1

APPENDIX B

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE

(PROVIDED ELECTRONICALLY)

Analytical Report

Work Order: RTH1150

Project Description

Benchmark-350 Franklin St./Olean, NY site

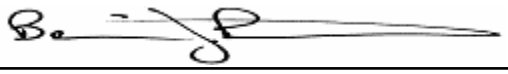
For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Thursday, September 16, 2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

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Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/L	5.0	10

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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D03	Dilution required due to excessive foaming
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
P3	Sample was received above recommended temperature.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

Benchmark Environmental & Engineering Science
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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01 (MW-1 - Water)					**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**			
Volatile Organic Compounds by EPA 8260B										
tert-Butylbenzene	**1.7**		1.0	0.81	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
Di-n-butyl phthalate	**1.1**	B, J	9.5	0.29	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Total Metals by SW 846 Series Methods										
Calcium	**184**		0.5	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Iron	**1.86**		0.050	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Magnesium	**23.8**		0.200	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Manganese	**1.26**		0.0030	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Potassium	**3.63**		0.500	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Sample ID: RTH1150-01RE1 (MW-1 - Water)					**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**			
Total Metals by SW 846 Series Methods										
Barium	**0.270**		0.0020	NR	mg/L	1.00	09/11/10 18:39	MxM	10I0145	6010B
Sodium	**23.1**		1.0	NR	mg/L	1.00	09/11/10 18:39	MxM	10I0145	6010B
Sample ID: RTH1150-02 (MW-2 - Water)					**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**260**	D08	5.0	0.80	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
Di-n-butyl phthalate	**1.1**	J, B	9.4	0.29	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Fluorene	**2.7**	J	9.4	0.34	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Phenanthrene	**2.3**	J	9.4	0.42	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDT	**0.017**	QSU,J	0.047	0.010	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
alpha-BHC	**0.018**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.0092**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**0.357**		0.200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Arsenic	**0.0214**		0.0100	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Calcium	**185**		0.5	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Iron	**17.5**		0.050	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Magnesium	**37.4**		0.200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Manganese	**0.733**		0.0030	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Potassium	**6.17**		0.500	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Sample ID: RTH1150-02RE1 (MW-2 - Water)					**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**			
Total Metals by SW 846 Series Methods										
Barium	**0.687**		0.0020	NR	mg/L	1.00	09/11/10 18:41	MxM	10I0145	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02RE1 (MW-2 - Water) - cont.					**Sampled: 08/19/10 11:35**			**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods - cont.										
Sodium	**4.5**		1.0	NR	mg/L	1.00	09/11/10 18:41	MxM	10I0145	6010B
Sample ID: RTH1150-03 (MW-3 - Water)					**Sampled: 08/19/10 10:00**			**Recvd: 08/20/10 12:40**		
Semivolatile Organics by GC/MS										
Acenaphthene	**0.61**	J	9.4	0.39	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Di-n-butyl phthalate	**0.89**	J, B	9.4	0.29	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Fluorene	**1.7**	J	9.4	0.34	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDE	**0.014**	QSU,J	0.047	0.011	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.011**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Heptachlor	**0.0094**	QSU,J	0.047	0.0080	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Total Metals by SW 846 Series Methods										
Calcium	**239**		0.5	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Iron	**1.69**		0.050	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Magnesium	**26.2**		0.200	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Manganese	**0.866**		0.0030	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Potassium	**3.37**		0.500	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Sample ID: RTH1150-03RE1 (MW-3 - Water)					**Sampled: 08/19/10 10:00**			**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.350**		0.0020	NR	mg/L	1.00	09/11/10 18:43	MxM	10I0145	6010B
Sodium	**5.7**		1.0	NR	mg/L	1.00	09/11/10 18:43	MxM	10I0145	6010B
Sample ID: RTH1150-06 (blind duplicate - Water)					**Sampled: 08/19/10 08:00**			**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**3.2**	J	10	3.0	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
tert-Butylbenzene	**2.9**		1.0	0.81	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
Acenaphthene	**0.61**	J	9.4	0.39	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Di-n-butyl phthalate	**1.0**	J, B	9.4	0.29	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Fluorene	**1.9**	J	9.4	0.34	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.0098**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Total Metals by SW 846 Series Methods										
Calcium	**244**		0.5	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Iron	**1.69**		0.050	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Magnesium	**26.8**		0.200	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Manganese	**0.880**		0.0030	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Potassium	**3.41**		0.500	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06RE1 (blind duplicate - Water)						**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.345**		0.0020	NR	mg/L	1.00	09/11/10 18:58	MxM	10I0145	6010B
Sodium	**5.7**		1.0	NR	mg/L	1.00	09/11/10 18:58	MxM	10I0145	6010B

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Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-1	RTH1150-01	Water	08/19/10 13:50	08/20/10 12:40	P3
MW-2	RTH1150-02	Water	08/19/10 11:35	08/20/10 12:40	P3
MW-3	RTH1150-03	Water	08/19/10 10:00	08/20/10 12:40	P3
blind duplicate	RTH1150-06	Water	08/19/10 08:00	08/20/10 12:40	P3
TRIP BLANK	RTH1150-07	Water	08/19/10	08/20/10 12:40	P3

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Reported: 09/16/10 08:42

Analytical Report

Sample ID: RTH1150-01 (MW-1 - Water) — **Sampled: 08/19/10 13:50** — **Recvd: 08/20/10 12:40**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Acetone	ND		10	3.0	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01 (MW-1 - Water) - cont.						**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**1.7**		1.0	0.81	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1,2-Dichloroethane-d4	*90 %*		*Surr Limits: (66-137%)*				*08/28/10 14:44*	*DHC*	*10H2041*	*8260B*
4-Bromofluorobenzene	*85 %*		*Surr Limits: (73-120%)*				*08/28/10 14:44*	*DHC*	*10H2041*	*8260B*
Toluene-d8	*87 %*		*Surr Limits: (71-126%)*				*08/28/10 14:44*	*DHC*	*10H2041*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
.alpha.,.beta.,.beta.-Trimethylstyrene (000769-57-3)	**5.7**		Ret Time: 10.732		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
1H-Indene, 2,3-dihydro-5,6-dimethyl- (001075-22-5)	**10**		Ret Time: 11.385		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Benzene, (2-methyl-1-butenyl)- (056253-64-6)	**13**		Ret Time: 11.095		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Benzene, 1-(1-methylethenyl)-3-(1-methylethyl) (001129-29-9)	**6.1**		Ret Time: 11.841		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Benzene, 1-methyl-4-(1-methyl-2-propenyl)- (097664-18-1)	**16**		Ret Time: 10.815		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Benzene, pentamethyl- (000700-12-9)	**6.7**		Ret Time: 11.488		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Butane, 2,3-dimethyl- (000079-29-8)	**14**		Ret Time: 2.897		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl- (004175-54-6)	**14**		Ret Time: 11.789		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**11**		Ret Time: 11.022		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**18**		Ret Time: 11.665		ug/L	1.00	08/28/10 14:44	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		24	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4,6-Trichlorophenol	ND		9.5	0.58	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4-Dichlorophenol	ND		9.5	0.48	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4-Dimethylphenol	ND		9.5	0.47	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4-Dinitrophenol	ND		47	2.1	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4-Dinitrotoluene	ND		9.5	0.42	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,6-Dinitrotoluene	ND		9.5	0.38	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2-Chloronaphthalene	ND		9.5	0.44	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1150

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Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01 (MW-1 - Water) - cont.						**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**		
Semivolatile Organics by GC/MS - cont.										
2-Chlorophenol	ND		9.5	0.50	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2-Methylnaphthalene	ND		9.5	0.57	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2-Methylphenol	ND		9.5	0.38	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2-Nitroaniline	ND		47	0.40	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2-Nitrophenol	ND		9.5	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
3-Nitroaniline	ND		47	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4,6-Dinitro-2-methylphenol	ND		47	2.1	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Bromophenyl phenyl ether	ND		9.5	0.43	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Chloro-3-methylphenol	ND		9.5	0.43	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Chloroaniline	ND		9.5	0.56	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Chlorophenyl phenyl ether	ND		9.5	0.33	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Methylphenol	ND		4.7	0.34	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Nitroaniline	ND		47	0.24	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
4-Nitrophenol	ND		47	1.4	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Acenaphthene	ND		9.5	0.39	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Acenaphthylene	ND		9.5	0.36	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Acetophenone	ND		9.5	0.51	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Anthracene	ND		9.5	0.27	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Atrazine	ND		9.5	0.44	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzaldehyde	ND		47	0.25	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzo(a)anthracene	ND		9.5	0.34	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzo(a)pyrene	ND		9.5	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzo(b)fluoranthene	ND		9.5	0.32	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzo(ghi)perylene	ND		9.5	0.33	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Benzo(k)fluoranthene	ND		9.5	0.69	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Biphenyl	ND		9.5	0.62	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Bis(2-chloroethoxy)methane	ND		9.5	0.33	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Bis(2-chloroethyl)ether	ND		9.5	0.38	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,2'-Oxybis(1-Chloropropane)	ND		9.5	0.49	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Bis(2-ethylhexyl) phthalate	ND		9.5	1.7	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Butyl benzyl phthalate	ND		9.5	0.40	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Caprolactam	ND		9.5	2.1	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Chrysene	ND		9.5	0.31	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Dibenzo(a,h)anthracene	ND		9.5	0.40	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Dibenzofuran	ND		9.5	0.48	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Diethyl phthalate	ND		9.5	0.21	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Dimethyl phthalate	ND		9.5	0.34	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Di-n-butyl phthalate	**1.1**	B, J	9.5	0.29	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Di-n-octyl phthalate	ND		9.5	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Fluoranthene	ND		9.5	0.38	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Fluorene	ND		9.5	0.34	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Hexachlorobenzene	ND		9.5	0.48	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Hexachlorobutadiene	ND		9.5	0.64	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01 (MW-1 - Water) - cont.						**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**		
Semivolatile Organics by GC/MS - cont.										
Hexachlorocyclopentadiene	ND		9.5	0.56	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Hexachloroethane	ND		9.5	0.56	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Indeno(1,2,3-cd)pyrene	ND		9.5	0.45	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Isophorone	ND		9.5	0.41	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Naphthalene	ND		9.5	0.72	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Nitrobenzene	ND		9.5	0.27	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
N-Nitrosodi-n-propylamine	ND		9.5	0.51	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
N-Nitrosodiphenylamine	ND		9.5	0.48	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Pentachlorophenol	ND		47	2.1	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Phenanthrene	ND		9.5	0.42	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Phenol	ND		9.5	0.37	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Pyrene	ND		9.5	0.32	ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
2,4,6-Tribromophenol	*124 %*		*Surr Limits: (52-132%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
2-Fluorobiphenyl	*93 %*		*Surr Limits: (48-120%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
2-Fluorophenol	*46 %*		*Surr Limits: (20-120%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
Nitrobenzene-d5	*90 %*		*Surr Limits: (46-120%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
Phenol-d5	*33 %*		*Surr Limits: (16-120%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
p-Terphenyl-d14	*76 %*		*Surr Limits: (24-136%)*				*08/25/10 21:28*	*JLG*	*10H1600*	*8270C*
Semivolatile Organics TICs by GC/MS										
Benzene, 4-(2-butenyl)-1,2-dimethyl-, (E)- (054340-86-2)	**4.6**	T7	Ret Time: 8.27		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl- (004175-54-6)	**9.1**	T7	Ret Time: 8.414		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (001559-81-5)	**5.2**	T7	Ret Time: 7.725		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**7.3**	T7	Ret Time: 7.666		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown01 (none)	**4.2**	T7,B	Ret Time: 7.121		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown02 (none)	**4.1**	T7,B	Ret Time: 7.998		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown03 (none)	**11**	T7,B	Ret Time: 8.222		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown04 (none)	**4.0**	T7,B	Ret Time: 9.237		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown05 (none)	**4.6**	T7,B	Ret Time: 12.827		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown06 (none)	**9.7**	T7,B	Ret Time: 13.591		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown07 (none)	**10**	T7,B	Ret Time: 14.291		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Unknown08 (none)	**4.0**	T7	Ret Time: 8.56		ug/L	1.00	08/25/10 21:28	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QSU	0.047	0.0087	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
4,4'-DDE	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
4,4'-DDT	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Aldrin	ND	QSU	0.047	0.0062	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
alpha-Chlordane	ND	QSU	0.047	0.014	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A

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Work Order: RTH1150

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Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Sample ID: RTH1150-01 (MW-1 - Water) - cont. **Sampled: 08/19/10 13:50** **Recvd: 08/20/10 12:40**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Organochlorine Pesticides by EPA Method 8081A - cont.										
beta-BHC	ND	QSU	0.047	0.023	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Chlordane	ND	QSU	0.47	0.027	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
delta-BHC	ND	QSU	0.047	0.0095	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Dieldrin	ND	QSU	0.047	0.0092	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endosulfan I	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endosulfan II	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endosulfan sulfate	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endrin	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endrin aldehyde	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Endrin ketone	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
gamma-BHC (Lindane)	ND	QSU	0.047	0.0057	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
gamma-Chlordane	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Heptachlor	ND	QSU	0.047	0.0080	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Heptachlor epoxide	ND	QSU	0.047	0.0050	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Methoxychlor	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Toxaphene	ND	QSU	0.47	0.11	ug/L	1.00	08/24/10 14:29	MAN	10H1524	8081A
Decachlorobiphenyl	*47 %*	*QSU*	*Surr Limits: (15-139%)*				*08/24/10 14:29*	*MAN*	*10H1524*	*8081A*
Tetrachloro-m-xylene	*62 %*	*QSU*	*Surr Limits: (30-139%)*				*08/24/10 14:29*	*MAN*	*10H1524*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1221 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1232 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1242 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1248 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1254 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Aroclor 1260 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 17:46	tchro	10H1525	8082
Decachlorobiphenyl [2C]	*48 %*	*QSU*	*Surr Limits: (12-137%)*				*08/26/10 17:46*	*tchro*	*10H1525*	*8082*
Tetrachloro-m-xylene [2C]	*84 %*	*QSU*	*Surr Limits: (35-121%)*				*08/26/10 17:46*	*tchro*	*10H1525*	*8082*
Herbicides										
2,4,5-T	ND		0.47	0.14	ug/L	1.00	08/26/10 21:28	MAN	10H1772	8151A
2,4-D	ND		0.47	0.38	ug/L	1.00	08/26/10 21:28	MAN	10H1772	8151A
Silvex (2,4,5-TP)	ND		0.47	0.34	ug/L	1.00	08/26/10 21:28	MAN	10H1772	8151A
2,4-Dichlorophenylacetic acid	*56 %*		*Surr Limits: (19-128%)*				*08/26/10 21:28*	*MAN*	*10H1772*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Calcium	**184**		0.5	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Copper	ND		0.0100	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Iron	**1.86**		0.050	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01 (MW-1 - Water) - cont.						**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods - cont.										
Lead	ND		0.0050	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Magnesium	**23.8**		0.200	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Manganese	**1.26**		0.0030	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Potassium	**3.63**		0.500	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Silver	ND	B9	0.0030	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	08/29/10 12:56	DAN	10H1629	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	08/27/10 15:50	MxM	10H1947	7470A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-01RE1 (MW-1 - Water)						**Sampled: 08/19/10 13:50**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.270**		0.0020	NR	mg/L	1.00	09/11/10 18:39	MxM	10I0145	6010B
Sodium	**23.1**		1.0	NR	mg/L	1.00	09/11/10 18:39	MxM	10I0145	6010B

Benchmark Environmental & Engineering Science
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Work Order: RTH1150

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Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02 (MW-2 - Water)						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D08	5.0	4.1	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,1,2,2-Tetrachloroethane	ND	D08	5.0	1.1	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,1,2-Trichloroethane	ND	D08	5.0	1.2	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	5.0	1.5	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,1-Dichloroethane	ND	D08	5.0	1.9	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,1-Dichloroethene	ND	D08	5.0	1.5	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2,4-Trichlorobenzene	ND	D08	5.0	2.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2,4-Trimethylbenzene	ND	D08	5.0	3.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dibromo-3-chloropropane	ND	D08	5.0	2.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dibromoethane	ND	D08	5.0	3.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dichlorobenzene	ND	D08	5.0	4.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dichloroethane	ND	D08	5.0	1.1	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dichloropropane	ND	D08	5.0	3.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,3,5-Trimethylbenzene	ND	D08	5.0	3.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,3-Dichlorobenzene	ND	D08	5.0	3.9	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,4-Dichlorobenzene	ND	D08	5.0	4.2	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
2-Butanone	ND	D08	50	6.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
2-Hexanone	ND	D08	25	6.2	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
p-Cymene	ND	D08	5.0	1.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
4-Methyl-2-pentanone	ND	D08	25	10	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Acetone	ND	D08	50	15	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Benzene	ND	D08	5.0	2.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Bromodichloromethane	ND	D08	5.0	1.9	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Bromoform	ND	D08	5.0	1.3	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Bromomethane	ND	D08	5.0	3.4	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Carbon disulfide	ND	D08	5.0	0.97	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Carbon Tetrachloride	ND	D08	5.0	1.3	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Chlorobenzene	ND	D08	5.0	3.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Dibromochloromethane	ND	D08	5.0	1.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Chloroethane	ND	D08	5.0	1.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Chloroform	ND	D08	5.0	1.7	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Chloromethane	ND	D08	5.0	1.7	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
cis-1,2-Dichloroethene	ND	D08	5.0	4.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
cis-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Cyclohexane	ND	D08	5.0	0.90	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Dichlorodifluoromethane	ND	D08	5.0	3.4	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Ethylbenzene	ND	D08	5.0	3.7	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Isopropylbenzene	ND	D08	5.0	4.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Methyl Acetate	ND	D08	5.0	2.5	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	5.0	0.80	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Methylcyclohexane	**260**	D08	5.0	0.80	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Methylene Chloride	ND	D08	5.0	2.2	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
m-Xylene & p-Xylene	ND	D08	10	3.3	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
n-Butylbenzene	ND	D08	5.0	3.2	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
n-Propylbenzene	ND	D08	5.0	3.4	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
o-Xylene	ND	D08	5.0	3.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
sec-Butylbenzene	ND	D08	5.0	3.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Styrene	ND	D08	5.0	3.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02 (MW-2 - Water) - cont.						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D08	5.0	4.0	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Tetrachloroethene	ND	D08	5.0	1.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Toluene	ND	D08	5.0	2.6	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
trans-1,2-Dichloroethene	ND	D08	5.0	4.5	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
trans-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Trichloroethene	ND	D08	5.0	2.3	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Trichlorofluoromethane	ND	D08	5.0	4.4	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Vinyl chloride	ND	D08	5.0	4.5	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Xylenes, total	ND	D08	10	3.3	ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
1,2-Dichloroethane-d4	*93 %*	*D08*	*Surr Limits: (66-137%)*				*08/28/10 15:08*	*DHC*	*10H2041*	*8260B*
4-Bromofluorobenzene	*86 %*	*D08*	*Surr Limits: (73-120%)*				*08/28/10 15:08*	*DHC*	*10H2041*	*8260B*
Toluene-d8	*87 %*	*D08*	*Surr Limits: (71-126%)*				*08/28/10 15:08*	*DHC*	*10H2041*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, (2-methyl-1-butenyl)- (056253-64-6)	**58**	D08	Ret Time: 10.815		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**110**	D08	Ret Time: 10.017		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Benzene, 1-butenyl-, (E)- (001005-64-7)	**48**	D08	Ret Time: 9.789		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Benzene, 1-ethyl-2,4-dimethyl- (000874-41-9)	**140**	D08	Ret Time: 10.411		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Benzene, 4-ethyl-1,2-dimethyl- (000934-80-5)	**110**	D08	Ret Time: 9.685		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**99**	D08	Ret Time: 6.017		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Indane (000496-11-7)	**62**	D08	Ret Time: 9.312		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Isopropylcyclobutane (000872-56-0)	**52**	D08	Ret Time: 4.773		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-5-methyl- (002809-64-5)	**55**	D08	Ret Time: 11.664		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Naphthalene, 2-methyl- (000091-57-6)	**66**	D08	Ret Time: 11.975		ug/L	5.00	08/28/10 15:08	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		24	0.45	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4,6-Trichlorophenol	ND		9.4	0.58	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4-Dichlorophenol	ND		9.4	0.48	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4-Dimethylphenol	ND		9.4	0.47	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4-Dinitrophenol	ND		47	2.1	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4-Dinitrotoluene	ND		9.4	0.42	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,6-Dinitrotoluene	ND		9.4	0.38	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2-Chloronaphthalene	ND		9.4	0.43	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2-Chlorophenol	ND		9.4	0.50	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2-Methylnaphthalene	ND		9.4	0.57	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2-Methylphenol	ND		9.4	0.38	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2-Nitroaniline	ND		47	0.40	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Sample ID: RTH1150-02 (MW-2 - Water) - cont. **Sampled: 08/19/10 11:35** **Recvd: 08/20/10 12:40**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
2-Nitrophenol	ND		9.4	0.45	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
3-Nitroaniline	ND		47	0.45	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4,6-Dinitro-2-methylphenol	ND		47	2.1	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Bromophenyl phenyl ether	ND		9.4	0.42	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Chloro-3-methylphenol	ND		9.4	0.42	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Chloroaniline	ND		9.4	0.56	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Chlorophenyl phenyl ether	ND		9.4	0.33	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Methylphenol	ND		4.7	0.34	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Nitroaniline	ND		47	0.24	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
4-Nitrophenol	ND		47	1.4	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Acenaphthene	ND		9.4	0.39	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Acenaphthylene	ND		9.4	0.36	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Acetophenone	ND		9.4	0.51	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Anthracene	ND		9.4	0.26	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Atrazine	ND		9.4	0.43	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzaldehyde	ND		47	0.25	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzo(a)anthracene	ND		9.4	0.34	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzo(a)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzo(b)fluoranthene	ND		9.4	0.32	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzo(ghi)perylene	ND		9.4	0.33	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzo(k)fluoranthene	ND		9.4	0.69	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Biphenyl	ND		9.4	0.62	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Bis(2-chloroethoxy)methane	ND		9.4	0.33	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Bis(2-chloroethyl)ether	ND		9.4	0.38	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,2'-Oxybis(1-Chloropropane)	ND		9.4	0.49	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Bis(2-ethylhexyl) phthalate	ND		9.4	1.7	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Butyl benzyl phthalate	ND		9.4	0.40	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Caprolactam	ND		9.4	2.1	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Chrysene	ND		9.4	0.31	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Dibenzo(a,h)anthracene	ND		9.4	0.40	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Dibenzofuran	ND		9.4	0.48	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Diethyl phthalate	ND		9.4	0.21	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Dimethyl phthalate	ND		9.4	0.34	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Di-n-butyl phthalate	**1.1**	J, B	9.4	0.29	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Di-n-octyl phthalate	ND		9.4	0.44	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Fluoranthene	ND		9.4	0.38	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Fluorene	**2.7**	J	9.4	0.34	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Hexachlorobenzene	ND		9.4	0.48	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Hexachlorobutadiene	ND		9.4	0.64	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Hexachlorocyclopentadiene	ND		9.4	0.56	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Hexachloroethane	ND		9.4	0.56	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Indeno(1,2,3-cd)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02 (MW-2 - Water) - cont.						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Semivolatile Organics by GC/MS - cont.										
Isophorone	ND		9.4	0.41	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Naphthalene	ND		9.4	0.72	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Nitrobenzene	ND		9.4	0.27	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
N-Nitrosodi-n-propylamine	ND		9.4	0.51	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
N-Nitrosodiphenylamine	ND		9.4	0.48	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Pentachlorophenol	ND		47	2.1	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Phenanthrene	**2.3**	J	9.4	0.42	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Phenol	ND		9.4	0.37	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Pyrene	ND		9.4	0.32	ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
2,4,6-Tribromophenol	*127 %*		*Surr Limits: (52-132%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
2-Fluorobiphenyl	*89 %*		*Surr Limits: (48-120%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
2-Fluorophenol	*44 %*		*Surr Limits: (20-120%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
Nitrobenzene-d5	*89 %*		*Surr Limits: (46-120%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
Phenol-d5	*33 %*		*Surr Limits: (16-120%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
p-Terphenyl-d14	*76 %*		*Surr Limits: (24-136%)*				*08/25/10 21:51*	*JLG*	*10H1600*	*8270C*
Semivolatile Organics TICs by GC/MS										
.alpha.,.beta.,.beta.-Trimethylstyrene (000769-57-3)	**16**	T7	Ret Time: 7.902		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Benzene, 1,2-diethyl- (000135-01-3)	**20**	T7	Ret Time: 6.197		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**17**	T7	Ret Time: 7.667		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Naphthalene, decahydro-, trans- (000493-02-7)	**16**	T7	Ret Time: 6.352		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**36**	T7	Ret Time: 10.605		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**26**	T7	Ret Time: 10.316		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown01 (none)	**19**	T7,B	Ret Time: 5.204		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown02 (none)	**31**	T7,B	Ret Time: 6.091		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown03 (none)	**25**	T7,B	Ret Time: 6.828		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown04 (none)	**44**	T7,B	Ret Time: 7.132		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown05 (none)	**17**	T7,B	Ret Time: 7.56		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown06 (none)	**36**	T7,B	Ret Time: 7.998		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown07 (none)	**23**	T7,B	Ret Time: 8.222		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown08 (none)	**20**	T7	Ret Time: 8.388		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown09 (none)	**32**	T7	Ret Time: 8.425		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown10 (none)	**15**	T7	Ret Time: 8.869		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown11 (none)	**29**	T7	Ret Time: 9.104		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown12 (none)	**28**	T7	Ret Time: 9.242		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown13 (none)	**35**	T7	Ret Time: 9.291		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C
Unknown14 (none)	**23**	T7	Ret Time: 9.868		ug/L	1.00	08/25/10 21:51	JLG	10H1600	8270C

Organochlorine Pesticides by EPA Method 8081A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02 (MW-2 - Water) - cont.						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Organochlorine Pesticides by EPA Method 8081A - cont.										
4,4'-DDD	ND	QSU	0.047	0.0087	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
4,4'-DDE	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
4,4'-DDT	**0.017**	QSU,J	0.047	0.010	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Aldrin	ND	QSU	0.047	0.0062	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
alpha-BHC	**0.018**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
alpha-Chlordane	ND	QSU	0.047	0.014	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
beta-BHC	ND	QSU	0.047	0.023	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Chlordane	ND	QSU	0.47	0.027	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
delta-BHC	ND	QSU	0.047	0.0095	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Dieldrin	ND	QSU	0.047	0.0092	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endosulfan I	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endosulfan II	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endosulfan sulfate	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endrin	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endrin aldehyde	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Endrin ketone	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.0092**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
gamma-Chlordane	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Heptachlor	ND	QSU	0.047	0.0080	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Heptachlor epoxide	ND	QSU	0.047	0.0050	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Methoxychlor	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Toxaphene	ND	QSU	0.47	0.11	ug/L	1.00	08/24/10 07:55	MAN	10H1524	8081A
Decachlorobiphenyl	*38 %*	*QSU*	*Surr Limits: (15-139%)*				*08/24/10 07:55*	*MAN*	*10H1524*	*8081A*
Tetrachloro-m-xylene	*61 %*	*QSU*	*Surr Limits: (30-139%)*				*08/24/10 07:55*	*MAN*	*10H1524*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1221 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1232 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1242 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1248 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1254 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Aroclor 1260 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:05	tchro	10H1525	8082
Decachlorobiphenyl [2C]	*37 %*	*QSU*	*Surr Limits: (12-137%)*				*08/26/10 18:05*	*tchro*	*10H1525*	*8082*
Tetrachloro-m-xylene [2C]	*72 %*	*QSU*	*Surr Limits: (35-121%)*				*08/26/10 18:05*	*tchro*	*10H1525*	*8082*
Herbicides										
2,4,5-T	ND		0.48	0.14	ug/L	1.00	08/26/10 21:57	MAN	10H1772	8151A
2,4-D	ND		0.48	0.38	ug/L	1.00	08/26/10 21:57	MAN	10H1772	8151A
Silvex (2,4,5-TP)	ND		0.48	0.35	ug/L	1.00	08/26/10 21:57	MAN	10H1772	8151A
2,4-Dichlorophenylacetic acid	*38 %*		*Surr Limits: (19-128%)*				*08/26/10 21:57*	*MAN*	*10H1772*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**0.357**		0.200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Arsenic	**0.0214**		0.0100	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02 (MW-2 - Water) - cont.						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods - cont.										
Cadmium	ND		0.0010	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Calcium	**185**		0.5	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Copper	ND		0.0100	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Iron	**17.5**		0.050	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Lead	ND		0.0050	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Magnesium	**37.4**		0.200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Manganese	**0.733**		0.0030	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Potassium	**6.17**		0.500	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Silver	ND	B9	0.0030	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	08/29/10 13:01	DAN	10H1629	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	08/27/10 15:52	MxM	10H1947	7470A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-02RE1 (MW-2 - Water)						**Sampled: 08/19/10 11:35**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.687**		0.0020	NR	mg/L	1.00	09/11/10 18:41	MxM	10I0145	6010B
Sodium	**4.5**		1.0	NR	mg/L	1.00	09/11/10 18:41	MxM	10I0145	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03 (MW-3 - Water)						**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D03	10	8.2	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,1,2,2-Tetrachloroethane	ND	D03	10	2.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,1,2-Trichloroethane	ND	D03	10	2.3	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	10	3.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,1-Dichloroethane	ND	D03	10	3.8	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,1-Dichloroethene	ND	D03	10	2.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2,4-Trichlorobenzene	ND	D03	10	4.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2,4-Trimethylbenzene	ND	D03	10	7.5	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dibromo-3-chloropropane	ND	D03	10	3.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dibromoethane	ND	D03	10	7.3	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dichlorobenzene	ND	D03	10	7.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dichloroethane	ND	D03	10	2.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dichloropropane	ND	D03	10	7.2	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,3,5-Trimethylbenzene	ND	D03	10	7.7	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,3-Dichlorobenzene	ND	D03	10	7.8	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,4-Dichlorobenzene	ND	D03	10	8.4	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
2-Butanone	ND	D03	100	13	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
2-Hexanone	ND	D03	50	12	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
p-Cymene	ND	D03	10	3.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
4-Methyl-2-pentanone	ND	D03	50	21	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Acetone	ND	D03	100	30	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Benzene	ND	D03	10	4.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Bromodichloromethane	ND	D03	10	3.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Bromoform	ND	D03	10	2.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Bromomethane	ND	D03	10	6.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Carbon disulfide	ND	D03	10	1.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Carbon Tetrachloride	ND	D03	10	2.7	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Chlorobenzene	ND	D03	10	7.5	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Dibromochloromethane	ND	D03	10	3.2	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Chloroethane	ND	D03	10	3.2	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Chloroform	ND	D03	10	3.4	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Chloromethane	ND	D03	10	3.5	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
cis-1,2-Dichloroethene	ND	D03	10	8.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
cis-1,3-Dichloropropene	ND	D03	10	3.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Cyclohexane	ND	D03	10	1.8	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Dichlorodifluoromethane	ND	D03	10	6.8	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Ethylbenzene	ND	D03	10	7.4	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Isopropylbenzene	ND	D03	10	7.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Methyl Acetate	ND	D03	10	5.0	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	10	1.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Methylcyclohexane	ND	D03	10	1.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Methylene Chloride	ND	D03	10	4.4	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
m-Xylene & p-Xylene	ND	D03	20	6.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
n-Butylbenzene	ND	D03	10	6.4	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
n-Propylbenzene	ND	D03	10	6.9	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
o-Xylene	ND	D03	10	7.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
sec-Butylbenzene	ND	D03	10	7.5	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Styrene	ND	D03	10	7.3	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03 (MW-3 - Water) - cont.						**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	10	8.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Tetrachloroethene	ND	D03	10	3.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Toluene	ND	D03	10	5.1	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
trans-1,2-Dichloroethene	ND	D03	10	9.0	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
trans-1,3-Dichloropropene	ND	D03	10	3.7	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Trichloroethene	ND	D03	10	4.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Trichlorofluoromethane	ND	D03	10	8.8	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Vinyl chloride	ND	D03	10	9.0	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Xylenes, total	ND	D03	20	6.6	ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
1,2-Dichloroethane-d4	*92 %*	*D03*	*Surr Limits: (66-137%)*				*08/28/10 15:31*	*DHC*	*10H2041*	*8260B*
4-Bromofluorobenzene	*88 %*	*D03*	*Surr Limits: (73-120%)*				*08/28/10 15:31*	*DHC*	*10H2041*	*8260B*
Toluene-d8	*87 %*	*D03*	*Surr Limits: (71-126%)*				*08/28/10 15:31*	*DHC*	*10H2041*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND	D03			ug/L	10.0	08/28/10 15:31	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		24	0.45	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4,6-Trichlorophenol	ND		9.4	0.58	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4-Dichlorophenol	ND		9.4	0.48	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4-Dimethylphenol	ND		9.4	0.47	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4-Dinitrophenol	ND		47	2.1	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4-Dinitrotoluene	ND		9.4	0.42	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,6-Dinitrotoluene	ND		9.4	0.38	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Chloronaphthalene	ND		9.4	0.43	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Chlorophenol	ND		9.4	0.50	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Methylnaphthalene	ND		9.4	0.57	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Methylphenol	ND		9.4	0.38	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Nitroaniline	ND		47	0.40	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2-Nitrophenol	ND		9.4	0.45	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
3-Nitroaniline	ND		47	0.45	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4,6-Dinitro-2-methylphenol	ND		47	2.1	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Bromophenyl phenyl ether	ND		9.4	0.42	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Chloro-3-methylphenol	ND		9.4	0.42	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Chloroaniline	ND		9.4	0.56	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Chlorophenyl phenyl ether	ND		9.4	0.33	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Methylphenol	ND		4.7	0.34	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Nitroaniline	ND		47	0.24	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
4-Nitrophenol	ND		47	1.4	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Acenaphthene	**0.61**	J	9.4	0.39	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Acenaphthylene	ND		9.4	0.36	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Acetophenone	ND		9.4	0.51	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Anthracene	ND		9.4	0.26	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Atrazine	ND		9.4	0.43	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Benzaldehyde	ND		47	0.25	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Benzo(a)anthracene	ND		9.4	0.34	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03 (MW-3 - Water) - cont.						**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Benzo(b)fluoranthene	ND		9.4	0.32	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Benzo(ghi)perylene	ND		9.4	0.33	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Benzo(k)fluoranthene	ND		9.4	0.69	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Biphenyl	ND		9.4	0.62	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Bis(2-chloroethoxy)methane	ND		9.4	0.33	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Bis(2-chloroethyl)ether	ND		9.4	0.38	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,2'-Oxybis(1-Chloropropane)	ND		9.4	0.49	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Bis(2-ethylhexyl) phthalate	ND		9.4	1.7	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Butyl benzyl phthalate	ND		9.4	0.40	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Caprolactam	ND		9.4	2.1	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Chrysene	ND		9.4	0.31	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Dibenzo(a,h)anthracene	ND		9.4	0.40	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Dibenzofuran	ND		9.4	0.48	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Diethyl phthalate	ND		9.4	0.21	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Dimethyl phthalate	ND		9.4	0.34	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Di-n-butyl phthalate	**0.89**	J, B	9.4	0.29	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Di-n-octyl phthalate	ND		9.4	0.44	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Fluoranthene	ND		9.4	0.38	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Fluorene	**1.7**	J	9.4	0.34	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Hexachlorobenzene	ND		9.4	0.48	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Hexachlorobutadiene	ND		9.4	0.64	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Hexachlorocyclopentadiene	ND		9.4	0.56	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Hexachloroethane	ND		9.4	0.56	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Indeno(1,2,3-cd)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Isophorone	ND		9.4	0.41	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Naphthalene	ND		9.4	0.72	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Nitrobenzene	ND		9.4	0.27	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
N-Nitrosodi-n-propylamine	ND		9.4	0.51	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
N-Nitrosodiphenylamine	ND		9.4	0.48	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Pentachlorophenol	ND		47	2.1	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Phenanthrene	ND		9.4	0.42	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Phenol	ND		9.4	0.37	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Pyrene	ND		9.4	0.32	ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
2,4,6-Tribromophenol	*129 %*		*Surr Limits: (52-132%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
2-Fluorobiphenyl	*89 %*		*Surr Limits: (48-120%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
2-Fluorophenol	*44 %*		*Surr Limits: (20-120%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
Nitrobenzene-d5	*87 %*		*Surr Limits: (46-120%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
Phenol-d5	*34 %*		*Surr Limits: (16-120%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
p-Terphenyl-d14	*87 %*		*Surr Limits: (24-136%)*				*08/25/10 22:14*	*JLG*	*10H1600*	*8270C*
Semivolatile Organics TICs by GC/MS										
Benzene, (2-methyl-1-butenyl)- (056253-64-6)	**5.0**	T7	Ret Time: 7.506		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
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Received: 08/20/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03 (MW-3 - Water) - cont.						**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**		
Semivolatile Organics TICs by GC/MS - cont.										
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**4.1**	T7	Ret Time: 7.677		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown01 (none)	**6.1**	T7,B	Ret Time: 4.675		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown02 (none)	**4.8**	T7,B	Ret Time: 6.924		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown03 (none)	**7.2**	T7,B	Ret Time: 7.736		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown04 (none)	**4.2**	T7,B	Ret Time: 8.008		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown05 (none)	**4.4**	T7,B	Ret Time: 8.046		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown06 (none)	**7.3**	T7,B	Ret Time: 8.12		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown07 (none)	**4.9**	T7,B	Ret Time: 8.227		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown08 (none)	**4.7**	T7	Ret Time: 8.35		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown09 (none)	**4.1**	T7	Ret Time: 8.398		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown10 (none)	**5.6**	T7	Ret Time: 8.425		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown11 (none)	**6.1**	T7	Ret Time: 8.612		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown12 (none)	**7.6**	T7	Ret Time: 9.114		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown13 (none)	**6.1**	T7	Ret Time: 9.146		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown14 (none)	**8.3**	T7	Ret Time: 9.274		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown15 (none)	**4.8**	T7	Ret Time: 12.832		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown16 (none)	**7.4**	T7,B	Ret Time: 13.596		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Unknown17 (none)	**9.1**	T7,B	Ret Time: 14.301		ug/L	1.00	08/25/10 22:14	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QSU	0.047	0.0087	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
4,4'-DDE	**0.014**	QSU,J	0.047	0.011	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
4,4'-DDT	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Aldrin	ND	QSU	0.047	0.0062	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
alpha-Chlordane	ND	QSU	0.047	0.014	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
beta-BHC	ND	QSU	0.047	0.023	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Chlordane	ND	QSU	0.47	0.027	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
delta-BHC	ND	QSU	0.047	0.0095	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Dieldrin	ND	QSU	0.047	0.0092	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endosulfan I	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endosulfan II	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endosulfan sulfate	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endrin	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endrin aldehyde	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Endrin ketone	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.011**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
gamma-Chlordane	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Heptachlor	**0.0094**	QSU,J	0.047	0.0080	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Heptachlor epoxide	ND	QSU	0.047	0.0050	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Methoxychlor	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Toxaphene	ND	QSU	0.47	0.11	ug/L	1.00	08/24/10 15:05	MAN	10H1524	8081A
Decachlorobiphenyl	*59 %*	*QSU*	*Surr Limits: (15-139%)*				*08/24/10 15:05*	*MAN*	*10H1524*	*8081A*
Tetrachloro-m-xylene	*67 %*	*QSU*	*Surr Limits: (30-139%)*				*08/24/10 15:05*	*MAN*	*10H1524*	*8081A*

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03 (MW-3 - Water) - cont.							**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**	
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1221 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1232 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1242 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1248 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1254 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Aroclor 1260 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:23	tchro	10H1525	8082
Decachlorobiphenyl [2C]	*62 %*	*QSU*	*Surr Limits: (12-137%)*				*08/26/10 18:23*	*tchro*	*10H1525*	*8082*
Tetrachloro-m-xylene [2C]	*81 %*	*QSU*	*Surr Limits: (35-121%)*				*08/26/10 18:23*	*tchro*	*10H1525*	*8082*
Herbicides										
2,4,5-T	ND		0.47	0.14	ug/L	1.00	08/26/10 22:56	MAN	10H1772	8151A
2,4-D	ND		0.47	0.38	ug/L	1.00	08/26/10 22:56	MAN	10H1772	8151A
Silvex (2,4,5-TP)	ND		0.47	0.34	ug/L	1.00	08/26/10 22:56	MAN	10H1772	8151A
2,4-Dichlorophenylacetic acid	*48 %*		*Surr Limits: (19-128%)*				*08/26/10 22:56*	*MAN*	*10H1772*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Calcium	**239**		0.5	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Copper	ND		0.0100	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Iron	**1.69**		0.050	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Lead	ND		0.0050	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Magnesium	**26.2**		0.200	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Manganese	**0.866**		0.0030	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Potassium	**3.37**		0.500	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Silver	ND	B9	0.0030	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	08/29/10 13:06	DAN	10H1629	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	08/27/10 15:54	MxM	10H1947	7470A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-03RE1 (MW-3 - Water)						**Sampled: 08/19/10 10:00**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.350**		0.0020	NR	mg/L	1.00	09/11/10 18:43	MxM	10I0145	6010B
Sodium	**5.7**		1.0	NR	mg/L	1.00	09/11/10 18:43	MxM	10I0145	6010B

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Received: 08/20/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06 (blind duplicate - Water)						**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Acetone	**3.2**	J	10	3.0	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06 (blind duplicate - Water) - cont.						**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.9**		1.0	0.81	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1,2-Dichloroethane-d4	*94 %*		*Surr Limits: (66-137%)*				*08/28/10 16:43*	*DHC*	*10H2041*	*8260B*
4-Bromofluorobenzene	*89 %*		*Surr Limits: (73-120%)*				*08/28/10 16:43*	*DHC*	*10H2041*	*8260B*
Toluene-d8	*89 %*		*Surr Limits: (71-126%)*				*08/28/10 16:43*	*DHC*	*10H2041*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
.alpha.,.beta.,.beta.-Trimethylstyrene (000769-57-3)	**6.8**		Ret Time: 10.732		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1H-Indene, 2,3-dihydro-4,7-dimethyl- (01) (006682-71-9)	**17**		Ret Time: 10.815		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
1H-Indene, 2,3-dihydro-4,7-dimethyl- (02) (006682-71-9)	**8.6**		Ret Time: 11.384		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Benzene, (2-methyl-1-butenyl)- (056253-64-6)	**11**		Ret Time: 11.094		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Cyclohexane, 1,2-dimethyl- (000583-57-3)	**6.8**		Ret Time: 6.296		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-2,6-dimethyl- (007524-63-2)	**10**		Ret Time: 11.789		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**7.1**		Ret Time: 11.022		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**9.5**		Ret Time: 11.664		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Unknown01 (none)	**8.3**		Ret Time: 5.47		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Unknown02 (none)	**8.2**		Ret Time: 7.38		ug/L	1.00	08/28/10 16:43	DHC	10H2041	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		24	0.45	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4,6-Trichlorophenol	ND		9.4	0.58	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4-Dichlorophenol	ND		9.4	0.48	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4-Dimethylphenol	ND		9.4	0.47	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4-Dinitrophenol	ND		47	2.1	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4-Dinitrotoluene	ND		9.4	0.42	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,6-Dinitrotoluene	ND		9.4	0.38	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2-Chloronaphthalene	ND		9.4	0.43	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2-Chlorophenol	ND		9.4	0.50	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2-Methylnaphthalene	ND		9.4	0.57	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2-Methylphenol	ND		9.4	0.38	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C

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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Sample ID: RTH1150-06 (blind duplicate - Water) - cont. **Sampled: 08/19/10 08:00** **Recvd: 08/20/10 12:40**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
2-Nitroaniline	ND		47	0.40	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2-Nitrophenol	ND		9.4	0.45	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
3-Nitroaniline	ND		47	0.45	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4,6-Dinitro-2-methylphenol	ND		47	2.1	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Bromophenyl phenyl ether	ND		9.4	0.42	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Chloro-3-methylphenol	ND		9.4	0.42	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Chloroaniline	ND		9.4	0.56	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Chlorophenyl phenyl ether	ND		9.4	0.33	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Methylphenol	ND		4.7	0.34	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Nitroaniline	ND		47	0.24	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
4-Nitrophenol	ND		47	1.4	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Acenaphthene	**0.61**	J	9.4	0.39	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Acenaphthylene	ND		9.4	0.36	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Acetophenone	ND		9.4	0.51	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Anthracene	ND		9.4	0.26	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Atrazine	ND		9.4	0.43	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzaldehyde	ND		47	0.25	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzo(a)anthracene	ND		9.4	0.34	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzo(a)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzo(b)fluoranthene	ND		9.4	0.32	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzo(ghi)perylene	ND		9.4	0.33	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzo(k)fluoranthene	ND		9.4	0.69	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Biphenyl	ND		9.4	0.62	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Bis(2-chloroethoxy)methane	ND		9.4	0.33	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Bis(2-chloroethyl)ether	ND		9.4	0.38	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,2'-Oxybis(1-Chloropropane)	ND		9.4	0.49	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Bis(2-ethylhexyl) phthalate	ND		9.4	1.7	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Butyl benzyl phthalate	ND		9.4	0.40	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Caprolactam	ND		9.4	2.1	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Chrysene	ND		9.4	0.31	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Dibenzo(a,h)anthracene	ND		9.4	0.40	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Dibenzofuran	ND		9.4	0.48	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Diethyl phthalate	ND		9.4	0.21	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Dimethyl phthalate	ND		9.4	0.34	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Di-n-butyl phthalate	**1.0**	J, B	9.4	0.29	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Di-n-octyl phthalate	ND		9.4	0.44	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Fluoranthene	ND		9.4	0.38	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Fluorene	**1.9**	J	9.4	0.34	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Hexachlorobenzene	ND		9.4	0.48	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Hexachlorobutadiene	ND		9.4	0.64	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Hexachlorocyclopentadiene	ND		9.4	0.56	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Hexachloroethane	ND		9.4	0.56	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06 (blind duplicate - Water) - cont.							**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**	
Semivolatile Organics by GC/MS - cont.										
Indeno(1,2,3-cd)pyrene	ND		9.4	0.44	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Isophorone	ND		9.4	0.41	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Naphthalene	ND		9.4	0.72	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Nitrobenzene	ND		9.4	0.27	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
N-Nitrosodi-n-propylamine	ND		9.4	0.51	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
N-Nitrosodiphenylamine	ND		9.4	0.48	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Pentachlorophenol	ND		47	2.1	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Phenanthrene	ND		9.4	0.42	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Phenol	ND		9.4	0.37	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Pyrene	ND		9.4	0.32	ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
2,4,6-Tribromophenol	*127 %*		*Surr Limits: (52-132%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
2-Fluorobiphenyl	*93 %*		*Surr Limits: (48-120%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
2-Fluorophenol	*50 %*		*Surr Limits: (20-120%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
Nitrobenzene-d5	*95 %*		*Surr Limits: (46-120%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
Phenol-d5	*36 %*		*Surr Limits: (16-120%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
p-Terphenyl-d14	*81 %*		*Surr Limits: (24-136%)*				*08/25/10 22:37*	*JLG*	*10H1600*	*8270C*
Semivolatile Organics TICs by GC/MS										
Benzene, (2-methyl-1-butenyl)-(056253-64-6)	**7.6**	T7	Ret Time: 7.731		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Benzene, (2-methylpropyl)-(000538-93-2)	**4.7**	T7	Ret Time: 5.818		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Hexadecanoic acid, butyl ester (000111-06-8)	**29**	T7	Ret Time: 12.48		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (013065-07-1)	**6.1**	T7	Ret Time: 8.425		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Octadecanoic acid, butyl ester (000123-95-5)	**29**	T7	Ret Time: 13.089		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown 15 (none)	**11**	T7	Ret Time: 14.3		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown01 (none)	**6.8**	T7,B	Ret Time: 4.68		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown02 (none)	**5.1**	T7,B	Ret Time: 6.924		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown03 (none)	**4.8**	T7,B	Ret Time: 7.677		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown04 (none)	**4.3**	T7,B	Ret Time: 8.04		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown05 (none)	**7.5**	T7,B	Ret Time: 8.121		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown06 (none)	**5.0**	T7,B	Ret Time: 8.227		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown07 (none)	**5.0**	T7,B	Ret Time: 8.345		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown08 (none)	**4.8**	T7	Ret Time: 8.404		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown09 (none)	**5.8**	T7	Ret Time: 8.607		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown10 (none)	**7.3**	T7	Ret Time: 9.12		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown11 (none)	**6.1**	T7	Ret Time: 9.146		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown12 (none)	**8.4**	T7	Ret Time: 9.269		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown13 (none)	**6.6**	T7	Ret Time: 9.344		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Unknown14 (none)	**7.8**	T7,B	Ret Time: 13.596		ug/L	1.00	08/25/10 22:37	JLG	10H1600	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QSU	0.047	0.0087	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06 (blind duplicate - Water) - cont.						**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**		
Organochlorine Pesticides by EPA Method 8081A - cont.										
4,4'-DDE	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
4,4'-DDT	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Aldrin	ND	QSU	0.047	0.0062	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
alpha-BHC	**0.016**	QSU,J	0.047	0.0062	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
alpha-Chlordane	ND	QSU	0.047	0.014	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
beta-BHC	ND	QSU	0.047	0.023	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Chlordane	ND	QSU	0.47	0.027	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
delta-BHC	ND	QSU	0.047	0.0095	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Dieldrin	ND	QSU	0.047	0.0092	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endosulfan I	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endosulfan II	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endosulfan sulfate	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endrin	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endrin aldehyde	ND	QSU	0.047	0.015	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Endrin ketone	ND	QSU	0.047	0.011	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
gamma-BHC (Lindane)	**0.0098**	QSU,J	0.047	0.0057	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
gamma-Chlordane	ND	QSU	0.047	0.010	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Heptachlor	ND	QSU	0.047	0.0080	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Heptachlor epoxide	ND	QSU	0.047	0.0050	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Methoxychlor	ND	QSU	0.047	0.013	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Toxaphene	ND	QSU	0.47	0.11	ug/L	1.00	08/24/10 10:19	MAN	10H1524	8081A
Decachlorobiphenyl	*53 %*	*QSU*	*Surr Limits: (15-139%)*				*08/24/10 10:19*	*MAN*	*10H1524*	*8081A*
Tetrachloro-m-xylene	*66 %*	*QSU*	*Surr Limits: (30-139%)*				*08/24/10 10:19*	*MAN*	*10H1524*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1221 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1232 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1242 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1248 [2C]	ND	QSU	0.47	0.17	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1254 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Aroclor 1260 [2C]	ND	QSU	0.47	0.24	ug/L	1.00	08/26/10 18:41	tchro	10H1525	8082
Decachlorobiphenyl [2C]	*51 %*	*QSU*	*Surr Limits: (12-137%)*				*08/26/10 18:41*	*tchro*	*10H1525*	*8082*
Tetrachloro-m-xylene [2C]	*80 %*	*QSU*	*Surr Limits: (35-121%)*				*08/26/10 18:41*	*tchro*	*10H1525*	*8082*
Herbicides										
2,4,5-T	ND		0.47	0.14	ug/L	1.00	08/26/10 23:26	MAN	10H1772	8151A
2,4-D	ND		0.47	0.38	ug/L	1.00	08/26/10 23:26	MAN	10H1772	8151A
Silvex (2,4,5-TP)	ND		0.47	0.34	ug/L	1.00	08/26/10 23:26	MAN	10H1772	8151A
2,4-Dichlorophenylacetic acid	*44 %*		*Surr Limits: (19-128%)*				*08/26/10 23:26*	*MAN*	*10H1772*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06 (blind duplicate - Water) - cont.							**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**	
Total Metals by SW 846 Series Methods - cont.										
Calcium	**244**		0.5	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Copper	ND		0.0100	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Iron	**1.69**		0.050	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Lead	ND		0.0050	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Magnesium	**26.8**		0.200	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Manganese	**0.880**		0.0030	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Potassium	**3.41**		0.500	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Silver	ND	B9	0.0030	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	08/29/10 13:30	DAN	10H1629	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	08/27/10 16:00	MxM	10H1947	7470A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-06RE1 (blind duplicate - Water)						**Sampled: 08/19/10 08:00**		**Recvd: 08/20/10 12:40**		
Total Metals by SW 846 Series Methods										
Barium	**0.345**		0.0020	NR	mg/L	1.00	09/11/10 18:58	MxM	10I0145	6010B
Sodium	**5.7**		1.0	NR	mg/L	1.00	09/11/10 18:58	MxM	10I0145	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-07 (TRIP BLANK - Water)						**Sampled: 08/19/10**			**Recvd: 08/20/10 12:40**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Acetone	ND		10	3.0	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1150-07 (TRIP BLANK - Water) - cont.						**Sampled: 08/19/10**			**Recvd: 08/20/10 12:40**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (66-137%)*				*08/28/10 17:06*	*DHC*	*10H2041*	*8260B*
4-Bromofluorobenzene	*82 %*		*Surr Limits: (73-120%)*				*08/28/10 17:06*	*DHC*	*10H2041*	*8260B*
Toluene-d8	*80 %*		*Surr Limits: (71-126%)*				*08/28/10 17:06*	*DHC*	*10H2041*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/L	1.00	08/28/10 17:06	DHC	10H2041	8260B

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Received: 08/20/10
Reported: 09/16/10 08:42

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Herbicides									
8151A	10H1772	RTH1150-02	1,040.00	mL	10.00	mL	08/25/10 17:00	LTT	8151A Aq. Prep
8151A	10H1772	RTH1150-06	1,055.00	mL	10.00	mL	08/25/10 17:00	LTT	8151A Aq. Prep
8151A	10H1772	RTH1150-01	1,060.00	mL	10.00	mL	08/25/10 17:00	LTT	8151A Aq. Prep
8151A	10H1772	RTH1150-03	1,060.00	mL	10.00	mL	08/25/10 17:00	LTT	8151A Aq. Prep
Organochlorine Pesticides by EPA Method 8081A									
8081A	10H1524	RTH1150-01	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8081A	10H1524	RTH1150-02	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8081A	10H1524	RTH1150-03	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8081A	10H1524	RTH1150-06	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
Polychlorinated Biphenyls by EPA Method 8082									
8082	10H1525	RTH1150-01	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8082	10H1525	RTH1150-02	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8082	10H1525	RTH1150-03	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
8082	10H1525	RTH1150-06	1,060.00	mL	10.00	mL	08/23/10 14:00	CXM	3510C GC
Semivolatile Organics by GC/MS									
8270C	10H1600	RTH1150-01	1,055.00	mL	1.00	mL	08/23/10 17:00	BWM	3510C MB
8270C	10H1600	RTH1150-02	1,060.00	mL	1.00	mL	08/23/10 17:00	BWM	3510C MB
8270C	10H1600	RTH1150-03	1,060.00	mL	1.00	mL	08/23/10 17:00	BWM	3510C MB
8270C	10H1600	RTH1150-06	1,060.00	mL	1.00	mL	08/23/10 17:00	BWM	3510C MB
Semivolatile Organics TICs by GC/MS									
8270C	10H1600	RTH1150-01	1,055.00	mL	1.00	mL	08/23/10 17:00	SMS	3510C MB
8270C	10H1600	RTH1150-02	1,060.00	mL	1.00	mL	08/23/10 17:00	SMS	3510C MB
8270C	10H1600	RTH1150-03	1,060.00	mL	1.00	mL	08/23/10 17:00	SMS	3510C MB
8270C	10H1600	RTH1150-06	1,060.00	mL	1.00	mL	08/23/10 17:00	SMS	3510C MB
Tentatively Identified Compounds by EPA 8260B									
8260B	10H2041	RTH1150-01	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-02	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-03	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-06	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-07	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
Total Metals by SW 846 Series Methods									
6010B	10H1629	RTH1150-01	50.00	mL	50.00	mL	08/24/10 10:20	JRK	3005A
6010B	10H1629	RTH1150-02	50.00	mL	50.00	mL	08/24/10 10:20	JRK	3005A
6010B	10H1629	RTH1150-03	50.00	mL	50.00	mL	08/24/10 10:20	JRK	3005A
6010B	10I0145	RTH1150-03RE1	50.00	mL	50.00	mL	08/24/10 10:20	JRK	3005A
6010B	10H1629	RTH1150-06	50.00	mL	50.00	mL	08/24/10 10:20	JRK	3005A
6010B	10I0145	RTH1150-01RE1	50.00	mL	50.00	mL	09/03/10 11:50	MDM	3005A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
6010B	10I0145	RTH1150-02RE'	50.00	mL	50.00	mL	09/03/10 11:50	MDM	3005A
6010B	10I0145	RTH1150-03RE'	50.00	mL	50.00	mL	09/03/10 11:50	MDM	3005A
6010B	10I0145	RTH1150-06RE'	50.00	mL	50.00	mL	09/03/10 11:50	MDM	3005A
6010B	10I0145	RTH1150-01RE'	50.00	mL	50.00	mL	09/03/10 11:50	MXM	3005A
6010B	10I0145	RTH1150-02RE'	50.00	mL	50.00	mL	09/03/10 11:50	MXM	3005A
6010B	10I0145	RTH1150-06RE'	50.00	mL	50.00	mL	09/03/10 11:50	MXM	3005A
7470A	10H1947	RTH1150-01	30.00	mL	50.00	mL	08/27/10 14:10	MXM	7470A
7470A	10H1947	RTH1150-02	30.00	mL	50.00	mL	08/27/10 14:10	MXM	7470A
7470A	10H1947	RTH1150-03	30.00	mL	50.00	mL	08/27/10 14:10	MXM	7470A
7470A	10H1947	RTH1150-06	30.00	mL	50.00	mL	08/27/10 14:10	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10H2041	RTH1150-01	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-02	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-03	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-06	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS
8260B	10H2041	RTH1150-07	5.00	mL	5.00	mL	08/28/10 11:59	DHC	5030B MS

Benchmark Environmental & Engineering Science
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Work Order: RTH1150

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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2041-BLK1, Batch: 10H2041)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone			10	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND					
Acetone			10	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Dibromochloromethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2041-BLK1, Batch: 10H2041)											
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*89*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*85*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*86*	*71-126*			
LCS Analyzed: 08/28/10 (Lab Number:10H2041-BS1, Batch: 10H2041)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	23.2	93	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	22.7	91	65-138			
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	22.3	89	76-121			
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134			

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Received: 08/20/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/28/10 (Lab Number:10H2041-BS1, Batch: 10H2041)											
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	23.1	92	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	24.2	97	75-127			
1,2-Dichloropropane			1.0	0.72	ug/L	ND		76-120			
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Hexanone			5.0	1.2	ug/L	ND		65-127			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND		71-125			
Acetone			10	3.0	ug/L	ND		56-142			
Benzene		25.0	1.0	0.41	ug/L	21.9	88	71-124			
Bromodichloromethane			1.0	0.39	ug/L	ND		80-122			
Bromoform			1.0	0.26	ug/L	ND		66-128			
Bromomethane			1.0	0.69	ug/L	ND		36-150			
Carbon disulfide			1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	22.9	92	72-120			
Dibromochloromethane			1.0	0.32	ug/L	ND		75-125			
Chloroethane			1.0	0.32	ug/L	ND		69-136			
Chloroform			1.0	0.34	ug/L	ND		73-127			
Chloromethane			1.0	0.35	ug/L	ND		49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	21.6	86	74-124			
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	22.8	91	77-123			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	23.4	94	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	ND		57-132			
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	46.8	94	76-122			
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Xylene		25.0	1.0	0.76	ug/L	22.8	91	76-122			

Benchmark Environmental & Engineering Science
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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/28/10 (Lab Number:10H2041-BS1, Batch: 10H2041)											
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			1.0	0.73	ug/L	ND		70-130			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	22.6	91	74-122			
Toluene		25.0	1.0	0.51	ug/L	21.5	86	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	21.6	87	73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	22.6	90	74-123			
Trichlorofluoromethane			1.0	0.88	ug/L	ND		62-152			
Vinyl chloride			1.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	69.6	93	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*89*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*84*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*84*	*71-126*			
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2041-MS1, Batch: 10H2041)											
QC Source Sample: RTH1150-03											
1,1,1-Trichloroethane	ND		10	8.2	ug/L	ND		73-126			D03
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L	ND		70-126			D03
1,1,2-Trichloroethane	ND		10	2.3	ug/L	ND		76-122			D03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L	ND		60-140			D03
1,1-Dichloroethane	ND	250	10	3.8	ug/L	251	100	71-129			D03
1,1-Dichloroethene	ND	250	10	2.9	ug/L	250	100	65-138			D03
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L	ND		70-122			D03
1,2,4-Trimethylbenzene	ND	250	10	7.5	ug/L	230	92	76-121			D03
1,2-Dibromo-3-chloropropane	ND		10	3.9	ug/L	ND		56-134			D03
1,2-Dibromoethane	ND		10	7.3	ug/L	ND		77-120			D03
1,2-Dichlorobenzene	ND	250	10	7.9	ug/L	234	94	77-120			D03
1,2-Dichloroethane	ND	250	10	2.1	ug/L	250	100	75-127			D03
1,2-Dichloropropane	ND		10	7.2	ug/L	ND		76-120			D03
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L	ND		77-121			D03
1,3-Dichlorobenzene	ND		10	7.8	ug/L	ND		77-120			D03
1,4-Dichlorobenzene	ND		10	8.4	ug/L	ND		75-120			D03
2-Butanone	ND		100	13	ug/L	ND		57-140			D03
2-Hexanone	ND		50	12	ug/L	ND		65-127			D03

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Received: 08/20/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2041-MS1, Batch: 10H2041)											
QC Source Sample: RTH1150-03											
p-Cymene	ND		10	3.1	ug/L	ND		73-120			D03
4-Methyl-2-pentanone	ND		50	21	ug/L	ND		71-125			D03
Acetone	ND		100	30	ug/L	ND		56-142			D03
Benzene	ND	250	10	4.1	ug/L	242	97	71-124			D03
Bromodichloromethane	ND		10	3.9	ug/L	ND		80-122			D03
Bromoform	ND		10	2.6	ug/L	ND		66-128			D03
Bromomethane	ND		10	6.9	ug/L	ND		36-150			D03
Carbon disulfide	ND		10	1.9	ug/L	ND		59-134			D03
Carbon Tetrachloride	ND		10	2.7	ug/L	ND		72-134			D03
Chlorobenzene	ND	250	10	7.5	ug/L	244	97	72-120			D03
Dibromochloromethane	ND		10	3.2	ug/L	ND		75-125			D03
Chloroethane	ND		10	3.2	ug/L	ND		69-136			D03
Chloroform	ND		10	3.4	ug/L	ND		73-127			D03
Chloromethane	ND		10	3.5	ug/L	ND		49-142			D03
cis-1,2-Dichloroethene	ND	250	10	8.1	ug/L	235	94	74-124			D03
cis-1,3-Dichloropropene	ND		10	3.6	ug/L	ND		74-124			D03
Cyclohexane	ND		10	1.8	ug/L	ND		70-130			D03
Dichlorodifluoromethane	ND		10	6.8	ug/L	ND		33-157			D03
Ethylbenzene	ND	250	10	7.4	ug/L	244	98	77-123			D03
Isopropylbenzene	ND		10	7.9	ug/L	ND		77-122			D03
Methyl Acetate	ND		10	5.0	ug/L	ND		60-140			D03
Methyl-t-Butyl Ether (MTBE)	ND	250	10	1.6	ug/L	248	99	64-127			D03
Methylcyclohexane	ND		10	1.6	ug/L	ND		60-140			D03
Methylene Chloride	ND		10	4.4	ug/L	ND		57-132			D03
m-Xylene & p-Xylene	ND	500	20	6.6	ug/L	491	98	76-122			D03
n-Butylbenzene	ND		10	6.4	ug/L	ND		71-128			D03
n-Propylbenzene	ND		10	6.9	ug/L	ND		77-120			D03
o-Xylene	ND	250	10	7.6	ug/L	232	93	76-122			D03
sec-Butylbenzene	ND		10	7.5	ug/L	ND		74-127			D03
Styrene	ND		10	7.3	ug/L	ND		70-130			D03
tert-Butylbenzene	ND		10	8.1	ug/L	ND		75-123			D03
Tetrachloroethene	ND	250	10	3.6	ug/L	250	100	74-122			D03
Toluene	ND	250	10	5.1	ug/L	235	94	70-122			D03
trans-1,2-Dichloroethene	ND	250	10	9.0	ug/L	228	91	73-127			D03
trans-1,3-Dichloropropene	ND		10	3.7	ug/L	ND		72-123			D03
Trichloroethene	ND	250	10	4.6	ug/L	248	99	74-123			D03

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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2041-MS1, Batch: 10H2041)											
QC Source Sample: RTH1150-03											
Trichlorofluoromethane	ND		10	8.8	ug/L	ND		62-152			D03
Vinyl chloride	ND		10	9.0	ug/L	ND		65-133			D03
Xylenes, total	ND	750	20	6.6	ug/L	723	96	76-122			D03
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*90*	*66-137*			*D03*
Surrogate: 4-Bromofluorobenzene					*ug/L*		*84*	*73-120*			*D03*
Surrogate: Toluene-d8					*ug/L*		*87*	*71-126*			*D03*
Matrix Spike Dup Analyzed: 08/28/10 (Lab Number:10H2041-MSD1, Batch: 10H2041)											
QC Source Sample: RTH1150-03											
1,1,1-Trichloroethane	ND		10	8.2	ug/L	ND		73-126		15	D03
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L	ND		70-126		15	D03
1,1,2-Trichloroethane	ND		10	2.3	ug/L	ND		76-122		15	D03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L	ND		60-140		20	D03
1,1-Dichloroethane	ND	250	10	3.8	ug/L	266	106	71-129	6	20	D03
1,1-Dichloroethene	ND	250	10	2.9	ug/L	269	108	65-138	7	16	D03
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L	ND		70-122		20	D03
1,2,4-Trimethylbenzene	ND	250	10	7.5	ug/L	242	97	76-121	5	20	D03
1,2-Dibromo-3-chloropropane	ND		10	3.9	ug/L	ND		56-134		15	D03
1,2-Dibromoethane	ND		10	7.3	ug/L	ND		77-120		15	D03
1,2-Dichlorobenzene	ND	250	10	7.9	ug/L	252	101	77-120	7	20	D03
1,2-Dichloroethane	ND	250	10	2.1	ug/L	260	104	75-127	4	20	D03
1,2-Dichloropropane	ND		10	7.2	ug/L	ND		76-120		20	D03
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L	ND		77-121		20	D03
1,3-Dichlorobenzene	ND		10	7.8	ug/L	ND		77-120		20	D03
1,4-Dichlorobenzene	ND		10	8.4	ug/L	ND		75-120		20	D03
2-Butanone	ND		100	13	ug/L	ND		57-140		20	D03
2-Hexanone	ND		50	12	ug/L	ND		65-127		15	D03
p-Cymene	ND		10	3.1	ug/L	ND		73-120		20	D03
4-Methyl-2-pentanone	ND		50	21	ug/L	ND		71-125		35	D03
Acetone	ND		100	30	ug/L	ND		56-142		15	D03
Benzene	ND	250	10	4.1	ug/L	248	99	71-124	2	13	D03
Bromodichloromethane	ND		10	3.9	ug/L	ND		80-122		15	D03
Bromoform	ND		10	2.6	ug/L	ND		66-128		15	D03
Bromomethane	ND		10	6.9	ug/L	ND		36-150		15	D03
Carbon disulfide	ND		10	1.9	ug/L	ND		59-134		15	D03

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Work Order: RTH1150

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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 08/28/10 (Lab Number:10H2041-MSD1, Batch: 10H2041)											
QC Source Sample: RTH1150-03											
Carbon Tetrachloride	ND		10	2.7	ug/L	ND		72-134		15	D03
Chlorobenzene	ND	250	10	7.5	ug/L	251	100	72-120	3	25	D03
Dibromochloromethane	ND		10	3.2	ug/L	ND		75-125		15	D03
Chloroethane	ND		10	3.2	ug/L	ND		69-136		15	D03
Chloroform	ND		10	3.4	ug/L	ND		73-127		20	D03
Chloromethane	ND		10	3.5	ug/L	ND		49-142		15	D03
cis-1,2-Dichloroethene	ND	250	10	8.1	ug/L	243	97	74-124	3	15	D03
cis-1,3-Dichloropropene	ND		10	3.6	ug/L	ND		74-124		15	D03
Cyclohexane	ND		10	1.8	ug/L	ND		70-130		20	D03
Dichlorodifluoromethane	ND		10	6.8	ug/L	ND		33-157		20	D03
Ethylbenzene	ND	250	10	7.4	ug/L	242	97	77-123	1	15	D03
Isopropylbenzene	ND		10	7.9	ug/L	ND		77-122		20	D03
Methyl Acetate	ND		10	5.0	ug/L	ND		60-140		20	D03
Methyl-t-Butyl Ether (MTBE)	ND	250	10	1.6	ug/L	256	102	64-127	3	37	D03
Methylcyclohexane	ND		10	1.6	ug/L	ND		60-140		20	D03
Methylene Chloride	ND		10	4.4	ug/L	ND		57-132		15	D03
m-Xylene & p-Xylene	ND	500	20	6.6	ug/L	503	101	76-122	2	16	D03
n-Butylbenzene	ND		10	6.4	ug/L	ND		71-128		15	D03
n-Propylbenzene	ND		10	6.9	ug/L	ND		77-120		15	D03
o-Xylene	ND	250	10	7.6	ug/L	249	100	76-122	7	16	D03
sec-Butylbenzene	ND		10	7.5	ug/L	ND		74-127		15	D03
Styrene	ND		10	7.3	ug/L	ND		70-130		20	D03
tert-Butylbenzene	ND		10	8.1	ug/L	ND		75-123		15	D03
Tetrachloroethene	ND	250	10	3.6	ug/L	260	104	74-122	4	20	D03
Toluene	ND	250	10	5.1	ug/L	228	91	70-122	3	15	D03
trans-1,2-Dichloroethene	ND	250	10	9.0	ug/L	245	98	73-127	7	20	D03
trans-1,3-Dichloropropene	ND		10	3.7	ug/L	ND		72-123		15	D03
Trichloroethene	ND	250	10	4.6	ug/L	254	101	74-123	2	16	D03
Trichlorofluoromethane	ND		10	8.8	ug/L	ND		62-152		20	D03
Vinyl chloride	ND		10	9.0	ug/L	ND		65-133		15	D03
Xylenes, total	ND	750	20	6.6	ug/L	752	100	76-122	4	16	D03
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*94*	*66-137*			*D03*
Surrogate: 4-Bromofluorobenzene					*ug/L*		*84*	*73-120*			*D03*
Surrogate: Toluene-d8					*ug/L*		*89*	*71-126*			*D03*

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Work Order: RTH1150

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2041-BLK1, Batch: 10H2041)											
No TICs found			NA		ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/25/10 (Lab Number:10H1600-BLK1, Batch: 10H1600)											
2,4,5-Trichlorophenol			25	0.48	ug/L	ND					
2,4,6-Trichlorophenol			10	0.61	ug/L	ND					
2,4-Dichlorophenol			10	0.51	ug/L	ND					
2,4-Dimethylphenol			10	0.50	ug/L	ND					
2,4-Dinitrophenol			50	2.2	ug/L	ND					
2,4-Dinitrotoluene			10	0.45	ug/L	ND					
2,6-Dinitrotoluene			10	0.40	ug/L	ND					
2-Chloronaphthalene			10	0.46	ug/L	ND					
2-Chlorophenol			10	0.53	ug/L	ND					
2-Methylnaphthalene			10	0.60	ug/L	ND					
2-Methylphenol			10	0.40	ug/L	ND					
2-Nitroaniline			50	0.42	ug/L	ND					
2-Nitrophenol			10	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			20	0.40	ug/L	ND					
3-Nitroaniline			50	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			50	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			10	0.45	ug/L	ND					
4-Chloro-3-methylphenol			10	0.45	ug/L	ND					
4-Chloroaniline			10	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			10	0.35	ug/L	ND					
4-Methylphenol			5.0	0.36	ug/L	ND					
4-Nitroaniline			50	0.25	ug/L	ND					
4-Nitrophenol			50	1.5	ug/L	ND					
Acenaphthene			10	0.41	ug/L	ND					
Acenaphthylene			10	0.38	ug/L	ND					
Acetophenone			10	0.54	ug/L	ND					
Anthracene			10	0.28	ug/L	ND					
Atrazine			10	0.46	ug/L	ND					
Benzaldehyde			50	0.27	ug/L	ND					
Benzo(a)anthracene			10	0.36	ug/L	ND					
Benzo(a)pyrene			10	0.47	ug/L	ND					
Benzo(b)fluoranthene			10	0.34	ug/L	ND					
Benzo(ghi)perylene			10	0.35	ug/L	ND					
Benzo(k)fluoranthene			10	0.73	ug/L	ND					
Biphenyl			10	0.65	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/25/10 (Lab Number:10H1600-BLK1, Batch: 10H1600)											
Bis(2-chloroethoxy)methane			10	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			10	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			10	0.52	ug/L	ND					
Bis(2-ethylhexyl) phthalate			10	1.8	ug/L	ND					
Butyl benzyl phthalate			10	0.42	ug/L	ND					
Caprolactam			10	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			10	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			10	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			10	0.22	ug/L	ND					
Dimethyl phthalate			10	0.36	ug/L	ND					
Di-n-butyl phthalate			10	0.31	ug/L	0.93					J
Di-n-octyl phthalate			10	0.47	ug/L	ND					
Fluoranthene			10	0.40	ug/L	ND					
Fluorene			10	0.36	ug/L	ND					
Hexachlorobenzene			10	0.51	ug/L	ND					
Hexachlorobutadiene			10	0.68	ug/L	ND					
Hexachlorocyclopentadiene			10	0.59	ug/L	ND					
Hexachloroethane			10	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			10	0.47	ug/L	ND					
Isophorone			10	0.43	ug/L	ND					
Naphthalene			10	0.76	ug/L	ND					
Nitrobenzene			10	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			10	0.54	ug/L	ND					
N-Nitrosodiphenylamine			10	0.51	ug/L	ND					
Pentachlorophenol			50	2.2	ug/L	ND					
Phenanthrene			10	0.44	ug/L	ND					
Phenol			10	0.39	ug/L	ND					
Pyrene			10	0.34	ug/L	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*112*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*85*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*47*	*20-120*			

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2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/25/10 (Lab Number:10H1600-BLK1, Batch: 10H1600)											
Surrogate: Nitrobenzene-d5					*ug/L*		*88*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*36*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*79*	*24-136*			
LCS Analyzed: 08/25/10 (Lab Number:10H1600-BS1, Batch: 10H1600)											
1,2,4-Trichlorobenzene		100	10	0.44	ug/L	75.8	76	40-120			
1,2-Dichlorobenzene			10	0.40	ug/L	ND		33-120			
1,3-Dichlorobenzene			10	0.48	ug/L	ND		28-120			
2,4,5-Trichlorophenol			25	0.48	ug/L	ND		65-126			
2,4,6-Trichlorophenol			10	0.61	ug/L	ND		64-120			
2,4-Dichlorophenol			10	0.51	ug/L	ND		64-120			
2,4-Dimethylphenol			10	0.50	ug/L	ND		57-120			
2,4-Dinitrophenol			50	2.2	ug/L	ND		42-153			
2,4-Dinitrotoluene		100	10	0.45	ug/L	100	100	59-125			
2,6-Dinitrotoluene			10	0.40	ug/L	ND		74-134			
2-Chloronaphthalene			10	0.46	ug/L	ND		52-120			
2-Chlorophenol		150	10	0.53	ug/L	107	72	48-120			
2-Methylnaphthalene			10	0.60	ug/L	ND		48-120			
2-Methylphenol			10	0.40	ug/L	ND		39-120			
2-Nitroaniline			50	0.42	ug/L	ND		67-136			
2-Nitrophenol			10	0.48	ug/L	ND		59-120			
3,3'-Dichlorobenzidine			20	0.40	ug/L	ND		33-140			
3-Nitroaniline			50	0.48	ug/L	ND		69-129			
4,6-Dinitro-2-methylphenol			50	2.2	ug/L	ND		64-159			
4-Bromophenyl phenyl ether			10	0.45	ug/L	ND		71-126			
4-Chloro-3-methylphenol		150	10	0.45	ug/L	136	91	64-120			
4-Chloroaniline			10	0.59	ug/L	ND		60-124			
4-Chlorophenyl phenyl ether			10	0.35	ug/L	ND		71-122			
4-Methylphenol			5.0	0.36	ug/L	ND		36-120			
4-Nitroaniline			50	0.25	ug/L	ND		64-135			
4-Nitrophenol		150	50	1.5	ug/L	63.3	42	16-120			
Acenaphthene		100	10	0.41	ug/L	91.0	91	60-120			
Acenaphthylene			10	0.38	ug/L	ND		63-120			
Acetophenone			10	0.54	ug/L	ND		45-120			
Anthracene			10	0.28	ug/L	ND		69-131			
Atrazine			10	0.46	ug/L	ND		70-129			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/25/10 (Lab Number:10H1600-BS1, Batch: 10H1600)											
Benzaldehyde			50	0.27	ug/L	ND		30-140			
Benzo(a)anthracene			10	0.36	ug/L	ND		73-138			
Benzo(a)pyrene			10	0.47	ug/L	ND		74-126			
Benzo(b)fluoranthene			10	0.34	ug/L	ND		75-133			
Benzo(ghi)perylene			10	0.35	ug/L	ND		66-152			
Benzo(k)fluoranthene			10	0.73	ug/L	ND		75-133			
Biphenyl			10	0.65	ug/L	ND		30-140			
Bis(2-chloroethoxy)methane			10	0.35	ug/L	ND		62-120			
Bis(2-chloroethyl)ether			10	0.40	ug/L	ND		51-120			
2,2'-Oxybis(1-Chloropropane)			10	0.52	ug/L	ND		47-120			
Bis(2-ethylhexyl) phthalate			10	1.8	ug/L	ND		69-136			
Butyl benzyl phthalate			10	0.42	ug/L	ND		62-149			
Caprolactam			10	2.2	ug/L	ND		30-140			
Carbazole			5.0	0.30	ug/L	ND		68-133			
Chrysene			10	0.33	ug/L	ND		69-140			
Dibenzo(a,h)anthracene			10	0.42	ug/L	ND		67-144			
Dibenzofuran			10	0.51	ug/L	ND		66-120			
Diethyl phthalate			10	0.22	ug/L	ND		78-128			
Dimethyl phthalate			10	0.36	ug/L	ND		73-127			
Di-n-butyl phthalate			10	0.31	ug/L	0.850		67-132			J,B
Di-n-octyl phthalate			10	0.47	ug/L	ND		72-145			
Fluoranthene			10	0.40	ug/L	1.20		67-133			J
Fluorene			10	0.36	ug/L	ND		66-129			
Hexachlorobenzene			10	0.51	ug/L	ND		38-131			
Hexachlorobutadiene			10	0.68	ug/L	ND		30-120			
Hexachlorocyclopentadiene			10	0.59	ug/L	ND		23-120			
Hexachloroethane			10	0.59	ug/L	ND		25-120			
Indeno(1,2,3-cd)pyrene			10	0.47	ug/L	ND		69-146			
Isophorone			10	0.43	ug/L	ND		64-120			
Naphthalene			10	0.76	ug/L	ND		48-120			
Nitrobenzene			10	0.29	ug/L	ND		52-120			
N-Nitrosodi-n-propylamine		100	10	0.54	ug/L	91.0	91	56-120			
N-Nitrosodiphenylamine			10	0.51	ug/L	ND		25-125			
Pentachlorophenol		150	50	2.2	ug/L	168	112	39-136			
Phenanthrene			10	0.44	ug/L	ND		67-130			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/25/10 (Lab Number:10H1600-BS1, Batch: 10H1600)											
Phenol		150	10	0.39	ug/L	51.2	34	17-120			
Pyrene		100	10	0.34	ug/L	91.3	91	58-136			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*109*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*86*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*46*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*85*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*35*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*80*	*24-136*			
Matrix Spike Analyzed: 08/25/10 (Lab Number:10H1600-MS1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
1,2,4-Trichlorobenzene	ND	95.2	9.5	0.42	ug/L	70.3	74	40-120			
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L	ND		33-120			
1,3-Dichlorobenzene	ND		9.5	0.46	ug/L	ND		28-120			
2,4,5-Trichlorophenol	ND		24	0.46	ug/L	ND		65-126			
2,4,6-Trichlorophenol	ND		9.5	0.58	ug/L	ND		64-120			
2,4-Dichlorophenol	ND		9.5	0.49	ug/L	ND		64-120			
2,4-Dimethylphenol	ND		9.5	0.48	ug/L	ND		57-120			
2,4-Dinitrophenol	ND		48	2.1	ug/L	ND		42-153			
2,4-Dinitrotoluene	ND	95.2	9.5	0.43	ug/L	102	107	59-125			
2,6-Dinitrotoluene	ND		9.5	0.38	ug/L	ND		74-134			
2-Chloronaphthalene	ND		9.5	0.44	ug/L	ND		52-120			
2-Chlorophenol	ND	143	9.5	0.50	ug/L	93.9	66	48-120			
2-Methylnaphthalene	ND		9.5	0.57	ug/L	ND		48-120			
2-Methylphenol	ND		9.5	0.38	ug/L	ND		39-120			
2-Nitroaniline	ND		48	0.40	ug/L	ND		67-136			
2-Nitrophenol	ND		9.5	0.46	ug/L	ND		59-120			
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	ND		33-140			
3-Nitroaniline	ND		48	0.46	ug/L	ND		69-129			
4,6-Dinitro-2-methylphenol	ND		48	2.1	ug/L	ND		64-159			
4-Bromophenyl phenyl ether	ND		9.5	0.43	ug/L	ND		71-126			
4-Chloro-3-methylphenol	ND	143	9.5	0.43	ug/L	135	94	64-120			
4-Chloroaniline	ND		9.5	0.56	ug/L	ND		60-124			
4-Chlorophenyl phenyl ether	ND		9.5	0.33	ug/L	ND		71-122			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/25/10 (Lab Number:10H1600-MS1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
4-Methylphenol	ND		4.8	0.34	ug/L	ND		36-120			
4-Nitroaniline	ND		48	0.24	ug/L	ND		64-135			
4-Nitrophenol	ND	143	48	1.4	ug/L	69.9	49	16-120			
Acenaphthene	0.613	95.2	9.5	0.39	ug/L	88.1	92	60-120			
Acenaphthylene	ND		9.5	0.36	ug/L	ND		63-120			
Acetophenone	ND		9.5	0.51	ug/L	ND		45-120			
Anthracene	ND		9.5	0.27	ug/L	ND		69-131			
Atrazine	ND		9.5	0.44	ug/L	ND		70-129			
Benzaldehyde	ND		48	0.25	ug/L	ND		30-140			
Benzo(a)anthracene	ND		9.5	0.34	ug/L	ND		73-138			
Benzo(a)pyrene	ND		9.5	0.45	ug/L	ND		74-126			
Benzo(b)fluoranthene	ND		9.5	0.32	ug/L	ND		75-133			
Benzo(ghi)perylene	ND		9.5	0.33	ug/L	ND		66-152			
Benzo(k)fluoranthene	ND		9.5	0.70	ug/L	ND		75-133			
Biphenyl	ND		9.5	0.62	ug/L	ND		30-140			
Bis(2-chloroethoxy)methane	ND		9.5	0.33	ug/L	ND		62-120			
Bis(2-chloroethyl)ether	ND		9.5	0.38	ug/L	ND		51-120			
2,2'-Oxybis(1-Chloropropane)	ND		9.5	0.50	ug/L	ND		47-120			
Bis(2-ethylhexyl) phthalate	ND		9.5	1.7	ug/L	ND		69-136			
Butyl benzyl phthalate	ND		9.5	0.40	ug/L	ND		62-149			
Caprolactam	ND		9.5	2.1	ug/L	ND		30-140			
Carbazole	ND		4.8	0.29	ug/L	ND		68-133			
Chrysene	ND		9.5	0.31	ug/L	ND		69-140			
Dibenzo(a,h)anthracene	ND		9.5	0.40	ug/L	ND		67-144			
Dibenzofuran	ND		9.5	0.49	ug/L	ND		66-120			
Diethyl phthalate	ND		9.5	0.21	ug/L	ND		78-128			
Dimethyl phthalate	ND		9.5	0.34	ug/L	ND		73-127			
Di-n-butyl phthalate	0.887		9.5	0.30	ug/L	1.19		67-132			B,J
Di-n-octyl phthalate	ND		9.5	0.45	ug/L	ND		72-145			
Fluoranthene	ND		9.5	0.38	ug/L	1.43		67-133			J
Fluorene	1.66		9.5	0.34	ug/L	1.64		66-129			J
Hexachlorobenzene	ND		9.5	0.49	ug/L	ND		38-131			
Hexachlorobutadiene	ND		9.5	0.65	ug/L	ND		30-120			
Hexachlorocyclopentadiene	ND		9.5	0.56	ug/L	ND		23-120			
Hexachloroethane	ND		9.5	0.56	ug/L	ND		25-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/25/10 (Lab Number:10H1600-MS1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
Indeno(1,2,3-cd)pyrene	ND		9.5	0.45	ug/L	ND		69-146			
Isophorone	ND		9.5	0.41	ug/L	ND		64-120			
Naphthalene	ND		9.5	0.72	ug/L	ND		48-120			
Nitrobenzene	ND		9.5	0.28	ug/L	ND		52-120			
N-Nitrosodi-n-propylamine	ND	95.2	9.5	0.51	ug/L	79.0	83	56-120			
N-Nitrosodiphenylamine	ND		9.5	0.49	ug/L	ND		25-125			
Pentachlorophenol	ND	143	48	2.1	ug/L	170	119	39-136			
Phenanthrene	ND		9.5	0.42	ug/L	ND		67-130			
Phenol	ND	143	9.5	0.37	ug/L	43.3	30	17-120			
Pyrene	ND	95.2	9.5	0.32	ug/L	86.1	90	58-136			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*124*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*87*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*40*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*81*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*32*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*61*	*24-136*			
Matrix Spike Dup Analyzed: 08/25/10 (Lab Number:10H1600-MSD1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
1,2,4-Trichlorobenzene	ND	94.8	9.5	0.42	ug/L	65.6	69	40-120	7	30	
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L	ND		33-120		29	
1,3-Dichlorobenzene	ND		9.5	0.45	ug/L	ND		28-120		37	
2,4,5-Trichlorophenol	ND		24	0.45	ug/L	ND		65-126		18	
2,4,6-Trichlorophenol	ND		9.5	0.58	ug/L	ND		64-120		19	
2,4-Dichlorophenol	ND		9.5	0.48	ug/L	ND		64-120		19	
2,4-Dimethylphenol	ND		9.5	0.47	ug/L	ND		57-120		42	
2,4-Dinitrophenol	ND		47	2.1	ug/L	ND		42-153		22	
2,4-Dinitrotoluene	ND	94.8	9.5	0.42	ug/L	95.4	101	59-125	7	20	
2,6-Dinitrotoluene	ND		9.5	0.38	ug/L	ND		74-134		15	
2-Chloronaphthalene	ND		9.5	0.44	ug/L	ND		52-120		21	
2-Chlorophenol	ND	142	9.5	0.50	ug/L	87.3	61	48-120	7	25	
2-Methylnaphthalene	ND		9.5	0.57	ug/L	ND		48-120		21	
2-Methylphenol	ND		9.5	0.38	ug/L	ND		39-120		27	
2-Nitroaniline	ND		47	0.40	ug/L	ND		67-136		15	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/25/10 (Lab Number:10H1600-MSD1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
2-Nitrophenol	ND		9.5	0.45	ug/L	ND		59-120		18	
3,3'-Dichlorobenzidine	ND		19	0.38	ug/L	ND		33-140		25	
3-Nitroaniline	ND		47	0.45	ug/L	ND		69-129		19	
4,6-Dinitro-2-methylphenol	ND		47	2.1	ug/L	ND		64-159		15	
4-Bromophenyl phenyl ether	ND		9.5	0.43	ug/L	ND		71-126		15	
4-Chloro-3-methylphenol	ND	142	9.5	0.43	ug/L	121	85	64-120	10	27	
4-Chloroaniline	ND		9.5	0.56	ug/L	ND		60-124		22	
4-Chlorophenyl phenyl ether	ND		9.5	0.33	ug/L	ND		71-122		16	
4-Methylphenol	ND		4.7	0.34	ug/L	ND		36-120		24	
4-Nitroaniline	ND		47	0.24	ug/L	ND		64-135		24	
4-Nitrophenol	ND	142	47	1.4	ug/L	61.4	43	16-120	13	48	
Acenaphthene	0.613	94.8	9.5	0.39	ug/L	80.1	84	60-120	9	24	
Acenaphthylene	ND		9.5	0.36	ug/L	ND		63-120		18	
Acetophenone	ND		9.5	0.51	ug/L	ND		45-120		20	
Anthracene	ND		9.5	0.27	ug/L	ND		69-131		15	
Atrazine	ND		9.5	0.44	ug/L	ND		70-129		20	
Benzaldehyde	ND		47	0.25	ug/L	ND		30-140		20	
Benzo(a)anthracene	ND		9.5	0.34	ug/L	ND		73-138		15	
Benzo(a)pyrene	ND		9.5	0.45	ug/L	ND		74-126		15	
Benzo(b)fluoranthene	ND		9.5	0.32	ug/L	ND		75-133		15	
Benzo(ghi)perylene	ND		9.5	0.33	ug/L	ND		66-152		15	
Benzo(k)fluoranthene	ND		9.5	0.69	ug/L	ND		75-133		22	
Biphenyl	ND		9.5	0.62	ug/L	ND		30-140		20	
Bis(2-chloroethoxy)methane	ND		9.5	0.33	ug/L	ND		62-120		17	
Bis(2-chloroethyl)ether	ND		9.5	0.38	ug/L	ND		51-120		21	
2,2'-Oxybis(1-Chloropropane)	ND		9.5	0.49	ug/L	ND		47-120		24	
Bis(2-ethylhexyl) phthalate	ND		9.5	1.7	ug/L	ND		69-136		15	
Butyl benzyl phthalate	ND		9.5	0.40	ug/L	ND		62-149		16	
Caprolactam	ND		9.5	2.1	ug/L	ND		30-140		20	
Carbazole	ND		4.7	0.28	ug/L	ND		68-133		20	
Chrysene	ND		9.5	0.31	ug/L	ND		69-140		15	
Dibenzo(a,h)anthracene	ND		9.5	0.40	ug/L	ND		67-144		15	
Dibenzofuran	ND		9.5	0.48	ug/L	ND		66-120		15	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/25/10 (Lab Number:10H1600-MSD1, Batch: 10H1600)											
QC Source Sample: RTH1150-03											
Diethyl phthalate	ND		9.5	0.21	ug/L	ND		78-128		15	
Dimethyl phthalate	ND		9.5	0.34	ug/L	ND		73-127		15	
Di-n-butyl phthalate	0.887		9.5	0.29	ug/L	1.18		67-132	0.5	15	B,J
Di-n-octyl phthalate	ND		9.5	0.45	ug/L	ND		72-145		16	
Fluoranthene	ND		9.5	0.38	ug/L	1.29		67-133	10	15	J
Fluorene	1.66		9.5	0.34	ug/L	1.71		66-129	4	15	J
Hexachlorobenzene	ND		9.5	0.48	ug/L	ND		38-131		15	
Hexachlorobutadiene	ND		9.5	0.64	ug/L	ND		30-120		44	
Hexachlorocyclopentadiene	ND		9.5	0.56	ug/L	ND		23-120		49	
Hexachloroethane	ND		9.5	0.56	ug/L	ND		25-120		46	
Indeno(1,2,3-cd)pyrene	ND		9.5	0.45	ug/L	ND		69-146		15	
Isophorone	ND		9.5	0.41	ug/L	ND		64-120		17	
Naphthalene	ND		9.5	0.72	ug/L	ND		48-120		29	
Nitrobenzene	ND		9.5	0.27	ug/L	ND		52-120		24	
N-Nitrosodi-n-propylamine	ND	94.8	9.5	0.51	ug/L	77.7	82	56-120	2	31	
N-Nitrosodiphenylamine	ND		9.5	0.48	ug/L	ND		25-125		15	
Pentachlorophenol	ND	142	47	2.1	ug/L	153	108	39-136	11	37	
Phenanthrene	ND		9.5	0.42	ug/L	ND		67-130		15	
Phenol	ND	142	9.5	0.37	ug/L	37.7	27	17-120	14	34	
Pyrene	ND	94.8	9.5	0.32	ug/L	79.7	84	58-136	8	19	
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*110*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*78*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*38*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*78*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*28*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*55*	*24-136*			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics TICs by GC/MS											
Blank Analyzed: 08/25/10 (Lab Number:10H1600-BLK1, Batch: 10H1600)											
Unknown01			NA		ug/L	4.6					T7
Unknown02			NA		ug/L	7.9					T7
Unknown03			NA		ug/L	13					T7
Unknown04			NA		ug/L	8.2					T7
Unknown05			NA		ug/L	8.8					T7
Unknown06			NA		ug/L	9.6					T7
Unknown07			NA		ug/L	6.8					T7

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/23/10 (Lab Number:10H1524-BLK1, Batch: 10H1524)											
4,4'-DDD			0.050	0.0092	ug/L	ND					QSU
4,4'-DDD [2C]			0.050	0.0092	ug/L	ND					QSU,C8
4,4'-DDE			0.050	0.012	ug/L	ND					QSU
4,4'-DDE [2C]			0.050	0.012	ug/L	ND					QSU,C8
4,4'-DDT			0.050	0.011	ug/L	ND					QSU
4,4'-DDT [2C]			0.050	0.011	ug/L	ND					QSU,C8
Aldrin			0.050	0.0066	ug/L	ND					QSU
Aldrin [2C]			0.050	0.0066	ug/L	ND					QSU,C8
alpha-BHC			0.050	0.0066	ug/L	ND					QSU
alpha-BHC [2C]			0.050	0.0066	ug/L	ND					QSU,C8
alpha-Chlordane			0.050	0.015	ug/L	ND					QSU
alpha-Chlordane [2C]			0.050	0.015	ug/L	ND					QSU,C8
beta-BHC			0.050	0.025	ug/L	ND					QSU
beta-BHC [2C]			0.050	0.025	ug/L	ND					QSU,C8
Chlordane			0.50	0.029	ug/L	ND					QSU
Chlordane [2C]			0.50	0.029	ug/L	ND					QSU
delta-BHC			0.050	0.010	ug/L	ND					QSU
delta-BHC [2C]			0.050	0.010	ug/L	ND					QSU,C8
Dieldrin			0.050	0.0098	ug/L	ND					QSU
Dieldrin [2C]			0.050	0.0098	ug/L	ND					QSU,C8
Endosulfan I			0.050	0.011	ug/L	ND					QSU
Endosulfan I [2C]			0.050	0.011	ug/L	ND					QSU,C8
Endosulfan II			0.050	0.012	ug/L	ND					QSU
Endosulfan II [2C]			0.050	0.012	ug/L	ND					QSU,C8
Endosulfan sulfate			0.050	0.016	ug/L	ND					QSU
Endosulfan sulfate [2C]			0.050	0.016	ug/L	ND					QSU,C8
Endrin			0.050	0.014	ug/L	ND					QSU
Endrin [2C]			0.050	0.014	ug/L	ND					QSU,C8
Endrin aldehyde			0.050	0.016	ug/L	ND					QSU
Endrin aldehyde [2C]			0.050	0.016	ug/L	ND					QSU,C8
Endrin ketone			0.050	0.012	ug/L	ND					QSU
Endrin ketone [2C]			0.050	0.012	ug/L	ND					QSU,C8
gamma-BHC (Lindane)			0.050	0.0060	ug/L	ND					QSU
gamma-BHC (Lindane) [2C]			0.050	0.0060	ug/L	ND					QSU,C8
gamma-Chlordane			0.050	0.011	ug/L	ND					QSU
gamma-Chlordane [2C]			0.050	0.011	ug/L	ND					QSU,C8
Heptachlor			0.050	0.0085	ug/L	ND					QSU

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/23/10 (Lab Number:10H1524-BLK1, Batch: 10H1524)											
Heptachlor [2C]			0.050	0.0085	ug/L	ND					QSU,C8
Heptachlor epoxide			0.050	0.0053	ug/L	ND					QSU
Heptachlor epoxide [2C]			0.050	0.0053	ug/L	ND					QSU,C8
Methoxychlor			0.050	0.014	ug/L	ND					QSU
Methoxychlor [2C]			0.050	0.014	ug/L	ND					QSU,C8
Toxaphene			0.50	0.12	ug/L	ND					QSU
Toxaphene [2C]			0.50	0.12	ug/L	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*41*	*15-139*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*54*	*15-139*			*QSU,C8*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*76*	*30-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*93*	*30-139*			*QSU,C8*
LCS Analyzed: 08/23/10 (Lab Number:10H1524-BS1, Batch: 10H1524)											
4,4'-DDD		0.500	0.050	0.0092	ug/L	0.421	84	25-139			QSU
4,4'-DDD [2C]		0.500	0.050	0.0092	ug/L	0.540	108	25-139			QSU,C8
4,4'-DDE		0.500	0.050	0.012	ug/L	0.397	79	49-127			QSU
4,4'-DDE [2C]		0.500	0.050	0.012	ug/L	0.500	100	49-127			QSU,C8
4,4'-DDT		0.500	0.050	0.011	ug/L	0.390	78	47-130			QSU
4,4'-DDT [2C]		0.500	0.050	0.011	ug/L	0.465	93	47-130			QSU,C8
Aldrin		0.500	0.050	0.0066	ug/L	0.343	69	35-120			QSU
Aldrin [2C]		0.500	0.050	0.0066	ug/L	0.442	88	35-120			QSU,C8
alpha-BHC		0.500	0.050	0.0066	ug/L	0.401	80	39-121			QSU
alpha-BHC [2C]		0.500	0.050	0.0066	ug/L	0.500	100	39-121			QSU,C8
alpha-Chlordane		0.500	0.050	0.015	ug/L	0.400	80	40-160			QSU
alpha-Chlordane [2C]		0.500	0.050	0.015	ug/L	0.511	102	40-160			QSU,C8
beta-BHC		0.500	0.050	0.025	ug/L	0.419	84	39-138			QSU
beta-BHC [2C]		0.500	0.050	0.025	ug/L	0.533	107	39-138			QSU,C8
delta-BHC		0.500	0.050	0.010	ug/L	0.410	82	40-121			QSU
delta-BHC [2C]		0.500	0.050	0.010	ug/L	0.525	105	40-121			QSU,C8
Dieldrin		0.500	0.050	0.0098	ug/L	0.408	82	41-131			QSU
Dieldrin [2C]		0.500	0.050	0.0098	ug/L	0.514	103	41-131			QSU,C8
Endosulfan I		0.500	0.050	0.011	ug/L	0.414	83	41-126			QSU
Endosulfan I [2C]		0.500	0.050	0.011	ug/L	0.522	104	41-126			QSU,C8
Endosulfan II		0.500	0.050	0.012	ug/L	0.418	84	32-134			QSU
Endosulfan II [2C]		0.500	0.050	0.012	ug/L	0.526	105	32-134			QSU,C8
Endosulfan sulfate		0.500	0.050	0.016	ug/L	0.404	81	46-131			QSU

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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
LCS Analyzed: 08/23/10 (Lab Number:10H1524-BS1, Batch: 10H1524)											
Endosulfan sulfate [2C]		0.500	0.050	0.016	ug/L	0.527	105	46-131			QSU,C8
Endrin		0.500	0.050	0.014	ug/L	0.401	80	43-134			QSU
Endrin [2C]		0.500	0.050	0.014	ug/L	0.508	102	43-134			QSU,C8
Endrin aldehyde		0.500	0.050	0.016	ug/L	0.411	82	39-128			QSU
Endrin aldehyde [2C]		0.500	0.050	0.016	ug/L	0.547	109	39-128			QSU,C8
Endrin ketone		0.500	0.050	0.012	ug/L	0.454	91	50-150			QSU
Endrin ketone [2C]		0.500	0.050	0.012	ug/L	0.566	113	50-150			QSU,C8
gamma-BHC (Lindane)		0.500	0.050	0.0060	ug/L	0.418	84	68-120			QSU
gamma-BHC (Lindane) [2C]		0.500	0.050	0.0060	ug/L	0.540	108	68-120			QSU,C8
gamma-Chlordane		0.500	0.050	0.011	ug/L	0.399	80	40-160			QSU
gamma-Chlordane [2C]		0.500	0.050	0.011	ug/L	0.499	100	40-160			QSU,C8
Heptachlor		0.500	0.050	0.0085	ug/L	0.408	82	52-120			QSU
Heptachlor [2C]		0.500	0.050	0.0085	ug/L	0.518	104	52-120			QSU,C8
Heptachlor epoxide		0.500	0.050	0.0053	ug/L	0.421	84	65-120			QSU
Heptachlor epoxide [2C]		0.500	0.050	0.0053	ug/L	0.531	106	65-120			QSU,C8
Methoxychlor		0.500	0.050	0.014	ug/L	0.400	80	52-142			QSU
Methoxychlor [2C]		0.500	0.050	0.014	ug/L	0.509	102	52-142			QSU,C8
Surrogate: Decachlorobiphenyl					*ug/L*		*47*	*15-139*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*62*	*15-139*			*QSU,C8*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*74*	*30-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*89*	*30-139*			*QSU,C8*
Matrix Spike Analyzed: 08/24/10 (Lab Number:10H1524-MS1, Batch: 10H1524)											
QC Source Sample: RTH1150-03											
4,4'-DDD	ND	0.476	0.048	0.0088	ug/L	0.347	73	25-139			QSU
4,4'-DDD [2C]	ND	0.476	0.048	0.0088	ug/L	0.504	106	25-139			QSU,C8
4,4'-DDE	0.0141	0.476	0.048	0.011	ug/L	0.266	53	49-127			QSU
4,4'-DDE [2C]	0.0141	0.476	0.048	0.011	ug/L	0.394	80	49-127			QSU,C8
4,4'-DDT	ND	0.476	0.048	0.010	ug/L	0.269	57	47-130			QSU
4,4'-DDT [2C]	ND	0.476	0.048	0.010	ug/L	0.382	80	47-130			QSU
Aldrin	ND	0.476	0.048	0.0063	ug/L	0.268	56	35-120			QSU
Aldrin [2C]	ND	0.476	0.048	0.0063	ug/L	0.406	85	35-120			QSU,C8
alpha-BHC	0.0159	0.476	0.048	0.0063	ug/L	0.324	65	39-121			QSU
alpha-BHC [2C]	0.0154	0.476	0.048	0.0063	ug/L	0.457	93	39-121			QSU,C8
alpha-Chlordane	ND	0.476	0.048	0.014	ug/L	0.314	66	40-160			QSU
alpha-Chlordane [2C]	ND	0.476	0.048	0.014	ug/L	0.469	99	40-160			QSU,C8

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Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Analyzed: 08/24/10 (Lab Number:10H1524-MS1, Batch: 10H1524)											
QC Source Sample: RTH1150-03											
beta-BHC	ND	0.476	0.048	0.024	ug/L	0.210	44	39-138			QSU
beta-BHC [2C]	ND	0.476	0.048	0.024	ug/L	0.293	62	39-138			QSU,C8
delta-BHC	ND	0.476	0.048	0.0096	ug/L	0.233	49	40-121			QSU
delta-BHC [2C]	ND	0.476	0.048	0.0096	ug/L	0.349	73	40-121			QSU,C8
Dieldrin	ND	0.476	0.048	0.0093	ug/L	0.348	73	41-131			QSU
Dieldrin [2C]	ND	0.476	0.048	0.0093	ug/L	0.497	104	41-131			QSU,C8
Endosulfan I	ND	0.476	0.048	0.010	ug/L	0.352	74	41-126			QSU
Endosulfan I [2C]	ND	0.476	0.048	0.010	ug/L	0.504	106	41-126			QSU,C8
Endosulfan II	ND	0.476	0.048	0.011	ug/L	0.366	77	32-134			QSU
Endosulfan II [2C]	ND	0.476	0.048	0.011	ug/L	0.543	114	32-134			QSU,C8
Endosulfan sulfate	ND	0.476	0.048	0.015	ug/L	0.361	76	46-131			QSU
Endosulfan sulfate [2C]	ND	0.476	0.048	0.015	ug/L	0.506	106	46-131			QSU,C8
Endrin	ND	0.476	0.048	0.013	ug/L	0.351	74	43-134			QSU
Endrin [2C]	ND	0.476	0.048	0.013	ug/L	0.514	108	43-134			QSU,C8
Endrin aldehyde	ND	0.476	0.048	0.016	ug/L	0.373	78	39-128			QSU
Endrin aldehyde [2C]	ND	0.476	0.048	0.016	ug/L	0.538	113	39-128			QSU,C8
Endrin ketone	ND	0.476	0.048	0.011	ug/L	0.431	90	50-150			QSU
Endrin ketone [2C]	ND	0.476	0.048	0.011	ug/L	0.566	119	50-150			QSU,C8
gamma-BHC (Lindane)	0.0106	0.476	0.048	0.0057	ug/L	0.334	68	68-120			QSU
gamma-BHC (Lindane) [2C]	0.0118	0.476	0.048	0.0057	ug/L	0.480	98	68-120			QSU,C8
gamma-Chlordane	ND	0.476	0.048	0.010	ug/L	0.317	67	40-160			QSU
gamma-Chlordane [2C]	ND	0.476	0.048	0.010	ug/L	0.456	96	40-160			QSU,C8
Heptachlor	0.00943	0.476	0.048	0.0081	ug/L	0.306	62	52-120			QSU
Heptachlor [2C]	0.0119	0.476	0.048	0.0081	ug/L	0.445	91	52-120			QSU,C8
Heptachlor epoxide	ND	0.476	0.048	0.0050	ug/L	0.341	72	65-120			QSU
Heptachlor epoxide [2C]	ND	0.476	0.048	0.0050	ug/L	0.505	106	65-120			QSU,C8
Methoxychlor	ND	0.476	0.048	0.013	ug/L	0.342	72	52-142			QSU
Methoxychlor [2C]	ND	0.476	0.048	0.013	ug/L	0.459	96	52-142			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*35*	*15-139*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*51*	*15-139*			*QSU,C8*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*64*	*30-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*76*	*30-139*			*QSU,C8*
Matrix Spike Dup Analyzed: 08/24/10 (Lab Number:10H1524-MSD1, Batch: 10H1524)											
QC Source Sample: RTH1150-03											

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Received: 08/20/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Dup Analyzed: 08/24/10 (Lab Number:10H1524-MSD1, Batch: 10H1524)											
QC Source Sample: RTH1150-03											
4,4'-DDD	ND	0.476	0.048	0.0088	ug/L	0.333	70	25-139	4	12	QSU
4,4'-DDD [2C]	ND	0.476	0.048	0.0088	ug/L	0.482	101	25-139	4	12	QSU,C8
4,4'-DDE	0.0141	0.476	0.048	0.011	ug/L	0.255	51	49-127	4	14	QSU
4,4'-DDE [2C]	0.0141	0.476	0.048	0.011	ug/L	0.379	77	49-127	4	14	QSU,C8
4,4'-DDT	ND	0.476	0.048	0.010	ug/L	0.259	54	47-130	4	17	QSU
4,4'-DDT [2C]	ND	0.476	0.048	0.010	ug/L	0.344	72	47-130	11	17	QSU
Aldrin	ND	0.476	0.048	0.0063	ug/L	0.255	54	35-120	5	13	QSU
Aldrin [2C]	ND	0.476	0.048	0.0063	ug/L	0.389	82	35-120	4	13	QSU,C8
alpha-BHC	0.0159	0.476	0.048	0.0063	ug/L	0.320	64	39-121	1	15	QSU
alpha-BHC [2C]	0.0154	0.476	0.048	0.0063	ug/L	0.442	90	39-121	3	15	QSU,C8
alpha-Chlordane	ND	0.476	0.048	0.014	ug/L	0.300	63	40-160	4	12	QSU
alpha-Chlordane [2C]	ND	0.476	0.048	0.014	ug/L	0.452	95	40-160	4	12	QSU,C8
beta-BHC	ND	0.476	0.048	0.024	ug/L	0.187	39	39-138	12	22	QSU
beta-BHC [2C]	ND	0.476	0.048	0.024	ug/L	0.256	54	39-138	13	22	QSU,C8
delta-BHC	ND	0.476	0.048	0.0096	ug/L	0.212	45	40-121	9	10	QSU
delta-BHC [2C]	ND	0.476	0.048	0.0096	ug/L	0.320	67	40-121	9	10	QSU,C8
Dieldrin	ND	0.476	0.048	0.0093	ug/L	0.341	72	41-131	2	12	QSU
Dieldrin [2C]	ND	0.476	0.048	0.0093	ug/L	0.489	103	41-131	2	12	QSU,C8
Endosulfan I	ND	0.476	0.048	0.010	ug/L	0.345	72	41-126	2	10	QSU
Endosulfan I [2C]	ND	0.476	0.048	0.010	ug/L	0.494	104	41-126	2	10	QSU,C8
Endosulfan II	ND	0.476	0.048	0.011	ug/L	0.358	75	32-134	2	11	QSU
Endosulfan II [2C]	ND	0.476	0.048	0.011	ug/L	0.520	109	32-134	4	11	QSU,C8
Endosulfan sulfate	ND	0.476	0.048	0.015	ug/L	0.355	74	46-131	2	18	QSU
Endosulfan sulfate [2C]	ND	0.476	0.048	0.015	ug/L	0.492	103	46-131	3	18	QSU,C8
Endrin	ND	0.476	0.048	0.013	ug/L	0.342	72	43-134	3	13	QSU
Endrin [2C]	ND	0.476	0.048	0.013	ug/L	0.501	105	43-134	3	13	QSU,C8
Endrin aldehyde	ND	0.476	0.048	0.016	ug/L	0.367	77	39-128	2	18	QSU
Endrin aldehyde [2C]	ND	0.476	0.048	0.016	ug/L	0.339	71	39-128	46	18	QSU,C8
Endrin ketone	ND	0.476	0.048	0.011	ug/L	0.427	90	50-150	0.9	33	QSU
Endrin ketone [2C]	ND	0.476	0.048	0.011	ug/L	0.561	118	50-150	0.8	33	QSU,C8
gamma-BHC (Lindane)	0.0106	0.476	0.048	0.0057	ug/L	0.327	67	68-120	2	15	QSU
gamma-BHC (Lindane) [2C]	0.0118	0.476	0.048	0.0057	ug/L	0.471	96	68-120	2	15	QSU,C8
gamma-Chlordane	ND	0.476	0.048	0.010	ug/L	0.303	64	40-160	5	11	QSU
gamma-Chlordane [2C]	ND	0.476	0.048	0.010	ug/L	0.437	92	40-160	4	11	QSU,C8
Heptachlor	0.00943	0.476	0.048	0.0081	ug/L	0.295	60	52-120	4	10	QSU
Heptachlor [2C]	0.0119	0.476	0.048	0.0081	ug/L	0.430	88	52-120	3	10	QSU,C8

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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Dup Analyzed: 08/24/10 (Lab Number:10H1524-MSD1, Batch: 10H1524)											
QC Source Sample: RTH1150-03											
Heptachlor epoxide	ND	0.476	0.048	0.0050	ug/L	0.333	70	65-120	3	11	QSU
Heptachlor epoxide [2C]	ND	0.476	0.048	0.0050	ug/L	0.493	104	65-120	2	11	QSU,C8
Methoxychlor	ND	0.476	0.048	0.013	ug/L	0.330	69	52-142	3	10	QSU
Methoxychlor [2C]	ND	0.476	0.048	0.013	ug/L	0.445	94	52-142	3	10	QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*33*	*15-139*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*48*	*15-139*			*QSU,C8*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*63*	*30-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*75*	*30-139*			*QSU,C8*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Blank Analyzed: 08/26/10 (Lab Number:10H1525-BLK1, Batch: 10H1525)											
Aroclor 1016			0.50	0.18	ug/L	ND					QSU
Aroclor 1016 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1221			0.50	0.18	ug/L	ND					QSU
Aroclor 1221 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1232			0.50	0.18	ug/L	ND					QSU
Aroclor 1232 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1242			0.50	0.18	ug/L	ND					QSU
Aroclor 1242 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1248			0.50	0.18	ug/L	ND					QSU
Aroclor 1248 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1254			0.50	0.25	ug/L	ND					QSU
Aroclor 1254 [2C]			0.50	0.25	ug/L	ND					QSU
Aroclor 1260			0.50	0.25	ug/L	ND					QSU
Aroclor 1260 [2C]			0.50	0.25	ug/L	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*51*	*12-137*			*QSU,C*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*42*	*12-137*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*83*	*35-121*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*90*	*35-121*			*QSU*
LCS Analyzed: 08/26/10 (Lab Number:10H1525-BS1, Batch: 10H1525)											
Aroclor 1016		5.00	0.50	0.18	ug/L	4.67	93	61-123			QSU
Aroclor 1016 [2C]		5.00	0.50	0.18	ug/L	4.71	94	61-123			QSU
Aroclor 1221			0.50	0.18	ug/L	ND					QSU
Aroclor 1221 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1232			0.50	0.18	ug/L	ND					QSU
Aroclor 1232 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1242			0.50	0.18	ug/L	ND					QSU
Aroclor 1242 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1248			0.50	0.18	ug/L	ND					QSU
Aroclor 1248 [2C]			0.50	0.18	ug/L	ND					QSU
Aroclor 1254			0.50	0.25	ug/L	ND					QSU
Aroclor 1254 [2C]			0.50	0.25	ug/L	ND					QSU
Aroclor 1260		5.00	0.50	0.25	ug/L	4.33	87	52-128			QSU
Aroclor 1260 [2C]		5.00	0.50	0.25	ug/L	4.14	83	52-128			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*56*	*12-137*			*QSU,C*

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Received: 08/20/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
LCS Analyzed: 08/26/10 (Lab Number:10H1525-BS1, Batch: 10H1525)											
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*45*	*12-137*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*80*	*35-121*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*82*	*35-121*			*QSU*
Matrix Spike Analyzed: 08/26/10 (Lab Number:10H1525-MS1, Batch: 10H1525)											
QC Source Sample: RTH1150-03											
Aroclor 1016	ND	4.72	0.47	0.17	ug/L	4.34	92	61-123			QSU
Aroclor 1016 [2C]	ND	4.72	0.47	0.17	ug/L	4.50	95	61-123			QSU
Aroclor 1221	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1221 [2C]	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1232	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1232 [2C]	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1242	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1242 [2C]	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1248	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1248 [2C]	ND		0.47	0.17	ug/L	ND					QSU
Aroclor 1254	ND		0.47	0.24	ug/L	ND					QSU
Aroclor 1254 [2C]	ND		0.47	0.24	ug/L	ND					QSU
Aroclor 1260	ND	4.72	0.47	0.24	ug/L	3.39	72	52-128			QSU
Aroclor 1260 [2C]	ND	4.72	0.47	0.24	ug/L	3.24	69	52-128			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*61*	*12-137*			*QSU,C*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*50*	*12-137*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*76*	*35-121*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*79*	*35-121*			*QSU*
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1525-MSD1, Batch: 10H1525)											
QC Source Sample: RTH1150-03											
Aroclor 1016	ND	4.81	0.48	0.17	ug/L	3.89	81	61-123	11	50	QSU
Aroclor 1016 [2C]	ND	4.81	0.48	0.17	ug/L	3.96	82	61-123	13	50	QSU
Aroclor 1221	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1221 [2C]	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1232	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1232 [2C]	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1242	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1242 [2C]	ND		0.48	0.17	ug/L	ND					QSU

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1525-MSD1, Batch: 10H1525)											
QC Source Sample: RTH1150-03											
Aroclor 1248	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1248 [2C]	ND		0.48	0.17	ug/L	ND					QSU
Aroclor 1254	ND		0.48	0.24	ug/L	ND					QSU
Aroclor 1254 [2C]	ND		0.48	0.24	ug/L	ND					QSU
Aroclor 1260	ND	4.81	0.48	0.24	ug/L	3.25	68	52-128	4	50	QSU
Aroclor 1260 [2C]	ND	4.81	0.48	0.24	ug/L	3.05	63	52-128	6	50	QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*55*	*12-137*			*QSU,C*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*44*	*12-137*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*69*	*35-121*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*71*	*35-121*			*QSU*

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Work Order: RTH1150

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Blank Analyzed: 08/26/10 (Lab Number:10H1772-BLK1, Batch: 10H1772)											
2,4,5-T			0.50	0.15	ug/L	ND					
2,4,5-T [2C]			0.50	0.15	ug/L	ND					
2,4-D			0.50	0.40	ug/L	ND					
2,4-D [2C]			0.50	0.40	ug/L	ND					
Silvex (2,4,5-TP)			0.50	0.36	ug/L	ND					
Silvex (2,4,5-TP) [2C]			0.50	0.36	ug/L	ND					
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*89*	*19-128*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*74*	*19-128*			
LCS Analyzed: 08/26/10 (Lab Number:10H1772-BS1, Batch: 10H1772)											
2,4,5-T		2.00	0.50	0.15	ug/L	2.13	106	19-160			
2,4,5-T [2C]		2.00	0.50	0.15	ug/L	2.10	105	19-160			
2,4-D		2.00	0.50	0.40	ug/L	2.02	101	32-150			
2,4-D [2C]		2.00	0.50	0.40	ug/L	1.94	97	32-150			
Silvex (2,4,5-TP)		2.00	0.50	0.36	ug/L	2.09	104	25-137			
Silvex (2,4,5-TP) [2C]		2.00	0.50	0.36	ug/L	1.97	99	25-137			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*128*	*19-128*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*74*	*19-128*			
Matrix Spike Analyzed: 08/26/10 (Lab Number:10H1772-MS1, Batch: 10H1772)											
QC Source Sample: RTH1150-03											
2,4,5-T	ND	3.77	0.94	0.28	ug/L	2.16	57	19-160			
2,4,5-T [2C]	ND	3.77	0.94	0.28	ug/L	2.17	58	19-160			
2,4-D	ND	3.77	0.94	0.75	ug/L	1.81	48	32-150			
2,4-D [2C]	ND	3.77	0.94	0.75	ug/L	2.58	68	32-150			
Silvex (2,4,5-TP)	ND	3.77	0.94	0.68	ug/L	2.09	55	25-137			
Silvex (2,4,5-TP) [2C]	ND	3.77	0.94	0.68	ug/L	2.42	64	25-137			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*50*	*19-128*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*72*	*19-128*			
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1772-MSD1, Batch: 10H1772)											
QC Source Sample: RTH1150-03											
2,4,5-T	ND	3.77	0.94	0.28	ug/L	2.25	60	19-160	4	35	
2,4,5-T [2C]	ND	3.77	0.94	0.28	ug/L	2.34	62	19-160	7	35	
2,4-D	ND	3.77	0.94	0.75	ug/L	1.86	49	32-150	3	50	

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Work Order: RTH1150

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1772-MSD1, Batch: 10H1772)											
QC Source Sample: RTH1150-03											
2,4-D [2C]	ND	3.77	0.94	0.75	ug/L	2.03	54	32-150	24	50	
Silvex (2,4,5-TP)	ND	3.77	0.94	0.68	ug/L	2.04	54	25-137	2	35	
Silvex (2,4,5-TP) [2C]	ND	3.77	0.94	0.68	ug/L	2.55	67	25-137	5	35	
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*52*	*19-128*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/L*		*78*	*19-128*			

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Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/29/10 (Lab Number:10H1629-BLK1, Batch: 10H1629)											
Aluminum			0.200	NR	mg/L	ND					
Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Beryllium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Calcium			0.5	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Cobalt			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Iron			0.050	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Magnesium			0.200	NR	mg/L	ND					
Manganese			0.0030	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Thallium			0.0200	NR	mg/L	ND					
Vanadium			0.0050	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					
Blank Analyzed: 09/03/10 (Lab Number:10H1629-BLK2, Batch: 10H1629)											
Potassium			0.500	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					B9
Sodium			1.0	NR	mg/L	ND					
LCS Analyzed: 08/29/10 (Lab Number:10H1629-BS1, Batch: 10H1629)											
Aluminum		10.0	0.200	NR	mg/L	10.6	106	80-120			
Antimony		0.200	0.0200	NR	mg/L	0.225	112	80-120			
Arsenic		0.200	0.0100	NR	mg/L	0.221	111	80-120			
Barium		0.200	0.0020	NR	mg/L	0.226	113	80-120			
Beryllium		0.200	0.0020	NR	mg/L	0.218	109	80-120			
Cadmium		0.200	0.0010	NR	mg/L	0.205	102	80-120			
Calcium		10.0	0.5	NR	mg/L	10.5	105	80-120			
Chromium		0.200	0.0040	NR	mg/L	0.210	105	80-120			
Cobalt		0.200	0.0040	NR	mg/L	0.210	105	80-120			
Copper		0.200	0.0100	NR	mg/L	0.213	107	80-120			
Iron		10.0	0.050	NR	mg/L	10.2	102	80-120			
Lead		0.200	0.0050	NR	mg/L	0.215	108	80-120			
Magnesium		10.0	0.200	NR	mg/L	10.5	105	80-120			

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Work Order: RTH1150

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
LCS Analyzed: 08/29/10 (Lab Number:10H1629-BS1, Batch: 10H1629)											
Manganese		0.200	0.0030	NR	mg/L	0.211	106	80-120			
Nickel		0.200	0.0100	NR	mg/L	0.216	108	80-120			
Potassium		10.0	0.500	NR	mg/L	10.3	103	80-120			
Selenium		0.200	0.0150	NR	mg/L	0.218	109	80-120			
Silver		0.0500	0.0030	NR	mg/L	0.0549	110	80-120			B1
Thallium		0.200	0.0200	NR	mg/L	0.219	109	80-120			
Vanadium		0.200	0.0050	NR	mg/L	0.214	107	80-120			
Zinc		0.200	0.0100	NR	mg/L	0.211	106	80-120			
LCS Analyzed: 09/03/10 (Lab Number:10H1629-BS2, Batch: 10H1629)											
Sodium		10.0	1.0	NR	mg/L	10.5	105	80-120			
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1629-MS1, Batch: 10H1629)											
QC Source Sample: RTH1150-03											
Aluminum	0.0771	10.0	0.200	NR	mg/L	10.7	106	75-125			
Antimony	ND	0.200	0.0200	NR	mg/L	0.229	114	75-125			
Arsenic	ND	0.200	0.0100	NR	mg/L	0.222	111	75-125			
Barium	0.416	0.200	0.0020	NR	mg/L	0.656	120	75-125			
Beryllium	ND	0.200	0.0020	NR	mg/L	0.224	112	75-125			
Cadmium	ND	0.200	0.0010	NR	mg/L	0.206	103	75-125			
Calcium	239	10.0	0.5	NR	mg/L	255	156	75-125			MHA
Chromium	ND	0.200	0.0040	NR	mg/L	0.213	107	75-125			
Cobalt	ND	0.200	0.0040	NR	mg/L	0.212	106	75-125			
Copper	ND	0.200	0.0100	NR	mg/L	0.216	108	75-125			
Iron	1.69	10.0	0.050	NR	mg/L	12.1	104	75-125			
Lead	ND	0.200	0.0050	NR	mg/L	0.216	108	75-125			
Magnesium	26.2	10.0	0.200	NR	mg/L	37.2	110	75-125			
Manganese	0.866	0.200	0.0030	NR	mg/L	1.10	116	75-125			
Nickel	ND	0.200	0.0100	NR	mg/L	0.219	109	75-125			
Potassium	3.37	10.0	0.500	NR	mg/L	14.3	109	75-125			
Selenium	ND	0.200	0.0150	NR	mg/L	0.210	105	75-125			
Silver	ND	0.0500	0.0030	NR	mg/L	0.0566	113	75-125			B1
Sodium	6.49	10.0	1.0	NR	mg/L	16.9	104	75-125			
Thallium	ND	0.200	0.0200	NR	mg/L	0.219	109	75-125			
Vanadium	ND	0.200	0.0050	NR	mg/L	0.219	110	75-125			
Zinc	0.00196	0.200	0.0100	NR	mg/L	0.214	106	75-125			
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1629-MSD1, Batch: 10H1629)											
QC Source Sample: RTH1150-03											
Aluminum	0.0771	10.0	0.200	NR	mg/L	10.6	105	75-125	2	20	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1629-MSD1, Batch: 10H1629)											
QC Source Sample: RTH1150-03											
Antimony	ND	0.200	0.0200	NR	mg/L	0.229	115	75-125	0.1	20	
Arsenic	ND	0.200	0.0100	NR	mg/L	0.224	112	75-125	1	20	
Barium	0.416	0.200	0.0020	NR	mg/L	0.649	116	75-125	1	20	
Beryllium	ND	0.200	0.0020	NR	mg/L	0.223	111	75-125	0.7	20	
Cadmium	ND	0.200	0.0010	NR	mg/L	0.204	102	75-125	0.8	20	
Calcium	239	10.0	0.5	NR	mg/L	253	140	75-125	0.6	20	MHA
Chromium	ND	0.200	0.0040	NR	mg/L	0.212	106	75-125	0.7	20	
Cobalt	ND	0.200	0.0040	NR	mg/L	0.211	106	75-125	0.6	20	
Copper	ND	0.200	0.0100	NR	mg/L	0.214	107	75-125	1	20	
Iron	1.69	10.0	0.050	NR	mg/L	12.0	103	75-125	0.8	20	
Lead	ND	0.200	0.0050	NR	mg/L	0.212	106	75-125	2	20	
Magnesium	26.2	10.0	0.200	NR	mg/L	37.0	108	75-125	0.5	20	
Manganese	0.866	0.200	0.0030	NR	mg/L	1.09	112	75-125	0.6	20	
Nickel	ND	0.200	0.0100	NR	mg/L	0.217	108	75-125	0.9	20	
Potassium	3.37	10.0	0.500	NR	mg/L	14.1	107	75-125	2	20	
Selenium	ND	0.200	0.0150	NR	mg/L	0.215	107	75-125	2	20	
Silver	ND	0.0500	0.0030	NR	mg/L	0.0547	109	75-125	3	20	B1
Sodium	6.49	10.0	1.0	NR	mg/L	16.7	102	75-125	1	20	
Thallium	ND	0.200	0.0200	NR	mg/L	0.221	110	75-125	0.9	20	
Vanadium	ND	0.200	0.0050	NR	mg/L	0.218	109	75-125	0.8	20	
Zinc	0.00196	0.200	0.0100	NR	mg/L	0.213	106	75-125	0.6	20	
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/27/10 (Lab Number:10H1947-BLK1, Batch: 10H1947)											
Mercury			0.0002	NR	mg/L	ND					
LCS Analyzed: 08/27/10 (Lab Number:10H1947-BS1, Batch: 10H1947)											
Mercury		0.00667	0.0002	NR	mg/L	0.00708	106	80-120			
Matrix Spike Analyzed: 08/27/10 (Lab Number:10H1947-MS2, Batch: 10H1947)											
QC Source Sample: RTH1150-03											
Mercury	ND	0.00667	0.0002	NR	mg/L	0.00678	102	75-125			
Matrix Spike Dup Analyzed: 08/27/10 (Lab Number:10H1947-MSD2, Batch: 10H1947)											
QC Source Sample: RTH1150-03											
Mercury	ND	0.00667	0.0002	NR	mg/L	0.00707	106	75-125	4	20	
Total Metals by SW 846 Series Methods											

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 09/11/10 (Lab Number:10I0145-BLK1, Batch: 10I0145)											
Barium			0.0020	NR	mg/L	ND					
Sodium			1.0	NR	mg/L	ND					B
LCS Analyzed: 09/11/10 (Lab Number:10I0145-BS1, Batch: 10I0145)											
Barium		0.200	0.0020	NR	mg/L	0.190	95	80-120			
Sodium		10.0	1.0	NR	mg/L	9.45	95	80-120			
Matrix Spike Analyzed: 09/11/10 (Lab Number:10I0145-MS1, Batch: 10I0145)											
QC Source Sample: RTH1150-03RE1											
Barium	0.350	0.200	0.0020	NR	mg/L	0.507	79	75-125			
Sodium	5.74	10.0	1.0	NR	mg/L	14.9	92	75-125			
Matrix Spike Dup Analyzed: 09/11/10 (Lab Number:10I0145-MSD1, Batch: 10I0145)											
QC Source Sample: RTH1150-03RE1											
Barium	0.350	0.200	0.0020	NR	mg/L	0.517	84	75-125	2	20	
Sodium	5.74	10.0	1.0	NR	mg/L	15.2	94	75-125	1	20	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt ____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: Turnkey	Project Manager: Mike Lesakowski	Date: 8/19/10	Chain of Custody Number: 178232
Address: 2558 Hamburg Turnpike Suite 300	Telephone Number (Area Code)/Fax Number: (716) 856-0599 (716) 856-0583	Lab Number:	Page 1 of 1
City: Buffalo	State: NY Zip Code: 14218	Site Contact: Paul Wilkelman	Lab Contact: B Fischer
Project Name and Location (State): Scott Rotary Park Olean NY	Carrier/Waybill Number:	Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.: 0189-001-102			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCL+Styr, TIC VOAs	TCL SVOC + TICs	TAL Metals	Pest	Herb	PCBs	Special Instructions/ Conditions of Receipt
MW-1	8/19/10	13:56		X			8		1	3									
MW-2		11:35		X			8		1	3									
MW-3 (MS/MSD)		10:00		X			24		3	9									
Blind Duplicate	↓	9:00		Y			8		1	3									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify): Cat B deliverables

	Date	Time		Date	Time
1. Relinquished By: Paul Wilkelman	8/19/10	17:00	1. Received By:	08-20-10	10:15
2. Relinquished By:	08-20-10	12:40	2. Received By:	8-20-10	1240
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: 5 @ 15.1°C

DISTRIBUTION: WHITE - Returned to Client with Report CANARY - Stays with the Samples; Pink - Field Copy

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-853-1
Client Project/Site: Turnkey - Scott Rotary; Olean, NY site

For:
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Project Manager Michael Lesakowski

Authorized for release by:
1/29/2011 10:13 AM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com

Table of Contents

Qualifier Definition/Glossary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Job ID: 480-853-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-853-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The method blank for batch 2820 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Xylenes, Total and 1,2-Dichloroethene, Total are summary analytes and therefore are not calibrated for by the laboratory. They will be present within the results section of the final report but will not be included in the Laboratory Control Sample (LCS) or Matrix Spike/Matrix Spike Duplicate (MS/MSD) spike lists. Only their component isomers (m&p-xylenes, o-xylene; cis-1,2-Dichloroethene, trans-1,2-Dichloroethene) are calibrated for and will be included on these spike lists.

Method(s) 8260B: The following samples were analyzed at 0.5g due to the abundance of non-target analytes: MW-7 (17-18) (480-853-1), MW-8 (19-21) (480-853-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Client Sample ID: MW-7 (17-18) — Lab Sample ID: 480-853-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	76	J	250	42	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	71	B	50	23	ug/Kg	1	☼	8260B	Total/NA
tert-Butylbenzene	7.7	J	50	5.2	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: MW-8 (19-21) — Lab Sample ID: 480-853-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	64	J	240	40	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	48	B	47	22	ug/Kg	1	☼	8260B	Total/NA
tert-Butylbenzene	30	J	47	4.9	ug/Kg	1	☼	8260B	Total/NA

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Client Sample ID: MW-7 (17-18)
Date Collected: 01/11/11 15:30
Date Received: 01/13/11 10:25

Lab Sample ID: 480-853-1
Matrix: Solid
Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	3.7	ug/Kg	☼		01/18/11 02:46	1
1,1,2,2-Tetrachloroethane	ND		50	8.2	ug/Kg	☼		01/18/11 02:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	11	ug/Kg	☼		01/18/11 02:46	1
1,1,2-Trichloroethane	ND		50	6.5	ug/Kg	☼		01/18/11 02:46	1
1,1-Dichloroethane	ND		50	6.1	ug/Kg	☼		01/18/11 02:46	1
1,1-Dichloroethene	ND		50	6.2	ug/Kg	☼		01/18/11 02:46	1
1,2,4-Trichlorobenzene	ND		50	3.1	ug/Kg	☼		01/18/11 02:46	1
1,2,4-Trimethylbenzene	ND		50	9.7	ug/Kg	☼		01/18/11 02:46	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg	☼		01/18/11 02:46	1
1,2-Dibromoethane	ND		50	6.5	ug/Kg	☼		01/18/11 02:46	1
1,2-Dichlorobenzene	ND		50	3.9	ug/Kg	☼		01/18/11 02:46	1
1,2-Dichloroethane	ND		50	2.5	ug/Kg	☼		01/18/11 02:46	1
1,2-Dichloropropane	ND		50	25	ug/Kg	☼		01/18/11 02:46	1
1,3,5-Trimethylbenzene	ND		50	3.2	ug/Kg	☼		01/18/11 02:46	1
1,3-Dichlorobenzene	ND		50	2.6	ug/Kg	☼		01/18/11 02:46	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg	☼		01/18/11 02:46	1
2-Butanone (MEK)	ND		250	18	ug/Kg	☼		01/18/11 02:46	1
2-Hexanone	ND		250	25	ug/Kg	☼		01/18/11 02:46	1
4-Isopropyltoluene	ND		50	4.0	ug/Kg	☼		01/18/11 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼		01/18/11 02:46	1
Acetone	**76**	**J**	250	42	ug/Kg	☼		01/18/11 02:46	1
Benzene	ND		50	2.5	ug/Kg	☼		01/18/11 02:46	1
Bromodichloromethane	ND		50	6.7	ug/Kg	☼		01/18/11 02:46	1
Bromoform	ND		50	25	ug/Kg	☼		01/18/11 02:46	1
Bromomethane	ND		50	4.5	ug/Kg	☼		01/18/11 02:46	1
Carbon disulfide	ND		50	25	ug/Kg	☼		01/18/11 02:46	1
Carbon tetrachloride	ND		50	4.9	ug/Kg	☼		01/18/11 02:46	1
Chlorobenzene	ND		50	6.6	ug/Kg	☼		01/18/11 02:46	1
Chloroethane	ND		50	11	ug/Kg	☼		01/18/11 02:46	1
Chloroform	ND		50	3.1	ug/Kg	☼		01/18/11 02:46	1
Chloromethane	ND		50	3.0	ug/Kg	☼		01/18/11 02:46	1
cis-1,2-Dichloroethene	ND		50	6.4	ug/Kg	☼		01/18/11 02:46	1
cis-1,3-Dichloropropene	ND		50	7.2	ug/Kg	☼		01/18/11 02:46	1
Cyclohexane	ND		50	7.0	ug/Kg	☼		01/18/11 02:46	1
Dibromochloromethane	ND		50	6.4	ug/Kg	☼		01/18/11 02:46	1
Dichlorodifluoromethane	ND		50	4.2	ug/Kg	☼		01/18/11 02:46	1
Ethylbenzene	ND		50	3.5	ug/Kg	☼		01/18/11 02:46	1
Isopropylbenzene	ND		50	7.6	ug/Kg	☼		01/18/11 02:46	1
m,p-Xylene	ND		100	8.5	ug/Kg	☼		01/18/11 02:46	1
Methyl acetate	ND		50	9.4	ug/Kg	☼		01/18/11 02:46	1
Methyl tert-butyl ether	ND		50	4.9	ug/Kg	☼		01/18/11 02:46	1
Methylcyclohexane	ND		50	7.6	ug/Kg	☼		01/18/11 02:46	1
Methylene Chloride	**71**	**B**	50	23	ug/Kg	☼		01/18/11 02:46	1
n-Butylbenzene	ND		50	4.4	ug/Kg	☼		01/18/11 02:46	1
N-Propylbenzene	ND		50	4.0	ug/Kg	☼		01/18/11 02:46	1
o-Xylene	ND		50	6.6	ug/Kg	☼		01/18/11 02:46	1
sec-Butylbenzene	ND		50	4.4	ug/Kg	☼		01/18/11 02:46	1
Styrene	ND		50	2.5	ug/Kg	☼		01/18/11 02:46	1
tert-Butylbenzene	**7.7**	**J**	50	5.2	ug/Kg	☼		01/18/11 02:46	1
Tetrachloroethene	ND		50	6.8	ug/Kg	☼		01/18/11 02:46	1

Client Sample ID: MW-7 (17-18)

Lab Sample ID: 480-853-1
Date Collected: 01/11/11 15:30
Matrix: Solid
Date Received: 01/13/11 10:25
Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		50	3.8	ug/Kg	☼		01/18/11 02:46	1
trans-1,2-Dichloroethene	ND		50	5.2	ug/Kg	☼		01/18/11 02:46	1
trans-1,3-Dichloropropene	ND		50	22	ug/Kg	☼		01/18/11 02:46	1
Trichloroethene	ND		50	11	ug/Kg	☼		01/18/11 02:46	1
Trichlorofluoromethane	ND		50	4.8	ug/Kg	☼		01/18/11 02:46	1
Vinyl chloride	ND		50	6.1	ug/Kg	☼		01/18/11 02:46	1
Xylenes, Total	ND		100	8.5	ug/Kg	☼		01/18/11 02:46	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*300*	*T J*	*ug/Kg*	☼	*9.54*			*01/18/11 02:46*	*1*
Cyclohexane, 1-methyl-2-propyl-	*240*	*T J N*	*ug/Kg*	☼	*10.08*	*4291-79-6*		*01/18/11 02:46*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*10.14*			*01/18/11 02:46*	*1*
Naphthalene, decahydro-	*590*	*T J N*	*ug/Kg*	☼	*11.16*	*91-17-8*		*01/18/11 02:46*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*11.57*			*01/18/11 02:46*	*1*
trans-Decalin, 2-methyl-	*290*	*T J N*	*ug/Kg*	☼	*11.68*	*1000152-47-3*		*01/18/11 02:46*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*12.11*			*01/18/11 02:46*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*12.64*			*01/18/11 02:46*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*13.62*			*01/18/11 02:46*	*1*
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	*330*	*T J N*	*ug/Kg*	☼	*13.84*	*13065-7-1*		*01/18/11 02:46*	*1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*		*01/18/11 02:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*		*01/18/11 02:46*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*		*01/18/11 02:46*	*1*

Client Sample ID: MW-8 (19-21)

Lab Sample ID: 480-853-2
Date Collected: 01/11/11 11:00
Matrix: Solid
Date Received: 01/13/11 10:25
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		47	3.4	ug/Kg	☼		01/18/11 03:11	1
1,1,2,2-Tetrachloroethane	ND		47	7.6	ug/Kg	☼		01/18/11 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47	11	ug/Kg	☼		01/18/11 03:11	1
1,1,2-Trichloroethane	ND		47	6.1	ug/Kg	☼		01/18/11 03:11	1
1,1-Dichloroethane	ND		47	5.7	ug/Kg	☼		01/18/11 03:11	1
1,1-Dichloroethene	ND		47	5.8	ug/Kg	☼		01/18/11 03:11	1
1,2,4-Trichlorobenzene	ND		47	2.9	ug/Kg	☼		01/18/11 03:11	1
1,2,4-Trimethylbenzene	ND		47	9.0	ug/Kg	☼		01/18/11 03:11	1
1,2-Dibromo-3-Chloropropane	ND		47	24	ug/Kg	☼		01/18/11 03:11	1
1,2-Dibromoethane	ND		47	6.0	ug/Kg	☼		01/18/11 03:11	1
1,2-Dichlorobenzene	ND		47	3.7	ug/Kg	☼		01/18/11 03:11	1
1,2-Dichloroethane	ND		47	2.4	ug/Kg	☼		01/18/11 03:11	1
1,2-Dichloropropane	ND		47	24	ug/Kg	☼		01/18/11 03:11	1
1,3,5-Trimethylbenzene	ND		47	3.0	ug/Kg	☼		01/18/11 03:11	1
1,3-Dichlorobenzene	ND		47	2.4	ug/Kg	☼		01/18/11 03:11	1
1,4-Dichlorobenzene	ND		47	6.6	ug/Kg	☼		01/18/11 03:11	1
2-Butanone (MEK)	ND		240	17	ug/Kg	☼		01/18/11 03:11	1
2-Hexanone	ND		240	24	ug/Kg	☼		01/18/11 03:11	1
4-Isopropyltoluene	ND		47	3.8	ug/Kg	☼		01/18/11 03:11	1

Client Sample ID: MW-8 (19-21)
Date Collected: 01/11/11 11:00
Date Received: 01/13/11 10:25

Lab Sample ID: 480-853-2
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		240	15	ug/Kg	☼		01/18/11 03:11	1
Acetone	**64**	**J**	240	40	ug/Kg	☼		01/18/11 03:11	1
Benzene	ND		47	2.3	ug/Kg	☼		01/18/11 03:11	1
Bromodichloromethane	ND		47	6.3	ug/Kg	☼		01/18/11 03:11	1
Bromoform	ND		47	24	ug/Kg	☼		01/18/11 03:11	1
Bromomethane	ND		47	4.2	ug/Kg	☼		01/18/11 03:11	1
Carbon disulfide	ND		47	24	ug/Kg	☼		01/18/11 03:11	1
Carbon tetrachloride	ND		47	4.6	ug/Kg	☼		01/18/11 03:11	1
Chlorobenzene	ND		47	6.2	ug/Kg	☼		01/18/11 03:11	1
Chloroethane	ND		47	11	ug/Kg	☼		01/18/11 03:11	1
Chloroform	ND		47	2.9	ug/Kg	☼		01/18/11 03:11	1
Chloromethane	ND		47	2.8	ug/Kg	☼		01/18/11 03:11	1
cis-1,2-Dichloroethene	ND		47	6.0	ug/Kg	☼		01/18/11 03:11	1
cis-1,3-Dichloropropene	ND		47	6.8	ug/Kg	☼		01/18/11 03:11	1
Cyclohexane	ND		47	6.6	ug/Kg	☼		01/18/11 03:11	1
Dibromochloromethane	ND		47	6.0	ug/Kg	☼		01/18/11 03:11	1
Dichlorodifluoromethane	ND		47	3.9	ug/Kg	☼		01/18/11 03:11	1
Ethylbenzene	ND		47	3.2	ug/Kg	☼		01/18/11 03:11	1
Isopropylbenzene	ND		47	7.1	ug/Kg	☼		01/18/11 03:11	1
m,p-Xylene	ND		94	7.9	ug/Kg	☼		01/18/11 03:11	1
Methyl acetate	ND		47	8.7	ug/Kg	☼		01/18/11 03:11	1
Methyl tert-butyl ether	ND		47	4.6	ug/Kg	☼		01/18/11 03:11	1
Methylcyclohexane	ND		47	7.1	ug/Kg	☼		01/18/11 03:11	1
Methylene Chloride	**48**	**B**	47	22	ug/Kg	☼		01/18/11 03:11	1
n-Butylbenzene	ND		47	4.1	ug/Kg	☼		01/18/11 03:11	1
N-Propylbenzene	ND		47	3.8	ug/Kg	☼		01/18/11 03:11	1
o-Xylene	ND		47	6.1	ug/Kg	☼		01/18/11 03:11	1
sec-Butylbenzene	ND		47	4.1	ug/Kg	☼		01/18/11 03:11	1
Styrene	ND		47	2.4	ug/Kg	☼		01/18/11 03:11	1
tert-Butylbenzene	**30**	**J**	47	4.9	ug/Kg	☼		01/18/11 03:11	1
Tetrachloroethene	ND		47	6.3	ug/Kg	☼		01/18/11 03:11	1
Toluene	ND		47	3.6	ug/Kg	☼		01/18/11 03:11	1
trans-1,2-Dichloroethene	ND		47	4.9	ug/Kg	☼		01/18/11 03:11	1
trans-1,3-Dichloropropene	ND		47	21	ug/Kg	☼		01/18/11 03:11	1
Trichloroethene	ND		47	10	ug/Kg	☼		01/18/11 03:11	1
Trichlorofluoromethane	ND		47	4.4	ug/Kg	☼		01/18/11 03:11	1
Vinyl chloride	ND		47	5.7	ug/Kg	☼		01/18/11 03:11	1
Xylenes, Total	ND		94	7.9	ug/Kg	☼		01/18/11 03:11	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*810*	*T J*	*ug/Kg*	☼	*10.66*			*01/18/11 03:11*	*1*
Naphthalene, decahydro-	*1600*	*T J N*	*ug/Kg*	☼	*11.16*	*91-17-8*		*01/18/11 03:11*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*11.35*			*01/18/11 03:11*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.57*			*01/18/11 03:11*	*1*
trans-Decalin, 2-methyl-	*950*	*T J N*	*ug/Kg*	☼	*11.69*	*1000152-47-3*		*01/18/11 03:11*	*1*
Benzene, 1,2,4,5-tetramethyl-	*2000*	*T J N*	*ug/Kg*	☼	*11.79*	*95-93-2*		*01/18/11 03:11*	*1*
Dodecane, 6-methyl-	*2300*	*T J N*	*ug/Kg*	☼	*12.15*	*6044-71-9*		*01/18/11 03:11*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*12.46*			*01/18/11 03:11*	*1*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*12.65*			*01/18/11 03:11*	*1*
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	*690*	*T J N*	*ug/Kg*	☼	*13.84*	*13065-7-1*		*01/18/11 03:11*	*1*

Client Sample ID: MW-8 (19-21)
Date Collected: 01/11/11 11:00
Date Received: 01/13/11 10:25

Lab Sample ID: 480-853-2
Matrix: Solid
Percent Solids: 91.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		64 - 126		01/18/11 03:11	1
4-Bromofluorobenzene (Surr)	89		72 - 126		01/18/11 03:11	1
Toluene-d8 (Surr)	89		71 - 125		01/18/11 03:11	1

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Method: 8260B - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(71-125)
480-853-1	MW-7 (17-18)	97	96	96
480-853-2	MW-8 (19-21)	85	89	89
LCS 480-2820/4	LCS 480-2820/4	101	101	100
MB 480-2820/5	MB 480-2820/5	91	90	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-2820/5
Matrix: Solid
Analysis Batch: 2820

Client Sample ID: MB 480-2820/5
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			01/17/11 20:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			01/17/11 20:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			01/17/11 20:50	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			01/17/11 20:50	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			01/17/11 20:50	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			01/17/11 20:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			01/17/11 20:50	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg			01/17/11 20:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			01/17/11 20:50	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			01/17/11 20:50	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			01/17/11 20:50	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			01/17/11 20:50	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			01/17/11 20:50	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg			01/17/11 20:50	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			01/17/11 20:50	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			01/17/11 20:50	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			01/17/11 20:50	1
2-Hexanone	ND		25	2.5	ug/Kg			01/17/11 20:50	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg			01/17/11 20:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			01/17/11 20:50	1
Acetone	ND		25	4.2	ug/Kg			01/17/11 20:50	1
Benzene	ND		5.0	0.24	ug/Kg			01/17/11 20:50	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			01/17/11 20:50	1
Bromoform	ND		5.0	2.5	ug/Kg			01/17/11 20:50	1
Bromomethane	ND		5.0	0.45	ug/Kg			01/17/11 20:50	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			01/17/11 20:50	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			01/17/11 20:50	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			01/17/11 20:50	1
Chloroethane	ND		5.0	1.1	ug/Kg			01/17/11 20:50	1
Chloroform	ND		5.0	0.31	ug/Kg			01/17/11 20:50	1
Chloromethane	ND		5.0	0.30	ug/Kg			01/17/11 20:50	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			01/17/11 20:50	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			01/17/11 20:50	1
Cyclohexane	ND		5.0	0.70	ug/Kg			01/17/11 20:50	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			01/17/11 20:50	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			01/17/11 20:50	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			01/17/11 20:50	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			01/17/11 20:50	1
m,p-Xylene	ND		10	0.84	ug/Kg			01/17/11 20:50	1
Methyl acetate	ND		5.0	0.93	ug/Kg			01/17/11 20:50	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			01/17/11 20:50	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			01/17/11 20:50	1
Methylene Chloride	2.47	J	5.0	2.3	ug/Kg			01/17/11 20:50	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg			01/17/11 20:50	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg			01/17/11 20:50	1
o-Xylene	ND		5.0	0.65	ug/Kg			01/17/11 20:50	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg			01/17/11 20:50	1
Styrene	ND		5.0	0.25	ug/Kg			01/17/11 20:50	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg			01/17/11 20:50	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-2820/5
Matrix: Solid
Analysis Batch: 2820

Client Sample ID: MB 480-2820/5
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.67	ug/Kg			01/17/11 20:50	1
Toluene	ND		5.0	0.38	ug/Kg			01/17/11 20:50	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			01/17/11 20:50	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			01/17/11 20:50	1
Trichloroethene	ND		5.0	1.1	ug/Kg			01/17/11 20:50	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			01/17/11 20:50	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			01/17/11 20:50	1
Xylenes, Total	ND		10	0.84	ug/Kg			01/17/11 20:50	1

Tenatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*42.0*	*T J*	*ug/Kg*		*5.24*			*01/17/11 20:50*	*1*
Naphthalene	*1.21*	*J*	*ug/Kg*		*12.82*	*91-20-3*		*01/17/11 20:50*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 126*		*01/17/11 20:50*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*		*01/17/11 20:50*	*1*
Toluene-d8 (Surr)	*92*		*71 - 125*		*01/17/11 20:50*	*1*

Lab Sample ID: LCS 480-2820/4
Matrix: Solid
Analysis Batch: 2820

Client Sample ID: LCS 480-2820/4
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	50.0	50.3		ug/Kg		101	79 - 126
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	65 - 153
1,2,4-Trimethylbenzene	50.0	48.8		ug/Kg		98	74 - 120
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	53.0		ug/Kg		106	77 - 122
Benzene	50.0	52.1		ug/Kg		104	79 - 127
Chlorobenzene	50.0	50.4		ug/Kg		101	76 - 124
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 117
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 120
m,p-Xylene	100	101		ug/Kg		101	70 - 130
Methyl tert-butyl ether	50.0	47.6		ug/Kg		95	63 - 125
o-Xylene	50.0	50.8		ug/Kg		102	70 - 130
Tetrachloroethene	50.0	50.6		ug/Kg		101	74 - 122
Toluene	50.0	46.9		ug/Kg		94	74 - 128
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	78 - 126
Trichloroethene	50.0	51.8		ug/Kg		104	77 - 129

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Toluene-d8 (Surr)	*100*		*71 - 125*

QC Association Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

GC/MS VOA

Analysis Batch: 2820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-853-1	MW-7 (17-18)	Total/NA	Solid	8260B	
480-853-2	MW-8 (19-21)	Total/NA	Solid	8260B	
LCS 480-2820/4	LCS 480-2820/4	Total/NA	Solid	8260B	
MB 480-2820/5	MB 480-2820/5	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 2690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-853-1	MW-7 (17-18)	Total/NA	Solid	Moisture	
480-853-2	MW-8 (19-21)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Client Sample ID: MW-7 (17-18)

Lab Sample ID: 480-853-1
Date Collected: 01/11/11 15:30
Matrix: Solid
Date Received: 01/13/11 10:25
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	2820	01/18/11 02:46	PJQ	TestAmerica Buffalo
Total/NA	Analysis	Moisture		1	2690	01/13/11 18:39	AS	TestAmerica Buffalo

Client Sample ID: MW-8 (19-21)

Lab Sample ID: 480-853-2
Date Collected: 01/11/11 11:00
Matrix: Solid
Date Received: 01/13/11 10:25
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	2820	01/18/11 03:11	PJQ	TestAmerica Buffalo
Total/NA	Analysis	Moisture		1	2690	01/13/11 18:39	AS	TestAmerica Buffalo

Certification Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica Buffalo		USDA		P330-08-00242	11/25/11
TestAmerica Buffalo	Arkansas	State Program	6	88-0686	07/06/11
TestAmerica Buffalo	California	NELAC	9	1169CA	09/30/11
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568	09/30/12
TestAmerica Buffalo	Florida	NELAC	4	E87672	06/30/11
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A	03/31/11
TestAmerica Buffalo	Georgia	State Program	4	956	04/01/10
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003	09/30/11
TestAmerica Buffalo	Iowa	State Program	7	374	03/01/11
TestAmerica Buffalo	Kansas	NELAC	7	E-10187	01/31/11
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30	04/12/12
TestAmerica Buffalo	Louisiana	NELAC	6	02031	06/30/11
TestAmerica Buffalo	Maine	State Program	1	NY0044	12/04/12
TestAmerica Buffalo	Maryland	State Program	3	294	03/31/11
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044	06/30/11
TestAmerica Buffalo	Michigan	State Program	5	9937	04/01/11
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337	12/31/11
TestAmerica Buffalo	New Hampshire	NELAC	1	2337	09/11/11
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281	11/17/11
TestAmerica Buffalo	New Jersey	NELAC	2	NY455	06/30/11
TestAmerica Buffalo	New York	NELAC	2	10026	04/01/11
TestAmerica Buffalo	North Dakota	State Program	8	R-176	03/31/11
TestAmerica Buffalo	Oklahoma	State Program	6	9421	09/30/11
TestAmerica Buffalo	Oregon	NELAC	10	NY200003	06/10/11
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281	07/31/11
TestAmerica Buffalo	Tennessee	State Program	4	TN02970	03/31/11
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX	07/31/11
TestAmerica Buffalo	Virginia	State Program	3	278	06/30/11
TestAmerica Buffalo	Washington	State Program	10	C1677	02/10/11
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252	09/30/11
TestAmerica Buffalo	Wisconsin	State Program	5	998310390	08/31/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-853-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-853-1	MW-7 (17-18)	Solid	01/11/11 15:30	01/13/11 10:25
480-853-2	MW-8 (19-21)	Solid	01/11/11 11:00	01/13/11 10:25

Login Sample Receipt Check List

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-853-1

Login Number: 853

List Source: TestAmerica Buffalo

Creator: Wienke, Robert

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Analytical Report

Work Order: RTH1210

Project Description

Benchmark-350 Franklin St./Olean, NY site

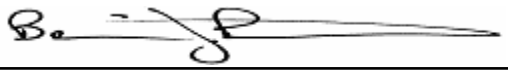
For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, September 13, 2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

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CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/kg dry	170	330

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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C4	Calibration Verification recovery was below the method control limit for this analyte.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D02	Dilution required due to sample matrix effects
D04	Dilution required due to high levels of non-target compounds
D08	Dilution required due to high concentration of target analyte(s)
D10	Dilution required due to sample color
D12	Dilution required due to sample viscosity
ID4	Benzo(b)fluoranthene coelutes with Benzo(k)fluoranthene. The reported result is a summation of the isomers and the concentration is based on the response factor of Benzo(b)fluoranthene
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M4	The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R2	The RPD exceeded the acceptance limit.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
Z5	Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-01 (SB-15 (17-20) - Solid)					**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**84000**	W1, D08	210	98	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
sec-Butylbenzene	**780**	W1, D08	210	77	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
tert-Butylbenzene	**270**	W1, D08	210	58	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Fluorene	**430**	D02,J	3600	82	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Phenanthrene	**740**	D02,J	3600	75	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 13:47	JRR	10H1650	Dry Weight
Sample ID: RTH1210-01RE1 (SB-15 (17-20) - Solid)					**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**90000**	D08, W1	2100	980	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Sample ID: RTH1210-02 (SB-23 (15-18) - Solid)					**Sampled: 08/19/10 10:45**		**Recvd: 08/23/10 14:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**17000**	W1, D04	220	100	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
sec-Butylbenzene	**380**	W1, D04	220	79	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
tert-Butylbenzene	**150**	W1, D04,J	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	**1000**	D02,J	1900	600	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Fluorene	**340**	D02,J	1900	43	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Phenanthrene	**580**	D02,J	1900	39	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/24/10 13:49	JRR	10H1650	Dry Weight
Sample ID: RTH1210-03 (SB-21 (20-22) - Solid)					**Sampled: 08/19/10 14:30**		**Recvd: 08/23/10 14:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**1900**	W1, D04	210	98	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
tert-Butylbenzene	**130**	W1, D04,J	210	58	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Phenanthrene	**780**	D02,J	3600	74	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/24/10 13:51	JRR	10H1650	Dry Weight
Sample ID: RTH1210-04 (SB-20 (16-20) - Solid)					**Sampled: 08/19/10 16:00**		**Recvd: 08/23/10 14:15**			
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 13:53	JRR	10H1650	Dry Weight
Sample ID: RTH1210-05 (SB-13 (6-8) - Solid)					**Sampled: 08/20/10 08:00**		**Recvd: 08/23/10 14:15**			
Semivolatile Organics by GC/MS										

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Received: 08/23/10
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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-05 (SB-13 (6-8) - Solid) - cont.					**Sampled: 08/20/10 08:00**			**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Bis(2-ethylhexyl) phthalate	**76**	J	190	60	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	08/24/10 13:55	JRR	10H1650	Dry Weight
Sample ID: RTH1210-06 (SB-13 (18-20) - Solid)					**Sampled: 08/20/10 08:45**			**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	**440**		190	62	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Fluorene	**14**	J	190	4.4	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Phenanthrene	**29**	J	190	4.0	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**87**		0.010	NR	%	1.00	08/24/10 13:57	JRR	10H1650	Dry Weight
Sample ID: RTH1210-07 (SB-24 (8-12) - Solid)					**Sampled: 08/20/10 09:20**			**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**110**	W1	100	48	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
tert-Butylbenzene	**66**	W1,J	100	29	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 13:59	JRR	10H1650	Dry Weight
Sample ID: RTH1210-08 (SB-24 (20-23) - Solid)					**Sampled: 08/20/10 09:40**			**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**4300**	W1	100	48	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
tert-Butylbenzene	**200**	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Phenanthrene	**700**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:01	JRR	10H1650	Dry Weight
Sample ID: RTH1210-09 (SB-17 (23-26) - Solid)					**Sampled: 08/20/10 12:00**			**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	**290**		180	57	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Phenanthrene	**46**	J	180	3.7	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:03	JRR	10H1650	Dry Weight
Sample ID: RTH1210-10 (SB-18 (24-28) - Solid)					**Sampled: 08/20/10 13:30**			**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS										

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-10 (SB-18 (24-28) - Solid) - cont.						**Sampled: 08/20/10 13:30**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Bis(2-ethylhexyl) phthalate	**1300**		180	57	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Fluorene	**83**	J	180	4.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Phenanthrene	**230**		180	3.7	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:05	JRR	10H1650	Dry Weight
Sample ID: RTH1210-11 (SB-16 (20-24) - Solid)						**Sampled: 08/20/10 16:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**1900**	W1	100	49	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
tert-Butylbenzene	**100**	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Phenanthrene	**430**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:07	JRR	10H1650	Dry Weight
Sample ID: RTH1210-12 (SS-4 - Solid)						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**4.6**	J	5.3	2.4	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**910**	D12	900	15	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(a)pyrene	**1500**	D12	900	22	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(b)fluoranthene	**1000**	D12,ID4	900	17	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(ghi)perylene	**2100**	D12	900	11	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Chrysene	**1500**	D12	900	8.9	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	**1500**	D12	900	11	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Fluoranthene	**350**	D12,J	900	13	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**920**	D12	900	25	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Phenanthrene	**280**	D12,J	900	19	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Pyrene	**510**	D12,J	900	5.8	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDE	**2.6**	QFL, D10,J, B	8.7	1.3	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
4,4'-DDT	**5.6**	QFL, D10,J	8.7	0.88	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
alpha-BHC	**2.7**	QFL, D10,J, B	8.7	1.6	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endrin	**1.8**	QFL, D10,J	8.7	1.2	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**8180**		11.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Arsenic	**21.1**		2.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Barium	**132**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Beryllium	**0.741**		0.220	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B

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Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-12 (SS-4 - Solid) - cont.						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Total Metals by SW 846 Series Methods - cont.										
Calcium	**3210**		55.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Chromium	**8.98**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Cobalt	**6.67**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Copper	**167**		1.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Iron	**16900**	B1	11.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Lead	**93.5**		1.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Magnesium	**1500**		22.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Manganese	**429**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Nickel	**13.6**		5.51	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Potassium	**695**		33.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Vanadium	**18.1**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Zinc	**114**		2.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Mercury	**0.191**		0.0216	NR	mg/kg dry	1.00	08/24/10 17:54	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:09	JRR	10H1650	Dry Weight
Sample ID: RTH1210-13 (SS-3 - Solid)						**Sampled: 08/20/10 16:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS										
Benzo(b)fluoranthene	**880**	D12,ID4, J	7400	140	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzo(ghi)perylene	**930**	D12,J	7400	89	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Pyrene	**710**	D12,J	7400	48	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Total Metals by SW 846 Series Methods										
Aluminum	**6800**		11.4	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Arsenic	**42.4**		2.3	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Barium	**96.8**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Beryllium	**0.455**		0.227	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Cadmium	**0.329**		0.227	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Calcium	**9190**		56.8	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Chromium	**16.0**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Cobalt	**5.60**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Copper	**173**		1.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Iron	**27800**	B1	11.4	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Lead	**518**		1.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Magnesium	**2550**		22.7	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Manganese	**282**		0.2	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Nickel	**16.8**		5.68	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Potassium	**583**		34.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Vanadium	**20.4**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Zinc	**142**		2.3	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Mercury	**1.93**	D08	0.111	NR	mg/kg dry	5.00	08/24/10 18:14	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	08/24/10 14:11	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid)						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**3.3**	J	5.2	0.80	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Semivolatile Organics by GC/MS										
Acenaphthene	**250**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Anthracene	**450**	D12,J	1800	46	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(a)anthracene	**1300**	D12,J	1800	31	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(a)pyrene	**1500**	D12,J	1800	43	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(b)fluoranthene	**1600**	D12,J	1800	35	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(ghi)perylene	**1100**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(k)fluoranthene	**600**	D12,J	1800	20	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Carbazole	**230**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Chrysene	**1400**	D12,J	1800	18	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Fluoranthene	**2900**	D12	1800	26	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Fluorene	**170**	D12,J	1800	41	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**810**	D12,J	1800	49	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Phenanthrene	**2000**	D12	1800	37	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Pyrene	**2700**	D12	1800	12	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDE	**2.6**	QFL, D10,J, B	8.7	1.3	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
4,4'-DDT	**7.4**	QFL, D10,J	8.7	0.89	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**7340**		11.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Arsenic	**30.7**		2.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Barium	**84.9**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Beryllium	**0.406**		0.221	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Cadmium	**0.310**		0.221	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Calcium	**21000**		55.4	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Chromium	**10.0**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Cobalt	**4.82**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Copper	**63.9**		1.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Iron	**16900**	B1	11.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Lead	**93.9**		1.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Magnesium	**5280**		22.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Manganese	**437**		0.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Nickel	**14.2**		5.54	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Potassium	**1020**		33.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Vanadium	**20.0**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Zinc	**142**		2.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Mercury	**0.872**		0.0220	NR	mg/kg dry	1.00	08/24/10 17:58	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:13	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-15 (SS-1 - Solid)						**Sampled: 08/20/10 17:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
2-Butanone	**36**		28	2.1	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Acetone	**71**		28	4.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methylcyclohexane	**20**		5.6	0.86	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methylene Chloride	**6.3**		5.6	2.6	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**160**	D12,J	950	16	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(a)pyrene	**170**	D12,J	950	23	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(b)fluoranthene	**280**	D12,ID4, J	950	18	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(ghi)perylene	**160**	D12,J	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Chrysene	**190**	D12,J	950	9.4	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Fluoranthene	**300**	D12,J	950	14	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**130**	D12,J	950	26	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Phenanthrene	**170**	D12,J	950	20	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Pyrene	**270**	D12,J	950	6.1	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDT	**6.1**	QFL, D10,J	9.3	0.95	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
alpha-BHC	**2.6**	QFL, D10,J, B	9.3	1.7	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**9390**		11.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Arsenic	**18.5**		2.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Barium	**82.1**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Beryllium	**0.406**		0.222	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Calcium	**5520**		55.6	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Chromium	**9.59**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Cobalt	**6.61**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Copper	**53.1**		1.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Iron	**17800**	B1	11.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Lead	**69.0**		1.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Magnesium	**2550**		22.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Manganese	**546**		0.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Nickel	**13.5**		5.56	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Potassium	**692**		33.4	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Vanadium	**16.2**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Zinc	**87.1**		2.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Mercury	**0.571**		0.0227	NR	mg/kg dry	1.00	08/24/10 17:59	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/24/10 14:15	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-16 (SB-1 (20-24) - Solid)					**Sampled: 08/20/10 15:00**			**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	**240**		180	59	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/24/10 14:17	JRR	10H1650	Dry Weight
Sample ID: RTH1210-17 (SB-2 (16-20) - Solid)					**Sampled: 08/20/10 15:45**			**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**810**	W1	110	49	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
sec-Butylbenzene	**88**	W1,J	110	39	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
Phenanthrene	**480**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:19	JRR	10H1650	Dry Weight

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SB-15 (17-20)	RTH1210-01	Solid	08/19/10 09:45	08/23/10 14:15	
SB-23 (15-18)	RTH1210-02	Solid	08/19/10 10:45	08/23/10 14:15	
SB-21 (20-22)	RTH1210-03	Solid	08/19/10 14:30	08/23/10 14:15	
SB-20 (16-20)	RTH1210-04	Solid	08/19/10 16:00	08/23/10 14:15	
SB-13 (6-8)	RTH1210-05	Solid	08/20/10 08:00	08/23/10 14:15	
SB-13 (18-20)	RTH1210-06	Solid	08/20/10 08:45	08/23/10 14:15	
SB-24 (8-12)	RTH1210-07	Solid	08/20/10 09:20	08/23/10 14:15	
SB-24 (20-23)	RTH1210-08	Solid	08/20/10 09:40	08/23/10 14:15	
SB-17 (23-26)	RTH1210-09	Solid	08/20/10 12:00	08/23/10 14:15	
SB-18 (24-28)	RTH1210-10	Solid	08/20/10 13:30	08/23/10 14:15	
SB-16 (20-24)	RTH1210-11	Solid	08/20/10 16:30	08/23/10 14:15	
SS-4	RTH1210-12	Solid	08/20/10 10:45	08/23/10 14:15	
SS-3	RTH1210-13	Solid	08/20/10 16:45	08/23/10 14:15	
SS-2	RTH1210-14	Solid	08/20/10 16:50	08/23/10 14:15	
SS-1	RTH1210-15	Solid	08/20/10 17:00	08/23/10 14:15	
SB-1 (20-24)	RTH1210-16	Solid	08/20/10 15:00	08/23/10 14:15	
SB-2 (16-20)	RTH1210-17	Solid	08/20/10 15:45	08/23/10 14:15	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-01 (SB-15 (17-20) - Solid)						**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1, D08	210	58	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D08	210	34	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1, D08	210	44	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D08	210	110	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1, D08	210	65	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1, D08	210	73	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1, D08	210	80	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1, D08	210	59	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D08	210	110	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1, D08	210	8.0	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1, D08	210	54	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1, D08	210	86	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1, D08	210	34	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1, D08	210	63	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1, D08	210	56	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1, D08	210	38	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1, D08	210	29	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1, D08	1100	620	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
2-Hexanone	ND	W1, D08	1100	430	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1, D08	210	71	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D08	1100	67	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Acetone	ND	W1, D08	1100	860	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Benzene	ND	W1, D08	210	10	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Bromodichloromethane	ND	W1, D08	210	42	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Bromoform	ND	W1, D08	210	110	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Bromomethane	ND	W1, D08	210	46	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Carbon disulfide	ND	W1, D08	210	96	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1, D08	210	54	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Chlorobenzene	ND	W1, D08	210	28	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1, D08	210	100	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Chloroethane	ND	W1, D08	210	44	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Chloroform	ND	W1, D08	210	140	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Chloromethane	ND	W1, D08	210	50	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1, D08	210	58	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1, D08	210	50	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane	ND	W1, D08	210	47	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1, D08	210	92	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Ethylbenzene	ND	W1, D08	210	61	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Isopropylbenzene	ND	W1, D08	210	32	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Methyl Acetate	ND	W1, D08	210	100	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1, D08	210	79	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Methylcyclohexane	**84000**	W1, D08	210	98	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Methylene Chloride	ND	W1, D08	210	42	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1, D08	420	120	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
n-Butylbenzene	ND	W1, D08	210	61	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
n-Propylbenzene	ND	W1, D08	210	55	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
o-Xylene	ND	W1, D08	210	27	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-01 (SB-15 (17-20) - Solid) - cont. **Sampled: 08/19/10 09:45** **Recvd: 08/23/10 14:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**780**	W1, D08	210	77	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Styrene	ND	W1, D08	210	51	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
tert-Butylbenzene	**270**	W1, D08	210	58	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Tetrachloroethene	ND	W1, D08	210	28	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Toluene	ND	W1, D08	210	56	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1, D08	210	50	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1, D08	210	10	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Trichloroethene	ND	W1, D08	210	58	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1, D08	210	99	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Vinyl chloride	ND	W1, D08	210	70	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Xylenes, total	ND	W1, D08	420	35	ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*119 %*	*W1, D08*	*Surr Limits: (53-146%)*				*08/31/10 00:54*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*55 %*	*W1, D08*	*Surr Limits: (49-148%)*				*08/31/10 00:54*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*61 %*	*W1, D08*	*Surr Limits: (50-149%)*				*08/31/10 00:54*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-5-met (076089-59-3)	**18000**		Ret Time: 10.4		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
1-Ethyl-4-methylcyclohexane (003728-56-1)	**21000**		Ret Time: 7.365		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Benzene, 1-methyl-4-(1-methylpropyl)- (001595-16-0)	**25000**		Ret Time: 10.473		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane, 1,1,2,3-tetramethyl- (006783-92-2)	**26000**		Ret Time: 8.216		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**20000**		Ret Time: 6.945		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**67000**		Ret Time: 6.008		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane, 1-ethyl-2-methyl-, cis- (004923-77-7)	**29000**		Ret Time: 7.614		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**25000**		Ret Time: 8.405		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Unknown01 (none)	**19000**		Ret Time: 7.857		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Unknown02 (none)	**22000**		Ret Time: 7.985		ug/kg dry	2.00	08/31/10 00:54	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	3600	780	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	3600	230	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	3600	550	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	3600	870	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	3600	240	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-01 (SB-15 (17-20) - Solid) - cont. **Sampled: 08/19/10 09:45** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
2-Methylphenol	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	7000	1100	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	3600	3100	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	7000	820	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	3600	150	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	3600	1000	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	3600	76	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Methylphenol	ND	D02	3600	200	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	7000	400	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	7000	860	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Acenaphthene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Acenaphthylene	ND	D02	3600	29	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Acetophenone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Anthracene	ND	D02	3600	91	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Atrazine	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzaldehyde	ND	D02	3600	390	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	3600	61	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	3600	86	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	3600	69	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	3600	39	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Biphenyl	ND	D02	3600	220	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	3600	310	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Caprolactam	ND	D02	3600	1500	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Carbazole	ND	D02	3600	41	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Chrysene	ND	D02	3600	36	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Dibenzofuran	ND	D02	3600	37	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	3600	93	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	3600	1200	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	3600	83	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Fluoranthene	ND	D02	3600	52	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Fluorene	**430**	D02,J	3600	82	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Hexachloroethane	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-01 (SB-15 (17-20) - Solid) - cont.						**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Indeno(1,2,3-cd)pyrene	ND	D02	3600	98	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Isophorone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Naphthalene	ND	D02	3600	59	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Nitrobenzene	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Phenanthrene	**740**	D02,J	3600	75	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Phenol	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Pyrene	ND	D02	3600	23	ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
2,4,6-Tribromophenol	*63 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*80 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*66 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*89 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*73 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*79 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 15:56*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2,6,7-trimethyl- (062108-25-2)	**26000**		Ret Time: 8.312		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Undecane (001120-21-4)	**29000**		Ret Time: 9.68		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown01 (none)	**5900**		Ret Time: 6.522		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown02 (none)	**16000**		Ret Time: 7.842		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown03 (none)	**6700**		Ret Time: 7.965		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown04 (none)	**7700**		Ret Time: 8.788		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown05 (none)	**8000**		Ret Time: 8.921		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown06 (none)	**12000**		Ret Time: 9.274		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown07 (none)	**7000**		Ret Time: 9.514		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown08 (none)	**7800**		Ret Time: 9.535		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown09 (none)	**8000**		Ret Time: 9.573		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown10 (none)	**11000**		Ret Time: 9.658		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown11 (none)	**6300**		Ret Time: 9.706		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown12 (none)	**7600**		Ret Time: 10.219		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown13 (none)	**10000**		Ret Time: 10.267		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown14 (none)	**11000**		Ret Time: 10.332		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown15 (none)	**5900**		Ret Time: 10.481		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown16 (none)	**22000**		Ret Time: 10.807		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown17 (none)	**32000**		Ret Time: 11.101		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
Unknown18 (none)	**18000**		Ret Time: 11.598		ug/kg dry	20.0	08/29/10 15:56	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 13:47	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-01RE1 (SB-15 (17-20) - Solid)						**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D08, W1	2100	580	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	D08, W1	2100	340	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,1,2-Trichloroethane	ND	D08, W1	2100	440	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	D08, W1	2100	1100	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,1-Dichloroethane	ND	D08, W1	2100	650	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,1-Dichloroethene	ND	D08, W1	2100	730	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2,4-Trichlorobenzene	ND	D08, W1	2100	800	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2,4-Trimethylbenzene	ND	D08, W1	2100	590	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	D08, W1	2100	1100	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	D08, W1	2100	80	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dichlorobenzene	ND	D08, W1	2100	540	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dichloroethane	ND	D08, W1	2100	860	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dichloropropane	ND	D08, W1	2100	340	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,3,5-Trimethylbenzene	ND	D08, W1	2100	630	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,3-Dichlorobenzene	ND	D08, W1	2100	560	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,3-Dichloropropane	ND	D08, W1	2100	380	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,4-Dichlorobenzene	ND	D08, W1	2100	290	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
2-Butanone (MEK)	ND	D08, W1	11000	6200	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
2-Hexanone	ND	D08, W1	11000	4300	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
4-Isopropyltoluene	ND	D08, W1	2100	710	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	D08, W1	11000	670	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Acetone	ND	D08, W1	11000	8600	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Benzene	ND	D08, W1	2100	100	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Bromodichloromethane	ND	D08, W1	2100	420	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Bromoform	ND	D08, W1	2100	1100	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Bromomethane	ND	D08, W1	2100	460	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Carbon disulfide	ND	D08, W1	2100	960	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Carbon Tetrachloride	ND	D08, W1	2100	540	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Chlorobenzene	ND	D08, W1	2100	280	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Chlorodibromomethane	ND	D08, W1	2100	1000	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Chloroethane	ND	D08, W1	2100	440	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Chloroform	ND	D08, W1	2100	1400	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Chloromethane	ND	D08, W1	2100	500	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
cis-1,2-Dichloroethene	ND	D08, W1	2100	580	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
cis-1,3-Dichloropropene	ND	D08, W1	2100	500	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Cyclohexane	ND	D08, W1	2100	470	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Dichlorodifluoromethane	ND	D08, W1	2100	920	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Ethylbenzene	ND	D08, W1	2100	610	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Isopropylbenzene	ND	D08, W1	2100	320	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Methyl Acetate	ND	D08, W1	2100	1000	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Methyl tert-Butyl Ether	ND	D08, W1	2100	790	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Methylcyclohexane	**90000**	D08, W1	2100	980	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Methylene Chloride	ND	D08, W1	2100	420	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
m-Xylene & p-Xylene	ND	D08, W1	4200	1200	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
n-Butylbenzene	ND	D08, W1	2100	610	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
n-Propylbenzene	ND	D08, W1	2100	550	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
o-Xylene	ND	D08, W1	2100	270	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-01RE1 (SB-15 (17-20) - Solid) - cont.						**Sampled: 08/19/10 09:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	D08, W1	2100	770	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Styrene	ND	D08, W1	2100	510	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
tert-Butylbenzene	ND	D08, W1	2100	580	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Tetrachloroethene	ND	D08, W1	2100	280	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Toluene	ND	D08, W1	2100	560	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
trans-1,2-Dichloroethene	ND	D08, W1	2100	500	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
trans-1,3-Dichloropropene	ND	D08, W1	2100	100	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Trichloroethene	ND	D08, W1	2100	580	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Trichlorofluoromethane	ND	D08, W1	2100	990	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Vinyl chloride	ND	D08, W1	2100	700	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Xylenes, total	ND	D08, W1	4200	350	ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
1,2-Dichloroethane-d4	*110 %*	*D08, W1*	*Surr Limits: (53-146%)*				*08/31/10 11:28*	*TRB*	*10H2166*	*8260B*
4-Bromofluorobenzene	*82 %*	*D08, W1*	*Surr Limits: (49-148%)*				*08/31/10 11:28*	*TRB*	*10H2166*	*8260B*
Toluene-d8	*89 %*	*D08, W1*	*Surr Limits: (50-149%)*				*08/31/10 11:28*	*TRB*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**72000**		Ret Time: 6.008		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Cyclohexane, 1-methyl-3-propyl- (004291-80-9)	**31000**		Ret Time: 8.405		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**31000**		Ret Time: 11.003		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Undecane, 2,6-dimethyl- (017301-23-4)	**32000**		Ret Time: 10.425		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown01 (none)	**40000**		Ret Time: 7.985		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown02 (none)	**38000**		Ret Time: 9.561		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown03 (none)	**30000**		Ret Time: 10.352		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown04 (none)	**44000**		Ret Time: 10.492		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown05 (none)	**36000**		Ret Time: 10.918		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B
Unknown06 (none)	**27000**		Ret Time: 11.21		ug/kg dry	20.0	08/31/10 11:28	TRB	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-02 (SB-23 (15-18) - Solid) **Sampled: 08/19/10 10:45** **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1, D04	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D04	220	35	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1, D04	220	45	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D04	220	110	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1, D04	220	67	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1, D04	220	75	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1, D04	220	82	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1, D04	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D04	220	110	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1, D04	220	8.2	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1, D04	220	55	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1, D04	220	88	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1, D04	220	35	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1, D04	220	65	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1, D04	220	58	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1, D04	220	39	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1, D04	220	30	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1, D04	1100	640	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
2-Hexanone	ND	W1, D04	1100	440	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1, D04	220	73	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D04	1100	69	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Acetone	ND	W1, D04	1100	890	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Benzene	ND	W1, D04	220	10	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Bromodichloromethane	ND	W1, D04	220	43	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Bromoform	ND	W1, D04	220	110	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Bromomethane	ND	W1, D04	220	47	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Carbon disulfide	ND	W1, D04	220	98	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1, D04	220	55	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Chlorobenzene	ND	W1, D04	220	28	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1, D04	220	100	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Chloroethane	ND	W1, D04	220	45	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Chloroform	ND	W1, D04	220	150	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Chloromethane	ND	W1, D04	220	51	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1, D04	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1, D04	220	52	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Cyclohexane	ND	W1, D04	220	48	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1, D04	220	94	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Ethylbenzene	ND	W1, D04	220	63	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Isopropylbenzene	ND	W1, D04	220	32	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Methyl Acetate	ND	W1, D04	220	100	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1, D04	220	82	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Methylcyclohexane	**17000**	W1, D04	220	100	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Methylene Chloride	ND	W1, D04	220	43	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1, D04	430	120	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
n-Butylbenzene	ND	W1, D04	220	63	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
n-Propylbenzene	ND	W1, D04	220	57	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
o-Xylene	ND	W1, D04	220	28	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-02 (SB-23 (15-18) - Solid) - cont.						**Sampled: 08/19/10 10:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**380**	W1, D04	220	79	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Styrene	ND	W1, D04	220	52	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
tert-Butylbenzene	**150**	W1, D04,J	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Tetrachloroethene	ND	W1, D04	220	29	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Toluene	ND	W1, D04	220	58	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1, D04	220	51	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1, D04	220	10	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Trichloroethene	ND	W1, D04	220	60	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1, D04	220	100	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Vinyl chloride	ND	W1, D04	220	72	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Xylenes, total	ND	W1, D04	430	36	ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*103 %*	*W1, D04*	*Surr Limits: (53-146%)*				*08/31/10 01:16*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*67 %*	*W1, D04*	*Surr Limits: (49-148%)*				*08/31/10 01:16*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*73 %*	*W1, D04*	*Surr Limits: (50-149%)*				*08/31/10 01:16*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**8600**		Ret Time: 7.365		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Cyclohexane, 1,3-dimethyl-, cis- (01) (000638-04-0)	**25000**		Ret Time: 6.008		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**14000**		Ret Time: 8.405		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**8300**		Ret Time: 9.33		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Octane, 2,5-dimethyl- (015869-89-3)	**8900**		Ret Time: 7.632		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Unknown01 (none)	**12000**		Ret Time: 7.985		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Unknown02 (none)	**12000**		Ret Time: 8.21		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Unknown03 (none)	**9500**		Ret Time: 9.561		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Unknown04 (none)	**8700**		Ret Time: 10.4		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Unknown05 (none)	**15000**		Ret Time: 10.492		ug/kg dry	2.00	08/31/10 01:16	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	1900	410	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	1900	120	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	1900	98	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	1900	500	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	3600	650	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	1900	290	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	1900	460	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	1900	120	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	1900	95	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	1900	23	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Methylphenol	ND	D02	1900	57	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	3600	600	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	1900	85	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	1900	1600	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	3600	430	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-02 (SB-23 (15-18) - Solid) - cont. **Sampled: 08/19/10 10:45** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND	D02	3600	640	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	1900	590	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	1900	77	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	1900	550	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	1900	40	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Methylphenol	ND	D02	1900	100	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	3600	210	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	3600	450	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Acenaphthene	ND	D02	1900	22	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Acenaphthylene	ND	D02	1900	15	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Acetophenone	ND	D02	1900	96	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Anthracene	ND	D02	1900	48	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Atrazine	ND	D02	1900	83	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzaldehyde	ND	D02	1900	200	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	1900	32	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	1900	45	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	1900	36	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	1900	22	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	1900	20	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Biphenyl	ND	D02	1900	120	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	1900	100	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	1900	160	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	1900	190	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**1000**	D02,J	1900	600	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	1900	500	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Caprolactam	ND	D02	1900	810	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Carbazole	ND	D02	1900	22	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Chrysene	ND	D02	1900	19	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	1900	22	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Dibenzofuran	ND	D02	1900	19	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	1900	56	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	1900	49	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	1900	640	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	1900	44	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Fluoranthene	ND	D02	1900	27	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Fluorene	**340**	D02,J	1900	43	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	1900	92	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	1900	95	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	1900	560	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Hexachloroethane	ND	D02	1900	140	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	1900	52	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Isophorone	ND	D02	1900	93	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Naphthalene	ND	D02	1900	31	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Nitrobenzene	ND	D02	1900	83	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-02 (SB-23 (15-18) - Solid) - cont.						**Sampled: 08/19/10 10:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND	D02	1900	150	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	1900	100	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	3600	640	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Phenanthrene	**580**	D02,J	1900	39	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Phenol	ND	D02	1900	200	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Pyrene	ND	D02	1900	12	ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
2,4,6-Tribromophenol	*76 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*81 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*62 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*80 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*65 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*76 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 16:20*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Heptylcyclohexane (005617-41-4)	**6200**		Ret Time: 8.921		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Nonadecane, 2-methyl- (001560-86-7)	**3500**		Ret Time: 12.655		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown01 (none)	**5900**		Ret Time: 7.842		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown02 (none)	**3300**		Ret Time: 7.965		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown03 (none)	**13000**		Ret Time: 8.312		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown04 (none)	**4600**		Ret Time: 8.788		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown05 (none)	**5300**		Ret Time: 9.274		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown06 (none)	**5000**		Ret Time: 9.573		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown07 (none)	**3400**		Ret Time: 9.61		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown08 (none)	**5400**		Ret Time: 9.658		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown09 (none)	**16000**		Ret Time: 9.68		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown10 (none)	**3500**		Ret Time: 9.712		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown11 (none)	**4000**		Ret Time: 10.219		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown12 (none)	**5900**		Ret Time: 10.267		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown13 (none)	**7000**		Ret Time: 10.332		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown14 (none)	**14000**		Ret Time: 10.807		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown15 (none)	**26000**		Ret Time: 11.11		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown16 (none)	**3300**		Ret Time: 11.331		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown17 (none)	**14000**		Ret Time: 11.598		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
Unknown18 (none)	**5100**		Ret Time: 11.956		ug/kg dry	10.0	08/29/10 16:20	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/24/10 13:49	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-03 (SB-21 (20-22) - Solid)						**Sampled: 08/19/10 14:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1, D04	210	58	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D04	210	34	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1, D04	210	44	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1, D04	210	65	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1, D04	210	73	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1, D04	210	80	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1, D04	210	59	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1, D04	210	8.0	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1, D04	210	53	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1, D04	210	86	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1, D04	210	34	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1, D04	210	63	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1, D04	210	56	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1, D04	210	38	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1, D04	210	29	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1, D04	1000	620	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
2-Hexanone	ND	W1, D04	1000	430	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1, D04	210	71	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D04	1000	67	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Acetone	ND	W1, D04	1000	860	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Benzene	ND	W1, D04	210	10	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Bromodichloromethane	ND	W1, D04	210	42	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Bromoform	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Bromomethane	ND	W1, D04	210	46	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Carbon disulfide	ND	W1, D04	210	95	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1, D04	210	53	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Chlorobenzene	ND	W1, D04	210	28	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Chloroethane	ND	W1, D04	210	44	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Chloroform	ND	W1, D04	210	140	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Chloromethane	ND	W1, D04	210	50	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1, D04	210	58	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1, D04	210	50	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Cyclohexane	ND	W1, D04	210	47	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1, D04	210	91	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Ethylbenzene	ND	W1, D04	210	61	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Isopropylbenzene	ND	W1, D04	210	31	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Methyl Acetate	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1, D04	210	79	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Methylcyclohexane	**1900**	W1, D04	210	98	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Methylene Chloride	ND	W1, D04	210	42	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1, D04	420	120	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
n-Butylbenzene	ND	W1, D04	210	61	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
n-Propylbenzene	ND	W1, D04	210	55	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
o-Xylene	ND	W1, D04	210	27	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
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Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-03 (SB-21 (20-22) - Solid) - cont.						**Sampled: 08/19/10 14:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1, D04	210	77	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Styrene	ND	W1, D04	210	51	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
tert-Butylbenzene	**130**	W1, D04,J	210	58	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Tetrachloroethene	ND	W1, D04	210	28	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Toluene	ND	W1, D04	210	56	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1, D04	210	50	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1, D04	210	10	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Trichloroethene	ND	W1, D04	210	58	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1, D04	210	98	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Vinyl chloride	ND	W1, D04	210	70	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Xylenes, total	ND	W1, D04	420	35	ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*101 %*	*W1, D04*	*Surr Limits: (53-146%)*				*08/31/10 01:39*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*70 %*	*W1, D04*	*Surr Limits: (49-148%)*				*08/31/10 01:39*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*77 %*	*W1, D04*	*Surr Limits: (50-149%)*				*08/31/10 01:39*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 2,4-dimethyl-1-(1-methylethyl)- (004706-89-2)	**13000**		Ret Time: 10.698		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Cyclohexane, 1-ethyl-2-methyl-, trans- (004923-78-8)	**13000**		Ret Time: 7.614		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (013065-07-1)	**12000**		Ret Time: 11.775		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**12000**		Ret Time: 11.003		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**12000**		Ret Time: 9.33		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Unknown01 (none)	**14000**		Ret Time: 8.405		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Unknown02 (none)	**20000**		Ret Time: 10.492		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Unknown03 (none)	**14000**		Ret Time: 11.368		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Unknown04 (none)	**13000**		Ret Time: 11.648		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Unknown05 (none)	**13000**		Ret Time: 10.8		ug/kg dry	2.00	08/31/10 01:39	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	3600	770	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	3600	230	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	3600	550	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	3600	870	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	3600	240	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Methylphenol	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	6900	1100	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-03 (SB-21 (20-22) - Solid) - cont. **Sampled: 08/19/10 14:30** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3,3'-Dichlorobenzidine	ND	D02	3600	3100	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	6900	810	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	3600	150	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	3600	1000	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	3600	75	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Methylphenol	ND	D02	3600	200	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	6900	400	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	6900	860	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Acenaphthene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Acenaphthylene	ND	D02	3600	29	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Acetophenone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Anthracene	ND	D02	3600	91	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Atrazine	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzaldehyde	ND	D02	3600	390	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	3600	61	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	3600	85	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	3600	69	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	3600	39	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Biphenyl	ND	D02	3600	220	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	3600	310	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	3600	950	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Caprolactam	ND	D02	3600	1500	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Carbazole	ND	D02	3600	41	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Chrysene	ND	D02	3600	35	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Dibenzofuran	ND	D02	3600	37	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	3600	92	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	3600	1200	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	3600	83	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Fluoranthene	ND	D02	3600	51	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Fluorene	ND	D02	3600	82	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Hexachloroethane	ND	D02	3600	270	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	3600	98	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Isophorone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Naphthalene	ND	D02	3600	59	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-03 (SB-21 (20-22) - Solid) - cont.						**Sampled: 08/19/10 14:30**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Nitrobenzene	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Phenanthrene	**780**	D02,J	3600	74	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Phenol	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Pyrene	ND	D02	3600	23	ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
2,4,6-Tribromophenol	*66 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*83 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*34 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*54 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*36 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*81 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 16:43*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2,6,7-trimethyl- (062108-25-2)	**27000**		Ret Time: 8.312		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown01 (none)	**7400**		Ret Time: 7.842		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown02 (none)	**8200**		Ret Time: 8.782		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown03 (none)	**6500**		Ret Time: 8.921		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown04 (none)	**15000**		Ret Time: 9.274		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown05 (none)	**7100**		Ret Time: 9.322		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown06 (none)	**6600**		Ret Time: 9.354		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown07 (none)	**8800**		Ret Time: 9.573		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown08 (none)	**6800**		Ret Time: 9.61		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown09 (none)	**11000**		Ret Time: 9.659		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown10 (none)	**33000**		Ret Time: 9.68		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown11 (none)	**6500**		Ret Time: 9.707		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown12 (none)	**6600**		Ret Time: 10.219		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown13 (none)	**9400**		Ret Time: 10.27		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown14 (none)	**9400**		Ret Time: 10.337		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown15 (none)	**8700**		Ret Time: 10.674		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown16 (none)	**22000**		Ret Time: 10.807		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown17 (none)	**39000**		Ret Time: 11.106		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown18 (none)	**22000**		Ret Time: 11.6		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
Unknown19 (none)	**9000**		Ret Time: 11.956		ug/kg dry	20.0	08/29/10 16:43	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/24/10 13:51	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-04 (SB-20 (16-20) - Solid)						**Sampled: 08/19/10 16:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1, D04	200	57	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D04	200	33	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1, D04	200	43	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D04	200	100	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1, D04	200	63	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1, D04	200	71	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1, D04	200	78	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1, D04	200	57	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D04	200	100	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1, D04	200	7.8	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1, D04	200	52	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1, D04	200	84	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1, D04	200	33	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1, D04	200	62	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1, D04	200	55	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1, D04	200	37	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1, D04	200	29	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1, D04	1000	610	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
2-Hexanone	ND	W1, D04	1000	420	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1, D04	200	69	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D04	1000	66	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Acetone	ND	W1, D04	1000	840	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Benzene	ND	W1, D04	200	9.8	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Bromodichloromethane	ND	W1, D04	200	41	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Bromoform	ND	W1, D04	200	100	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Bromomethane	ND	W1, D04	200	45	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Carbon disulfide	ND	W1, D04	200	93	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1, D04	200	52	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Chlorobenzene	ND	W1, D04	200	27	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1, D04	200	99	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Chloroethane	ND	W1, D04	200	43	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Chloroform	ND	W1, D04	200	140	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Chloromethane	ND	W1, D04	200	49	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1, D04	200	57	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1, D04	200	49	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Cyclohexane	ND	W1, D04	200	45	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1, D04	200	89	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Ethylbenzene	ND	W1, D04	200	60	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Isopropylbenzene	ND	W1, D04	200	31	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Methyl Acetate	ND	W1, D04	200	97	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1, D04	200	77	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Methylcyclohexane	ND	W1, D04	200	96	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Methylene Chloride	ND	W1, D04	200	41	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1, D04	410	110	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
n-Butylbenzene	ND	W1, D04	200	60	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
n-Propylbenzene	ND	W1, D04	200	54	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
o-Xylene	ND	W1, D04	200	27	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-04 (SB-20 (16-20) - Solid) - cont.						**Sampled: 08/19/10 16:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1, D04	200	75	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Styrene	ND	W1, D04	200	49	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1, D04	200	57	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Tetrachloroethene	ND	W1, D04	200	28	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Toluene	ND	W1, D04	200	55	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1, D04	200	48	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1, D04	200	9.8	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Trichloroethene	ND	W1, D04	200	57	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1, D04	200	96	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Vinyl chloride	ND	W1, D04	200	69	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Xylenes, total	ND	W1, D04	410	34	ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*104 %*	*W1, D04*	*Surr Limits: (53-146%)*				*08/31/10 02:01*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*89 %*	*W1, D04*	*Surr Limits: (49-148%)*				*08/31/10 02:01*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*92 %*	*W1, D04*	*Surr Limits: (50-149%)*				*08/31/10 02:01*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Methyldecahydronaphthalene (002958-75-0)	**4800**		Ret Time: 10.035		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (013065-07-1)	**4400**		Ret Time: 11.775		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**7100**		Ret Time: 11.009		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**6800**		Ret Time: 9.33		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Naphthalene, decahydro-2-methyl- (002958-76-1)	**4800**		Ret Time: 9.859		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Tridecane, 7-methyl- (026730-14-3)	**7300**		Ret Time: 10.924		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Unknown01 (none)	**5400**		Ret Time: 9.561		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Unknown02 (none)	**5600**		Ret Time: 10.352		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Unknown03 (none)	**5700**		Ret Time: 10.492		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Unknown04 (none)	**4500**		Ret Time: 10.79		ug/kg dry	2.00	08/31/10 02:01	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	3600	770	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	3600	230	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	3600	550	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	3600	870	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	3600	240	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Methylphenol	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	6900	1100	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	3600	3100	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-04 (SB-20 (16-20) - Solid) - cont. **Sampled: 08/19/10 16:00** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3-Nitroaniline	ND	D02	6900	810	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	3600	150	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	3600	1000	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	3600	76	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Methylphenol	ND	D02	3600	200	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	6900	400	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	6900	860	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Acenaphthene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Acenaphthylene	ND	D02	3600	29	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Acetophenone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Anthracene	ND	D02	3600	91	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Atrazine	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzaldehyde	ND	D02	3600	390	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	3600	61	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	3600	85	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	3600	69	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	3600	39	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Biphenyl	ND	D02	3600	220	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	3600	310	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	3600	950	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Caprolactam	ND	D02	3600	1500	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Carbazole	ND	D02	3600	41	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Chrysene	ND	D02	3600	35	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Dibenzofuran	ND	D02	3600	37	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	3600	92	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	3600	1200	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	3600	83	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Fluoranthene	ND	D02	3600	51	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Fluorene	ND	D02	3600	82	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Hexachloroethane	ND	D02	3600	270	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	3600	98	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Isophorone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Naphthalene	ND	D02	3600	59	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Nitrobenzene	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-04 (SB-20 (16-20) - Solid) - cont.						**Sampled: 08/19/10 16:00**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	6900	1200	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Phenanthrene	ND	D02	3600	74	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Phenol	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Pyrene	ND	D02	3600	23	ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
2,4,6-Tribromophenol	*74 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*91 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*58 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*70 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*68 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*86 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 17:07*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**3100**		Ret Time: 7.228		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown02 (none)	**3200**		Ret Time: 7.842		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown03 (none)	**3300**		Ret Time: 7.959		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown04 (none)	**18000**		Ret Time: 8.312		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown05 (none)	**3300**		Ret Time: 8.365		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown06 (none)	**6700**		Ret Time: 8.788		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown07 (none)	**5800**		Ret Time: 9.274		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown08 (none)	**3100**		Ret Time: 9.322		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown09 (none)	**3500**		Ret Time: 9.514		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown10 (none)	**2900**		Ret Time: 9.573		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown11 (none)	**4300**		Ret Time: 9.658		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown12 (none)	**4200**		Ret Time: 9.68		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown13 (none)	**3800**		Ret Time: 10.802		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown14 (none)	**7000**		Ret Time: 11.101		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
Unknown15 (none)	**5600**		Ret Time: 11.598		ug/kg dry	20.0	08/29/10 17:07	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 13:53	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-05 (SB-13 (6-8) - Solid) — **Sampled: 08/20/10 08:00** — **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1, D04	210	59	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D04	210	35	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1, D04	210	45	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D04	210	110	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1, D04	210	66	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1, D04	210	74	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1, D04	210	81	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1, D04	210	60	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D04	210	110	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1, D04	210	8.1	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1, D04	210	55	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1, D04	210	88	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1, D04	210	35	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1, D04	210	65	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1, D04	210	57	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1, D04	210	39	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1, D04	210	30	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1, D04	1100	640	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
2-Hexanone	ND	W1, D04	1100	440	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1, D04	210	72	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D04	1100	68	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Acetone	ND	W1, D04	1100	880	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Benzene	ND	W1, D04	210	10	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Bromodichloromethane	ND	W1, D04	210	43	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Bromoform	ND	W1, D04	210	110	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Bromomethane	ND	W1, D04	210	47	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Carbon disulfide	ND	W1, D04	210	97	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1, D04	210	55	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Chlorobenzene	ND	W1, D04	210	28	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Chloroethane	ND	W1, D04	210	45	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Chloroform	ND	W1, D04	210	150	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Chloromethane	ND	W1, D04	210	51	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1, D04	210	59	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1, D04	210	51	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Cyclohexane	ND	W1, D04	210	47	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1, D04	210	93	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Ethylbenzene	ND	W1, D04	210	62	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Isopropylbenzene	ND	W1, D04	210	32	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Methyl Acetate	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1, D04	210	81	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Methylcyclohexane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Methylene Chloride	ND	W1, D04	210	42	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1, D04	430	120	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
n-Butylbenzene	ND	W1, D04	210	62	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
n-Propylbenzene	ND	W1, D04	210	56	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
o-Xylene	ND	W1, D04	210	28	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-05 (SB-13 (6-8) - Solid) - cont. **Sampled: 08/20/10 08:00** **Recvd: 08/23/10 14:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1, D04	210	79	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Styrene	ND	W1, D04	210	52	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1, D04	210	59	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Tetrachloroethene	ND	W1, D04	210	29	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Toluene	ND	W1, D04	210	57	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1, D04	210	50	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1, D04	210	10	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Trichloroethene	ND	W1, D04	210	59	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1, D04	210	100	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Vinyl chloride	ND	W1, D04	210	72	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Xylenes, total	ND	W1, D04	430	36	ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*98 %*	*W1, D04*	*Surr Limits: (53-146%)*				*08/31/10 02:24*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*81 %*	*W1, D04*	*Surr Limits: (49-148%)*				*08/31/10 02:24*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*85 %*	*W1, D04*	*Surr Limits: (50-149%)*				*08/31/10 02:24*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**5100**		Ret Time: 7.365		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Octane, 2,5-dimethyl- (015869-89-3)	**4800**		Ret Time: 7.632		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown01 (none)	**5000**		Ret Time: 7.815		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown02 (none)	**6200**		Ret Time: 7.857		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown03 (none)	**8200**		Ret Time: 7.985		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown04 (none)	**6100**		Ret Time: 9.33		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown05 (none)	**6100**		Ret Time: 8.204		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown06 (none)	**5800**		Ret Time: 8.405		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown07 (none)	**4300**		Ret Time: 8.66		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Unknown08 (none)	**5600**		Ret Time: 9.561		ug/kg dry	2.00	08/31/10 02:24	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2-Nitrophenol	ND		190	8.5	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
3-Nitroaniline	ND		360	43	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-05 (SB-13 (6-8) - Solid) - cont. **Sampled: 08/20/10 08:00** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Methylphenol	ND		190	10	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**76**	J	190	60	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Chrysene	ND		190	1.8	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-05 (SB-13 (6-8) - Solid) - cont.						**Sampled: 08/20/10 08:00**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Phenol	ND		190	19	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
2,4,6-Tribromophenol	*83 %*		*Surr Limits: (39-146%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*66 %*		*Surr Limits: (37-120%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*51 %*		*Surr Limits: (18-120%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*54 %*		*Surr Limits: (34-132%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*59 %*		*Surr Limits: (11-120%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*70 %*		*Surr Limits: (58-147%)*				*08/29/10 17:31*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/29/10 17:31	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	08/24/10 13:55	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

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Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-06 (SB-13 (18-20) - Solid)						**Sampled: 08/20/10 08:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	110	31	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	18	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	110	24	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	56	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	110	35	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	110	39	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	110	42	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	110	56	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.3	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	110	46	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	110	18	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	110	34	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	110	30	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	110	20	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	110	16	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	560	330	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
2-Hexanone	ND	W1	560	230	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	110	38	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	560	36	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Acetone	ND	W1	560	460	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Benzene	ND	W1	110	5.4	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	110	22	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Bromoform	ND	W1	110	56	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Bromomethane	ND	W1	110	25	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Carbon disulfide	ND	W1	110	51	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	110	29	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Chlorobenzene	ND	W1	110	15	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	110	54	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Chloroethane	ND	W1	110	23	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Chloroform	ND	W1	110	77	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Chloromethane	ND	W1	110	27	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	110	27	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Cyclohexane	ND	W1	110	25	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	110	49	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Ethylbenzene	ND	W1	110	33	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	110	17	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Methyl Acetate	ND	W1	110	53	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	110	42	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Methylcyclohexane	ND	W1	110	52	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Methylene Chloride	ND	W1	110	22	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	220	62	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	110	33	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
o-Xylene	ND	W1	110	15	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-06 (SB-13 (18-20) - Solid) - cont.						**Sampled: 08/20/10 08:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	110	41	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Styrene	ND	W1	110	27	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	110	15	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Toluene	ND	W1	110	30	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	110	26	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	110	5.4	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Trichloroethene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	110	53	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Vinyl chloride	ND	W1	110	38	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Xylenes, total	ND	W1	220	19	ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*101 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 02:46*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*86 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 02:46*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*89 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 02:46*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Unknown01 (none)	**1300**		Ret Time: 7.632		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown02 (none)	**1600**		Ret Time: 7.985		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown03 (none)	**1700**		Ret Time: 9.561		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown04 (none)	**1300**		Ret Time: 10.352		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown05 (none)	**2100**		Ret Time: 10.486		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown06 (none)	**2000**		Ret Time: 10.918		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown07 (none)	**1300**		Ret Time: 11.009		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown08 (none)	**1700**		Ret Time: 11.21		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown09 (none)	**1700**		Ret Time: 11.368		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Unknown10 (none)	**1500**		Ret Time: 11.648		ug/kg dry	1.00	08/31/10 02:46	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	42	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND		190	13	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4-Dichlorophenol	ND		190	10	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4-Dimethylphenol	ND		190	52	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4-Dinitrophenol	ND		370	67	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND		190	30	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND		190	47	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Chloronaphthalene	ND		190	13	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Chlorophenol	ND		190	9.7	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Methylnaphthalene	ND		190	2.3	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Methylphenol	ND		190	5.9	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Nitroaniline	ND		370	61	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2-Nitrophenol	ND		190	8.7	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND		190	170	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
3-Nitroaniline	ND		370	44	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND		370	66	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND		190	61	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND		190	7.9	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-06 (SB-13 (18-20) - Solid) - cont. **Sampled: 08/20/10 08:45** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloroaniline	ND		190	56	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND		190	4.1	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Methylphenol	ND		190	11	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Nitroaniline	ND		370	21	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
4-Nitrophenol	ND		370	46	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Acenaphthylene	ND		190	1.6	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Acetophenone	ND		190	9.8	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Anthracene	ND		190	4.9	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Atrazine	ND		190	8.5	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzaldehyde	ND		190	21	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzo(a)anthracene	ND		190	3.3	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzo(a)pyrene	ND		190	4.6	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND		190	3.7	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzo(ghi)perylene	ND		190	2.3	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND		190	2.1	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND		190	17	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	20	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**440**		190	62	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Butyl benzyl phthalate	ND		190	51	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Caprolactam	ND		190	83	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Carbazole	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Chrysene	ND		190	1.9	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Dibenzofuran	ND		190	2.0	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Diethyl phthalate	ND		190	5.8	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Dimethyl phthalate	ND		190	5.0	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Di-n-butyl phthalate	ND		190	66	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Di-n-octyl phthalate	ND		190	4.5	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Fluoranthene	ND		190	2.8	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Fluorene	**14**	J	190	4.4	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Hexachlorobenzene	ND		190	9.5	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Hexachlorobutadiene	ND		190	9.8	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND		190	58	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Hexachloroethane	ND		190	15	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.3	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Isophorone	ND		190	9.6	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Naphthalene	ND		190	3.2	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Nitrobenzene	ND		190	8.5	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Pentachlorophenol	ND		370	66	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Phenanthrene	**29**	J	190	4.0	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-06 (SB-13 (18-20) - Solid) - cont.						**Sampled: 08/20/10 08:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Phenol	ND		190	20	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
2,4,6-Tribromophenol	*75 %*		*Surr Limits: (39-146%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*62 %*		*Surr Limits: (37-120%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*43 %*		*Surr Limits: (18-120%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*50 %*		*Surr Limits: (34-132%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*50 %*		*Surr Limits: (11-120%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*69 %*		*Surr Limits: (58-147%)*				*08/29/10 17:55*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
9-Octadecenamide, (Z)- (000301-02-0)	**250**		Ret Time: 13.617		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Hentriacontane (000630-04-6)	**230**		Ret Time: 11.956		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown01 (none)	**400**		Ret Time: 8.312		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown02 (none)	**160**		Ret Time: 9.268		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown03 (none)	**260**		Ret Time: 9.658		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown04 (none)	**290**		Ret Time: 9.68		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown05 (none)	**170**		Ret Time: 10.219		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown06 (none)	**240**		Ret Time: 10.27		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown07 (none)	**210**		Ret Time: 10.332		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown08 (none)	**230**		Ret Time: 10.48		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown09 (none)	**590**		Ret Time: 10.802		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown10 (none)	**1100**		Ret Time: 11.101		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
Unknown11 (none)	**600**		Ret Time: 11.598		ug/kg dry	1.00	08/29/10 17:55	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**87**		0.010	NR	%	1.00	08/24/10 13:57	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-07 (SB-24 (8-12) - Solid)						**Sampled: 08/20/10 09:20**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	3.9	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	100	42	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	510	300	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
2-Hexanone	ND	W1	510	210	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	510	33	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Acetone	ND	W1	510	420	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Benzene	ND	W1	100	4.9	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Bromoform	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	100	50	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Chloroethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Chloroform	ND	W1	100	70	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Chloromethane	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	100	15	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Methyl Acetate	ND	W1	100	49	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Methylcyclohexane	**110**	W1	100	48	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Methylene Chloride	ND	W1	100	20	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	57	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
o-Xylene	ND	W1	100	13	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-07 (SB-24 (8-12) - Solid) - cont.						**Sampled: 08/20/10 09:20**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
tert-Butylbenzene	**66**	W1,J	100	29	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	100	4.9	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	100	48	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Vinyl chloride	ND	W1	100	34	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	17	ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*101 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 03:08*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*71 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 03:08*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*79 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 03:08*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Methyldecahydronaphthalene (002958-75-0)	**6000**		Ret Time: 10.035		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Cyclohexane, 1-ethyl-2-methyl-, trans- (004923-78-8)	**9500**		Ret Time: 7.614		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**12000**		Ret Time: 9.33		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Naphthalene, decahydro-2-methyl- (002958-76-1)	**6000**		Ret Time: 9.859		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown01 (none)	**6100**		Ret Time: 7.809		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown02 (none)	**9200**		Ret Time: 7.985		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown03 (none)	**8300**		Ret Time: 8.21		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown04 (none)	**8300**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown05 (none)	**6700**		Ret Time: 9.561		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Unknown06 (none)	**6000**		Ret Time: 10.492		ug/kg dry	1.00	08/31/10 03:08	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	3600	780	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	3600	240	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	3600	550	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	3600	870	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	3600	240	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Methylphenol	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	7000	1100	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	3600	3100	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	7000	820	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-07 (SB-24 (8-12) - Solid) - cont. **Sampled: 08/20/10 09:20** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	3600	150	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	3600	1000	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	3600	76	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Methylphenol	ND	D02	3600	200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	7000	400	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	7000	870	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Acenaphthene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Acenaphthylene	ND	D02	3600	29	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Acetophenone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Anthracene	ND	D02	3600	91	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Atrazine	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzaldehyde	ND	D02	3600	390	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	3600	62	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	3600	86	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	3600	69	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	3600	43	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	3600	39	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Biphenyl	ND	D02	3600	220	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	3600	190	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	3600	310	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	3600	370	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	3600	1200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	3600	960	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Caprolactam	ND	D02	3600	1500	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Carbazole	ND	D02	3600	41	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Chrysene	ND	D02	3600	36	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	3600	42	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Dibenzofuran	ND	D02	3600	37	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	3600	110	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	3600	93	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	3600	1200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	3600	84	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Fluoranthene	ND	D02	3600	52	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Fluorene	ND	D02	3600	82	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	3600	1100	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Hexachloroethane	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	3600	99	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Isophorone	ND	D02	3600	180	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Naphthalene	ND	D02	3600	59	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Nitrobenzene	ND	D02	3600	160	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-07 (SB-24 (8-12) - Solid) - cont.						**Sampled: 08/20/10 09:20**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND	D02	3600	280	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	3600	200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	7000	1200	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Phenanthrene	ND	D02	3600	75	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Phenol	ND	D02	3600	380	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Pyrene	ND	D02	3600	23	ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
2,4,6-Tribromophenol	*80 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*93 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*75 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*95 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*80 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*86 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 18:18*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2,6,7-trimethyl- (062108-25-2)	**16000**		Ret Time: 8.312		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**31000**		Ret Time: 11.101		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown01 (none)	**5100**		Ret Time: 7.842		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown02 (none)	**4600**		Ret Time: 8.788		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown03 (none)	**9100**		Ret Time: 9.269		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown04 (none)	**4500**		Ret Time: 9.322		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown05 (none)	**4300**		Ret Time: 9.354		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown06 (none)	**5800**		Ret Time: 9.509		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown07 (none)	**4700**		Ret Time: 9.573		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown08 (none)	**4500**		Ret Time: 9.61		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown09 (none)	**7600**		Ret Time: 9.659		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown10 (none)	**15000**		Ret Time: 9.675		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown11 (none)	**6400**		Ret Time: 10.268		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown12 (none)	**9000**		Ret Time: 10.332		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown13 (none)	**4600**		Ret Time: 10.593		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown14 (none)	**7100**		Ret Time: 10.674		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown15 (none)	**18000**		Ret Time: 10.802		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown16 (none)	**18000**		Ret Time: 11.6		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown17 (none)	**4300**		Ret Time: 11.71		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
Unknown18 (none)	**7200**		Ret Time: 11.956		ug/kg dry	20.0	08/29/10 18:18	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 13:59	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-08 (SB-24 (20-23) - Solid) **Sampled: 08/20/10 09:40** **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	3.9	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	100	42	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	520	310	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
2-Hexanone	ND	W1	520	210	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	520	33	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Acetone	ND	W1	520	430	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Benzene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Bromoform	ND	W1	100	52	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	100	50	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Chloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Chloroform	ND	W1	100	71	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Chloromethane	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	100	16	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Methyl Acetate	ND	W1	100	49	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Methylcyclohexane	**4300**	W1	100	48	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Methylene Chloride	ND	W1	100	20	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	57	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
o-Xylene	ND	W1	100	13	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-08 (SB-24 (20-23) - Solid) - cont.						**Sampled: 08/20/10 09:40**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
tert-Butylbenzene	**200**	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	100	49	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Vinyl chloride	ND	W1	100	35	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	17	ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*104 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 03:30*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*52 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 03:30*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*58 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 03:30*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (01) (003728-56-1)	**11000**		Ret Time: 7.365		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
1-Ethyl-4-methylcyclohexane (02) (003728-56-1)	**16000**		Ret Time: 7.614		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Cyclohexane, 1,1,3-trimethyl- (003073-66-3)	**10000**		Ret Time: 6.775		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**12000**		Ret Time: 6.945		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**24000**		Ret Time: 6.008		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Cyclohexane, 1-methyl-4-(1-methylethyl)-, cis- (006069-98-3)	**13000**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Unknown01 (none)	**12000**		Ret Time: 7.809		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Unknown02 (none)	**9100**		Ret Time: 7.857		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Unknown03 (none)	**10000**		Ret Time: 7.985		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Unknown04 (none)	**12000**		Ret Time: 8.216		ug/kg dry	1.00	08/31/10 03:30	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	1800	390	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	1800	93	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	1800	480	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	3500	620	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	1800	280	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	1800	430	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	1800	22	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Methylphenol	ND	D02	1800	55	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	3500	570	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	1800	81	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	1800	1600	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
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Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-08 (SB-24 (20-23) - Solid) - cont. **Sampled: 08/20/10 09:40** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3-Nitroaniline	ND	D02	3500	410	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	3500	610	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	1800	570	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	1800	73	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	1800	520	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	1800	38	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Methylphenol	ND	D02	1800	99	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	3500	200	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	3500	430	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Acenaphthene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Acenaphthylene	ND	D02	1800	15	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Acetophenone	ND	D02	1800	91	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Anthracene	ND	D02	1800	45	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Atrazine	ND	D02	1800	79	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzaldehyde	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	1800	31	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	1800	43	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	1800	34	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	1800	20	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Biphenyl	ND	D02	1800	110	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	1800	97	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	1800	150	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	1800	570	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	1800	480	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Caprolactam	ND	D02	1800	770	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Carbazole	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Chrysene	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Dibenzofuran	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	1800	54	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	1800	46	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	1800	610	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	1800	42	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Fluoranthene	ND	D02	1800	26	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Fluorene	ND	D02	1800	41	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	1800	88	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	1800	91	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	1800	540	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Hexachloroethane	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	1800	49	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Isophorone	ND	D02	1800	89	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Naphthalene	ND	D02	1800	30	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Nitrobenzene	ND	D02	1800	79	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-08 (SB-24 (20-23) - Solid) - cont.						**Sampled: 08/20/10 09:40**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	1800	97	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	3500	610	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Phenanthrene	**700**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Phenol	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Pyrene	ND	D02	1800	12	ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
2,4,6-Tribromophenol	*85 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*89 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*77 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*93 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*86 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*92 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 18:42*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**4100**		Ret Time: 7.842		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown02 (none)	**12000**		Ret Time: 8.312		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown03 (none)	**3600**		Ret Time: 8.788		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown04 (none)	**4800**		Ret Time: 8.921		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown05 (none)	**6700**		Ret Time: 9.274		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown06 (none)	**3400**		Ret Time: 9.327		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown07 (none)	**3200**		Ret Time: 9.354		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown08 (none)	**4800**		Ret Time: 9.573		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown09 (none)	**3900**		Ret Time: 9.616		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown10 (none)	**8100**		Ret Time: 9.658		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown11 (none)	**15000**		Ret Time: 9.68		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown12 (none)	**3800**		Ret Time: 9.712		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown13 (none)	**4900**		Ret Time: 10.225		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown14 (none)	**6700**		Ret Time: 10.27		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown15 (none)	**6600**		Ret Time: 10.332		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown16 (none)	**6800**		Ret Time: 10.673		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown17 (none)	**14000**		Ret Time: 10.807		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown18 (none)	**26000**		Ret Time: 11.106		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown19 (none)	**14000**		Ret Time: 11.598		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
Unknown20 (none)	**5500**		Ret Time: 11.956		ug/kg dry	10.0	08/29/10 18:42	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:01	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-09 (SB-17 (23-26) - Solid)						**Sampled: 08/20/10 12:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	3.9	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	100	42	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	510	300	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
2-Hexanone	ND	W1	510	210	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	510	33	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Acetone	ND	W1	510	420	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Benzene	ND	W1	100	4.9	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	100	20	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Bromoform	ND	W1	100	51	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	100	26	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	100	50	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Chloroethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Chloroform	ND	W1	100	70	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Chloromethane	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	100	15	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Methyl Acetate	ND	W1	100	49	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Methylcyclohexane	ND	W1	100	48	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Methylene Chloride	ND	W1	100	20	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	200	57	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
o-Xylene	ND	W1	100	13	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-09 (SB-17 (23-26) - Solid) - cont.						**Sampled: 08/20/10 12:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Toluene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	100	24	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	100	4.9	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Trichloroethene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	100	48	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Vinyl chloride	ND	W1	100	34	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Xylenes, total	ND	W1	200	17	ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*103 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 03:52*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*88 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 03:52*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*92 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 03:52*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Naphthalene, decahydro-, trans- (000493-02-7)	**1200**		Ret Time: 9.33		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Octane, 2,5-dimethyl- (015869-89-3)	**1100**		Ret Time: 7.632		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown01 (none)	**1500**		Ret Time: 7.979		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown02 (none)	**1100**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown03 (none)	**1100**		Ret Time: 9.409		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown04 (none)	**1100**		Ret Time: 9.464		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown05 (none)	**1500**		Ret Time: 9.561		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown06 (none)	**1400**		Ret Time: 10.486		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown07 (none)	**1300**		Ret Time: 10.918		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Unknown08 (none)	**980**		Ret Time: 11.003		ug/kg dry	1.00	08/31/10 03:52	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Chlorophenol	ND		180	9.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-09 (SB-17 (23-26) - Solid) - cont. **Sampled: 08/20/10 12:00** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Methylphenol	ND		180	9.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**290**		180	57	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1210

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-09 (SB-17 (23-26) - Solid) - cont.						**Sampled: 08/20/10 12:00**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Phenanthrene	**46**	J	180	3.7	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
2,4,6-Tribromophenol	*91 %*		*Surr Limits: (39-146%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*80 %*		*Surr Limits: (37-120%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*64 %*		*Surr Limits: (18-120%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*75 %*		*Surr Limits: (34-132%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*70 %*		*Surr Limits: (11-120%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*81 %*		*Surr Limits: (58-147%)*				*08/29/10 19:06*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
9-Octadecenamide, (Z)-(000301-02-0)	**1100**		Ret Time: 13.622		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Pentadecane, 2,6,10,14-tetramethyl-(001921-70-6)	**1800**		Ret Time: 11.106		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown01 (none)	**760**		Ret Time: 8.312		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown02 (none)	**370**		Ret Time: 9.274		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown03 (none)	**210**		Ret Time: 9.514		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown04 (none)	**200**		Ret Time: 9.573		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown05 (none)	**350**		Ret Time: 9.658		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown06 (none)	**960**		Ret Time: 9.68		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown07 (none)	**290**		Ret Time: 10.219		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown08 (none)	**360**		Ret Time: 10.268		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown09 (none)	**540**		Ret Time: 10.332		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown10 (none)	**220**		Ret Time: 10.599		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown11 (none)	**350**		Ret Time: 10.674		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown12 (none)	**880**		Ret Time: 10.807		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown13 (none)	**250**		Ret Time: 11.331		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown14 (none)	**1100**		Ret Time: 11.598		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown15 (none)	**390**		Ret Time: 11.956		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown16 (none)	**200**		Ret Time: 12.447		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
Unknown17 (none)	**220**		Ret Time: 12.655		ug/kg dry	1.00	08/29/10 19:06	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:03	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-10 (SB-18 (24-28) - Solid)						**Sampled: 08/20/10 13:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	100	39	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	3.9	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	100	26	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	100	42	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	100	15	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	520	310	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
2-Hexanone	ND	W1	520	210	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	520	33	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Acetone	ND	W1	520	430	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Benzene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Bromoform	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	100	26	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	100	50	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Chloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Chloroform	ND	W1	100	71	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Chloromethane	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	100	16	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Methyl Acetate	ND	W1	100	49	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Methylcyclohexane	ND	W1	100	49	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Methylene Chloride	ND	W1	100	21	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	57	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
o-Xylene	ND	W1	100	13	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-10 (SB-18 (24-28) - Solid) - cont.						**Sampled: 08/20/10 13:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	100	24	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	100	49	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Vinyl chloride	ND	W1	100	35	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	17	ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*103 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 04:14*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*83 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 04:14*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*88 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 04:14*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**1500**		Ret Time: 6.008		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**1800**		Ret Time: 9.33		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown01 (none)	**1400**		Ret Time: 7.632		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown02 (none)	**1600**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown03 (none)	**2000**		Ret Time: 9.561		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown04 (none)	**1600**		Ret Time: 10.352		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown05 (none)	**1700**		Ret Time: 10.4		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown06 (none)	**3300**		Ret Time: 10.492		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown07 (none)	**2300**		Ret Time: 10.802		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Unknown08 (none)	**1400**		Ret Time: 11.647		ug/kg dry	1.00	08/31/10 04:14	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Chlorophenol	ND		180	9.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2-Nitrophenol	ND		180	8.2	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND		350	62	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
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Work Order: RTH1210

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-10 (SB-18 (24-28) - Solid) - cont. **Sampled: 08/20/10 13:30** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Methylphenol	ND		180	9.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Acetophenone	ND		180	9.2	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**1300**		180	57	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Di-n-butyl phthalate	ND		180	62	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Fluorene	**83**	J	180	4.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Hexachlorobenzene	ND		180	8.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-10 (SB-18 (24-28) - Solid) - cont.						**Sampled: 08/20/10 13:30**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Phenanthrene	**230**		180	3.7	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
2,4,6-Tribromophenol	*89 %*		*Surr Limits: (39-146%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*81 %*		*Surr Limits: (37-120%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*71 %*		*Surr Limits: (18-120%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*80 %*		*Surr Limits: (34-132%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*76 %*		*Surr Limits: (11-120%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*79 %*		*Surr Limits: (58-147%)*				*08/29/10 19:30*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
9-Octadecenamide, (Z)-(000301-02-0)	**990**		Ret Time: 13.622		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown01 (none)	**950**		Ret Time: 7.842		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown02 (none)	**1800**		Ret Time: 8.32		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown03 (none)	**950**		Ret Time: 8.921		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown04 (none)	**1200**		Ret Time: 9.279		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown05 (none)	**740**		Ret Time: 9.514		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown06 (none)	**1200**		Ret Time: 9.664		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown07 (none)	**2600**		Ret Time: 9.685		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown08 (none)	**1000**		Ret Time: 10.225		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown09 (none)	**1500**		Ret Time: 10.27		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown10 (none)	**1600**		Ret Time: 10.337		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown11 (none)	**1700**		Ret Time: 10.679		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown12 (none)	**4700**		Ret Time: 10.812		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown13 (none)	**6700**		Ret Time: 11.117		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown14 (none)	**1100**		Ret Time: 11.341		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown15 (none)	**4300**		Ret Time: 11.608		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown16 (none)	**1700**		Ret Time: 11.961		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown17 (none)	**800**		Ret Time: 12.458		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown18 (none)	**1200**		Ret Time: 12.66		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
Unknown19 (none)	**730**		Ret Time: 12.858		ug/kg dry	1.00	08/29/10 19:30	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:05	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-11 (SB-16 (20-24) - Solid)						**Sampled: 08/20/10 16:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	100	40	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	4.0	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	100	43	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	100	32	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	100	15	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	520	310	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
2-Hexanone	ND	W1	520	210	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	520	33	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Acetone	ND	W1	520	430	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Benzene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Bromoform	ND	W1	100	52	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	100	27	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	100	51	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Chloroethane	ND	W1	100	22	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Chloroform	ND	W1	100	72	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Chloromethane	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	100	16	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Methyl Acetate	ND	W1	100	50	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Methylcyclohexane	**1900**	W1	100	49	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Methylene Chloride	ND	W1	100	21	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
o-Xylene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-11 (SB-16 (20-24) - Solid) - cont.						**Sampled: 08/20/10 16:30**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
tert-Butylbenzene	**100**	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	100	25	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	100	5.0	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	100	49	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Vinyl chloride	ND	W1	100	35	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*102 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 04:37*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*67 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 04:37*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*73 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 04:37*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1,1,3-trimethyl- (003073-66-3)	**6100**		Ret Time: 6.768		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**7800**		Ret Time: 6.008		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**7000**		Ret Time: 9.33		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown01 (none)	**10000**		Ret Time: 7.614		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown02 (none)	**8000**		Ret Time: 7.809		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown03 (none)	**7300**		Ret Time: 7.857		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown04 (none)	**8800**		Ret Time: 7.985		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown05 (none)	**7200**		Ret Time: 8.216		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown06 (none)	**8800**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Unknown07 (none)	**7800**		Ret Time: 10.492		ug/kg dry	1.00	08/31/10 04:37	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	1800	380	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	1800	92	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	1800	480	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	3400	620	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	1800	270	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	1800	430	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Methylphenol	ND	D02	1800	54	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	3400	560	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	1800	80	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D02	1800	1500	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	3400	400	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	3400	610	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-11 (SB-16 (20-24) - Solid) - cont. **Sampled: 08/20/10 16:30** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND	D02	1800	560	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	1800	72	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	1800	520	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	1800	38	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Methylphenol	ND	D02	1800	98	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	3400	200	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	3400	430	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Acenaphthene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Acenaphthylene	ND	D02	1800	14	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Acetophenone	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Anthracene	ND	D02	1800	45	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Atrazine	ND	D02	1800	78	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzaldehyde	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	1800	30	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	1800	42	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	1800	34	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	1800	19	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Biphenyl	ND	D02	1800	110	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	1800	96	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	1800	150	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	1800	180	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	1800	570	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	1800	470	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Caprolactam	ND	D02	1800	760	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Carbazole	ND	D02	1800	20	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Chrysene	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Dibenzofuran	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	1800	53	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	1800	46	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	1800	610	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	1800	41	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Fluoranthene	ND	D02	1800	26	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Fluorene	ND	D02	1800	41	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	1800	87	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	1800	530	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Hexachloroethane	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	1800	49	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Isophorone	ND	D02	1800	88	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Naphthalene	ND	D02	1800	29	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Nitrobenzene	ND	D02	1800	78	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	1800	96	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-11 (SB-16 (20-24) - Solid) - cont.						**Sampled: 08/20/10 16:30**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Pentachlorophenol	ND	D02	3400	600	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Phenanthrene	**430**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Phenol	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Pyrene	ND	D02	1800	11	ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
2,4,6-Tribromophenol	*96 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*92 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*80 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*93 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*86 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*87 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 19:53*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**2900**		Ret Time: 7.842		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown02 (none)	**2900**		Ret Time: 7.96		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown03 (none)	**11000**		Ret Time: 8.312		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown04 (none)	**3300**		Ret Time: 8.788		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown05 (none)	**4200**		Ret Time: 8.921		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown06 (none)	**4300**		Ret Time: 9.274		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown07 (none)	**4000**		Ret Time: 9.514		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown08 (none)	**3400**		Ret Time: 9.573		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown09 (none)	**3400**		Ret Time: 9.616		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown10 (none)	**7100**		Ret Time: 9.658		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown11 (none)	**11000**		Ret Time: 9.68		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown12 (none)	**3200**		Ret Time: 9.71		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown13 (none)	**4600**		Ret Time: 10.267		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown14 (none)	**5100**		Ret Time: 10.33		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown15 (none)	**5500**		Ret Time: 10.673		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown16 (none)	**9300**		Ret Time: 10.807		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown17 (none)	**19000**		Ret Time: 11.106		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown18 (none)	**2800**		Ret Time: 11.331		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown19 (none)	**11000**		Ret Time: 11.598		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
Unknown20 (none)	**4100**		Ret Time: 11.956		ug/kg dry	10.0	08/29/10 19:53	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:07	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-12 (SS-4 - Solid)						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.3	0.38	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,1,2,2-Tetrachloroethane	ND		5.3	0.85	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,1,2-Trichloroethane	ND		5.3	0.68	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,1-Dichloroethane	ND		5.3	0.64	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,1-Dichloroethene	ND		5.3	0.64	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2,4-Trimethylbenzene	ND		5.3	1.0	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dibromo-3-chloropropane	ND		5.3	2.6	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dibromoethane	ND		5.3	0.67	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dichlorobenzene	ND		5.3	0.41	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dichloroethane	ND		5.3	0.26	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dichloropropane	ND		5.3	2.6	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,3,5-Trimethylbenzene	ND		5.3	0.34	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,3-Dichlorobenzene	ND		5.3	0.27	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,4-Dichlorobenzene	ND		5.3	0.74	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
2-Butanone	ND		26	1.9	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
2-Hexanone	ND		26	2.6	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
p-Cymene	ND		5.3	0.42	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
4-Methyl-2-pentanone	ND		26	1.7	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Acetone	ND		26	4.4	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Benzene	ND		5.3	0.26	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Bromodichloromethane	ND		5.3	0.70	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Bromoform	ND		5.3	2.6	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Bromomethane	ND		5.3	0.47	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Carbon disulfide	ND		5.3	2.6	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Carbon Tetrachloride	ND		5.3	0.51	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Chlorobenzene	ND		5.3	0.69	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Dibromochloromethane	ND		5.3	0.67	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Chloroethane	ND		5.3	1.2	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Chloroform	ND		5.3	0.32	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Chloromethane	ND		5.3	0.32	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Cyclohexane	ND		5.3	0.74	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Dichlorodifluoromethane	ND		5.3	0.43	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Ethylbenzene	ND		5.3	0.36	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Isopropylbenzene	ND		5.3	0.79	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Methyl Acetate	ND		5.3	0.98	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.3	0.52	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Methylcyclohexane	ND		5.3	0.80	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Methylene Chloride	**4.6**	J	5.3	2.4	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
m-Xylene & p-Xylene	ND		11	0.88	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
n-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
n-Propylbenzene	ND		5.3	0.42	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
o-Xylene	ND		5.3	0.69	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
sec-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Styrene	ND		5.3	0.26	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-12 (SS-4 - Solid) - cont.						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.3	0.55	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Tetrachloroethene	ND		5.3	0.71	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Toluene	ND		5.3	0.40	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Trichloroethene	ND		5.3	1.2	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Trichlorofluoromethane	ND		5.3	0.50	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Vinyl chloride	ND		5.3	0.64	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Xylenes, total	ND		11	0.88	ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
1,2-Dichloroethane-d4	*108 %*		*Surr Limits: (64-126%)*				*08/28/10 21:59*	*PJQ*	*10H2053*	*8260B*
4-Bromofluorobenzene	*102 %*		*Surr Limits: (72-126%)*				*08/28/10 21:59*	*PJQ*	*10H2053*	*8260B*
Toluene-d8	*112 %*		*Surr Limits: (71-125%)*				*08/28/10 21:59*	*PJQ*	*10H2053*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/28/10 21:59	PJQ	10H2053	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	900	190	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D12	900	59	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D12	900	47	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D12	900	240	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D12	1700	310	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D12	900	140	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D12	900	220	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D12	900	60	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Chlorophenol	ND	D12	900	45	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D12	900	11	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Methylphenol	ND	D12	900	27	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Nitroaniline	ND	D12	1700	290	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2-Nitrophenol	ND	D12	900	41	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D12	900	780	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
3-Nitroaniline	ND	D12	1700	210	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D12	1700	310	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D12	900	280	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D12	900	37	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Chloroaniline	ND	D12	900	260	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D12	900	19	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Methylphenol	ND	D12	900	50	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Nitroaniline	ND	D12	1700	100	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
4-Nitrophenol	ND	D12	1700	220	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Acenaphthene	ND	D12	900	10	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Acenaphthylene	ND	D12	900	7.3	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Acetophenone	ND	D12	900	46	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Anthracene	ND	D12	900	23	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Atrazine	ND	D12	900	40	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzaldehyde	ND	D12	900	98	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(a)anthracene	**910**	D12	900	15	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-12 (SS-4 - Solid) - cont.						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	**1500**	D12	900	22	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(b)fluoranthene	**1000**	D12,ID4	900	17	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(ghi)perylene	**2100**	D12	900	11	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D12	900	9.8	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Biphenyl	ND	D12	900	56	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D12	900	49	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D12	900	77	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	900	93	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D12	900	290	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D12	900	240	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Caprolactam	ND	D12	900	390	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Carbazole	ND	D12	900	10	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Chrysene	**1500**	D12	900	8.9	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	**1500**	D12	900	11	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Dibenzofuran	ND	D12	900	9.3	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Diethyl phthalate	ND	D12	900	27	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Dimethyl phthalate	ND	D12	900	23	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D12	900	310	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D12	900	21	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Fluoranthene	**350**	D12,J	900	13	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Fluorene	ND	D12	900	21	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Hexachlorobenzene	ND	D12	900	44	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D12	900	46	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D12	900	270	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Hexachloroethane	ND	D12	900	69	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**920**	D12	900	25	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Isophorone	ND	D12	900	45	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Naphthalene	ND	D12	900	15	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Nitrobenzene	ND	D12	900	40	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D12	900	71	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D12	900	49	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Pentachlorophenol	ND	D12	1700	310	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Phenanthrene	**280**	D12,J	900	19	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Phenol	ND	D12	900	94	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Pyrene	**510**	D12,J	900	5.8	ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
2,4,6-Tribromophenol	*109 %*	*D12*	*Surr Limits: (39-146%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*97 %*	*D12*	*Surr Limits: (37-120%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*79 %*	*D12*	*Surr Limits: (18-120%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*87 %*	*D12*	*Surr Limits: (34-132%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*89 %*	*D12*	*Surr Limits: (11-120%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*94 %*	*D12*	*Surr Limits: (58-147%)*				*08/29/10 20:17*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Benzoxazole, 2-[2-(4-piperidyl)pyrimid-5-yl]-(1000294-14-8)	**2900**		Ret Time: 16.112		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-12 (SS-4 - Solid) - cont. **Sampled: 08/20/10 10:45** **Recvd: 08/23/10 14:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics TICs by GC/MS - cont.										
Perylene, 3-methyl- (024471-47-4)	**1600**		Ret Time: 15.749		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown01 (none)	**1700**		Ret Time: 14.483		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown02 (none)	**1600**		Ret Time: 14.51		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown03 (none)	**770**		Ret Time: 14.851		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown04 (none)	**1100**		Ret Time: 14.88		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown05 (none)	**4000**		Ret Time: 15.658		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown06 (none)	**2900**		Ret Time: 15.786		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown07 (none)	**750**		Ret Time: 15.84		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown08 (none)	**2700**		Ret Time: 16.144		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown09 (none)	**1900**		Ret Time: 16.181		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown10 (none)	**1500**		Ret Time: 16.438		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown11 (none)	**1100**		Ret Time: 16.774		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown12 (none)	**3200**		Ret Time: 16.807		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown13 (none)	**8500**		Ret Time: 16.86		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown14 (none)	**1600**		Ret Time: 17.084		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown15 (none)	**840**		Ret Time: 17.303		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown16 (none)	**2600**		Ret Time: 17.458		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown17 (none)	**4100**		Ret Time: 17.51		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Unknown18 (none)	**870**		Ret Time: 17.704		ug/kg dry	5.00	08/29/10 20:17	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL, D10	8.7	1.7	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
4,4'-DDE	**2.6**	QFL, D10,J, B	8.7	1.3	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
4,4'-DDT	**5.6**	QFL, D10,J	8.7	0.88	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Aldrin	ND	QFL, D10	8.7	2.1	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
alpha-BHC	**2.7**	QFL, D10,J, B	8.7	1.6	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
beta-BHC	ND	QFL, D10	8.7	0.94	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Chlordane	ND	QFL, D10	87	19	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
delta-BHC	ND	QFL, D10	8.7	1.1	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Dieldrin	ND	QFL, D10	8.7	2.1	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endosulfan I	ND	QFL, D10	8.7	1.1	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endosulfan II	ND	QFL, D10	8.7	1.6	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endosulfan sulfate	ND	QFL, D10	8.7	1.6	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endrin	**1.8**	QFL, D10,J	8.7	1.2	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Endrin aldehyde	ND	QFL, D10	8.7	2.2	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
gamma-BHC (Lindane)	ND	QFL, D10	8.7	1.5	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Heptachlor	ND	QFL, D10	8.7	1.4	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Heptachlor epoxide	ND	QFL, D10	8.7	2.2	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Methoxychlor	ND	QFL, D10	8.7	1.2	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Toxaphene	ND	QFL, D10	87	50	ug/kg dry	5.00	09/01/10 23:01	LMW	10H1967	8081A
Decachlorobiphenyl	*157 %*	*QFL, D10*	*Surr Limits: (42-146%)*				*09/01/10 23:01*	*LMW*	*10H1967*	*8081A*
Tetrachloro-m-xylene	*87 %*	*QFL, D10*	*Surr Limits: (37-136%)*				*09/01/10 23:01*	*LMW*	*10H1967*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-12 (SS-4 - Solid) - cont.						**Sampled: 08/20/10 10:45**		**Recvd: 08/23/10 14:15**		
Polychlorinated Biphenyls by EPA Method 8082 - cont.										
Aroclor 1016	ND	QSU,C4	18	3.4	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1221	ND	QSU	18	3.4	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1232	ND	QSU	18	3.4	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1242	ND	QSU	18	3.8	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1248	ND	QSU	18	3.5	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1254	ND	QSU	18	3.7	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Aroclor 1260	ND	QSU	18	8.2	ug/kg dry	1.00	08/30/10 10:53	JxM	10H1973	8082
Decachlorobiphenyl	*108 %*	*QSU*	*Surr Limits: (34-148%)*				*08/30/10 10:53*	*JxM*	*10H1973*	*8082*
Tetrachloro-m-xylene	*142 %*	*QSU,Z5*	*Surr Limits: (35-134%)*				*08/30/10 10:53*	*JxM*	*10H1973*	*8082*
Herbicides										
2,4,5-T [2C]	ND		18	5.7	ug/kg dry	1.00	08/29/10 16:14	MAN	10H1894	8151A
2,4-D [2C]	ND		18	11	ug/kg dry	1.00	08/29/10 16:14	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		18	6.4	ug/kg dry	1.00	08/29/10 16:14	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*76 %*		*Surr Limits: (15-120%)*				*08/29/10 16:14*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**8180**		11.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Antimony	ND		16.5	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Arsenic	**21.1**		2.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Barium	**132**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Beryllium	**0.741**		0.220	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Cadmium	ND		0.220	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Calcium	**3210**		55.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Chromium	**8.98**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Cobalt	**6.67**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Copper	**167**		1.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Iron	**16900**	B1	11.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Lead	**93.5**		1.1	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Magnesium	**1500**		22.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Manganese	**429**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Nickel	**13.6**		5.51	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Potassium	**695**		33.0	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Silver	ND		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Sodium	ND		154	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Thallium	ND		6.6	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Vanadium	**18.1**		0.551	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Zinc	**114**		2.2	NR	mg/kg dry	1.00	08/29/10 06:09	DAN	10H1801	6010B
Mercury	**0.191**		0.0216	NR	mg/kg dry	1.00	08/24/10 17:54	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/24/10 14:09	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-13 (SS-3 - Solid) — **Sampled: 08/20/10 16:45** — **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.40	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,1,2-Trichloroethane	ND		5.4	0.71	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,1-Dichloroethene	ND		5.4	0.67	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dibromoethane	ND		5.4	0.70	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dichlorobenzene	ND		5.4	0.43	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
2-Butanone	ND		27	2.0	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
p-Cymene	ND		5.4	0.44	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Acetone	ND		27	4.6	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Benzene	ND		5.4	0.27	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Bromodichloromethane	ND		5.4	0.73	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Carbon Tetrachloride	ND		5.4	0.53	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Chlorobenzene	ND		5.4	0.72	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Dibromochloromethane	ND		5.4	0.70	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Chloroform	ND		5.4	0.34	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Chloromethane	ND		5.4	0.33	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
cis-1,2-Dichloroethene	ND		5.4	0.70	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Cyclohexane	ND		5.4	0.76	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Ethylbenzene	ND		5.4	0.38	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Isopropylbenzene	ND		5.4	0.82	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.54	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Methylcyclohexane	ND		5.4	0.83	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Methylene Chloride	ND		5.4	2.5	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
m-Xylene & p-Xylene	ND		11	0.92	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
n-Propylbenzene	ND		5.4	0.44	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
o-Xylene	ND		5.4	0.71	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
sec-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-13 (SS-3 - Solid) - cont.						**Sampled: 08/20/10 16:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.4	0.57	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Tetrachloroethene	ND		5.4	0.73	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Trichlorofluoromethane	ND		5.4	0.52	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Xylenes, total	ND		11	0.92	ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
1,2-Dichloroethane-d4	*107 %*		*Surr Limits: (64-126%)*				*08/28/10 22:25*	*PJQ*	*10H2053*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (72-126%)*				*08/28/10 22:25*	*PJQ*	*10H2053*	*8260B*
Toluene-d8	*114 %*		*Surr Limits: (71-125%)*				*08/28/10 22:25*	*PJQ*	*10H2053*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/28/10 22:25	PJQ	10H2053	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	7400	1600	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D12	7400	490	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D12	7400	390	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D12	7400	2000	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D12	14000	2600	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D12	7400	1100	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D12	7400	1800	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D12	7400	500	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Chlorophenol	ND	D12	7400	380	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D12	7400	89	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Methylphenol	ND	D12	7400	230	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Nitroaniline	ND	D12	14000	2400	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2-Nitrophenol	ND	D12	7400	340	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D12	7400	6500	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
3-Nitroaniline	ND	D12	14000	1700	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D12	14000	2600	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D12	7400	2400	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D12	7400	300	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Chloroaniline	ND	D12	7400	2200	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D12	7400	160	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Methylphenol	ND	D12	7400	410	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Nitroaniline	ND	D12	14000	830	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
4-Nitrophenol	ND	D12	14000	1800	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Acenaphthene	ND	D12	7400	87	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Acenaphthylene	ND	D12	7400	60	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Acetophenone	ND	D12	7400	380	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Anthracene	ND	D12	7400	190	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Atrazine	ND	D12	7400	330	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzaldehyde	ND	D12	7400	810	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D12	7400	130	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1210

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-13 (SS-3 - Solid) - cont.						**Sampled: 08/20/10 16:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND	D12	7400	180	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzo(b)fluoranthene	**880**	D12,ID4, J	7400	140	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzo(ghi)perylene	**930**	D12,J	7400	89	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D12	7400	81	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Biphenyl	ND	D12	7400	460	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D12	7400	400	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D12	7400	640	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	7400	770	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D12	7400	2400	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D12	7400	2000	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Caprolactam	ND	D12	7400	3200	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Carbazole	ND	D12	7400	85	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Chrysene	ND	D12	7400	74	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D12	7400	87	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Dibenzofuran	ND	D12	7400	77	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Diethyl phthalate	ND	D12	7400	220	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Dimethyl phthalate	ND	D12	7400	190	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D12	7400	2600	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D12	7400	170	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Fluoranthene	ND	D12	7400	110	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Fluorene	ND	D12	7400	170	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Hexachlorobenzene	ND	D12	7400	370	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D12	7400	380	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D12	7400	2200	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Hexachloroethane	ND	D12	7400	570	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D12	7400	200	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Isophorone	ND	D12	7400	370	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Naphthalene	ND	D12	7400	120	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Nitrobenzene	ND	D12	7400	330	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D12	7400	590	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D12	7400	400	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Pentachlorophenol	ND	D12	14000	2500	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Phenanthrene	ND	D12	7400	160	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Phenol	ND	D12	7400	780	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Pyrene	**710**	D12,J	7400	48	ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
2,4,6-Tribromophenol	*85 %*	*D12*	*Surr Limits: (39-146%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*93 %*	*D12*	*Surr Limits: (37-120%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*83 %*	*D12*	*Surr Limits: (18-120%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*79 %*	*D12*	*Surr Limits: (34-132%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*85 %*	*D12*	*Surr Limits: (11-120%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*89 %*	*D12*	*Surr Limits: (58-147%)*				*08/29/10 20:41*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	40.0	08/29/10 20:41	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										

Benchmark Environmental & Engineering Science
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-13 (SS-3 - Solid) - cont.							**Sampled: 08/20/10 16:45**		**Recvd: 08/23/10 14:15**	
Organochlorine Pesticides by EPA Method 8081A - cont.										
4,4'-DDD	ND	QFL, D10	89	17	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
4,4'-DDE	ND	QFL, D10	89	13	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
4,4'-DDT	ND	QFL, D10	89	9.0	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Aldrin	ND	QFL, D10	89	22	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
alpha-BHC	ND	QFL, D10	89	16	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
beta-BHC	ND	QFL, D10	89	9.6	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Chlordane	ND	QFL, D10	890	200	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
delta-BHC	ND	QFL, D10	89	12	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Dieldrin	ND	QFL, D10	89	21	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Endosulfan I	ND	QFL, D10	89	11	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Endosulfan II	ND	QFL, D10	89	16	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Endosulfan sulfate	ND	QFL, D10	89	17	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Endrin	ND	QFL, D10	89	12	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Endrin aldehyde	ND	QFL, D10	89	23	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
gamma-BHC (Lindane)	ND	QFL, D10	89	15	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Heptachlor	ND	QFL, D10	89	14	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Heptachlor epoxide	ND	QFL, D10	89	23	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Methoxychlor	ND	QFL, D10	89	12	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Toxaphene	ND	QFL, D10	890	520	ug/kg dry	50.0	09/01/10 23:37	LMW	10H1967	8081A
Decachlorobiphenyl	*	*QFL, D10*	*Surr Limits: (42-146%)*				*09/01/10 23:37*	*LMW*	*10H1967*	*8081A*
Tetrachloro-m-xylene	*	*QFL, D10*	*Surr Limits: (37-136%)*				*09/01/10 23:37*	*LMW*	*10H1967*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C4	18	3.6	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1221	ND	QSU	18	3.6	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1232	ND	QSU	18	3.6	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1242	ND	QSU	18	3.9	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1248	ND	QSU	18	3.6	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1254	ND	QSU	18	3.8	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Aroclor 1260	ND	QSU	18	8.5	ug/kg dry	1.00	08/30/10 21:02	JxM	10H1973	8082
Decachlorobiphenyl	*92 %*	*QSU*	*Surr Limits: (34-148%)*				*08/30/10 21:02*	*JxM*	*10H1973*	*8082*
Tetrachloro-m-xylene	*77 %*	*QSU*	*Surr Limits: (35-134%)*				*08/30/10 21:02*	*JxM*	*10H1973*	*8082*
Herbicides										
2,4,5-T [2C]	ND		19	5.8	ug/kg dry	1.00	08/29/10 16:44	MAN	10H1894	8151A
2,4-D [2C]	ND		19	11	ug/kg dry	1.00	08/29/10 16:44	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		19	6.5	ug/kg dry	1.00	08/29/10 16:44	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*67 %*		*Surr Limits: (15-120%)*				*08/29/10 16:44*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**6800**		11.4	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Antimony	ND		17.0	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Arsenic	**42.4**		2.3	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Barium	**96.8**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Beryllium	**0.455**		0.227	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Cadmium	**0.329**		0.227	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Calcium	**9190**		56.8	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Chromium	**16.0**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-13 (SS-3 - Solid) - cont.						**Sampled: 08/20/10 16:45**		**Recvd: 08/23/10 14:15**		
Total Metals by SW 846 Series Methods - cont.										
Cobalt	**5.60**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Copper	**173**		1.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Iron	**27800**	B1	11.4	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Lead	**518**		1.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Magnesium	**2550**		22.7	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Manganese	**282**		0.2	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Nickel	**16.8**		5.68	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Potassium	**583**		34.1	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Selenium	ND		4.5	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Silver	ND		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Sodium	ND		159	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Thallium	ND		6.8	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Vanadium	**20.4**		0.568	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Zinc	**142**		2.3	NR	mg/kg dry	1.00	08/29/10 06:23	DAN	10H1801	6010B
Mercury	**1.93**	D08	0.111	NR	mg/kg dry	5.00	08/24/10 18:14	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	08/24/10 14:11	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid)						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.2	0.38	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,1,2,2-Tetrachloroethane	ND		5.2	0.85	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,1,2-Trichloroethane	ND		5.2	0.68	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,1-Dichloroethane	ND		5.2	0.64	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,1-Dichloroethene	ND		5.2	0.64	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2,4-Trimethylbenzene	ND		5.2	1.0	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dibromo-3-chloropropane	ND		5.2	2.6	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dibromoethane	ND		5.2	0.67	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dichlorobenzene	ND		5.2	0.41	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dichloroethane	ND		5.2	0.26	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dichloropropane	ND		5.2	2.6	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,3,5-Trimethylbenzene	ND		5.2	0.34	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,3-Dichlorobenzene	ND		5.2	0.27	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,4-Dichlorobenzene	ND		5.2	0.73	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
2-Butanone	ND		26	1.9	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
2-Hexanone	ND		26	2.6	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
p-Cymene	ND		5.2	0.42	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
4-Methyl-2-pentanone	ND		26	1.7	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Acetone	ND		26	4.4	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Benzene	ND		5.2	0.26	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Bromodichloromethane	ND		5.2	0.70	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Bromoform	ND		5.2	2.6	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Bromomethane	ND		5.2	0.47	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Carbon disulfide	ND		5.2	2.6	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Carbon Tetrachloride	ND		5.2	0.51	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Chlorobenzene	ND		5.2	0.69	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Dibromochloromethane	ND		5.2	0.67	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Chloroethane	ND		5.2	1.2	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Chloroform	ND		5.2	0.32	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Chloromethane	ND		5.2	0.32	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Cyclohexane	ND		5.2	0.73	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Dichlorodifluoromethane	ND		5.2	0.43	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Ethylbenzene	ND		5.2	0.36	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Isopropylbenzene	ND		5.2	0.79	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Methyl Acetate	ND		5.2	0.97	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.2	0.51	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Methylcyclohexane	**3.3**	J	5.2	0.80	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Methylene Chloride	ND		5.2	2.4	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
m-Xylene & p-Xylene	ND		10	0.88	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
n-Butylbenzene	ND		5.2	0.46	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
n-Propylbenzene	ND		5.2	0.42	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
o-Xylene	ND		5.2	0.68	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
sec-Butylbenzene	ND		5.2	0.46	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Styrene	ND		5.2	0.26	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid) - cont.						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.2	0.54	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Tetrachloroethene	ND		5.2	0.70	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Toluene	ND		5.2	0.40	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Trichloroethene	ND		5.2	1.2	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Trichlorofluoromethane	ND		5.2	0.50	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Vinyl chloride	ND		5.2	0.64	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Xylenes, total	ND		10	0.88	ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
1,2-Dichloroethane-d4	*121 %*		*Surr Limits: (64-126%)*				*08/27/10 19:06*	*PJQ*	*10H1956*	*8260B*
4-Bromofluorobenzene	*106 %*		*Surr Limits: (72-126%)*				*08/27/10 19:06*	*PJQ*	*10H1956*	*8260B*
Toluene-d8	*115 %*		*Surr Limits: (71-125%)*				*08/27/10 19:06*	*PJQ*	*10H1956*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**14**		Ret Time: 7.047		ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Cyclohexane, 1-ethyl-4-methyl-, trans- (006236-88-0)	**5.8**		Ret Time: 8.774		ug/kg dry	1.00	08/27/10 19:06	PJQ	10H1956	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	1800	390	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D12	1800	120	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D12	1800	93	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D12	1800	480	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D12	3500	620	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D12	1800	280	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D12	1800	440	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D12	1800	120	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Chlorophenol	ND	D12	1800	91	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D12	1800	22	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Methylphenol	ND	D12	1800	55	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Nitroaniline	ND	D12	3500	570	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2-Nitrophenol	ND	D12	1800	81	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D12	1800	1600	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
3-Nitroaniline	ND	D12	3500	410	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D12	3500	610	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D12	1800	570	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D12	1800	73	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Chloroaniline	ND	D12	1800	520	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D12	1800	38	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Methylphenol	ND	D12	1800	99	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Nitroaniline	ND	D12	3500	200	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
4-Nitrophenol	ND	D12	3500	430	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Acenaphthene	**250**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Acenaphthylene	ND	D12	1800	15	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Acetophenone	ND	D12	1800	91	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C

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Received: 08/23/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid) - cont.						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Anthracene	**450**	D12,J	1800	46	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Atrazine	ND	D12	1800	79	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzaldehyde	ND	D12	1800	200	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(a)anthracene	**1300**	D12,J	1800	31	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(a)pyrene	**1500**	D12,J	1800	43	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(b)fluoranthene	**1600**	D12,J	1800	35	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(ghi)perylene	**1100**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Benzo(k)fluoranthene	**600**	D12,J	1800	20	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Biphenyl	ND	D12	1800	110	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D12	1800	97	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D12	1800	150	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	1800	190	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D12	1800	570	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D12	1800	480	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Caprolactam	ND	D12	1800	770	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Carbazole	**230**	D12,J	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Chrysene	**1400**	D12,J	1800	18	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D12	1800	21	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Dibenzofuran	ND	D12	1800	19	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Diethyl phthalate	ND	D12	1800	54	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Dimethyl phthalate	ND	D12	1800	46	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D12	1800	620	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D12	1800	42	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Fluoranthene	**2900**	D12	1800	26	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Fluorene	**170**	D12,J	1800	41	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Hexachlorobenzene	ND	D12	1800	88	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D12	1800	91	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D12	1800	540	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Hexachloroethane	ND	D12	1800	140	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**810**	D12,J	1800	49	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Isophorone	ND	D12	1800	89	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Naphthalene	ND	D12	1800	30	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Nitrobenzene	ND	D12	1800	79	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D12	1800	140	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D12	1800	97	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Pentachlorophenol	ND	D12	3500	610	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Phenanthrene	**2000**	D12	1800	37	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Phenol	ND	D12	1800	190	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Pyrene	**2700**	D12	1800	12	ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
2,4,6-Tribromophenol	*94 %*	*D12*	*Surr Limits: (39-146%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*86 %*	*D12*	*Surr Limits: (37-120%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*71 %*	*D12*	*Surr Limits: (18-120%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*78 %*	*D12*	*Surr Limits: (34-132%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*81 %*	*D12*	*Surr Limits: (11-120%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*92 %*	*D12*	*Surr Limits: (58-147%)*				*08/29/10 21:05*	*MAF*	*10H1812*	*8270C*

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid) - cont.						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics TICs by GC/MS										
No TICs found (NOTICS)	ND				ug/kg dry	10.0	08/29/10 21:05	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL, D10	8.7	1.7	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
4,4'-DDE	**2.6**	QFL, D10,J, B	8.7	1.3	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
4,4'-DDT	**7.4**	QFL, D10,J	8.7	0.89	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Aldrin	ND	QFL, D10	8.7	2.1	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
alpha-BHC	ND	QFL, D10	8.7	1.6	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
beta-BHC	ND	QFL, D10	8.7	0.94	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Chlordane	ND	QFL, D10	87	19	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
delta-BHC	ND	QFL, D10	8.7	1.1	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Dieldrin	ND	QFL, D10	8.7	2.1	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Endosulfan I	ND	QFL, D10	8.7	1.1	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Endosulfan II	ND	QFL, D10	8.7	1.6	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Endosulfan sulfate	ND	QFL, D10	8.7	1.6	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Endrin	ND	QFL, D10	8.7	1.2	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Endrin aldehyde	ND	QFL, D10	8.7	2.2	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
gamma-BHC (Lindane)	ND	QFL, D10	8.7	1.5	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Heptachlor	ND	QFL, D10	8.7	1.4	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Heptachlor epoxide	ND	QFL, D10	8.7	2.2	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Methoxychlor	ND	QFL, D10	8.7	1.2	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Toxaphene	ND	QFL, D10	87	51	ug/kg dry	5.00	09/02/10 00:13	LMW	10H1967	8081A
Decachlorobiphenyl	*88 %*	*QFL, D10*	*Surr Limits: (42-146%)*				*09/02/10 00:13*	*LMW*	*10H1967*	*8081A*
Tetrachloro-m-xylene	*86 %*	*QFL, D10*	*Surr Limits: (37-136%)*				*09/02/10 00:13*	*LMW*	*10H1967*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C4	17	3.4	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1221	ND	QSU	17	3.4	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1232	ND	QSU	17	3.4	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1242	ND	QSU	17	3.8	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1248	ND	QSU	17	3.4	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1254	ND	QSU	17	3.7	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Aroclor 1260	ND	QSU	17	8.1	ug/kg dry	1.00	08/30/10 11:30	JxM	10H1973	8082
Decachlorobiphenyl	*104 %*	*QSU*	*Surr Limits: (34-148%)*				*08/30/10 11:30*	*JxM*	*10H1973*	*8082*
Tetrachloro-m-xylene	*105 %*	*QSU*	*Surr Limits: (35-134%)*				*08/30/10 11:30*	*JxM*	*10H1973*	*8082*
Herbicides										
2,4,5-T [2C]	ND		17	5.5	ug/kg dry	1.00	08/29/10 17:43	MAN	10H1894	8151A
2,4-D [2C]	ND		17	11	ug/kg dry	1.00	08/29/10 17:43	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		17	6.1	ug/kg dry	1.00	08/29/10 17:43	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*56 %*		*Surr Limits: (15-120%)*				*08/29/10 17:43*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**7340**		11.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Antimony	ND		16.6	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Arsenic	**30.7**		2.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Barium	**84.9**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
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Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-14 (SS-2 - Solid) - cont.						**Sampled: 08/20/10 16:50**		**Recvd: 08/23/10 14:15**		
Total Metals by SW 846 Series Methods - cont.										
Beryllium	**0.406**		0.221	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Cadmium	**0.310**		0.221	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Calcium	**21000**		55.4	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Chromium	**10.0**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Cobalt	**4.82**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Copper	**63.9**		1.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Iron	**16900**	B1	11.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Lead	**93.9**		1.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Magnesium	**5280**		22.1	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Manganese	**437**		0.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Nickel	**14.2**		5.54	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Potassium	**1020**		33.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Silver	ND		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Sodium	ND		155	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Thallium	ND		6.6	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Vanadium	**20.0**		0.554	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Zinc	**142**		2.2	NR	mg/kg dry	1.00	08/29/10 06:28	DAN	10H1801	6010B
Mercury	**0.872**		0.0220	NR	mg/kg dry	1.00	08/24/10 17:58	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:13	JRR	10H1650	Dry Weight

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-15 (SS-1 - Solid) — **Sampled: 08/20/10 17:00** — **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.6	0.41	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,1,2,2-Tetrachloroethane	ND		5.6	0.92	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,1,2-Trichloroethane	ND		5.6	0.73	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,1-Dichloroethane	ND		5.6	0.69	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,1-Dichloroethene	ND		5.6	0.69	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2,4-Trimethylbenzene	ND		5.6	1.1	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dibromo-3-chloropropane	ND		5.6	2.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dibromoethane	ND		5.6	0.73	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dichlorobenzene	ND		5.6	0.44	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dichloroethane	ND		5.6	0.28	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dichloropropane	ND		5.6	2.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,3,5-Trimethylbenzene	ND		5.6	0.36	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,3-Dichlorobenzene	ND		5.6	0.29	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,4-Dichlorobenzene	ND		5.6	0.79	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
2-Butanone	**36**		28	2.1	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
2-Hexanone	ND		28	2.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
p-Cymene	ND		5.6	0.45	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
4-Methyl-2-pentanone	ND		28	1.9	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Acetone	**71**		28	4.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Benzene	ND		5.6	0.28	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Bromodichloromethane	ND		5.6	0.76	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Bromoform	ND		5.6	2.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Bromomethane	ND		5.6	0.51	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Carbon disulfide	ND		5.6	2.8	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Carbon Tetrachloride	ND		5.6	0.55	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Chlorobenzene	ND		5.6	0.75	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Dibromochloromethane	ND		5.6	0.72	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Chloroethane	ND		5.6	1.3	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Chloroform	ND		5.6	0.35	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Chloromethane	ND		5.6	0.34	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclohexane	ND		5.6	0.79	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Dichlorodifluoromethane	ND		5.6	0.47	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Ethylbenzene	ND		5.6	0.39	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Isopropylbenzene	ND		5.6	0.85	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methyl Acetate	ND		5.6	1.1	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.6	0.55	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methylcyclohexane	**20**		5.6	0.86	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Methylene Chloride	**6.3**		5.6	2.6	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
m-Xylene & p-Xylene	ND		11	0.95	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
n-Butylbenzene	ND		5.6	0.49	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
n-Propylbenzene	ND		5.6	0.45	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
o-Xylene	ND		5.6	0.74	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
sec-Butylbenzene	ND		5.6	0.49	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Styrene	ND		5.6	0.28	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-15 (SS-1 - Solid) - cont.						**Sampled: 08/20/10 17:00**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.6	0.59	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Tetrachloroethene	ND		5.6	0.76	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Toluene	ND		5.6	0.43	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Trichloroethene	ND		5.6	1.2	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Trichlorofluoromethane	ND		5.6	0.53	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Vinyl chloride	ND		5.6	0.69	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Xylenes, total	ND		11	0.95	ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
1,2-Dichloroethane-d4	*125 %*		*Surr Limits: (64-126%)*				*08/27/10 19:31*	*PJQ*	*10H1956*	*8260B*
4-Bromofluorobenzene	*108 %*		*Surr Limits: (72-126%)*				*08/27/10 19:31*	*PJQ*	*10H1956*	*8260B*
Toluene-d8	*116 %*		*Surr Limits: (71-125%)*				*08/27/10 19:31*	*PJQ*	*10H1956*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**10**		Ret Time: 8.774		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**14**		Ret Time: 7.405		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**54**		Ret Time: 7.047		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**17**		Ret Time: 7.509		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclohexane, ethyl- (001678-91-7)	**12**		Ret Time: 7.971		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Cyclopentane, 1,2,4-trimethyl-, (1.alpha.,2.be (016883-48-0)	**12**		Ret Time: 6.365		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Unknown01 (none)	**11**		Ret Time: 6.815		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Unknown02 (none)	**9.7**		Ret Time: 7.229		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Unknown03 (none)	**11**		Ret Time: 7.746		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Unknown04 (none)	**12**		Ret Time: 9.115		ug/kg dry	1.00	08/27/10 19:31	PJQ	10H1956	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	950	210	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D12	950	62	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D12	950	49	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D12	950	250	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D12	1800	330	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D12	950	150	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D12	950	230	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D12	950	63	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Chlorophenol	ND	D12	950	48	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D12	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Methylphenol	ND	D12	950	29	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Nitroaniline	ND	D12	1800	300	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2-Nitrophenol	ND	D12	950	43	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND	D12	950	830	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
3-Nitroaniline	ND	D12	1800	220	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D12	1800	330	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-15 (SS-1 - Solid) - cont. **Sampled: 08/20/10 17:00** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND	D12	950	300	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D12	950	39	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Chloroaniline	ND	D12	950	280	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D12	950	20	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Methylphenol	ND	D12	950	52	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Nitroaniline	ND	D12	1800	110	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
4-Nitrophenol	ND	D12	1800	230	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Acenaphthene	ND	D12	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Acenaphthylene	ND	D12	950	7.7	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Acetophenone	ND	D12	950	48	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Anthracene	ND	D12	950	24	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Atrazine	ND	D12	950	42	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzaldehyde	ND	D12	950	100	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(a)anthracene	**160**	D12,J	950	16	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(a)pyrene	**170**	D12,J	950	23	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(b)fluoranthene	**280**	D12,ID4, J	950	18	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(ghi)perylene	**160**	D12,J	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D12	950	10	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Biphenyl	ND	D12	950	59	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D12	950	51	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D12	950	81	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	950	98	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D12	950	300	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D12	950	250	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Caprolactam	ND	D12	950	410	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Carbazole	ND	D12	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Chrysene	**190**	D12,J	950	9.4	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D12	950	11	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Dibenzofuran	ND	D12	950	9.8	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Diethyl phthalate	ND	D12	950	28	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Dimethyl phthalate	ND	D12	950	25	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D12	950	330	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D12	950	22	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Fluoranthene	**300**	D12,J	950	14	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Fluorene	ND	D12	950	22	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Hexachlorobenzene	ND	D12	950	47	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D12	950	48	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D12	950	280	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Hexachloroethane	ND	D12	950	73	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	**130**	D12,J	950	26	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Isophorone	ND	D12	950	47	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Naphthalene	ND	D12	950	16	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Nitrobenzene	ND	D12	950	42	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D12	950	75	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-15 (SS-1 - Solid) - cont.							**Sampled: 08/20/10 17:00**		**Recvd: 08/23/10 14:15**	
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodiphenylamine	ND	D12	950	51	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Pentachlorophenol	ND	D12	1800	320	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Phenanthrene	**170**	D12,J	950	20	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Phenol	ND	D12	950	99	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Pyrene	**270**	D12,J	950	6.1	ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
2,4,6-Tribromophenol	*107 %*	*D12*	*Surr Limits: (39-146%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*91 %*	*D12*	*Surr Limits: (37-120%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*77 %*	*D12*	*Surr Limits: (18-120%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*83 %*	*D12*	*Surr Limits: (34-132%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*84 %*	*D12*	*Surr Limits: (11-120%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*93 %*	*D12*	*Surr Limits: (58-147%)*				*08/29/10 21:28*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**840**		Ret Time: 14.947		ug/kg dry	5.00	08/29/10 21:28	MAF	10H1812	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL, D10	9.3	1.8	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
4,4'-DDE	ND	QFL, D10	9.3	1.4	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
4,4'-DDT	**6.1**	QFL, D10,J	9.3	0.95	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Aldrin	ND	QFL, D10	9.3	2.3	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
alpha-BHC	**2.6**	QFL, D10,J, B	9.3	1.7	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
beta-BHC	ND	QFL, D10	9.3	1.0	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Chlordane	ND	QFL, D10	93	21	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
delta-BHC	ND	QFL, D10	9.3	1.2	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Dieldrin	ND	QFL, D10	9.3	2.2	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Endosulfan I	ND	QFL, D10	9.3	1.2	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Endosulfan II	ND	QFL, D10	9.3	1.7	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Endosulfan sulfate	ND	QFL, D10	9.3	1.7	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Endrin	ND	QFL, D10	9.3	1.3	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Endrin aldehyde	ND	QFL, D10	9.3	2.4	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
gamma-BHC (Lindane)	ND	QFL, D10	9.3	1.6	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Heptachlor	ND	QFL, D10	9.3	1.5	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Heptachlor epoxide	ND	QFL, D10	9.3	2.4	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Methoxychlor	ND	QFL, D10	9.3	1.3	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Toxaphene	ND	QFL, D10	93	54	ug/kg dry	5.00	09/02/10 00:49	LMW	10H1967	8081A
Decachlorobiphenyl	*106 %*	*QFL, D10*	*Surr Limits: (42-146%)*				*09/02/10 00:49*	*LMW*	*10H1967*	*8081A*
Tetrachloro-m-xylene	*81 %*	*QFL, D10*	*Surr Limits: (37-136%)*				*09/02/10 00:49*	*LMW*	*10H1967*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU,C4	19	3.7	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1221	ND	QSU	19	3.7	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1232	ND	QSU	19	3.7	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1242	ND	QSU	19	4.1	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1248	ND	QSU	19	3.7	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1254	ND	QSU	19	4.0	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Aroclor 1260	ND	QSU	19	8.8	ug/kg dry	1.00	08/30/10 21:20	JxM	10H1973	8082
Decachlorobiphenyl	*124 %*	*QSU*	*Surr Limits: (34-148%)*				*08/30/10 21:20*	*JxM*	*10H1973*	*8082*
Tetrachloro-m-xylene	*71 %*	*QSU*	*Surr Limits: (35-134%)*				*08/30/10 21:20*	*JxM*	*10H1973*	*8082*

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-15 (SS-1 - Solid) - cont.						**Sampled: 08/20/10 17:00**		**Recvd: 08/23/10 14:15**		
Herbicides										
2,4,5-T [2C]	ND		19	5.8	ug/kg dry	1.00	08/29/10 18:13	MAN	10H1894	8151A
2,4-D [2C]	ND		19	12	ug/kg dry	1.00	08/29/10 18:13	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		19	6.6	ug/kg dry	1.00	08/29/10 18:13	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*57 %*		*Surr Limits: (15-120%)*				*08/29/10 18:13*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**9390**		11.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Antimony	ND		16.7	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Arsenic	**18.5**		2.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Barium	**82.1**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Beryllium	**0.406**		0.222	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Cadmium	ND		0.222	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Calcium	**5520**		55.6	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Chromium	**9.59**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Cobalt	**6.61**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Copper	**53.1**		1.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Iron	**17800**	B1	11.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Lead	**69.0**		1.1	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Magnesium	**2550**		22.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Manganese	**546**		0.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Nickel	**13.5**		5.56	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Potassium	**692**		33.4	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Silver	ND		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Sodium	ND		156	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Thallium	ND		6.7	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Vanadium	**16.2**		0.556	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Zinc	**87.1**		2.2	NR	mg/kg dry	1.00	08/29/10 06:33	DAN	10H1801	6010B
Mercury	**0.571**		0.0227	NR	mg/kg dry	1.00	08/24/10 17:59	MXM	10H1669	7471A
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/24/10 14:15	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-16 (SB-1 (20-24) - Solid) — **Sampled: 08/20/10 15:00** — **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1	110	29	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	17	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	110	22	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	53	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	110	33	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	110	36	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	110	40	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	110	53	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.0	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	110	27	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	110	43	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	110	17	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	110	32	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	110	19	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	110	15	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	530	310	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
2-Hexanone	ND	W1	530	220	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	110	36	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	530	34	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Acetone	ND	W1	530	430	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Benzene	ND	W1	110	5.1	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	110	21	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Bromoform	ND	W1	110	53	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Bromomethane	ND	W1	110	23	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Carbon disulfide	ND	W1	110	48	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	110	27	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Chlorobenzene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	110	51	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Chloroethane	ND	W1	110	22	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Chloroform	ND	W1	110	72	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Chloromethane	ND	W1	110	25	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Cyclohexane	ND	W1	110	23	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	110	46	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Ethylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	110	16	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Methyl Acetate	ND	W1	110	50	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	110	40	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Methylcyclohexane	ND	W1	110	49	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Methylene Chloride	ND	W1	110	21	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
o-Xylene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-16 (SB-1 (20-24) - Solid) - cont. **Sampled: 08/20/10 15:00** **Recvd: 08/23/10 14:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	110	39	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Styrene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
tert-Butylbenzene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Toluene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	110	5.1	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Trichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	110	49	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Vinyl chloride	ND	W1	110	35	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*103 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 04:59*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*88 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 04:59*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*92 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 04:59*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Hex-1-enylbenzene (000828-15-9)	**2000**		Ret Time: 11.83		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Naphthalene, decahydro-2-methyl- (002958-76-1)	**2200**		Ret Time: 9.853		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
trans, cis-3-Ethylbicyclo[4.4.0]decane (066660-43-3)	**3300**		Ret Time: 10.905		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown01 (none)	**2400**		Ret Time: 10.492		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown02 (none)	**2600**		Ret Time: 10.991		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown03 (none)	**2100**		Ret Time: 11.216		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown04 (none)	**2300**		Ret Time: 11.477		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown05 (none)	**2500**		Ret Time: 11.648		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown06 (none)	**2000**		Ret Time: 11.714		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Unknown07 (none)	**2200**		Ret Time: 11.769		ug/kg dry	1.00	08/31/10 04:59	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	40	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4-Dichlorophenol	ND		180	9.6	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4-Dinitrophenol	ND		360	64	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND		180	45	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Chlorophenol	ND		180	9.3	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Nitroaniline	ND		360	58	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-16 (SB-1 (20-24) - Solid) - cont. **Sampled: 08/20/10 15:00** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND		360	63	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND		180	58	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND		180	7.5	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Chloroaniline	ND		180	54	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Nitroaniline	ND		360	20	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
4-Nitrophenol	ND		360	44	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Acetophenone	ND		180	9.4	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Anthracene	ND		180	4.7	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Atrazine	ND		180	8.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzo(a)pyrene	ND		180	4.4	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	**240**		180	59	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Butyl benzyl phthalate	ND		180	49	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Caprolactam	ND		180	79	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Dimethyl phthalate	ND		180	4.8	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Di-n-butyl phthalate	ND		180	63	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Di-n-octyl phthalate	ND		180	4.3	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Fluorene	ND		180	4.2	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Hexachlorobenzene	ND		180	9.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Hexachlorobutadiene	ND		180	9.3	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Isophorone	ND		180	9.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Nitrobenzene	ND		180	8.1	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-16 (SB-1 (20-24) - Solid) - cont.						**Sampled: 08/20/10 15:00**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND		180	10	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
2,4,6-Tribromophenol	*87 %*		*Surr Limits: (39-146%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*74 %*		*Surr Limits: (37-120%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*54 %*		*Surr Limits: (18-120%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*64 %*		*Surr Limits: (34-132%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*59 %*		*Surr Limits: (11-120%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*74 %*		*Surr Limits: (58-147%)*				*08/29/10 21:52*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**780**		Ret Time: 7.842		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown02 (none)	**910**		Ret Time: 7.965		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown03 (none)	**1100**		Ret Time: 8.312		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown04 (none)	**1000**		Ret Time: 8.339		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown05 (none)	**1000**		Ret Time: 8.371		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown06 (none)	**740**		Ret Time: 8.595		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown07 (none)	**800**		Ret Time: 8.633		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown08 (none)	**1600**		Ret Time: 8.793		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown09 (none)	**700**		Ret Time: 8.814		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown10 (none)	**650**		Ret Time: 9.007		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown11 (none)	**940**		Ret Time: 9.279		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown12 (none)	**750**		Ret Time: 9.359		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown13 (none)	**790**		Ret Time: 9.519		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown14 (none)	**780**		Ret Time: 9.578		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown15 (none)	**920**		Ret Time: 9.616		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown16 (none)	**770**		Ret Time: 9.685		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown17 (none)	**820**		Ret Time: 10.123		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown18 (none)	**730**		Ret Time: 10.818		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown19 (none)	**950**		Ret Time: 11.069		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
Unknown20 (none)	**860**		Ret Time: 13.622		ug/kg dry	1.00	08/29/10 21:52	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/24/10 14:17	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-17 (SB-2 (16-20) - Solid) **Sampled: 08/20/10 15:45** **Recvd: 08/23/10 14:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	17	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,1,2-Trichloroethane	ND	W1	110	22	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	53	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,1-Dichloroethane	ND	W1	110	33	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,1-Dichloroethene	ND	W1	110	36	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2,4-Trichlorobenzene	ND	W1	110	40	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2,4-Trimethylbenzene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dibromo-3-chloropropane	ND	W1	110	53	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.0	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dichlorobenzene	ND	W1	110	27	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dichloroethane	ND	W1	110	43	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dichloropropane	ND	W1	110	17	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,3,5-Trimethylbenzene	ND	W1	110	32	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,3-Dichlorobenzene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,3-Dichloropropane	ND	W1	110	19	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,4-Dichlorobenzene	ND	W1	110	15	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
2-Butanone (MEK)	ND	W1	530	310	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
2-Hexanone	ND	W1	530	220	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
4-Isopropyltoluene	ND	W1	110	35	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	530	34	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Acetone	ND	W1	530	430	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Benzene	ND	W1	110	5.1	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Bromodichloromethane	ND	W1	110	21	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Bromoform	ND	W1	110	53	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Bromomethane	ND	W1	110	23	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Carbon disulfide	ND	W1	110	48	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Carbon Tetrachloride	ND	W1	110	27	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Chlorobenzene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Chlorodibromomethane	ND	W1	110	51	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Chloroethane	ND	W1	110	22	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Chloroform	ND	W1	110	72	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Chloromethane	ND	W1	110	25	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
cis-1,2-Dichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
cis-1,3-Dichloropropene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Cyclohexane	ND	W1	110	23	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Dichlorodifluoromethane	ND	W1	110	46	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Ethylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Isopropylbenzene	ND	W1	110	16	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Methyl Acetate	ND	W1	110	50	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Methyl tert-Butyl Ether	ND	W1	110	40	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Methylcyclohexane	**810**	W1	110	49	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Methylene Chloride	ND	W1	110	21	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
n-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
n-Propylbenzene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
o-Xylene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-17 (SB-2 (16-20) - Solid) - cont.						**Sampled: 08/20/10 15:45**		**Recvd: 08/23/10 14:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**88**	W1,J	110	39	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Styrene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Tetrachloroethene	ND	W1	110	14	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Toluene	ND	W1	110	28	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
trans-1,2-Dichloroethene	ND	W1	110	25	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
trans-1,3-Dichloropropene	ND	W1	110	5.1	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Trichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Trichlorofluoromethane	ND	W1	110	49	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Vinyl chloride	ND	W1	110	35	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
1,2-Dichloroethane-d4	*102 %*	*W1*	*Surr Limits: (53-146%)*				*08/31/10 05:24*	*NMD*	*10H2166*	*8260B*
4-Bromofluorobenzene	*66 %*	*W1*	*Surr Limits: (49-148%)*				*08/31/10 05:24*	*NMD*	*10H2166*	*8260B*
Toluene-d8	*72 %*	*W1*	*Surr Limits: (50-149%)*				*08/31/10 05:24*	*NMD*	*10H2166*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**12000**		Ret Time: 10.4		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Benzene, 1,4-diethyl-2-methyl- (01) (013632-94-5)	**9500**		Ret Time: 10.704		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Benzene, 1-methyl-4-(1-methylpropyl)- (001595-16-0)	**17000**		Ret Time: 10.479		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**9400**		Ret Time: 6.002		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**10000**		Ret Time: 8.405		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**9300**		Ret Time: 9.33		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Unknown01 (none)	**11000**		Ret Time: 7.614		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Unknown02 (none)	**9800**		Ret Time: 7.985		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Unknown03 (none)	**10000**		Ret Time: 10.802		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Unknown04 (none)	**10000**		Ret Time: 11.368		ug/kg dry	1.00	08/31/10 05:24	NMD	10H2166	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	1800	380	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4,6-Trichlorophenol	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4-Dichlorophenol	ND	D02	1800	92	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4-Dimethylphenol	ND	D02	1800	470	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4-Dinitrophenol	ND	D02	3400	610	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4-Dinitrotoluene	ND	D02	1800	270	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,6-Dinitrotoluene	ND	D02	1800	430	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Chloronaphthalene	ND	D02	1800	120	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Chlorophenol	ND	D02	1800	89	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Methylnaphthalene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Methylphenol	ND	D02	1800	54	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Nitroaniline	ND	D02	3400	560	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2-Nitrophenol	ND	D02	1800	80	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C

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Received: 08/23/10
Reported: 09/13/10 10:25

Analytical Report

Sample ID: RTH1210-17 (SB-2 (16-20) - Solid) - cont. **Sampled: 08/20/10 15:45** **Recvd: 08/23/10 14:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3,3'-Dichlorobenzidine	ND	D02	1800	1500	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
3-Nitroaniline	ND	D02	3400	400	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4,6-Dinitro-2-methylphenol	ND	D02	3400	610	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Bromophenyl phenyl ether	ND	D02	1800	560	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Chloro-3-methylphenol	ND	D02	1800	72	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Chloroaniline	ND	D02	1800	510	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Chlorophenyl phenyl ether	ND	D02	1800	37	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Methylphenol	ND	D02	1800	98	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Nitroaniline	ND	D02	3400	200	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
4-Nitrophenol	ND	D02	3400	420	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Acenaphthene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Acenaphthylene	ND	D02	1800	14	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Acetophenone	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Anthracene	ND	D02	1800	45	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Atrazine	ND	D02	1800	78	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzaldehyde	ND	D02	1800	190	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzo(a)anthracene	ND	D02	1800	30	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzo(a)pyrene	ND	D02	1800	42	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzo(b)fluoranthene	ND	D02	1800	34	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzo(ghi)perylene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Benzo(k)fluoranthene	ND	D02	1800	19	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Biphenyl	ND	D02	1800	110	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Bis(2-chloroethoxy)methane	ND	D02	1800	95	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Bis(2-chloroethyl)ether	ND	D02	1800	150	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	1800	180	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	1800	560	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Butyl benzyl phthalate	ND	D02	1800	470	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Caprolactam	ND	D02	1800	760	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Carbazole	ND	D02	1800	20	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Chrysene	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Dibenzo(a,h)anthracene	ND	D02	1800	21	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Dibenzofuran	ND	D02	1800	18	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Diethyl phthalate	ND	D02	1800	53	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Dimethyl phthalate	ND	D02	1800	46	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Di-n-butyl phthalate	ND	D02	1800	610	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Di-n-octyl phthalate	ND	D02	1800	41	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Fluoranthene	ND	D02	1800	25	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Fluorene	ND	D02	1800	40	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Hexachlorobenzene	ND	D02	1800	87	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Hexachlorobutadiene	ND	D02	1800	90	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Hexachlorocyclopentadiene	ND	D02	1800	530	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Hexachloroethane	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	1800	48	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Isophorone	ND	D02	1800	88	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Naphthalene	ND	D02	1800	29	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1210-17 (SB-2 (16-20) - Solid) - cont.						**Sampled: 08/20/10 15:45**		**Recvd: 08/23/10 14:15**		
Semivolatile Organics by GC/MS - cont.										
Nitrobenzene	ND	D02	1800	78	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
N-Nitrosodi-n-propylamine	ND	D02	1800	140	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
N-Nitrosodiphenylamine	ND	D02	1800	96	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Pentachlorophenol	ND	D02	3400	600	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Phenanthrene	**480**	D02,J	1800	37	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Phenol	ND	D02	1800	180	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Pyrene	ND	D02	1800	11	ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
2,4,6-Tribromophenol	*97 %*	*D02*	*Surr Limits: (39-146%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
2-Fluorobiphenyl	*88 %*	*D02*	*Surr Limits: (37-120%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
2-Fluorophenol	*69 %*	*D02*	*Surr Limits: (18-120%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
Nitrobenzene-d5	*84 %*	*D02*	*Surr Limits: (34-132%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
Phenol-d5	*74 %*	*D02*	*Surr Limits: (11-120%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
p-Terphenyl-d14	*86 %*	*D02*	*Surr Limits: (58-147%)*				*08/29/10 22:16*	*MAF*	*10H1812*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2,6,7-trimethyl- (062108-25-2)	**15000**		Ret Time: 8.317		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown01 (none)	**5600**		Ret Time: 7.842		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown02 (none)	**5200**		Ret Time: 8.787		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown03 (none)	**3700**		Ret Time: 8.921		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown04 (none)	**4700**		Ret Time: 9.007		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown05 (none)	**8700**		Ret Time: 9.274		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown06 (none)	**4900**		Ret Time: 9.322		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown07 (none)	**6500**		Ret Time: 9.573		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown08 (none)	**3800**		Ret Time: 9.61		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown09 (none)	**8500**		Ret Time: 9.658		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown10 (none)	**15000**		Ret Time: 9.68		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown11 (none)	**4200**		Ret Time: 9.706		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown12 (none)	**5000**		Ret Time: 10.219		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown13 (none)	**6600**		Ret Time: 10.267		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown14 (none)	**5800**		Ret Time: 10.337		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown15 (none)	**4800**		Ret Time: 10.673		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown16 (none)	**14000**		Ret Time: 10.807		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown17 (none)	**25000**		Ret Time: 11.106		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown18 (none)	**13000**		Ret Time: 11.598		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
Unknown19 (none)	**4400**		Ret Time: 11.955		ug/kg dry	10.0	08/29/10 22:16	MAF	10H1812	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/24/10 14:19	JRR	10H1650	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10H1650	RTH1210-01	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-02	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-03	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-04	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-05	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-06	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-07	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-08	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-09	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-10	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-11	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-12	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-13	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-14	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-15	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-16	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Dry Weight	10H1650	RTH1210-17	10.00	g	10.00	g	08/24/10 10:19	JRR	Dry Weight
Herbicides									
8151A	10H1894	RTH1210-12	30.03	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
8151A	10H1894	RTH1210-13	30.16	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
8151A	10H1894	RTH1210-15	30.92	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
8151A	10H1894	RTH1210-14	30.98	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
Organochlorine Pesticides by EPA Method 8081A									
8081A	10H1967	RTH1210-14	30.34	g	10.00	mL	08/30/10 09:00	CXM	3550B GC
8081A	10H1967	RTH1210-15	30.43	g	10.00	mL	08/30/10 09:00	CXM	3550B GC
8081A	10H1967	RTH1210-12	30.59	g	10.00	mL	08/30/10 09:00	CXM	3550B GC
8081A	10H1967	RTH1210-13	30.94	g	10.00	mL	08/30/10 09:00	CXM	3550B GC
Polychlorinated Biphenyls by EPA Method 8082									
8082	10H1973	RTH1210-15	30.13	g	10.00	mL	08/27/10 17:14	LTT	3550B GC
8082	10H1973	RTH1210-12	30.16	g	10.00	mL	08/27/10 17:14	LTT	3550B GC
8082	10H1973	RTH1210-13	30.19	g	10.00	mL	08/27/10 17:14	LTT	3550B GC
8082	10H1973	RTH1210-14	30.34	g	10.00	mL	08/27/10 17:14	LTT	3550B GC
Semivolatile Organics by GC/MS									
8270C	10H1812	RTH1210-14	30.05	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-16	30.05	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-13	30.06	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-12	30.10	g	1.00	mL	08/26/10 09:00	CXM	3550B MB

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8270C	10H1812	RTH1210-05	30.12	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-04	30.13	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-10	30.24	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-01	30.28	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-06	30.29	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-07	30.29	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-11	30.32	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-02	30.33	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-09	30.33	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-15	30.36	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-08	30.38	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-17	30.41	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-03	30.73	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
Semivolatile Organics TICs by GC/MS									
8270C	10H1812	RTH1210-14	30.05	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-16	30.05	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-13	30.06	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-12	30.10	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-05	30.12	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-04	30.13	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-10	30.24	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-01	30.28	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-06	30.29	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-07	30.29	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-11	30.32	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-02	30.33	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-09	30.33	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-15	30.36	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-08	30.38	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-17	30.41	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
8270C	10H1812	RTH1210-03	30.73	g	1.00	mL	08/26/10 09:00	CXM	3550B MB
Tentatively Identified Compounds by EPA 8260B									
8260B	10H2166	RTH1210-17	5.00	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-11	5.05	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-01	5.06	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-01RE1	5.06	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-06	5.11	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8260B	10H2166	RTH1210-03	5.12	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-10	5.13	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-16	5.13	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-05	5.14	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-04	5.15	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-08	5.15	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-02	5.17	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-07	5.20	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-09	5.20	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H1956	RTH1210-15	5.00	g	5.00	mL	08/27/10 13:20	PJQ	5030B MS
8260B	10H1956	RTH1210-14	5.04	g	5.00	mL	08/27/10 13:20	PJQ	5030B MS
8260B	10H2053	RTH1210-13	5.03	g	5.00	mL	08/28/10 12:17	PJQ	5030B MS
8260B	10H2053	RTH1210-12	5.05	g	5.00	mL	08/28/10 12:17	PJQ	5030B MS
Total Metals by SW 846 Series Methods									
6010B	10H1801	RTH1210-14	0.48	g	50.00	mL	08/26/10 16:00	JRK	3050B
6010B	10H1801	RTH1210-12	0.48	g	50.00	mL	08/26/10 16:00	JRK	3050B
6010B	10H1801	RTH1210-13	0.48	g	50.00	mL	08/26/10 16:00	JRK	3050B
6010B	10H1801	RTH1210-15	0.51	g	50.00	mL	08/26/10 16:00	JRK	3050B
7471A	10H1669	RTH1210-14	0.58	g	50.00	mL	08/24/10 16:30	MXM	7471A_
7471A	10H1669	RTH1210-12	0.59	g	50.00	mL	08/24/10 16:30	MXM	7471A_
7471A	10H1669	RTH1210-13	0.59	g	50.00	mL	08/24/10 16:30	MXM	7471A_
7471A	10H1669	RTH1210-15	0.60	g	50.00	mL	08/24/10 16:30	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10H2166	RTH1210-17	5.00	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-11	5.05	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-01	5.06	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-01RE1	5.06	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-06	5.11	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-03	5.12	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-10	5.13	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-16	5.13	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-05	5.14	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-04	5.15	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-08	5.15	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-02	5.17	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-07	5.20	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep
8260B	10H2166	RTH1210-09	5.20	g	500.00	mL	08/30/10 18:49	NMD	Methanol Prep

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8260B	10H1956	RTH1210-15	5.00	g	5.00	mL	08/27/10 13:20	PJQ	5030B MS
8260B	10H1956	RTH1210-14	5.04	g	5.00	mL	08/27/10 13:20	PJQ	5030B MS
8260B	10H2053	RTH1210-13	5.03	g	5.00	mL	08/28/10 12:17	PJQ	5030B MS
8260B	10H2053	RTH1210-12	5.05	g	5.00	mL	08/28/10 12:17	PJQ	5030B MS

Benchmark Environmental & Engineering Science
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Work Order: RTH1210

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/27/10 (Lab Number:10H1956-BLK1, Batch: 10H1956)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/27/10 (Lab Number:10H1956-BLK1, Batch: 10H1956)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*114*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*110*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*119*	*71-125*			
LCS Analyzed: 08/27/10 (Lab Number:10H1956-BS1, Batch: 10H1956)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	53.5	107	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	53.4	107	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	46.9	94	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/27/10 (Lab Number:10H1956-BS1, Batch: 10H1956)											
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	48.2	96	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	53.0	106	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	53.1	106	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	52.0	104	76-124			
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	53.0	106	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	51.9	104	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	51.2	102	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	105	105	70-130			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	51.2	102	70-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/27/10 (Lab Number:10H1956-BS1, Batch: 10H1956)											
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	52.5	105	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	51.5	103	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	53.4	107	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	53.0	106	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	157	104	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*116*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*112*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*117*	*71-125*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	2.6					J
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*99*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*103*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*110*	*71-125*			
LCS Analyzed: 08/28/10 (Lab Number:10H2053-BS1, Batch: 10H2053)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	46.0	92	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	46.1	92	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	47.1	94	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	46.7	93	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	43.8	88	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	46.0	92	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.9	98	76-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/28/10 (Lab Number:10H2053-BS1, Batch: 10H2053)											
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	45.7	91	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	49.3	99	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.2	84	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	100	100	70-130			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	48.8	98	70-130			
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	50.3	101	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	49.6	99	74-128			B
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	46.1	92	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.3	93	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	149	99	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*98*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*107*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*113*	*71-125*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/30/10 (Lab Number:10H2166-BLK1, Batch: 10H2166)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/30/10 (Lab Number:10H2166-BLK1, Batch: 10H2166)											
1,1,1-Trichloroethane			98	27	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			98	16	ug/kg wet	ND					
1,1,2-Trichloroethane			98	21	ug/kg wet	ND					
1,1,2-Trichlorotrifluoroethane			98	49	ug/kg wet	ND					
1,1-Dichloroethane			98	30	ug/kg wet	ND					
1,1-Dichloroethene			98	34	ug/kg wet	ND					
1,2,4-Trichlorobenzene			98	37	ug/kg wet	ND					
1,2,4-Trimethylbenzene			98	27	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			98	49	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			98	3.7	ug/kg wet	ND					
1,2-Dichlorobenzene			98	25	ug/kg wet	ND					
1,2-Dichloroethane			98	40	ug/kg wet	ND					
1,2-Dichloropropane			98	16	ug/kg wet	ND					
1,3,5-Trimethylbenzene			98	30	ug/kg wet	ND					
1,3-Dichlorobenzene			98	26	ug/kg wet	ND					
1,3-Dichloropropane			98	18	ug/kg wet	ND					
1,4-Dichlorobenzene			98	14	ug/kg wet	ND					
2-Butanone (MEK)			490	290	ug/kg wet	ND					
2-Hexanone			490	200	ug/kg wet	ND					
4-Isopropyltoluene			98	33	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			490	31	ug/kg wet	ND					
Acetone			490	400	ug/kg wet	ND					
Benzene			98	4.7	ug/kg wet	ND					
Bromodichloromethane			98	20	ug/kg wet	ND					
Bromoform			98	49	ug/kg wet	ND					
Bromomethane			98	22	ug/kg wet	ND					
Carbon disulfide			98	45	ug/kg wet	ND					
Carbon Tetrachloride			98	25	ug/kg wet	ND					
Chlorobenzene			98	13	ug/kg wet	ND					
Chlorodibromomethane			98	47	ug/kg wet	ND					
Chloroethane			98	20	ug/kg wet	ND					
Chloroform			98	67	ug/kg wet	ND					
Chloromethane			98	23	ug/kg wet	ND					
cis-1,2-Dichloroethene			98	27	ug/kg wet	ND					
cis-1,3-Dichloropropene			98	23	ug/kg wet	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/30/10 (Lab Number:10H2166-BLK1, Batch: 10H2166)											
Cyclohexane			98	22	ug/kg wet	ND					
Dichlorodifluoromethane			98	43	ug/kg wet	ND					
Ethylbenzene			98	28	ug/kg wet	ND					
Isopropylbenzene			98	15	ug/kg wet	ND					
Methyl Acetate			98	47	ug/kg wet	ND					
Methyl tert-Butyl Ether			98	37	ug/kg wet	ND					
Methylcyclohexane			98	46	ug/kg wet	ND					
Methylene Chloride			98	19	ug/kg wet	ND					
m-Xylene & p-Xylene			200	54	ug/kg wet	ND					
n-Butylbenzene			98	29	ug/kg wet	ND					
n-Propylbenzene			98	26	ug/kg wet	ND					
o-Xylene			98	13	ug/kg wet	ND					
sec-Butylbenzene			98	36	ug/kg wet	ND					
Styrene			98	24	ug/kg wet	ND					
tert-Butylbenzene			98	27	ug/kg wet	ND					
Tetrachloroethene			98	13	ug/kg wet	ND					
Toluene			98	26	ug/kg wet	ND					
trans-1,2-Dichloroethene			98	23	ug/kg wet	ND					
trans-1,3-Dichloropropene			98	4.7	ug/kg wet	ND					
Trichloroethene			98	27	ug/kg wet	ND					
Trichlorofluoromethane			98	46	ug/kg wet	ND					
Vinyl chloride			98	33	ug/kg wet	ND					
Xylenes, total			200	16	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*105*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*88*	*49-148*			
Surrogate: Toluene-d8					*ug/kg wet*		*94*	*50-149*			
LCS Analyzed: 08/30/10 (Lab Number:10H2166-BS1, Batch: 10H2166)											
1,1-Dichloroethene		2450	98	34	ug/kg wet	1610	66	54-144			
Benzene		2450	98	4.7	ug/kg wet	2650	108	75-131			
Chlorobenzene		2450	98	13	ug/kg wet	2460	100	80-127			
Toluene		2450	98	26	ug/kg wet	2460	100	76-133			
Trichloroethene		2450	98	27	ug/kg wet	2650	108	77-130			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*105*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*90*	*49-148*			

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Volatile Organic Compounds by EPA 8260B

LCS Analyzed: 08/30/10 (Lab Number:10H2166-BS1, Batch: 10H2166)

Surrogate: Toluene-d8					*ug/kg wet*		*94*	*50-149*			

Matrix Spike Analyzed: 08/31/10 (Lab Number:10H2166-MS1, Batch: 10H2166)

QC Source Sample: RTH1210-03

1,1-Dichloroethene	ND	2680	210	74	ug/kg dry	1940	72	50-147			W1
Benzene	ND	2680	210	10	ug/kg dry	2760	103	52-132			W1
Chlorobenzene	ND	2680	210	28	ug/kg dry	2260	84	65-129			W1
Toluene	ND	2680	210	57	ug/kg dry	2230	83	43-133			W1
Trichloroethene	ND	2680	210	60	ug/kg dry	2780	104	79-120			W1
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*100*	*53-146*			*W1*
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*75*	*49-148*			*W1*
Surrogate: Toluene-d8					*ug/kg dry*		*78*	*50-149*			*W1*

Matrix Spike Dup Analyzed: 08/31/10 (Lab Number:10H2166-MSD1, Batch: 10H2166)

QC Source Sample: RTH1210-03

1,1-Dichloroethene	ND	2670	210	74	ug/kg dry	2610	98	50-147	29	20	W1,R2
Benzene	ND	2670	210	10	ug/kg dry	2810	105	52-132	2	20	W1
Chlorobenzene	ND	2670	210	28	ug/kg dry	2380	89	65-129	5	20	W1
Toluene	ND	2670	210	57	ug/kg dry	2330	87	43-133	5	20	W1
Trichloroethene	ND	2670	210	59	ug/kg dry	2870	107	79-120	3	20	W1
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*101*	*53-146*			*W1*
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*78*	*49-148*			*W1*
Surrogate: Toluene-d8					*ug/kg dry*		*81*	*50-149*			*W1*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/27/10 (Lab Number:10H1956-BLK1, Batch: 10H1956)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
Unknown01			NA	NR	ug/kg wet	8.2					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/30/10 (Lab Number:10H2166-BLK1, Batch: 10H2166)											
No TICs found			NA	NR	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/29/10 (Lab Number:10H1812-BLK1, Batch: 10H1812)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.6	ug/kg wet	ND					
2,4-Dimethylphenol			170	44	ug/kg wet	ND					
2,4-Dinitrophenol			320	57	ug/kg wet	ND					
2,4-Dinitrotoluene			170	25	ug/kg wet	ND					
2,6-Dinitrotoluene			170	40	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.4	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.1	ug/kg wet	ND					
2-Nitroaniline			320	53	ug/kg wet	ND					
2-Nitrophenol			170	7.5	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND					
3-Nitroaniline			320	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	52	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.8	ug/kg wet	ND					
4-Chloroaniline			170	48	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND					
4-Methylphenol			170	9.1	ug/kg wet	ND					
4-Nitroaniline			320	18	ug/kg wet	ND					
4-Nitrophenol			320	40	ug/kg wet	ND					
Acenaphthene			170	1.9	ug/kg wet	ND					
Acenaphthylene			170	1.3	ug/kg wet	ND					
Acetophenone			170	8.4	ug/kg wet	ND					
Anthracene			170	4.2	ug/kg wet	ND					
Atrazine			170	7.3	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.8	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/29/10 (Lab Number:10H1812-BLK1, Batch: 10H1812)											
Bis(2-chloroethoxy)methane			170	8.9	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl) phthalate			170	53	ug/kg wet	ND					
Butyl benzyl phthalate			170	44	ug/kg wet	ND					
Caprolactam			170	71	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.6	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	57	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.8	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.2	ug/kg wet	ND					
Hexachlorobutadiene			170	8.4	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.5	ug/kg wet	ND					
Isophorone			170	8.2	ug/kg wet	ND					
Naphthalene			170	2.7	ug/kg wet	ND					
Nitrobenzene			170	7.3	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND					
Pentachlorophenol			320	56	ug/kg wet	ND					
Phenanthrene			170	3.4	ug/kg wet	ND					
Phenol			170	17	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*81*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*68*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*60*	*18-120*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/29/10 (Lab Number:10H1812-BLK1, Batch: 10H1812)											
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*63*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*65*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*79*	*58-147*			
LCS Analyzed: 08/29/10 (Lab Number:10H1812-BS1, Batch: 10H1812)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND		59-126			
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123			
2,4-Dichlorophenol			170	8.6	ug/kg wet	ND		52-120			
2,4-Dimethylphenol			170	45	ug/kg wet	ND		36-120			
2,4-Dinitrophenol			320	58	ug/kg wet	ND		35-146			
2,4-Dinitrotoluene		3250	170	26	ug/kg wet	2430	75	55-125			
2,6-Dinitrotoluene			170	40	ug/kg wet	ND		66-128			
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120			
2-Chlorophenol		4880	170	8.4	ug/kg wet	2540	52	38-120			
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120			
2-Methylphenol			170	5.1	ug/kg wet	ND		48-120			
2-Nitroaniline			320	53	ug/kg wet	ND		61-130			
2-Nitrophenol			170	7.5	ug/kg wet	ND		50-120			
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND		48-126			
3-Nitroaniline			320	38	ug/kg wet	ND		61-127			
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND		49-155			
4-Bromophenyl phenyl ether			170	52	ug/kg wet	ND		58-131			
4-Chloro-3-methylphenol		4880	170	6.8	ug/kg wet	3300	68	49-125			
4-Chloroaniline			170	48	ug/kg wet	ND		49-120			
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND		63-124			
4-Methylphenol			170	9.2	ug/kg wet	ND		50-119			
4-Nitroaniline			320	18	ug/kg wet	ND		63-128			
4-Nitrophenol		4880	320	40	ug/kg wet	3650	75	43-137			
Acenaphthene		3250	170	1.9	ug/kg wet	2150	66	53-120			
Acenaphthylene			170	1.3	ug/kg wet	ND		58-121			
Acetophenone			170	8.5	ug/kg wet	ND		66-120			
Anthracene			170	4.2	ug/kg wet	ND		62-129			
Atrazine			170	7.3	ug/kg wet	ND		73-133			
Benzaldehyde			170	18	ug/kg wet	ND		21-120			
Benzo(a)anthracene			170	2.8	ug/kg wet	ND		65-133			
Benzo(a)pyrene			170	4.0	ug/kg wet	ND		64-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/29/10 (Lab Number:10H1812-BS1, Batch: 10H1812)											
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND		64-135			
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152			
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND		58-138			
Biphenyl			170	10	ug/kg wet	ND		71-120			
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND		61-133			
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND		45-120			
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND		44-120			
Bis(2-ethylhexyl) phthalate			170	53	ug/kg wet	ND		61-133			
Butyl benzyl phthalate			170	44	ug/kg wet	ND		61-129			
Caprolactam			170	71	ug/kg wet	ND		54-133			
Carbazole			170	1.9	ug/kg wet	ND		59-129			
Chrysene			170	1.6	ug/kg wet	ND		64-131			
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND		54-148			
Dibenzofuran			170	1.7	ug/kg wet	ND		56-120			
Diethyl phthalate			170	5.0	ug/kg wet	ND		66-126			
Dimethyl phthalate			170	4.3	ug/kg wet	ND		65-124			
Di-n-butyl phthalate			170	57	ug/kg wet	ND		58-130			
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133			
Fluoranthene			170	2.4	ug/kg wet	29.3		62-131			J
Fluorene			170	3.8	ug/kg wet	ND		63-126			
Hexachlorobenzene			170	8.2	ug/kg wet	ND		60-132			
Hexachlorobutadiene			170	8.4	ug/kg wet	ND		45-120			
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND		31-120			
Hexachloroethane			170	13	ug/kg wet	ND		41-120			
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND		56-149			
Isophorone			170	8.2	ug/kg wet	ND		56-120			
Naphthalene			170	2.7	ug/kg wet	ND		46-120			
Nitrobenzene			170	7.3	ug/kg wet	ND		49-120			
N-Nitrosodi-n-propylamine		3250	170	13	ug/kg wet	1940	60	46-120			
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND		20-119			
Pentachlorophenol		4880	320	57	ug/kg wet	3560	73	33-136			
Phenanthrene			170	3.5	ug/kg wet	ND		60-130			
Phenol		4880	170	17	ug/kg wet	2460	50	36-120			
Pyrene		3250	170	1.1	ug/kg wet	2570	79	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/29/10 (Lab Number:10H1812-BS1, Batch: 10H1812)											
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*79*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*61*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*50*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*55*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*56*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*76*	*58-147*			
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1812-MS1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
2,4,5-Trichlorophenol	ND		3600	780	ug/kg dry	ND		59-126			D02
2,4,6-Trichlorophenol	ND		3600	240	ug/kg dry	ND		59-123			D02
2,4-Dichlorophenol	ND		3600	190	ug/kg dry	ND		52-120			D02
2,4-Dimethylphenol	ND		3600	970	ug/kg dry	ND		36-120			D02
2,4-Dinitrophenol	ND		7000	1300	ug/kg dry	ND		35-146			D02
2,4-Dinitrotoluene	ND	3530	3600	550	ug/kg dry	3660	103	55-125			D02
2,6-Dinitrotoluene	ND		3600	880	ug/kg dry	ND		66-128			D02
2-Chloronaphthalene	ND		3600	240	ug/kg dry	ND		57-120			D02
2-Chlorophenol	ND	5300	3600	180	ug/kg dry	3040	57	38-120			D02,J
2-Methylnaphthalene	ND		3600	43	ug/kg dry	ND		47-120			D02
2-Methylphenol	ND		3600	110	ug/kg dry	ND		48-120			D02
2-Nitroaniline	ND		7000	1100	ug/kg dry	ND		61-130			D02
2-Nitrophenol	ND		3600	160	ug/kg dry	ND		50-120			D02
3,3'-Dichlorobenzidine	ND		3600	3100	ug/kg dry	ND		48-126			D02
3-Nitroaniline	ND		7000	820	ug/kg dry	ND		61-127			D02
4,6-Dinitro-2-methylphenol	ND		7000	1200	ug/kg dry	ND		49-155			D02
4-Bromophenyl phenyl ether	ND		3600	1100	ug/kg dry	ND		58-131			D02
4-Chloro-3-methylphenol	ND	5300	3600	150	ug/kg dry	3560	67	49-125			D02,J
4-Chloroaniline	ND		3600	1100	ug/kg dry	ND		49-120			D02
4-Chlorophenyl phenyl ether	ND		3600	76	ug/kg dry	ND		63-124			D02
4-Methylphenol	ND		3600	200	ug/kg dry	ND		50-119			D02
4-Nitroaniline	ND		7000	400	ug/kg dry	ND		63-128			D02
4-Nitrophenol	ND	5300	7000	870	ug/kg dry	ND		43-137			D02,M4
Acenaphthene	ND	3530	3600	42	ug/kg dry	3560	101	53-120			D02,J
Acenaphthylene	ND		3600	29	ug/kg dry	ND		58-121			D02

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1812-MS1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
Acetophenone	ND		3600	180	ug/kg dry	ND		66-120			D02
Anthracene	ND		3600	92	ug/kg dry	ND		62-129			D02
Atrazine	ND		3600	160	ug/kg dry	ND		73-133			D02
Benzaldehyde	ND		3600	390	ug/kg dry	ND		21-120			D02
Benzo(a)anthracene	ND		3600	62	ug/kg dry	ND		65-133			D02
Benzo(a)pyrene	ND		3600	86	ug/kg dry	ND		64-127			D02
Benzo(b)fluoranthene	ND		3600	69	ug/kg dry	ND		64-135			D02
Benzo(ghi)perylene	ND		3600	43	ug/kg dry	ND		50-152			D02
Benzo(k)fluoranthene	ND		3600	39	ug/kg dry	ND		58-138			D02
Biphenyl	ND		3600	220	ug/kg dry	ND		71-120			D02
Bis(2-chloroethoxy)methane	ND		3600	190	ug/kg dry	ND		61-133			D02
Bis(2-chloroethyl)ether	ND		3600	310	ug/kg dry	ND		45-120			D02
2,2'-Oxybis(1-Chloropropane)	ND		3600	370	ug/kg dry	ND		44-120			D02
Bis(2-ethylhexyl) phthalate	ND		3600	1200	ug/kg dry	ND		61-133			D02
Butyl benzyl phthalate	ND		3600	960	ug/kg dry	ND		61-129			D02
Caprolactam	ND		3600	1500	ug/kg dry	ND		54-133			D02
Carbazole	ND		3600	41	ug/kg dry	ND		59-129			D02
Chrysene	ND		3600	36	ug/kg dry	ND		64-131			D02
Dibenzo(a,h)anthracene	ND		3600	42	ug/kg dry	ND		54-148			D02
Dibenzofuran	ND		3600	37	ug/kg dry	ND		56-120			D02
Diethyl phthalate	ND		3600	110	ug/kg dry	ND		66-126			D02
Dimethyl phthalate	ND		3600	93	ug/kg dry	ND		65-124			D02
Di-n-butyl phthalate	ND		3600	1200	ug/kg dry	ND		58-130			D02
Di-n-octyl phthalate	ND		3600	84	ug/kg dry	ND		62-133			D02
Fluoranthene	ND		3600	52	ug/kg dry	ND		62-131			D02
Fluorene	428		3600	82	ug/kg dry	ND		63-126			D02
Hexachlorobenzene	ND		3600	180	ug/kg dry	ND		60-132			D02
Hexachlorobutadiene	ND		3600	180	ug/kg dry	ND		45-120			D02
Hexachlorocyclopentadiene	ND		3600	1100	ug/kg dry	ND		31-120			D02
Hexachloroethane	ND		3600	280	ug/kg dry	ND		41-120			D02
Indeno(1,2,3-cd)pyrene	ND		3600	99	ug/kg dry	ND		56-149			D02
Isophorone	ND		3600	180	ug/kg dry	ND		56-120			D02
Naphthalene	ND		3600	60	ug/kg dry	ND		46-120			D02
Nitrobenzene	ND		3600	160	ug/kg dry	ND		49-120			D02

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Received: 08/23/10
Reported: 09/13/10 10:25

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1812-MS1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
N-Nitrosodi-n-propylamine	ND	3530	3600	280	ug/kg dry	ND		46-120			D02,M4
N-Nitrosodiphenylamine	ND		3600	200	ug/kg dry	ND		20-119			D02
Pentachlorophenol	ND	5300	7000	1200	ug/kg dry	5420	102	33-136			D02,J
Phenanthrene	744		3600	75	ug/kg dry	721		60-130			D02,J
Phenol	ND	5300	3600	380	ug/kg dry	2810	53	36-120			D02,J
Pyrene	ND	3530	3600	23	ug/kg dry	3290	93	51-133			D02,J
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*76*	*39-146*			*D02*
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*77*	*37-120*			*D02*
Surrogate: 2-Fluorophenol					*ug/kg dry*		*56*	*18-120*			*D02*
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*75*	*34-132*			*D02*
Surrogate: Phenol-d5					*ug/kg dry*		*60*	*11-120*			*D02*
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*78*	*58-147*			*D02*
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1812-MSD1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
2,4,5-Trichlorophenol	ND		3600	780	ug/kg dry	ND		59-126		18	D02
2,4,6-Trichlorophenol	ND		3600	240	ug/kg dry	ND		59-123		19	D02
2,4-Dichlorophenol	ND		3600	190	ug/kg dry	ND		52-120		19	D02
2,4-Dimethylphenol	ND		3600	960	ug/kg dry	ND		36-120		42	D02
2,4-Dinitrophenol	ND		7000	1200	ug/kg dry	ND		35-146		22	D02
2,4-Dinitrotoluene	ND	3520	3600	550	ug/kg dry	3590	102	55-125	2	20	D02,J
2,6-Dinitrotoluene	ND		3600	870	ug/kg dry	ND		66-128		15	D02
2-Chloronaphthalene	ND		3600	240	ug/kg dry	ND		57-120		21	D02
2-Chlorophenol	ND	5290	3600	180	ug/kg dry	4170	79	38-120	31	25	D02,R2
2-Methylnaphthalene	ND		3600	43	ug/kg dry	ND		47-120		21	D02
2-Methylphenol	ND		3600	110	ug/kg dry	ND		48-120		27	D02
2-Nitroaniline	ND		7000	1100	ug/kg dry	ND		61-130		15	D02
2-Nitrophenol	ND		3600	160	ug/kg dry	ND		50-120		18	D02
3,3'-Dichlorobenzidine	ND		3600	3100	ug/kg dry	ND		48-126		25	D02
3-Nitroaniline	ND		7000	820	ug/kg dry	ND		61-127		19	D02
4,6-Dinitro-2-methylphenol	ND		7000	1200	ug/kg dry	ND		49-155		15	D02
4-Bromophenyl phenyl ether	ND		3600	1100	ug/kg dry	ND		58-131		15	D02
4-Chloro-3-methylphenol	ND	5290	3600	150	ug/kg dry	4630	88	49-125	26	27	D02

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1812-MSD1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
4-Chloroaniline	ND		3600	1000	ug/kg dry	ND		49-120		22	D02
4-Chlorophenyl phenyl ether	ND		3600	76	ug/kg dry	ND		63-124		16	D02
4-Methylphenol	ND		3600	200	ug/kg dry	ND		50-119		24	D02
4-Nitroaniline	ND		7000	400	ug/kg dry	ND		63-128		24	D02
4-Nitrophenol	ND	5290	7000	870	ug/kg dry	ND		43-137		25	D02,M4
Acenaphthene	ND	3520	3600	42	ug/kg dry	3690	105	53-120	4	35	D02
Acenaphthylene	ND		3600	29	ug/kg dry	ND		58-121		18	D02
Acetophenone	ND		3600	180	ug/kg dry	ND		66-120		20	D02
Anthracene	ND		3600	91	ug/kg dry	ND		62-129		15	D02
Atrazine	ND		3600	160	ug/kg dry	ND		73-133		20	D02
Benzaldehyde	ND		3600	390	ug/kg dry	ND		21-120		20	D02
Benzo(a)anthracene	ND		3600	62	ug/kg dry	ND		65-133		15	D02
Benzo(a)pyrene	ND		3600	86	ug/kg dry	ND		64-127		15	D02
Benzo(b)fluoranthene	ND		3600	69	ug/kg dry	ND		64-135		15	D02
Benzo(ghi)perylene	ND		3600	43	ug/kg dry	ND		50-152		15	D02
Benzo(k)fluoranthene	ND		3600	39	ug/kg dry	ND		58-138		22	D02
Biphenyl	ND		3600	220	ug/kg dry	ND		71-120		20	D02
Bis(2-chloroethoxy)methane	ND		3600	190	ug/kg dry	ND		61-133		17	D02
Bis(2-chloroethyl)ether	ND		3600	310	ug/kg dry	ND		45-120		21	D02
2,2'-Oxybis(1-Chloropropane)	ND		3600	370	ug/kg dry	ND		44-120		24	D02
Bis(2-ethylhexyl) phthalate	ND		3600	1200	ug/kg dry	ND		61-133		15	D02
Butyl benzyl phthalate	ND		3600	960	ug/kg dry	ND		61-129		16	D02
Caprolactam	ND		3600	1500	ug/kg dry	ND		54-133		20	D02
Carbazole	ND		3600	41	ug/kg dry	ND		59-129		20	D02
Chrysene	ND		3600	36	ug/kg dry	ND		64-131		15	D02
Dibenzo(a,h)anthracene	ND		3600	42	ug/kg dry	ND		54-148		15	D02
Dibenzofuran	ND		3600	37	ug/kg dry	ND		56-120		15	D02
Diethyl phthalate	ND		3600	110	ug/kg dry	ND		66-126		15	D02
Dimethyl phthalate	ND		3600	93	ug/kg dry	ND		65-124		15	D02
Di-n-butyl phthalate	ND		3600	1200	ug/kg dry	ND		58-130		15	D02
Di-n-octyl phthalate	ND		3600	83	ug/kg dry	ND		62-133		16	D02
Fluoranthene	ND		3600	52	ug/kg dry	ND		62-131		15	D02
Fluorene	428		3600	82	ug/kg dry	451		63-126		15	D02,J
Hexachlorobenzene	ND		3600	180	ug/kg dry	ND		60-132		15	D02
Hexachlorobutadiene	ND		3600	180	ug/kg dry	ND		45-120		44	D02

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1812-MSD1, Batch: 10H1812)											
QC Source Sample: RTH1210-01											
Hexachlorocyclopentadiene	ND		3600	1100	ug/kg dry	ND		31-120		49	D02
Hexachloroethane	ND		3600	280	ug/kg dry	ND		41-120		46	D02
Indeno(1,2,3-cd)pyrene	ND		3600	99	ug/kg dry	ND		56-149		15	D02
Isophorone	ND		3600	180	ug/kg dry	ND		56-120		17	D02
Naphthalene	ND		3600	59	ug/kg dry	ND		46-120		29	D02
Nitrobenzene	ND		3600	160	ug/kg dry	ND		49-120		24	D02
N-Nitrosodi-n-propylamine	ND	3520	3600	280	ug/kg dry	ND		46-120		31	D02,M4
N-Nitrosodiphenylamine	ND		3600	200	ug/kg dry	ND		20-119		15	D02
Pentachlorophenol	ND	5290	7000	1200	ug/kg dry	5240	99	33-136	3	35	D02,J
Phenanthrene	744		3600	75	ug/kg dry	775		60-130	7	15	D02,J
Phenol	ND	5290	3600	380	ug/kg dry	3830	73	36-120	31	35	D02
Pyrene	ND	3520	3600	23	ug/kg dry	3520	100	51-133	7	35	D02,J
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*77*	*39-146*			*D02*
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*88*	*37-120*			*D02*
Surrogate: 2-Fluorophenol					*ug/kg dry*		*67*	*18-120*			*D02*
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*102*	*34-132*			*D02*
Surrogate: Phenol-d5					*ug/kg dry*		*79*	*11-120*			*D02*
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*83*	*58-147*			*D02*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 09/01/10 (Lab Number:10H1967-BLK1, Batch: 10H1967)											
4,4'-DDD			1.6	0.32	ug/kg wet	ND					QFL
4,4'-DDD [2C]			1.6	0.32	ug/kg wet	ND					QFL,C8
4,4'-DDE			1.6	0.24	ug/kg wet	0.49					QFL,J
4,4'-DDE [2C]			1.6	0.24	ug/kg wet	0.44					QFL,C8,J
4,4'-DDT			1.6	0.17	ug/kg wet	ND					QFL
4,4'-DDT [2C]			1.6	0.17	ug/kg wet	ND					QFL,C8
Aldrin			1.6	0.40	ug/kg wet	ND					QFL
Aldrin [2C]			1.6	0.40	ug/kg wet	ND					QFL,C8
alpha-BHC			1.6	0.29	ug/kg wet	0.52					QFL,J
alpha-BHC [2C]			1.6	0.29	ug/kg wet	0.46					QFL,C8,J
beta-BHC			1.6	0.18	ug/kg wet	ND					QFL
beta-BHC [2C]			1.6	0.18	ug/kg wet	ND					QFL,C8
Chlordane			16	3.6	ug/kg wet	ND					QFL
Chlordane [2C]			16	3.6	ug/kg wet	ND					QFL
delta-BHC			1.6	0.21	ug/kg wet	ND					QFL
delta-BHC [2C]			1.6	0.21	ug/kg wet	ND					QFL,C8
Dieldrin			1.6	0.39	ug/kg wet	ND					QFL
Dieldrin [2C]			1.6	0.39	ug/kg wet	ND					QFL,C8
Endosulfan I			1.6	0.20	ug/kg wet	ND					QFL
Endosulfan I [2C]			1.6	0.20	ug/kg wet	ND					QFL,C8
Endosulfan II			1.6	0.29	ug/kg wet	ND					QFL
Endosulfan II [2C]			1.6	0.29	ug/kg wet	ND					QFL,C8
Endosulfan sulfate			1.6	0.30	ug/kg wet	ND					QFL
Endosulfan sulfate [2C]			1.6	0.30	ug/kg wet	ND					QFL,C8
Endrin			1.6	0.22	ug/kg wet	ND					QFL
Endrin [2C]			1.6	0.22	ug/kg wet	ND					QFL,C8
Endrin aldehyde			1.6	0.41	ug/kg wet	ND					QFL
Endrin aldehyde [2C]			1.6	0.41	ug/kg wet	ND					QFL,C8
gamma-BHC (Lindane)			1.6	0.28	ug/kg wet	ND					QFL
gamma-BHC (Lindane) [2C]			1.6	0.28	ug/kg wet	ND					QFL,C8
Heptachlor			1.6	0.25	ug/kg wet	ND					QFL
Heptachlor [2C]			1.6	0.25	ug/kg wet	ND					QFL,C8
Heptachlor epoxide			1.6	0.42	ug/kg wet	ND					QFL
Heptachlor epoxide [2C]			1.6	0.42	ug/kg wet	ND					QFL,C8
Methoxychlor			1.6	0.22	ug/kg wet	ND					QFL
Methoxychlor [2C]			1.6	0.22	ug/kg wet	ND					QFL,C8
Toxaphene			16	9.4	ug/kg wet	ND					QFL

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 09/01/10 (Lab Number:10H1967-BLK1, Batch: 10H1967)											
Toxaphene [2C]			16	9.4	ug/kg wet	ND					QFL
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*109*	*42-146*			*QFL*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*125*	*42-146*			*QFL,C8*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*68*	*37-136*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*89*	*37-136*			*QFL,C8*
LCS Analyzed: 09/01/10 (Lab Number:10H1967-BS1, Batch: 10H1967)											
4,4'-DDD		16.2	1.6	0.32	ug/kg wet	11.4	70	55-129			QFL
4,4'-DDD [2C]		16.2	1.6	0.32	ug/kg wet	16.8	104	55-129			QFL,C8
4,4'-DDE		16.2	1.6	0.24	ug/kg wet	11.6	71	59-120			QFL,B
4,4'-DDE [2C]		16.2	1.6	0.24	ug/kg wet	16.6	102	59-120			QFL,C8,B
4,4'-DDT		16.2	1.6	0.17	ug/kg wet	12.3	76	47-145			QFL
4,4'-DDT [2C]		16.2	1.6	0.17	ug/kg wet	15.9	98	47-145			QFL,C8
Aldrin		16.2	1.6	0.40	ug/kg wet	8.08	50	35-120			QFL
Aldrin [2C]		16.2	1.6	0.40	ug/kg wet	11.8	73	35-120			QFL,C8
alpha-BHC		16.2	1.6	0.29	ug/kg wet	10.4	64	49-120			QFL,B
alpha-BHC [2C]		16.2	1.6	0.29	ug/kg wet	14.3	88	49-120			QFL,C8,B
beta-BHC		16.2	1.6	0.18	ug/kg wet	11.4	70	56-120			QFL
beta-BHC [2C]		16.2	1.6	0.18	ug/kg wet	16.0	99	56-120			QFL,C8
delta-BHC		16.2	1.6	0.21	ug/kg wet	10.9	67	45-123			QFL
delta-BHC [2C]		16.2	1.6	0.21	ug/kg wet	16.2	100	45-123			QFL,C8
Dieldrin		16.2	1.6	0.39	ug/kg wet	11.3	69	57-120			QFL
Dieldrin [2C]		16.2	1.6	0.39	ug/kg wet	15.8	97	57-120			QFL,C8
Endosulfan I		16.2	1.6	0.20	ug/kg wet	10.5	65	29-125			QFL
Endosulfan I [2C]		16.2	1.6	0.20	ug/kg wet	14.9	92	29-125			QFL,C8
Endosulfan II		16.2	1.6	0.29	ug/kg wet	10.9	67	39-121			QFL
Endosulfan II [2C]		16.2	1.6	0.29	ug/kg wet	15.1	93	39-121			QFL,C8
Endosulfan sulfate		16.2	1.6	0.30	ug/kg wet	11.3	69	43-120			QFL
Endosulfan sulfate [2C]		16.2	1.6	0.30	ug/kg wet	15.1	93	43-120			QFL,C8
Endrin		16.2	1.6	0.22	ug/kg wet	11.1	68	54-127			QFL
Endrin [2C]		16.2	1.6	0.22	ug/kg wet	16.0	98	54-127			QFL,C8
Endrin aldehyde		16.2	1.6	0.42	ug/kg wet	9.24	57	33-120			QFL
Endrin aldehyde [2C]		16.2	1.6	0.42	ug/kg wet	13.9	85	33-120			QFL,C8
gamma-BHC (Lindane)		16.2	1.6	0.28	ug/kg wet	11.1	69	50-120			QFL
gamma-BHC (Lindane) [2C]		16.2	1.6	0.28	ug/kg wet	15.8	97	50-120			QFL,C8

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
LCS Analyzed: 09/01/10 (Lab Number:10H1967-BS1, Batch: 10H1967)											
Heptachlor		16.2	1.6	0.25	ug/kg wet	11.3	69	47-120			QFL
Heptachlor [2C]		16.2	1.6	0.25	ug/kg wet	16.3	100	47-120			QFL,C8
Heptachlor epoxide		16.2	1.6	0.42	ug/kg wet	11.6	71	44-122			QFL
Heptachlor epoxide [2C]		16.2	1.6	0.42	ug/kg wet	16.5	102	44-122			QFL,C8
Methoxychlor		16.2	1.6	0.22	ug/kg wet	11.9	73	46-152			QFL
Methoxychlor [2C]		16.2	1.6	0.22	ug/kg wet	17.9	110	46-152			QFL,C8
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*86*	*42-146*			*QFL*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*117*	*42-146*			*QFL,C8*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*63*	*37-136*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*83*	*37-136*			*QFL,C8*

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Polychlorinated Biphenyls by EPA Method 8082											
Blank Analyzed: 08/30/10 (Lab Number:10H1973-BLK1, Batch: 10H1973)											
Aroclor 1016			16	3.2	ug/kg wet	ND					QSU
Aroclor 1016 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.4	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.4	ug/kg wet	ND					QSU
Aroclor 1260			16	7.6	ug/kg wet	ND					QSU
Aroclor 1260 [2C]			16	7.6	ug/kg wet	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*111*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*102*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*89*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*94*	*35-134*			*QSU*
LCS Analyzed: 08/30/10 (Lab Number:10H1973-BS1, Batch: 10H1973)											
Aroclor 1016		163	16	3.2	ug/kg wet	163	100	59-154			QSU
Aroclor 1016 [2C]		163	16	3.2	ug/kg wet	145	89	59-154			QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.4	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.4	ug/kg wet	ND					QSU
Aroclor 1260		163	16	7.6	ug/kg wet	164	100	51-179			QSU
Aroclor 1260 [2C]		163	16	7.6	ug/kg wet	146	90	51-179			QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*114*	*34-148*			*QSU*

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
LCS Analyzed: 08/30/10 (Lab Number:10H1973-BS1, Batch: 10H1973)											
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*104*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*92*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*92*	*35-134*			*QSU*

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Blank Analyzed: 08/29/10 (Lab Number:10H1894-BLK1, Batch: 10H1894)											
2,4,5-T			17	5.3	ug/kg wet	ND					
2,4,5-T [2C]			17	5.3	ug/kg wet	ND					
2,4-D			17	10	ug/kg wet	ND					
2,4-D [2C]			17	10	ug/kg wet	ND					
2,4,5-TP (Silvex)			17	6.0	ug/kg wet	ND					
Silvex (2,4,5-TP) [2C]			17	6.0	ug/kg wet	ND					
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*51*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*52*	*15-120*			
LCS Analyzed: 08/29/10 (Lab Number:10H1894-BS1, Batch: 10H1894)											
2,4,5-T		66.6	17	5.3	ug/kg wet	50.4	76	31-130			
2,4,5-T [2C]		66.6	17	5.3	ug/kg wet	42.9	64	31-130			
2,4-D		66.6	17	10	ug/kg wet	47.2	71	42-140			
2,4-D [2C]		66.6	17	10	ug/kg wet	50.4	76	42-140			
2,4,5-TP (Silvex)		66.6	17	6.0	ug/kg wet	49.5	74	20-130			
Silvex (2,4,5-TP) [2C]		66.6	17	6.0	ug/kg wet	53.9	81	20-130			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*54*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*66*	*15-120*			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/24/10 (Lab Number:10H1669-BLK1, Batch: 10H1669)											
Mercury			0.0202	NR	mg/kg wet	ND					
Reference Analyzed: 08/24/10 (Lab Number:10H1669-SRM1, Batch: 10H1669)											
Mercury		3.01	0.182	NR	mg/kg wet	2.88	96	67.6-132.8			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/29/10 (Lab Number:10H1801-BLK1, Batch: 10H1801)											
Aluminum			10.6	NR	mg/kg wet	ND					
Antimony			15.9	NR	mg/kg wet	ND					
Arsenic			2.1	NR	mg/kg wet	ND					
Barium			0.531	NR	mg/kg wet	ND					
Beryllium			0.213	NR	mg/kg wet	ND					
Cadmium			0.213	NR	mg/kg wet	ND					
Calcium			53.1	NR	mg/kg wet	ND					
Chromium			0.531	NR	mg/kg wet	ND					
Cobalt			0.531	NR	mg/kg wet	ND					
Copper			1.1	NR	mg/kg wet	ND					
Iron			10.6	NR	mg/kg wet	ND					
Lead			1.1	NR	mg/kg wet	ND					
Magnesium			21.3	NR	mg/kg wet	ND					
Manganese			0.2	NR	mg/kg wet	ND					B9
Nickel			5.31	NR	mg/kg wet	ND					
Potassium			31.9	NR	mg/kg wet	ND					
Selenium			4.3	NR	mg/kg wet	ND					
Silver			0.531	NR	mg/kg wet	ND					
Sodium			149	NR	mg/kg wet	ND					
Thallium			6.4	NR	mg/kg wet	ND					
Vanadium			0.531	NR	mg/kg wet	ND					
Zinc			2.1	NR	mg/kg wet	ND					
Reference Analyzed: 08/29/10 (Lab Number:10H1801-SRM1, Batch: 10H1801)											
Aluminum		10700	10.0	NR	mg/kg wet	8030	75	46.3-153.3			
Antimony		117	15.0	NR	mg/kg wet	47.0	40	22.6-253			
Arsenic		138	2.0	NR	mg/kg wet	122	88	70.4-129.7			
Barium		269	0.500	NR	mg/kg wet	233	87	74-126.4			
Beryllium		157	0.200	NR	mg/kg wet	137	87	75.2-124.8			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Reference Analyzed: 08/29/10 (Lab Number:10H1801-SRM1, Batch: 10H1801)											
Cadmium		71.0	0.200	NR	mg/kg wet	63.4	89	73.2-126.8			
Calcium		9660	50.0	NR	mg/kg wet	8600	89	75.4-124.2			
Chromium		105	0.500	NR	mg/kg wet	91.2	87	69.3-130.5			
Cobalt		142	0.500	NR	mg/kg wet	125	88	73.9-125.4			
Copper		110	1.0	NR	mg/kg wet	94.7	86	74.4-125.5			
Iron		19100	10.0	NR	mg/kg wet	13400	70	43-156			
Lead		144	1.0	NR	mg/kg wet	126	88	72.9-126.4			
Magnesium		4410	20.0	NR	mg/kg wet	3640	82	70.3-129.7			
Manganese		539	0.2	NR	mg/kg wet	481	89	77.2-122.6			B1
Nickel		130	5.00	NR	mg/kg wet	119	91	72.8-126.9			
Potassium		5000	30.0	NR	mg/kg wet	4130	83	66.4-133.8			
Selenium		200	4.0	NR	mg/kg wet	184	92	68.5-131.5			
Silver		45.1	0.500	NR	mg/kg wet	40.4	90	66.3-133.7			
Sodium		653	140	NR	mg/kg wet	506	77	55.1-144.9			
Thallium		161	6.0	NR	mg/kg wet	149	93	68.3-131.7			
Vanadium		67.0	0.500	NR	mg/kg wet	53.3	80	57.8-142.1			
Zinc		223	2.0	NR	mg/kg wet	188	84	70.4-129.6			

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Benchmark	Project Manager: Mike Lesakowski	Date: 8-20-10	Chain of Custody Number: 166238
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-225-3314	Lab Number:	Page 1 of 2
City: Buffalo State: NY Zip Code: 14218	Site Contact: Brock Greene	Lab Contact: Brian Fisher	Analysis (Attach list if more space is needed)
Project Name and Location (State): 301 Franklin St. Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 0189-001-104			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs	SVOCs	Special Instructions/ Conditions of Receipt
SB-15 (17-20')	8-19-10	0945				X	2						X	X	
SB-23 (15-18')		1045				X	2						X	X	
SB-21 (20-22')		1130				X	2						X	X	
SB-20 (16-20'		1600				X	2						X	X	
SB-13 (6-8')	8-20-10	0800				X	2						X	X	
SB-13 (18-20'		0845				X	2						X	X	
SB-24 (8-12')		0920				X	2						X	X	
SB-24 (20-23')		0940				X	2						X	X	
SB-17 (23-26')		1200				X	2						X	X	
SB-18 (24-28')		1330				X	2						X	X	
SB-16 (20-24')		1630				X	2						X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Cat B

	Date	Time		Date	Time
1. Relinquished By: Brock Greene	8-23-10		1. Received By:	08.23.10	12:15
2. Relinquished By:	08.23.10	14:15	2. Received By:	8.23.10	1415
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: ~~XX~~ VOCs = TCL + STARS VOCs + TICs SVOCs = TCL BVOCs + TICs 5.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL 4124 (1007)

Client: Benchmark

Project Manager: Mike Laskowski

Date: 8-20-10

Chain of Custody Number: 166239

Address: 2558 Hamburg Turnpike

Telephone Number (Area Code)/Fax Number: 716-225-3314

Lab Number:

Page 2 of 2

City: Buffalo State: NY Zip Code: 14218

Site Contact: Brock Greene

Lab Contact: Brian Fisher

Project Name and Location (State): 39 Franklin st. Site

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 0189-001-104

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOCs	SVOCs	TAL Metals	PBCs	Pesticides	Herbicides
SS-4	8-20-10	1045				X	4						X	X	X	X	X	X
SS-3		1645				X	4						X	X	X	X	X	X
SS-2		1680				X	4						X	X	X	X	X	X
SS-1		1700				X	4						X	X	X	X	X	X
SB-1 (20-24')		1500				X	2						X	X				
SB-2 (16-20')		1545				X	2						X	X				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Sample Disposal

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify): Cat B

	Date	Time
1. Relinquished By: Brock Greene	8-23-10	
2. Relinquished By:	8-23-10	14:15
3. Relinquished By:	Date	Time

	Date	Time
1. Received By:	8-23-10	12:15
2. Received By:	8-23-10	14:15
3. Received By:	Date	Time

Comments: VOCs = TCL + STARS VOCs + TICs SVOCs = TCL SVOCs + TICs 5.0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Analytical Report

Work Order: RTJ2205

Project Description

Benchmark-350 Franklin St./Olean, NY site

For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218

DRAFT REPORT

DATA SUBJECT TO CHANGE

Brian.Fischer@testamericainc.com

Wednesday, November 10, 2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

DATA QUALIFIERS AND DEFINITIONS

D03	Dilution required due to excessive foaming
D08	Dilution required due to high concentration of target analyte(s)
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-01 (DRAFT: MW-1 - Water)					**Sampled: 10/28/10 14:04**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
tert-Butylbenzene	**1.4**		1.0	0.81	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Sample ID: RTJ2205-04 (DRAFT: MW-2 - Water)					**Sampled: 10/28/10 14:49**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Cyclohexane	**3.0**	D03,J	5.0	0.90	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methylcyclohexane	**200**	D03	5.0	0.80	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Sample ID: RTJ2205-06 (DRAFT: MW-4 - Water)					**Sampled: 10/28/10 15:35**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Cyclohexane	**3.9**	D03,J	4.0	0.72	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methylcyclohexane	**390**	D03	4.0	0.64	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
sec-Butylbenzene	**3.2**	D03,J	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Sample ID: RTJ2205-07 (DRAFT: MW-5 - Water)					**Sampled: 10/28/10 12:36**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Acetone	**3.2**	J	10	3.0	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
tert-Butylbenzene	**4.3**		1.0	0.81	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Sample ID: RTJ2205-08 (DRAFT: MW-6 - Water)					**Sampled: 10/28/10 14:33**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	**1.1**		1.0	0.79	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methylcyclohexane	**7.0**		1.0	0.16	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
sec-Butylbenzene	**2.2**		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Sample ID: RTJ2205-09 (DRAFT: BLIND - Water)					**Sampled: 10/28/10 08:00**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Acetone	**4.8**	J	10	3.0	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane	**4.2**		1.0	0.18	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methylcyclohexane	**330**	E	1.0	0.16	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
o-Xylene	**0.99**	J	1.0	0.76	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
sec-Butylbenzene	**3.2**		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Xylenes, total	**0.99**	J	2.0	0.66	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Sample ID: RTJ2205-09RE1 (DRAFT: BLIND - Water)					**Sampled: 10/28/10 08:00**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**340**	D08	5.0	0.80	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Sample ID: RTJ2205-11 (DRAFT: TRIP BLANK - Water)					**Sampled: 10/28/10**			**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**0.52**	J	1.0	0.16	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methylene Chloride	**0.76**	J	1.0	0.44	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
DRAFT: MW-1	RTJ2205-01	Water	10/28/10 14:04	10/29/10 18:10	
DRAFT: MW-2	RTJ2205-04	Water	10/28/10 14:49	10/29/10 18:10	
DRAFT: MW-3	RTJ2205-05	Water	10/28/10 11:24	10/29/10 18:10	
DRAFT: MW-4	RTJ2205-06	Water	10/28/10 15:35	10/29/10 18:10	
DRAFT: MW-5	RTJ2205-07	Water	10/28/10 12:36	10/29/10 18:10	
DRAFT: MW-6	RTJ2205-08	Water	10/28/10 14:33	10/29/10 18:10	
DRAFT: BLIND	RTJ2205-09	Water	10/28/10 08:00	10/29/10 18:10	
DRAFT: EQUIP BLANK	RTJ2205-10	Water	10/28/10 08:00	10/29/10 18:10	
DRAFT: TRIP BLANK	RTJ2205-11	Water	10/28/10	10/29/10 18:10	

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-01 (DRAFT: MW-1 - Water)						**Sampled: 10/28/10 14:04**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-01 (DRAFT: MW-1 - Water) - cont.							**Sampled: 10/28/10 14:04**		**Recvd: 10/29/10 18:10**	
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**1.4**		1.0	0.81	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*76 %*		*Surr Limits: (66-137%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*99 %*		*Surr Limits: (73-120%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*85 %*		*Surr Limits: (71-126%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-1,6-dimethyl- (017059-48-2)	**8.0**		Ret Time: 20.631		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, (3-methyl-2-butenyl)- (004489-84-3)	**4.0**		Ret Time: 21.884		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, 2-ethenyl-1,4-dimethyl- (002039-89-6)	**4.5**		Ret Time: 19.938		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, pentamethyl- (000700-12-9)	**3.5**		Ret Time: 22.097		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Butane, 2,3-dimethyl- (000079-29-8)	**13**		Ret Time: 7.113		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (001559-81-5)	**8.9**		Ret Time: 21.264		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2,6-dimethyl- (007524-63-2)	**6.1**		Ret Time: 22.876		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**9.4**		Ret Time: 21.093		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**10**		Ret Time: 22.602		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Unknown01 (none)	**3.8**		Ret Time: 21.73		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-04 (DRAFT: MW-2 - Water)						**Sampled: 10/28/10 14:49**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D03	5.0	4.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	5.0	1.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	5.0	1.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	5.0	1.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	5.0	1.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	5.0	1.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dibromo-3-chloropropane	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	5.0	1.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	5.0	3.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	5.0	4.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
2-Butanone	ND	D03	50	6.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
2-Hexanone	ND	D03	25	6.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
p-Cymene	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	25	10	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Acetone	ND	D03	50	15	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	5.0	1.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromoform	ND	D03	5.0	1.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromomethane	ND	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	5.0	0.97	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	5.0	1.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloroethane	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloroform	ND	D03	5.0	1.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloromethane	ND	D03	5.0	1.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane	**3.0**	D03,J	5.0	0.90	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	5.0	3.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	5.0	2.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	5.0	0.80	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methylcyclohexane	**200**	D03	5.0	0.80	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	5.0	2.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	10	3.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	5.0	3.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
o-Xylene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
sec-Butylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Styrene	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-04 (DRAFT: MW-2 - Water) - cont.						**Sampled: 10/28/10 14:49**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Toluene	ND	D03	5.0	2.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	5.0	4.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Trichloroethene	ND	D03	5.0	2.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	5.0	4.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	5.0	4.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Xylenes, total	ND	D03	10	3.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*91 %*	*D03*	*Surr Limits: (66-137%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*99 %*	*D03*	*Surr Limits: (73-120%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*87 %*	*D03*	*Surr Limits: (71-126%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,5-tetramethyl- (000527-53-7)	**71**	D03	Ret Time: 19.11		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	**68**	D03	Ret Time: 19.865		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 2-ethenyl-1,4-dimethyl- (002039-89-6)	**44**	D03	Ret Time: 19.938		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 4-ethyl-1,2-dimethyl- (000934-80-5)	**67**	D03	Ret Time: 18.49		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**60**	D03	Ret Time: 12.017		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane, ethyl- (001678-91-7)	**26**	D03	Ret Time: 13.294		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**30**	D03	Ret Time: 9.614		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (01) (001192-18-3)	**29**	D03	Ret Time: 9.869		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (02) (001192-18-3)	**40**	D03	Ret Time: 9.936		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**26**	D03	Ret Time: 22.602		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Sample ID: RTJ2205-05 (DRAFT: MW-3 - Water) — **Sampled: 10/28/10 11:24** — **Recvd: 10/29/10 18:10**

DRAFT: Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D03	4.0	3.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	4.0	0.85	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	4.0	0.92	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dibromo-3-chloropropane	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	4.0	0.86	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	4.0	3.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	4.0	3.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	4.0	3.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
2-Butanone	ND	D03	40	5.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
2-Hexanone	ND	D03	20	5.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
p-Cymene	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	20	8.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Acetone	ND	D03	40	12	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Benzene	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromoform	ND	D03	4.0	1.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromomethane	ND	D03	4.0	2.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	4.0	0.78	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	4.0	1.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloroethane	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloroform	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloromethane	ND	D03	4.0	1.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	4.0	1.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Cyclohexane	ND	D03	4.0	0.72	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND	D03	4.0	2.7	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	4.0	2.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	4.0	0.64	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methylcyclohexane	ND	D03	4.0	0.64	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	4.0	1.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	8.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	4.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	4.0	2.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
o-Xylene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
sec-Butylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Styrene	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-05 (DRAFT: MW-3 - Water) - cont.						**Sampled: 10/28/10 11:24**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Toluene	ND	D03	4.0	2.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	4.0	3.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Trichloroethene	ND	D03	4.0	1.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	4.0	3.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	4.0	3.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Xylenes, total	ND	D03	8.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*86 %*	*D03*	*Surr Limits: (66-137%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*99 %*	*D03*	*Surr Limits: (73-120%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*87 %*	*D03*	*Surr Limits: (71-126%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND	D03			ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-06 (DRAFT: MW-4 - Water)						**Sampled: 10/28/10 15:35**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D03	4.0	3.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	4.0	0.85	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	4.0	0.92	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dibromo-3-chloropropane	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	4.0	0.86	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	4.0	3.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	4.0	3.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	4.0	3.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
2-Butanone	ND	D03	40	5.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
2-Hexanone	ND	D03	20	5.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
p-Cymene	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	20	8.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Acetone	ND	D03	40	12	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromoform	ND	D03	4.0	1.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromomethane	ND	D03	4.0	2.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	4.0	0.78	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	4.0	1.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloroethane	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloroform	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloromethane	ND	D03	4.0	1.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	4.0	1.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane	**3.9**	D03,J	4.0	0.72	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND	D03	4.0	2.7	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	4.0	2.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	4.0	0.64	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methylcyclohexane	**390**	D03	4.0	0.64	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	4.0	1.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	8.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	4.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	4.0	2.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
o-Xylene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
sec-Butylbenzene	**3.2**	D03,J	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Styrene	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-06 (DRAFT: MW-4 - Water) - cont.						**Sampled: 10/28/10 15:35**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Toluene	ND	D03	4.0	2.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	4.0	3.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Trichloroethene	ND	D03	4.0	1.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	4.0	3.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	4.0	3.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Xylenes, total	ND	D03	8.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*86 %*	*D03*	*Surr Limits: (66-137%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*98 %*	*D03*	*Surr Limits: (73-120%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*83 %*	*D03*	*Surr Limits: (71-126%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**77**	D03	Ret Time: 19.865		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**78**	D03	Ret Time: 19.11		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene, 2-ethyl-1,4-dimethyl- (001758-88-9)	**78**	D03	Ret Time: 18.49		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**34**	D03	Ret Time: 12.528		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**110**	D03	Ret Time: 12.017		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, ethyl- (001678-91-7)	**49**	D03	Ret Time: 13.294		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**51**	D03	Ret Time: 9.62		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl- (002452-99-5)	**71**	D03	Ret Time: 9.942		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (001192-18-3)	**48**	D03	Ret Time: 9.869		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Indan, 1-methyl- (000767-58-8)	**49**	D03	Ret Time: 19.938		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-07 (DRAFT: MW-5 - Water)						**Sampled: 10/28/10 12:36**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Acetone	**3.2**	J	10	3.0	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-07 (DRAFT: MW-5 - Water) - cont.						**Sampled: 10/28/10 12:36**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**4.3**		1.0	0.81	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*74 %*		*Surr Limits: (66-137%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*80 %*		*Surr Limits: (71-126%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**31**		Ret Time: 19.865		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**38**		Ret Time: 19.104		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene, 4-ethyl-1,2-dimethyl- (000934-80-5)	**32**		Ret Time: 18.49		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,1-dimethyl- (000590-66-9)	**32**		Ret Time: 12.284		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**39**		Ret Time: 12.528		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, trans- (002207-03-6)	**28**		Ret Time: 12.017		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,1,3-trimethyl- (004516-69-2)	**33**		Ret Time: 10.715		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**25**		Ret Time: 9.62		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,3-dimethyl- (002453-00-1)	**30**		Ret Time: 9.869		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Pentane, 2,3-dimethyl- (000565-59-3)	**26**		Ret Time: 9.358		ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-08 (DRAFT: MW-6 - Water)						**Sampled: 10/28/10 14:33**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichlorobenzene	**1.1**		1.0	0.79	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methylcyclohexane	**7.0**		1.0	0.16	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
sec-Butylbenzene	**2.2**		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
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Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-08 (DRAFT: MW-6 - Water) - cont.						**Sampled: 10/28/10 14:33**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*71 %*		*Surr Limits: (66-137%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*82 %*		*Surr Limits: (71-126%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-1,1-dimethyl- (004912-92-9)	**19**		Ret Time: 20.637		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
6-Methyl-4-indanol (020294-32-0)	**12**		Ret Time: 20.363		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**61**		Ret Time: 19.104		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**18**		Ret Time: 12.017		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclopentane, 1,1,3-trimethyl- (004516-69-2)	**8.7**		Ret Time: 10.715		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**9.6**		Ret Time: 9.62		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (001559-81-5)	**16**		Ret Time: 21.264		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**17**		Ret Time: 21.093		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**12**		Ret Time: 22.596		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Unknown01 (none)	**19**		Ret Time: 4.14		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-09 (DRAFT: BLIND - Water)						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Acetone	**4.8**	J	10	3.0	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane	**4.2**		1.0	0.18	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methylcyclohexane	**330**	E	1.0	0.16	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
o-Xylene	**0.99**	J	1.0	0.76	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
sec-Butylbenzene	**3.2**		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-09 (DRAFT: BLIND - Water) - cont.						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Xylenes, total	**0.99**	J	2.0	0.66	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*76 %*		*Surr Limits: (66-137%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*80 %*		*Surr Limits: (71-126%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-4-methyl- (000824-22-6)	**40**		Ret Time: 19.931		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**69**		Ret Time: 19.864		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**69**		Ret Time: 19.104		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1-ethyl-2,3-dimethyl- (000933-98-2)	**75**		Ret Time: 18.49		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**76**		Ret Time: 12.017		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane, ethyl- (001678-91-7)	**33**		Ret Time: 13.294		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**46**		Ret Time: 9.62		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,2-dimethyl-, trans- (000822-50-4)	**58**		Ret Time: 9.942		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,3-dimethyl-, cis- (002532-58-3)	**43**		Ret Time: 9.869		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Indane (000496-11-7)	**30**		Ret Time: 17.924		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-09RE1 (DRAFT: BLIND - Water)						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D08	5.0	4.1	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,1,2,2-Tetrachloroethane	ND	D08	5.0	1.1	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,1,2-Trichloroethane	ND	D08	5.0	1.2	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	5.0	1.5	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,1-Dichloroethane	ND	D08	5.0	1.9	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,1-Dichloroethene	ND	D08	5.0	1.5	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2,4-Trichlorobenzene	ND	D08	5.0	2.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2,4-Trimethylbenzene	ND	D08	5.0	3.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dibromo-3-chloropropane	ND	D08	5.0	2.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dibromoethane	ND	D08	5.0	3.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dichlorobenzene	ND	D08	5.0	4.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dichloroethane	ND	D08	5.0	1.1	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dichloropropane	ND	D08	5.0	3.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,3,5-Trimethylbenzene	ND	D08	5.0	3.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,3-Dichlorobenzene	ND	D08	5.0	3.9	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,4-Dichlorobenzene	ND	D08	5.0	4.2	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
2-Butanone	ND	D08	50	6.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
2-Hexanone	ND	D08	25	6.2	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
p-Cymene	ND	D08	5.0	1.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
4-Methyl-2-pentanone	ND	D08	25	10	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Acetone	ND	D08	50	15	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Benzene	ND	D08	5.0	2.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Bromodichloromethane	ND	D08	5.0	1.9	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Bromoform	ND	D08	5.0	1.3	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Bromomethane	ND	D08	5.0	3.4	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Carbon disulfide	ND	D08	5.0	0.97	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Carbon Tetrachloride	ND	D08	5.0	1.3	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Chlorobenzene	ND	D08	5.0	3.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Dibromochloromethane	ND	D08	5.0	1.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Chloroethane	ND	D08	5.0	1.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Chloroform	ND	D08	5.0	1.7	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Chloromethane	ND	D08	5.0	1.7	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
cis-1,2-Dichloroethene	ND	D08	5.0	4.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
cis-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Cyclohexane	ND	D08	5.0	0.90	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Dichlorodifluoromethane	ND	D08	5.0	3.4	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Ethylbenzene	ND	D08	5.0	3.7	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Isopropylbenzene	ND	D08	5.0	4.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Methyl Acetate	ND	D08	5.0	2.5	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	5.0	0.80	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Methylcyclohexane	**340**	D08	5.0	0.80	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Methylene Chloride	ND	D08	5.0	2.2	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
m-Xylene & p-Xylene	ND	D08	10	3.3	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
n-Butylbenzene	ND	D08	5.0	3.2	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
n-Propylbenzene	ND	D08	5.0	3.4	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
o-Xylene	ND	D08	5.0	3.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
sec-Butylbenzene	ND	D08	5.0	3.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Styrene	ND	D08	5.0	3.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
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Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-09RE1 (DRAFT: BLIND - Water) - cont.						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D08	5.0	4.0	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Tetrachloroethene	ND	D08	5.0	1.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Toluene	ND	D08	5.0	2.6	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
trans-1,2-Dichloroethene	ND	D08	5.0	4.5	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
trans-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Trichloroethene	ND	D08	5.0	2.3	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Trichlorofluoromethane	ND	D08	5.0	4.4	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Vinyl chloride	ND	D08	5.0	4.5	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Xylenes, total	ND	D08	10	3.3	ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
1,2-Dichloroethane-d4	*97 %*	*D08*	*Surr Limits: (66-137%)*				*11/08/10 13:46*	*RJ*	*10K0664*	*8260B*
4-Bromofluorobenzene	*90 %*	*D08*	*Surr Limits: (73-120%)*				*11/08/10 13:46*	*RJ*	*10K0664*	*8260B*
Toluene-d8	*92 %*	*D08*	*Surr Limits: (71-126%)*				*11/08/10 13:46*	*RJ*	*10K0664*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**80**	D08	Ret Time: 12.08		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Benzene, 1-ethyl-2,4-dimethyl- (000874-41-9)	**120**	D08	Ret Time: 12.495		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Benzene, 1-ethyl-4-(1-methylethyl)- (004218-48-8)	**44**	D08	Ret Time: 12.806		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	**84**	D08	Ret Time: 11.733		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**130**	D08	Ret Time: 7.161		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**52**	D08	Ret Time: 5.32		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Cyclopentane, 1,2-dimethyl-, trans- (000822-50-4)	**74**	D08	Ret Time: 5.576		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Cyclopentane, 1,3-dimethyl-, cis- (002532-58-3)	**58**	D08	Ret Time: 5.521		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Indane (000496-11-7)	**43**	D08	Ret Time: 11.331		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B
Unknown01 (none)	**41**	D08	Ret Time: 12.91		ug/L	5.00	11/08/10 13:46	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Sample ID: RTJ2205-10 (DRAFT: EQUIP BLANK - Water) — **Sampled: 10/28/10 08:00** — **Recvd: 10/29/10 18:10**

DRAFT: Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-10 (DRAFT: EQUIP BLANK - Water) - cont.						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloroethane-d4	*94 %*		*Surr Limits: (66-137%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
4-Bromofluorobenzene	*92 %*		*Surr Limits: (73-120%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
Toluene-d8	*91 %*		*Surr Limits: (71-126%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-11 (DRAFT: TRIP BLANK - Water)						**Sampled: 10/28/10**			**Recvd: 10/29/10 18:10**	
DRAFT: Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methylcyclohexane	**0.52**	J	1.0	0.16	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methylene Chloride	**0.76**	J	1.0	0.44	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-11 (DRAFT: TRIP BLANK - Water) - cont.						**Sampled: 10/28/10**			**Recvd: 10/29/10 18:10**	
DRAFT: Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*68 %*		*Surr Limits: (66-137%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (73-120%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*83 %*		*Surr Limits: (71-126%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
DRAFT: Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
DRAFT: Tentatively Identified Compounds by EPA 8260B									
8260B	10K0602	RTJ2205-04	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0602	RTJ2205-05	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0602	RTJ2205-06	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0622	RTJ2205-01	5.00	mL	5.00	mL	11/07/10 11:58	RMJ	5030B MS
8260B	10K0622	RTJ2205-07	5.00	mL	5.00	mL	11/07/10 11:58	RMJ	5030B MS
8260B	10K0622	RTJ2205-08	5.00	mL	5.00	mL	11/07/10 11:58	RMJ	5030B MS
8260B	10K0622	RTJ2205-09	5.00	mL	5.00	mL	11/07/10 11:58	RMJ	5030B MS
8260B	10K0622	RTJ2205-11	5.00	mL	5.00	mL	11/07/10 11:58	RMJ	5030B MS
8260B	10K0664	RTJ2205-09RE1	5.00	mL	5.00	mL	11/08/10 10:04	RMJ	5030B MS
8260B	10K0664	RTJ2205-10	5.00	mL	5.00	mL	11/08/10 10:04	RMJ	5030B MS
DRAFT: Volatile Organic Compounds by EPA 8260B									
8260B	10K0602	RTJ2205-04	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0602	RTJ2205-05	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0602	RTJ2205-06	5.00	mL	5.00	mL	11/06/10 12:16	PJQ	5030B MS
8260B	10K0622	RTJ2205-01	5.00	mL	5.00	mL	11/07/10 11:10	RMJ	5030B MS
8260B	10K0622	RTJ2205-07	5.00	mL	5.00	mL	11/07/10 11:10	RMJ	5030B MS
8260B	10K0622	RTJ2205-08	5.00	mL	5.00	mL	11/07/10 11:10	RMJ	5030B MS
8260B	10K0622	RTJ2205-09	5.00	mL	5.00	mL	11/07/10 11:10	RMJ	5030B MS
8260B	10K0622	RTJ2205-11	5.00	mL	5.00	mL	11/07/10 11:10	RMJ	5030B MS
8260B	10K0664	RTJ2205-09RE1	5.00	mL	5.00	mL	11/08/10 10:04	RMJ	5030B MS
8260B	10K0664	RTJ2205-10	5.00	mL	5.00	mL	11/08/10 10:04	RMJ	5030B MS

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/06/10 (Lab Number:10K0602-BLK1, Batch: 10K0602)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone			10	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND					
Acetone			10	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Dibromochloromethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/06/10 (Lab Number:10K0602-BLK1, Batch: 10K0602)											
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*86*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*95*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*87*	*71-126*			
LCS Analyzed: 11/06/10 (Lab Number:10K0602-BS1, Batch: 10K0602)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	25.1	101	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	24.4	98	65-138			
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	25.2	101	76-121			
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/06/10 (Lab Number:10K0602-BS1, Batch: 10K0602)											
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	24.9	100	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	26.4	106	75-127			
1,2-Dichloropropane			1.0	0.72	ug/L	ND		76-120			
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Hexanone			5.0	1.2	ug/L	ND		65-127			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND		71-125			
Acetone			10	3.0	ug/L	ND		56-142			
Benzene		25.0	1.0	0.41	ug/L	25.0	100	71-124			
Bromodichloromethane			1.0	0.39	ug/L	ND		80-122			
Bromoform			1.0	0.26	ug/L	ND		66-128			
Bromomethane			1.0	0.69	ug/L	ND		36-150			
Carbon disulfide			1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.6	99	72-120			
Dibromochloromethane			1.0	0.32	ug/L	ND		75-125			
Chloroethane			1.0	0.32	ug/L	ND		69-136			
Chloroform			1.0	0.34	ug/L	ND		73-127			
Chloromethane			1.0	0.35	ug/L	ND		49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	24.5	98	74-124			
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	25.1	100	77-123			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	25.8	103	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	ND		57-132			
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	50.0	100	76-122			
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Xylene		25.0	1.0	0.76	ug/L	25.3	101	76-122			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/06/10 (Lab Number:10K0602-BS1, Batch: 10K0602)											
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			1.0	0.73	ug/L	ND		70-130			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	24.6	98	74-122			
Toluene		25.0	1.0	0.51	ug/L	24.3	97	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	25.4	101	73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	24.9	100	74-123			
Trichlorofluoromethane			1.0	0.88	ug/L	ND		62-152			
Vinyl chloride			1.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	75.3	100	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*82*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*98*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*86*	*71-126*			
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/07/10 (Lab Number:10K0622-BLK1, Batch: 10K0622)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone			10	1.3	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/07/10 (Lab Number:10K0622-BLK1, Batch: 10K0622)											
2-Hexanone			5.0	1.2	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND					
Acetone			10	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Dibromochloromethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/07/10 (Lab Number:10K0622-BLK1, Batch: 10K0622)											
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*75*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*98*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*85*	*71-126*			
LCS Analyzed: 11/07/10 (Lab Number:10K0622-BS1, Batch: 10K0622)											
1,1,1-Trichloroethane		25.0	1.0	0.82	ug/L	25.4	102	73-126			
1,1,2,2-Tetrachloroethane		25.0	1.0	0.21	ug/L	24.0	96	70-126			
1,1,2-Trichloroethane		25.0	1.0	0.23	ug/L	24.3	97	76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		25.0	1.0	0.31	ug/L	25.7	103	60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	24.1	96	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	24.8	99	65-138			
1,2,4-Trichlorobenzene		25.0	1.0	0.41	ug/L	25.0	100	70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	24.7	99	76-121			
1,2-Dibromo-3-chloropropane		25.0	1.0	0.39	ug/L	22.3	89	56-134			
1,2-Dibromoethane		25.0	1.0	0.73	ug/L	25.2	101	77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	23.7	95	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	23.5	94	75-127			
1,2-Dichloropropane		25.0	1.0	0.72	ug/L	25.0	100	76-120			
1,3,5-Trimethylbenzene		25.0	1.0	0.77	ug/L	24.6	98	77-121			
1,3-Dichlorobenzene		25.0	1.0	0.78	ug/L	24.0	96	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	23.2	93	75-120			
2-Butanone		125	10	1.3	ug/L	125	100	57-140			
2-Hexanone		125	5.0	1.2	ug/L	129	103	65-127			
p-Cymene		25.0	1.0	0.31	ug/L	24.9	100	73-120			
4-Methyl-2-pentanone		125	5.0	2.1	ug/L	123	99	71-125			
Acetone		125	10	3.0	ug/L	119	95	56-142			
Benzene		25.0	1.0	0.41	ug/L	24.8	99	71-124			
Bromodichloromethane		25.0	1.0	0.39	ug/L	25.9	104	80-122			
Bromoform		25.0	1.0	0.26	ug/L	21.7	87	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	24.0	96	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	25.9	104	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	26.0	104	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.0	96	72-120			

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2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/07/10 (Lab Number:10K0622-BS1, Batch: 10K0622)											
Dibromochloromethane		25.0	1.0	0.32	ug/L	23.0	92	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	23.7	95	69-136			
Chloroform		25.0	1.0	0.34	ug/L	24.2	97	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	21.7	87	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	25.0	100	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	26.6	106	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	26.2	105	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	16.4	66	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	24.4	97	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	24.9	100	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	25.5	102	60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	25.8	103	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	26.4	106	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	24.3	97	57-132			
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	49.4	99	76-122			
n-Butylbenzene		25.0	1.0	0.64	ug/L	25.1	100	71-128			
n-Propylbenzene		25.0	1.0	0.69	ug/L	24.7	99	77-120			
o-Xylene		25.0	1.0	0.76	ug/L	25.2	101	76-122			
sec-Butylbenzene		25.0	1.0	0.75	ug/L	24.7	99	74-127			
Styrene		25.0	1.0	0.73	ug/L	25.5	102	70-130			
tert-Butylbenzene		25.0	1.0	0.81	ug/L	25.3	101	75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	24.8	99	74-122			
Toluene		25.0	1.0	0.51	ug/L	24.1	96	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	25.1	100	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	26.0	104	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	25.3	101	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	23.9	96	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	23.1	93	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	74.6	99	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*74*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*104*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*85*	*71-126*			
Matrix Spike Analyzed: 11/07/10 (Lab Number:10K0622-MS1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
1,1,1-Trichloroethane	ND	25.0	1.0	0.82	ug/L	28.3	113	73-126			

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Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 11/07/10 (Lab Number:10K0622-MS1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
1,1,2,2-Tetrachloroethane	ND	25.0	1.0	0.21	ug/L	24.6	98	70-126			
1,1,2-Trichloroethane	ND	25.0	1.0	0.23	ug/L	24.7	99	76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	25.0	1.0	0.31	ug/L	28.4	113	60-140			
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	25.9	104	71-129			
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	26.5	106	65-138			
1,2,4-Trichlorobenzene	ND	25.0	1.0	0.41	ug/L	26.2	105	70-122			
1,2,4-Trimethylbenzene	ND	25.0	1.0	0.75	ug/L	26.3	105	76-121			
1,2-Dibromo-3-chloropropane	ND	25.0	1.0	0.39	ug/L	23.0	92	56-134			
1,2-Dibromoethane	ND	25.0	1.0	0.73	ug/L	25.9	104	77-120			
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	25.0	100	77-120			
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	24.2	97	75-127			
1,2-Dichloropropane	ND	25.0	1.0	0.72	ug/L	26.0	104	76-120			
1,3,5-Trimethylbenzene	ND	25.0	1.0	0.77	ug/L	26.2	105	77-121			
1,3-Dichlorobenzene	ND	25.0	1.0	0.78	ug/L	25.1	100	77-120			
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	24.2	97	75-120			
2-Butanone	ND	125	10	1.3	ug/L	126	101	57-140			
2-Hexanone	ND	125	5.0	1.2	ug/L	133	107	65-127			
p-Cymene	ND	25.0	1.0	0.31	ug/L	26.6	107	73-120			
4-Methyl-2-pentanone	ND	125	5.0	2.1	ug/L	127	102	71-125			
Acetone	ND	125	10	3.0	ug/L	114	91	56-142			
Benzene	ND	25.0	1.0	0.41	ug/L	27.0	108	71-124			
Bromodichloromethane	ND	25.0	1.0	0.39	ug/L	27.2	109	80-122			
Bromoform	ND	25.0	1.0	0.26	ug/L	21.1	84	66-128			
Bromomethane	ND	25.0	1.0	0.69	ug/L	26.1	104	36-150			
Carbon disulfide	ND	25.0	1.0	0.19	ug/L	28.4	114	59-134			
Carbon Tetrachloride	ND	25.0	1.0	0.27	ug/L	29.0	116	72-134			
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	25.7	103	72-120			
Dibromochloromethane	ND	25.0	1.0	0.32	ug/L	23.4	94	75-125			
Chloroethane	ND	25.0	1.0	0.32	ug/L	25.7	103	69-136			
Chloroform	ND	25.0	1.0	0.34	ug/L	25.9	104	73-127			
Chloromethane	ND	25.0	1.0	0.35	ug/L	23.4	94	49-142			
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	27.1	108	74-124			
cis-1,3-Dichloropropene	ND	25.0	1.0	0.36	ug/L	26.8	107	74-124			
Cyclohexane	ND	25.0	1.0	0.18	ug/L	30.2	121	70-130			
Dichlorodifluoromethane	ND	25.0	1.0	0.68	ug/L	19.6	78	33-157			
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	26.3	105	77-123			

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Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 11/07/10 (Lab Number:10K0622-MS1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
Isopropylbenzene	ND	25.0	1.0	0.79	ug/L	26.8	107	77-122			
Methyl Acetate	ND	25.0	1.0	0.50	ug/L	23.3	93	60-140			
Methyl-t-Butyl Ether (MTBE)	ND	25.0	1.0	0.16	ug/L	26.2	105	64-127			
Methylcyclohexane	ND	25.0	1.0	0.16	ug/L	28.7	115	60-140			
Methylene Chloride	ND	25.0	1.0	0.44	ug/L	25.2	101	57-132			
m-Xylene & p-Xylene	ND	50.0	2.0	0.66	ug/L	52.9	106	76-122			
n-Butylbenzene	ND	25.0	1.0	0.64	ug/L	26.9	108	71-128			
n-Propylbenzene	ND	25.0	1.0	0.69	ug/L	26.0	104	77-120			
o-Xylene	ND	25.0	1.0	0.76	ug/L	27.3	109	76-122			
sec-Butylbenzene	ND	25.0	1.0	0.75	ug/L	26.6	107	74-127			
Styrene	ND	25.0	1.0	0.73	ug/L	27.4	109	70-130			
tert-Butylbenzene	1.45	25.0	1.0	0.81	ug/L	29.0	110	75-123			
Tetrachloroethene	ND	25.0	1.0	0.36	ug/L	26.9	108	74-122			
Toluene	ND	25.0	1.0	0.51	ug/L	26.0	104	70-122			
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	27.6	111	73-127			
trans-1,3-Dichloropropene	ND	25.0	1.0	0.37	ug/L	25.6	102	72-123			
Trichloroethene	ND	25.0	1.0	0.46	ug/L	27.2	109	74-123			
Trichlorofluoromethane	ND	25.0	1.0	0.88	ug/L	27.1	108	62-152			
Vinyl chloride	ND	25.0	1.0	0.90	ug/L	27.3	109	65-133			
Xylenes, total	ND	75.0	2.0	0.66	ug/L	80.2	107	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*74*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*105*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*85*	*71-126*			
Matrix Spike Dup Analyzed: 11/07/10 (Lab Number:10K0622-MSD1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
1,1,1-Trichloroethane	ND	25.0	1.0	0.82	ug/L	26.6	106	73-126	6	15	
1,1,2,2-Tetrachloroethane	ND	25.0	1.0	0.21	ug/L	24.1	96	70-126	2	15	
1,1,2-Trichloroethane	ND	25.0	1.0	0.23	ug/L	24.4	97	76-122	1	15	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	25.0	1.0	0.31	ug/L	28.0	112	60-140	1	20	
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	25.2	101	71-129	3	20	
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	26.9	108	65-138	2	16	
1,2,4-Trichlorobenzene	ND	25.0	1.0	0.41	ug/L	26.6	106	70-122	1	20	
1,2,4-Trimethylbenzene	ND	25.0	1.0	0.75	ug/L	25.6	102	76-121	3	20	

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Received: 10/29/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 11/07/10 (Lab Number:10K0622-MSD1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
1,2-Dibromo-3-chloropropane	ND	25.0	1.0	0.39	ug/L	22.8	91	56-134	0.6	15	
1,2-Dibromoethane	ND	25.0	1.0	0.73	ug/L	25.5	102	77-120	2	15	
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	24.5	98	77-120	2	20	
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	23.3	93	75-127	4	20	
1,2-Dichloropropane	ND	25.0	1.0	0.72	ug/L	25.6	103	76-120	1	20	
1,3,5-Trimethylbenzene	ND	25.0	1.0	0.77	ug/L	25.8	103	77-121	2	20	
1,3-Dichlorobenzene	ND	25.0	1.0	0.78	ug/L	24.9	100	77-120	0.8	20	
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	23.9	96	75-120	1	20	
2-Butanone	ND	125	10	1.3	ug/L	124	99	57-140	1	20	
2-Hexanone	ND	125	5.0	1.2	ug/L	133	106	65-127	0.6	15	
p-Cymene	ND	25.0	1.0	0.31	ug/L	26.2	105	73-120	2	20	
4-Methyl-2-pentanone	ND	125	5.0	2.1	ug/L	125	100	71-125	2	35	
Acetone	ND	125	10	3.0	ug/L	111	89	56-142	3	15	
Benzene	ND	25.0	1.0	0.41	ug/L	26.3	105	71-124	3	13	
Bromodichloromethane	ND	25.0	1.0	0.39	ug/L	26.2	105	80-122	4	15	
Bromoform	ND	25.0	1.0	0.26	ug/L	21.1	84	66-128	0	15	
Bromomethane	ND	25.0	1.0	0.69	ug/L	26.6	107	36-150	2	15	
Carbon disulfide	ND	25.0	1.0	0.19	ug/L	28.8	115	59-134	1	15	
Carbon Tetrachloride	ND	25.0	1.0	0.27	ug/L	27.4	110	72-134	5	15	
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	25.3	101	72-120	1	25	
Dibromochloromethane	ND	25.0	1.0	0.32	ug/L	22.9	92	75-125	2	15	
Chloroethane	ND	25.0	1.0	0.32	ug/L	25.8	103	69-136	0.3	15	
Chloroform	ND	25.0	1.0	0.34	ug/L	24.9	99	73-127	4	20	
Chloromethane	ND	25.0	1.0	0.35	ug/L	23.8	95	49-142	1	15	
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	26.5	106	74-124	2	15	
cis-1,3-Dichloropropene	ND	25.0	1.0	0.36	ug/L	26.0	104	74-124	3	15	
Cyclohexane	ND	25.0	1.0	0.18	ug/L	28.0	112	70-130	8	20	
Dichlorodifluoromethane	ND	25.0	1.0	0.68	ug/L	18.1	73	33-157	8	20	
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	25.8	103	77-123	2	15	
Isopropylbenzene	ND	25.0	1.0	0.79	ug/L	26.2	105	77-122	3	20	
Methyl Acetate	ND	25.0	1.0	0.50	ug/L	23.9	96	60-140	3	20	
Methyl-t-Butyl Ether (MTBE)	ND	25.0	1.0	0.16	ug/L	25.7	103	64-127	2	37	
Methylcyclohexane	ND	25.0	1.0	0.16	ug/L	28.7	115	60-140	0.07	20	
Methylene Chloride	ND	25.0	1.0	0.44	ug/L	25.0	100	57-132	0.7	15	
m-Xylene & p-Xylene	ND	50.0	2.0	0.66	ug/L	52.2	104	76-122	1	16	
n-Butylbenzene	ND	25.0	1.0	0.64	ug/L	26.2	105	71-128	3	15	

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Received: 10/29/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 11/07/10 (Lab Number:10K0622-MSD1, Batch: 10K0622)											
QC Source Sample: RTJ2205-01											
n-Propylbenzene	ND	25.0	1.0	0.69	ug/L	25.3	101	77-120	3	15	
o-Xylene	ND	25.0	1.0	0.76	ug/L	27.0	108	76-122	1	16	
sec-Butylbenzene	ND	25.0	1.0	0.75	ug/L	26.1	104	74-127	2	15	
Styrene	ND	25.0	1.0	0.73	ug/L	26.8	107	70-130	2	20	
tert-Butylbenzene	1.45	25.0	1.0	0.81	ug/L	28.4	108	75-123	2	15	
Tetrachloroethene	ND	25.0	1.0	0.36	ug/L	26.6	107	74-122	0.9	20	
Toluene	ND	25.0	1.0	0.51	ug/L	25.8	103	70-122	0.9	15	
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	26.9	108	73-127	3	20	
trans-1,3-Dichloropropene	ND	25.0	1.0	0.37	ug/L	24.7	99	72-123	4	15	
Trichloroethene	ND	25.0	1.0	0.46	ug/L	26.7	107	74-123	2	16	
Trichlorofluoromethane	ND	25.0	1.0	0.88	ug/L	25.0	100	62-152	8	20	
Vinyl chloride	ND	25.0	1.0	0.90	ug/L	26.0	104	65-133	5	15	
Xylenes, total	ND	75.0	2.0	0.66	ug/L	79.2	106	76-122	1	16	
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*71*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*106*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*84*	*71-126*			
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/08/10 (Lab Number:10K0664-BLK1, Batch: 10K0664)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					

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Work Order: RTJ2205

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/08/10 (Lab Number:10K0664-BLK1, Batch: 10K0664)											
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone			10	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND					
Acetone			10	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Dibromochloromethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/08/10 (Lab Number:10K0664-BLK1, Batch: 10K0664)											
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*95*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*91*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*92*	*71-126*			
LCS Analyzed: 11/08/10 (Lab Number:10K0664-BS1, Batch: 10K0664)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	25.7	103	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	24.4	98	65-138			
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	24.8	99	76-121			
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134			
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	25.0	100	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	25.5	102	75-127			
1,2-Dichloropropane			1.0	0.72	ug/L	ND		76-120			
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Hexanone			5.0	1.2	ug/L	ND		65-127			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND		71-125			
Acetone			10	3.0	ug/L	ND		56-142			
Benzene		25.0	1.0	0.41	ug/L	24.5	98	71-124			
Bromodichloromethane			1.0	0.39	ug/L	ND		80-122			
Bromoform			1.0	0.26	ug/L	ND		66-128			
Bromomethane			1.0	0.69	ug/L	ND		36-150			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/08/10 (Lab Number:10K0664-BS1, Batch: 10K0664)											
Carbon disulfide			1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.4	98	72-120			
Dibromochloromethane			1.0	0.32	ug/L	ND		75-125			
Chloroethane			1.0	0.32	ug/L	ND		69-136			
Chloroform			1.0	0.34	ug/L	ND		73-127			
Chloromethane			1.0	0.35	ug/L	ND		49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	24.7	99	74-124			
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	24.5	98	77-123			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	24.8	99	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	ND		57-132			
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	48.7	97	76-122			
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Xylene		25.0	1.0	0.76	ug/L	24.2	97	76-122			
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			1.0	0.73	ug/L	ND		70-130			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	24.7	99	74-122			
Toluene		25.0	1.0	0.51	ug/L	23.9	96	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	25.1	101	73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	24.4	98	74-123			
Trichlorofluoromethane			1.0	0.88	ug/L	ND		62-152			
Vinyl chloride			1.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	73.0	97	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*93*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*91*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*92*	*71-126*			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/10/10 12:04

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
DRAFT: Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 11/06/10 (Lab Number:10K0602-BLK1, Batch: 10K0602)											
No TICs found			NA		ug/L	ND					
DRAFT: Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 11/07/10 (Lab Number:10K0622-BLK1, Batch: 10K0622)											
No TICs found			NA		ug/L	ND					
DRAFT: Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 11/08/10 (Lab Number:10K0664-BLK1, Batch: 10K0664)											
No TICs found			NA		ug/L	ND					

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Turnkey	Project Manager: Mike Lesakowski	Date: 10-28-10	Chain of Custody Number: 178142
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-225-3314	Lab Number	Page 1 of 1
City: Buffalo / State: NY / Zip Code: 14218	Site Contact: Brock / Lab Contact	Analysis (Attach list if more space is needed)	
Project Name and Location (State): 301 Franklin St. Site	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 0189-001-105			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL + STARS + TICs (8260)	VOC 8260	Special Instructions/ Conditions of Receipt
MW-1 + MS + MSD	10-28-10	1404		X						6			X		
MW-2		1449		X						2			X		
MW-3		1124		X						3			X		
MW-4		1535		X						2			X		
MW-5		1236		X						3			X		
MW-6		1433		X						2			X		
Blind		0800		X						2			X		
Equip Blank		0800		X						3			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Cat B

	Date	Time		Date	Time
1. Relinquished By: Brock Greene	10-29-10	1200	1. Received By	10-29-10	14:00
2. Relinquished By	10-29-10	1810	2. Received By	10/29/10	1810
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-949-1
Client Project/Site: Turnkey - Scott Rotary; Olean, NY site

For:
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Project Manager Michael Lesakowski

Authorized for release by:
2/3/2011 1:35 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com

Table of Contents

Qualifier Definition/Glossary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Job ID: 480-949-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-949-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: Xylenes, Total and 1,2-Dichloroethene, Total are summary analytes and therefore are not calibrated for by the laboratory. They will be present within the data results section of the final report but will not be included in the Laboratory Control Sample (LCS) or Matrix Spike/Matrix Spike Duplicate (MS/MSD) spike lists. Only their component isomers (m&p-xylenes, o-xylene; cis-1,2-Dichloroethene, trans-1,2-Dichloroethene) are calibrated for and will be included on these spike lists.

No other analytical or quality issues were noted.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Client Sample ID: MW-7 — Lab Sample ID: 480-949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.1		1.0	0.79	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	1.7	J	10	1.3	ug/L	1		8260B	Total/NA
Acetone	6.3	J	10	3.0	ug/L	1		8260B	Total/NA
Bromodichloromethane	0.87	J	1.0	0.38	ug/L	1		8260B	Total/NA
Methylcyclohexane	71		1.0	0.16	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.2		1.0	0.81	ug/L	1		8260B	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 480-949-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.98	J	1.0	0.79	ug/L	1		8260B	Total/NA
Cyclohexane	4.5		1.0	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.7		1.0	0.79	ug/L	1		8260B	Total/NA
Methylcyclohexane	6.2		1.0	0.16	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.9		1.0	0.81	ug/L	1		8260B	Total/NA

Client Sample ID: BLIND — Lab Sample ID: 480-949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.0		1.0	0.79	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	2.1	J	10	1.3	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	2.7	J	5.0	2.1	ug/L	1		8260B	Total/NA
Acetone	7.4	J	10	3.0	ug/L	1		8260B	Total/NA
Methylcyclohexane	72		1.0	0.16	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.3		1.0	0.81	ug/L	1		8260B	Total/NA

Client Sample ID: EQ BLANK — Lab Sample ID: 480-949-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	0.66	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-949-5

No Detections.

Client Sample ID: MW-7
Date Collected: 01/17/11 11:55
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 13:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 13:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 13:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 13:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 13:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 13:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 13:43	1
1,2-Dichlorobenzene	**1.1**		1.0	0.79	ug/L			01/20/11 13:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 13:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 13:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 13:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 13:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 13:43	1
2-Butanone (MEK)	**1.7**	**J**	10	1.3	ug/L			01/20/11 13:43	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 13:43	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/11 13:43	1
Acetone	**6.3**	**J**	10	3.0	ug/L			01/20/11 13:43	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 13:43	1
Bromodichloromethane	**0.87**	**J**	1.0	0.38	ug/L			01/20/11 13:43	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 13:43	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 13:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 13:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 13:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 13:43	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 13:43	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 13:43	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 13:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 13:43	1
Cyclohexane	ND		1.0	0.18	ug/L			01/20/11 13:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 13:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 13:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 13:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/20/11 13:43	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 13:43	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 13:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 13:43	1
Methylcyclohexane	**71**		1.0	0.16	ug/L			01/20/11 13:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 13:43	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 13:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 13:43	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 13:43	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 13:43	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 13:43	1
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L			01/20/11 13:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 13:43	1

Client Sample ID: MW-7

Date Collected: 01/17/11 11:55
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			01/20/11 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 13:43	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 13:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 13:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 13:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 13:43	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane, 2,3-dimethyl-	*14*	*T J N*	*ug/L*		*2.91*	*79-29-8*		*01/20/11 13:43*	*1*
Unknown	*20*	*T J*	*ug/L*		*4.70*			*01/20/11 13:43*	*1*
Cyclohexane, 1,3-dimethyl-, cis-	*39*	*T J N*	*ug/L*		*5.93*	*638-4-0*		*01/20/11 13:43*	*1*
Benzene, 1,2,4,5-tetramethyl-	*30*	*T J N*	*ug/L*		*9.91*	*95-93-2*		*01/20/11 13:43*	*1*
1H-Indene, 2,3-dihydro-4-methyl-	*25*	*T J N*	*ug/L*		*10.31*	*824-22-6*		*01/20/11 13:43*	*1*
1H-Indene, 2,3-dihydro-4,7-dimethyl-	*18*	*T J N*	*ug/L*		*10.62*	*6682-71-9*		*01/20/11 13:43*	*1*
Unknown	*19*	*T J*	*ug/L*		*10.71*			*01/20/11 13:43*	*1*
Naphthalene, 1,2,3,4-tetrahydro-2-methyl	*17*	*T J N*	*ug/L*		*10.92*	*3877-19-8*		*01/20/11 13:43*	*1*
Naphthalene, 1,2,3,4-tetrahydro-1-methyl	*18*	*T J N*	*ug/L*		*10.99*	*1559-81-5*		*01/20/11 13:43*	*1*
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	*26*	*T J N*	*ug/L*		*11.56*	*1680-51-9*		*01/20/11 13:43*	*1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*01/20/11 13:43*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*01/20/11 13:43*	*1*
Toluene-d8 (Surr)	*83*		*71 - 126*		*01/20/11 13:43*	*1*

Client Sample ID: MW-8

Date Collected: 01/17/11 11:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 14:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 14:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 14:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 14:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 14:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 14:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 14:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 14:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 14:04	1
1,2-Dichlorobenzene	**0.98**	**J**	1.0	0.79	ug/L			01/20/11 14:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 14:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 14:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 14:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 14:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 14:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/11 14:04	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 14:04	1

Client Sample ID: MW-8
Date Collected: 01/17/11 11:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/11 14:04	1
Acetone	ND		10	3.0	ug/L			01/20/11 14:04	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 14:04	1
Bromodichloromethane	ND		1.0	0.38	ug/L			01/20/11 14:04	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 14:04	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 14:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 14:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 14:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 14:04	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 14:04	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 14:04	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 14:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 14:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 14:04	1
Cyclohexane	**4.5**		1.0	0.18	ug/L			01/20/11 14:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 14:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 14:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 14:04	1
Isopropylbenzene	**1.7**		1.0	0.79	ug/L			01/20/11 14:04	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 14:04	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 14:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 14:04	1
Methylcyclohexane	**6.2**		1.0	0.16	ug/L			01/20/11 14:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 14:04	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 14:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 14:04	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 14:04	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 14:04	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 14:04	1
tert-Butylbenzene	**1.9**		1.0	0.81	ug/L			01/20/11 14:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 14:04	1
Toluene	ND		1.0	0.51	ug/L			01/20/11 14:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 14:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 14:04	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 14:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 14:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 14:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 14:04	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*23*	*T J*	*ug/L*		*9.69*			*01/20/11 14:04*	*1*
Benzene, 1,2,3,4-tetramethyl-	*93*	*T J N*	*ug/L*		*9.91*	*488-23-3*		*01/20/11 14:04*	*1*
Benzene, 1,2,4,5-tetramethyl-	*58*	*T J N*	*ug/L*		*9.95*	*95-93-2*		*01/20/11 14:04*	*1*
Indan, 1-methyl-	*28*	*T J N*	*ug/L*		*10.32*	*767-58-8*		*01/20/11 14:04*	*1*
Benzene, ethyl-1,2,4-trimethyl-	*16*	*T J N*	*ug/L*		*10.61*	*54120-62-6*		*01/20/11 14:04*	*1*
Unknown	*30*	*T J*	*ug/L*		*10.71*			*01/20/11 14:04*	*1*
Naphthalene, 1,2,3,4-tetrahydro-2-methyl	*25*	*T J N*	*ug/L*		*10.92*	*3877-19-8*		*01/20/11 14:04*	*1*
Naphthalene, 1,2,3,4-tetrahydro-1-methyl	*20*	*T J N*	*ug/L*		*10.99*	*1559-81-5*		*01/20/11 14:04*	*1*
1H-Indene, 2,3-dihydro-4,7-dimethyl-	*16*	*T J N*	*ug/L*		*11.29*	*6682-71-9*		*01/20/11 14:04*	*1*

Client Sample ID: MW-8

Date Collected: 01/17/11 11:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	37	T J N	ug/L		11.56	1680-51-9		01/20/11 14:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		01/20/11 14:04	1
4-Bromofluorobenzene (Surr)	86		73 - 120		01/20/11 14:04	1
Toluene-d8 (Surr)	87		71 - 126		01/20/11 14:04	1

Client Sample ID: BLIND

Date Collected: 01/17/11 08:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 15:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 15:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 15:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 15:09	1
1,2-Dichlorobenzene	**1.0**		1.0	0.79	ug/L			01/20/11 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 15:09	1
2-Butanone (MEK)	**2.1**	**J**	10	1.3	ug/L			01/20/11 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 15:09	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 15:09	1
4-Methyl-2-pentanone (MIBK)	**2.7**	**J**	5.0	2.1	ug/L			01/20/11 15:09	1
Acetone	**7.4**	**J**	10	3.0	ug/L			01/20/11 15:09	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 15:09	1
Bromodichloromethane	ND		1.0	0.38	ug/L			01/20/11 15:09	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 15:09	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 15:09	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 15:09	1
Cyclohexane	ND		1.0	0.18	ug/L			01/20/11 15:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 15:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 15:09	1

Client Sample ID: BLIND

Date Collected: 01/17/11 08:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			01/20/11 15:09	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 15:09	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 15:09	1
Methylcyclohexane	**72**		1.0	0.16	ug/L			01/20/11 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 15:09	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 15:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 15:09	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 15:09	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:09	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 15:09	1
tert-Butylbenzene	**2.3**		1.0	0.81	ug/L			01/20/11 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 15:09	1
Toluene	ND		1.0	0.51	ug/L			01/20/11 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 15:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 15:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 15:09	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pentane, 3-methyl-	*18*	*T J N*	*ug/L*		*3.12*	*96-14-0*		*01/20/11 15:09*	*1*
Pentane, 2,3-dimethyl-	*15*	*T J N*	*ug/L*		*4.36*	*565-59-3*		*01/20/11 15:09*	*1*
Unknown	*20*	*T J*	*ug/L*		*4.70*			*01/20/11 15:09*	*1*
Benzene, 1,2,4,5-tetramethyl-	*28*	*T J N*	*ug/L*		*9.91*	*95-93-2*		*01/20/11 15:09*	*1*
Indan, 1-methyl-	*22*	*T J N*	*ug/L*		*10.32*	*767-58-8*		*01/20/11 15:09*	*1*
1H-Indene, 2,3-dihydro-4,7-dimethyl-	*15*	*T J N*	*ug/L*		*10.62*	*6682-71-9*		*01/20/11 15:09*	*1*
1H-Indene, 2,3-dihydro-1,6-dimethyl-	*17*	*T J N*	*ug/L*		*10.71*	*17059-48-2*		*01/20/11 15:09*	*1*
Naphthalene, 1,2,3,4-tetrahydro-2-methyl	*16*	*T J N*	*ug/L*		*10.92*	*3877-19-8*		*01/20/11 15:09*	*1*
Naphthalene, 1,2,3,4-tetrahydro-1-methyl	*16*	*T J N*	*ug/L*		*10.99*	*1559-81-5*		*01/20/11 15:09*	*1*
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	*24*	*T J N*	*ug/L*		*11.56*	*1680-51-9*		*01/20/11 15:09*	*1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*01/20/11 15:09*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*01/20/11 15:09*	*1*
Toluene-d8 (Surr)	*83*		*71 - 126*		*01/20/11 15:09*	*1*

Client Sample ID: EQ BLANK

Date Collected: 01/17/11 12:15
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 15:30	1

Client Sample ID: EQ BLANK
Date Collected: 01/17/11 12:15
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/20/11 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/11 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 15:30	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/11 15:30	1
Acetone	ND		10	3.0	ug/L			01/20/11 15:30	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 15:30	1
Bromodichloromethane	ND		1.0	0.38	ug/L			01/20/11 15:30	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 15:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 15:30	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 15:30	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 15:30	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			01/20/11 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 15:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/20/11 15:30	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 15:30	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 15:30	1
Methylcyclohexane	**0.66**	**J**	1.0	0.16	ug/L			01/20/11 15:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 15:30	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 15:30	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 15:30	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:30	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 15:30	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			01/20/11 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 15:30	1
Toluene	ND		1.0	0.51	ug/L			01/20/11 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 15:30	1

Client Sample ID: EQ BLANK

Lab Sample ID: 480-949-4

Date Collected: 01/17/11 12:15

Matrix: Water

Date Received: 01/18/11 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 15:30	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*01/20/11 15:30*	*1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*01/20/11 15:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/20/11 15:30*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/20/11 15:30*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-949-5

Date Collected: 01/17/11 00:00

Matrix: Water

Date Received: 01/18/11 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 15:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 15:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 15:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 15:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 15:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 15:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 15:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 15:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/20/11 15:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 15:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 15:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 15:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 15:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 15:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/11 15:51	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 15:51	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 15:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/11 15:51	1
Acetone	ND		10	3.0	ug/L			01/20/11 15:51	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 15:51	1
Bromodichloromethane	ND		1.0	0.38	ug/L			01/20/11 15:51	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 15:51	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 15:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 15:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 15:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 15:51	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 15:51	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 15:51	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 15:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 15:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 15:51	1
Cyclohexane	ND		1.0	0.18	ug/L			01/20/11 15:51	1

Client Sample ID: TRIP BLANK
Date Collected: 01/17/11 00:00
Date Received: 01/18/11 12:30

Lab Sample ID: 480-949-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 15:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 15:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 15:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/20/11 15:51	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 15:51	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 15:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 15:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/20/11 15:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 15:51	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 15:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 15:51	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 15:51	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 15:51	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 15:51	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			01/20/11 15:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 15:51	1
Toluene	ND		1.0	0.51	ug/L			01/20/11 15:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 15:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 15:51	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 15:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 15:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 15:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 15:51	1

Tenatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*01/20/11 15:51*	*1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*01/20/11 15:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*01/20/11 15:51*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*01/20/11 15:51*	*1*

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	TOL (71-126)
480-949-1	MW-7	105	80	83
480-949-2	MW-8	101	86	87
480-949-2 MS	MW-8	98	84	89
480-949-2 MSD	MW-8	97	85	89
480-949-3	BLIND	105	80	83
480-949-4	EQ BLANK	94	97	101
480-949-5	TRIP BLANK	95	96	102
LCS 480-3148/4	LCS 480-3148/4	97	99	100
MB 480-3148/5	MB 480-3148/5	96	99	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-3148/5
Matrix: Water
Analysis Batch: 3148

Client Sample ID: MB 480-3148/5
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/20/11 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/11 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/20/11 13:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/11 13:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/11 13:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/11 13:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/20/11 13:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			01/20/11 13:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/20/11 13:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/20/11 13:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/20/11 13:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/11 13:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/11 13:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			01/20/11 13:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/20/11 13:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/20/11 13:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/11 13:10	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/11 13:10	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			01/20/11 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/11 13:10	1
Acetone	ND		10	3.0	ug/L			01/20/11 13:10	1
Benzene	ND		1.0	0.41	ug/L			01/20/11 13:10	1
Bromodichloromethane	ND		1.0	0.38	ug/L			01/20/11 13:10	1
Bromoform	ND		1.0	0.26	ug/L			01/20/11 13:10	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/11 13:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/11 13:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/11 13:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/11 13:10	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/11 13:10	1
Chloroform	ND		1.0	0.34	ug/L			01/20/11 13:10	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/11 13:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/11 13:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/11 13:10	1
Cyclohexane	ND		1.0	0.18	ug/L			01/20/11 13:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/11 13:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/20/11 13:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/11 13:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/20/11 13:10	1
m,p-Xylene	ND		2.0	0.66	ug/L			01/20/11 13:10	1
Methyl acetate	ND		1.0	0.50	ug/L			01/20/11 13:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/20/11 13:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/20/11 13:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/11 13:10	1
n-Butylbenzene	ND		1.0	0.64	ug/L			01/20/11 13:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/11 13:10	1
o-Xylene	ND		1.0	0.76	ug/L			01/20/11 13:10	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			01/20/11 13:10	1
Styrene	ND		1.0	0.73	ug/L			01/20/11 13:10	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			01/20/11 13:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-3148/5
Matrix: Water
Analysis Batch: 3148

Client Sample ID: MB 480-3148/5
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/11 13:10	1
Toluene	ND		1.0	0.51	ug/L			01/20/11 13:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/11 13:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/11 13:10	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/11 13:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/20/11 13:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/11 13:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/11 13:10	1

Tenatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*01/20/11 13:10*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*01/20/11 13:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/20/11 13:10*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*01/20/11 13:10*	*1*

Lab Sample ID: LCS 480-3148/4
Matrix: Water
Analysis Batch: 3148

Client Sample ID: LCS 480-3148/4
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	25.0	23.3		ug/L		93	71 - 129
1,1-Dichloroethene	25.0	25.6		ug/L		102	65 - 138
1,2,4-Trimethylbenzene	25.0	22.6		ug/L		90	76 - 121
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 127
Benzene	25.0	23.1		ug/L		92	71 - 124
Chlorobenzene	25.0	23.8		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
m,p-Xylene	50.0	46.1		ug/L		92	76 - 122
Methyl tert-butyl ether	25.0	23.4		ug/L		94	64 - 127
o-Xylene	25.0	23.5		ug/L		94	76 - 122
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122
Toluene	25.0	22.8		ug/L		91	70 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
Trichloroethene	25.0	22.9		ug/L		92	74 - 123

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Toluene-d8 (Surr)	*100*		*71 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-949-2 MS
Matrix: Water
Analysis Batch: 3148

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	ND		25.0	27.3		ug/L		109	71 - 129
1,1-Dichloroethene	ND		25.0	33.9		ug/L		136	65 - 138
1,2,4-Trimethylbenzene	ND		25.0	26.6		ug/L		107	76 - 121
1,2-Dichlorobenzene	0.98	J	25.0	27.5		ug/L		106	77 - 120
1,2-Dichloroethane	ND		25.0	25.2		ug/L		101	75 - 127
Benzene	ND		25.0	27.2		ug/L		109	71 - 124
Chlorobenzene	ND		25.0	23.7		ug/L		95	72 - 120
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	ND		25.0	24.2		ug/L		97	77 - 123
m,p-Xylene	ND		50.0	46.9		ug/L		94	76 - 122
Methyl tert-butyl ether	ND		25.0	24.9		ug/L		99	64 - 127
o-Xylene	ND		25.0	23.8		ug/L		95	76 - 122
Tetrachloroethene	ND		25.0	24.8		ug/L		99	74 - 122
Toluene	ND		25.0	23.4		ug/L		94	70 - 122
trans-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	73 - 127
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*
Toluene-d8 (Surr)	*89*		*71 - 126*

Lab Sample ID: 480-949-2 MSD
Matrix: Water
Analysis Batch: 3148

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	26.7		ug/L		107	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	34.0		ug/L		136	65 - 138	0	16
1,2,4-Trimethylbenzene	ND		25.0	27.7		ug/L		111	76 - 121	4	20
1,2-Dichlorobenzene	0.98	J	25.0	28.2		ug/L		109	77 - 120	2	20
1,2-Dichloroethane	ND		25.0	25.3		ug/L		101	75 - 127	0	20
Benzene	ND		25.0	27.5		ug/L		110	71 - 124	1	13
Chlorobenzene	ND		25.0	24.2		ug/L		97	72 - 120	2	25
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124	0	15
Ethylbenzene	ND		25.0	24.9		ug/L		100	77 - 123	3	15
m,p-Xylene	ND		50.0	48.3		ug/L		97	76 - 122	3	16
Methyl tert-butyl ether	ND		25.0	24.9		ug/L		100	64 - 127	0	37
o-Xylene	ND		25.0	24.6		ug/L		98	76 - 122	3	16
Tetrachloroethene	ND		25.0	25.0		ug/L		100	74 - 122	1	20
Toluene	ND		25.0	24.0		ug/L		96	70 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	28.1		ug/L		112	73 - 127	0	20
Trichloroethene	ND		25.0	27.6		ug/L		110	74 - 123	1	16

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*
Toluene-d8 (Surr)	*89*		*71 - 126*

QC Association Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

GC/MS VOA

Analysis Batch: 3148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-949-3	BLIND	Total/NA	Water	8260B	
480-949-4	EQ BLANK	Total/NA	Water	8260B	
480-949-5	TRIP BLANK	Total/NA	Water	8260B	
LCS 480-3148/4	LCS 480-3148/4	Total/NA	Water	8260B	
MB 480-3148/5	MB 480-3148/5	Total/NA	Water	8260B	
480-949-1	MW-7	Total/NA	Water	8260B	
480-949-2	MW-8	Total/NA	Water	8260B	
480-949-2 MS	MW-8	Total/NA	Water	8260B	
480-949-2 MSD	MW-8	Total/NA	Water	8260B	

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Client Sample ID: MW-7
Lab Sample ID: 480-949-1
Date Collected: 01/17/11 11:55
Matrix: Water
Date Received: 01/18/11 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	3148	01/20/11 13:43	DC	TestAmerica Buffalo

Client Sample ID: MW-8
Lab Sample ID: 480-949-2
Date Collected: 01/17/11 11:00
Matrix: Water
Date Received: 01/18/11 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	3148	01/20/11 14:04	DC	TestAmerica Buffalo

Client Sample ID: BLIND
Lab Sample ID: 480-949-3
Date Collected: 01/17/11 08:00
Matrix: Water
Date Received: 01/18/11 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	3148	01/20/11 15:09	DC	TestAmerica Buffalo

Client Sample ID: EQ BLANK
Lab Sample ID: 480-949-4
Date Collected: 01/17/11 12:15
Matrix: Water
Date Received: 01/18/11 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	3148	01/20/11 15:30	DC	TestAmerica Buffalo

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-949-5
Date Collected: 01/17/11 00:00
Matrix: Water
Date Received: 01/18/11 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	3148	01/20/11 15:51	DC	TestAmerica Buffalo

Certification Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Laboratory	Authority	Program	EPA Region	Certification ID	* Expiration Date
TestAmerica Buffalo		USDA		P330-08-00242	11/25/11
TestAmerica Buffalo	Arkansas	State Program	6	88-0686	07/06/11
TestAmerica Buffalo	California	NELAC	9	1169CA	09/30/11
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568	09/30/12
TestAmerica Buffalo	Florida	NELAC	4	E87672	06/30/11
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A	03/31/11
TestAmerica Buffalo	Georgia	State Program	4	956	04/01/10
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003	09/30/11
TestAmerica Buffalo	Iowa	State Program	7	374	03/01/11
TestAmerica Buffalo	Kansas	NELAC	7	E-10187	02/28/11
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30	04/12/12
TestAmerica Buffalo	Kentucky	State Program	4	90029	12/31/11
TestAmerica Buffalo	Louisiana	NELAC	6	02031	06/30/11
TestAmerica Buffalo	Maine	State Program	1	NY0044	12/04/12
TestAmerica Buffalo	Maryland	State Program	3	294	03/31/11
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044	06/30/11
TestAmerica Buffalo	Michigan	State Program	5	9937	04/01/11
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337	12/31/11
TestAmerica Buffalo	New Hampshire	NELAC	1	2337	09/11/11
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281	11/17/11
TestAmerica Buffalo	New Jersey	NELAC	2	NY455	06/30/11
TestAmerica Buffalo	New York	NELAC	2	10026	04/01/11
TestAmerica Buffalo	North Dakota	State Program	8	R-176	03/31/11
TestAmerica Buffalo	Oklahoma	State Program	6	9421	09/30/11
TestAmerica Buffalo	Oregon	NELAC	10	NY200003	06/10/11
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281	07/31/11
TestAmerica Buffalo	Tennessee	State Program	4	TN02970	03/31/11
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX	07/31/11
TestAmerica Buffalo	Virginia	State Program	3	278	06/30/11
TestAmerica Buffalo	Washington	State Program	10	C1677	02/10/11
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252	09/30/11
TestAmerica Buffalo	Wisconsin	State Program	5	998310390	08/31/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.
* Any expired certifications in this list are currently pending renewal and are considered valid.

Method Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey - Scott Rotary; Olean, NY site

TestAmerica Job ID: 480-949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-949-1	MW-7	Water	01/17/11 11:55	01/18/11 12:30
480-949-2	MW-8	Water	01/17/11 11:00	01/18/11 12:30
480-949-3	BLIND	Water	01/17/11 08:00	01/18/11 12:30
480-949-4	EQ BLANK	Water	01/17/11 12:15	01/18/11 12:30
480-949-5	TRIP BLANK	Water	01/17/11 00:00	01/18/11 12:30

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt: __

Drinking Water? Yes ☐ No ☐

TAL-4124 (1007)

Client: Turnkey
Address: 2558 Hamburg Turnpike
City: Buffalo | State: NY | Zip Code: 14218
Project Name and Location (State): 301 Franklin St
Contract/Purchase Order/Quote No.: 0189-001-105

Project Manager: Mike Lesakowski
Telephone Number (Area Code)/Fax Number: 716-225 3314
Site Contact: Brak Breaux | Lab Contact: Brian Fyke
Carrier/Waybill Number:

Date: 1-17-11
Lab Number:
Chain of Custody Number: 174091
Page 1 of 1

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOC 8260 TCL + STARS + TICs	Special Instructions/ Conditions of Receipt
MW 7	1-17-11	1155		X						2			X	480034116
MW-8 +MS+MSD	1-17-11	1100		X						6			X	
Blind	1-17-11	0800		X						2			X	
EQ Blank	1-17-11	1215		X						2			X	
Trip Blank				X						1			X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other:

QC Requirements (Specify): Cat B

	Relinquished By	Date	Time	Received By	Date	Time
1	Brock Gregg	1-18-11	0800		01-18-11	1115
2		01-18-11	1230		1-18-11	1237
3		Date	Time		Date	Time

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHOD 8260/624 EXAMPLE CALCULATION
Aqueous Matrix

$$\frac{\text{Amt (ug/L)} \times \text{DF}}{} = \text{ug/l}$$

Amt = ug/L on column
DF=Dilution Factor (no units)

METHOD 8260 EXAMPLE CALCULATION
Medium-Level Soil Matrix

$$\frac{\text{Amt (UG/L} \times \text{DF} \times \text{FV}}{\text{SW} \times \text{DDW} \times \text{inj Vol}} \times 1000 = \text{ug/kg}$$

Amt = Amount on column (ug/L x 5 =ng)
DF=Dilution Factor (no units)
FV= Final Volume (ml) (FV /50)
Inj Vol= injection volume(ul)
SW = Sample Weight (g)
DDW = Decimal Dry Weight (no units, dry wgt/100)

METHOD 8260 EXAMPLE CALCULATION
Low-Level Soil Matrix

$$\frac{\text{Amt (ng)} \times \text{DF}}{\text{SW} \times \text{DDW}} = \text{ug/kg}$$

Amt = ng on column
DF=Dilution Factor (no units)
SW = Sample Weight (g)
DDW = Decimal Dry Weight (no units, dry wgt/100)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-949-1

Login Number: 949

List Number: 1

Creator: Szymanski, Andrew

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Analytical Report

Work Order: RTJ1754

Project Description

Benchmark-350 Franklin St./Olean, NY site

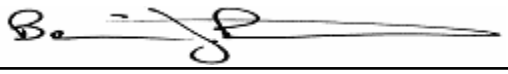
For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Thursday, November 4, 2010

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8260, 0.81 grams of sample MW-6(14-16), 0.85 grams of sample MW-6(18-20), 0.54 grams of sample BLIND DUP, and 0.62 grams of sample MW-5(21-23) was analzyed instead of the required 5 grams due to sample matrix.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

DATA QUALIFIERS AND DEFINITIONS

J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-01 (MW-6 (14-16) - Solid)					**Sampled: 10/20/10 17:15**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
Acetone	**51**	J	170	29	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methylene Chloride	**26**	J	34	16	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:36	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-02 (MW-6 (18-20) - Solid)					**Sampled: 10/20/10 17:20**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
p-Cymene	**210**		36	2.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Acetone	**85**	J	180	30	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methylene Chloride	**43**		36	17	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
tert-Butylbenzene	**44**		36	3.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**82**		0.010	NR	%	1.00	10/26/10 09:38	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-05 (BLIND DUP - Solid)					**Sampled: 10/20/10 12:00**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**43**	J	51	23	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
tert-Butylbenzene	**22**	J	51	5.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	10/26/10 09:40	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-06 (MW-5 (23-25) - Solid)					**Sampled: 10/20/10 17:10**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**8.0**		5.3	2.4	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
tert-Butylbenzene	**2.5**	J	5.3	0.55	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	10/26/10 09:42	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-07 (MW-5 (21-23) - Solid)					**Sampled: 10/20/10 17:25**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**40**	J	45	21	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
tert-Butylbenzene	**42**	J	45	4.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:44	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid)					**Sampled: 10/21/10 13:10**		**Recvd: 10/22/10 12:10**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**8700**	W1	110	49	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
sec-Butylbenzene	**400**	W1	110	39	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
General Chemistry Parameters										

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid) - cont.						**Sampled: 10/21/10 13:10**			**Recvd: 10/22/10 12:10**	
General Chemistry Parameters - cont.										
Percent Solids	**92**		0.010	NR	%	1.00	10/26/10 09:46	K.V	10J2012	Dry Weight
Sample ID: RTJ1754-09 (MW-4 (10-12) - Solid)						**Sampled: 10/21/10 13:00**			**Recvd: 10/22/10 12:10**	
Volatile Organic Compounds by EPA 8260B										
2-Butanone	**13**	J	27	2.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Acetone	**79**		27	4.6	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylcyclohexane	**86**		5.4	0.82	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylene Chloride	**7.0**		5.4	2.5	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
sec-Butylbenzene	**3.5**	J	5.4	0.47	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
tert-Butylbenzene	**5.2**	J	5.4	0.56	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	10/26/10 09:48	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-6 (14-16)	RTJ1754-01	Solid	10/20/10 17:15	10/22/10 12:10	
MW-6 (18-20)	RTJ1754-02	Solid	10/20/10 17:20	10/22/10 12:10	
BLIND DUP	RTJ1754-05	Solid	10/20/10 12:00	10/22/10 12:10	
MW-5 (23-25)	RTJ1754-06	Solid	10/20/10 17:10	10/22/10 12:10	
MW-5 (21-23)	RTJ1754-07	Solid	10/20/10 17:25	10/22/10 12:10	
MW-4 (17-19)	RTJ1754-08	Solid	10/21/10 13:10	10/22/10 12:10	
MW-4 (10-12)	RTJ1754-09	Solid	10/21/10 13:00	10/22/10 12:10	

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-01 (MW-6 (14-16) - Solid)						**Sampled: 10/20/10 17:15**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		34	2.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		34	5.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		34	7.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		34	6.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		34	2.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		34	1.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		34	4.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
2-Butanone	ND		170	13	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
2-Hexanone	ND		170	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
p-Cymene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		170	11	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Acetone	**51**	J	170	29	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Benzene	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromodichloromethane	ND		34	4.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromoform	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromomethane	ND		34	3.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Carbon disulfide	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		34	3.3	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chlorobenzene	ND		34	4.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Dibromochloromethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloroethane	ND		34	7.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloroform	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloromethane	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		34	4.9	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Cyclohexane	ND		34	4.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		34	2.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Ethylbenzene	ND		34	2.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Isopropylbenzene	ND		34	5.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methyl Acetate	ND		34	6.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		34	3.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methylcyclohexane	ND		34	5.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methylene Chloride	**26**	J	34	16	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		68	5.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
n-Butylbenzene	ND		34	3.0	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
n-Propylbenzene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
o-Xylene	ND		34	4.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
sec-Butylbenzene	ND		34	3.0	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Styrene	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-01 (MW-6 (14-16) - Solid) - cont.						**Sampled: 10/20/10 17:15**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		34	3.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Tetrachloroethene	ND		34	4.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Toluene	ND		34	2.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		34	3.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		34	15	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Trichloroethene	ND		34	7.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		34	3.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Vinyl chloride	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Xylenes, total	ND		68	5.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (64-126%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*109 %*		*Surr Limits: (72-126%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*104 %*		*Surr Limits: (71-125%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (013065-07-1)	**420**		Ret Time: 13.836		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-Decalin, 2-methyl- (1000152-47-3)	**1100**		Ret Time: 11.688		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown01 (none)	**1200**		Ret Time: 11.159		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown02 (none)	**1100**		Ret Time: 11.567		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown03 (none)	**630**		Ret Time: 11.761		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown04 (none)	**730**		Ret Time: 11.871		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown05 (none)	**810**		Ret Time: 12.114		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown06 (none)	**790**		Ret Time: 12.26		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown07 (none)	**1000**		Ret Time: 12.388		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown08 (none)	**980**		Ret Time: 12.65		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:36	K.V	10J2012	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-02 (MW-6 (18-20) - Solid)						**Sampled: 10/20/10 17:20**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		36	2.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		36	5.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		36	4.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		36	8.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		36	6.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		36	2.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		36	2.3	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		36	1.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		36	5.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
2-Butanone	ND		180	13	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
2-Hexanone	ND		180	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
p-Cymene	**210**		36	2.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		180	12	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Acetone	**85**	J	180	30	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Benzene	ND		36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromodichloromethane	ND		36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromoform	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromomethane	ND		36	3.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Carbon disulfide	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		36	3.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chlorobenzene	ND		36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Dibromochloromethane	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloroethane	ND		36	8.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloroform	ND		36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloromethane	ND		36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		36	5.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Cyclohexane	ND		36	5.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		36	3.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Ethylbenzene	ND		36	2.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Isopropylbenzene	ND		36	5.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methyl Acetate	ND		36	6.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		36	3.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methylcyclohexane	ND		36	5.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methylene Chloride	**43**		36	17	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		72	6.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
n-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
n-Propylbenzene	ND		36	2.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
o-Xylene	ND		36	4.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
sec-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Styrene	ND		36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-02 (MW-6 (18-20) - Solid) - cont.						**Sampled: 10/20/10 17:20**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**44**		36	3.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Tetrachloroethene	ND		36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Toluene	ND		36	2.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		36	3.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		36	16	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Trichloroethene	ND		36	7.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		36	3.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Vinyl chloride	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Xylenes, total	ND		72	6.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*89 %*		*Surr Limits: (64-126%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (72-126%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*96 %*		*Surr Limits: (71-125%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**1400**		Ret Time: 8.774		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**950**		Ret Time: 7.752		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3000**		Ret Time: 11.165		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown01 (none)	**5000**		Ret Time: 9.127		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown02 (none)	**2000**		Ret Time: 9.218		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown03 (none)	**3800**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown04 (none)	**3000**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown05 (none)	**11000**		Ret Time: 9.547		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown06 (none)	**1700**		Ret Time: 9.699		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown07 (none)	**1100**		Ret Time: 10.094		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**82**		0.010	NR	%	1.00	10/26/10 09:38	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-05 (BLIND DUP - Solid) — **Sampled: 10/20/10 12:00** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		51	3.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		51	8.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		51	6.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		51	12	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		51	9.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		51	4.0	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		51	2.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		51	3.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		51	2.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		51	7.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
2-Butanone	ND		250	19	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
2-Hexanone	ND		250	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
p-Cymene	ND		51	4.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		250	17	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Acetone	ND		250	43	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Benzene	ND		51	2.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromodichloromethane	ND		51	6.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromoform	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromomethane	ND		51	4.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Carbon disulfide	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		51	4.9	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chlorobenzene	ND		51	6.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Dibromochloromethane	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloroethane	ND		51	12	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloroform	ND		51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloromethane	ND		51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		51	7.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Cyclohexane	ND		51	7.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		51	4.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Ethylbenzene	ND		51	3.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Isopropylbenzene	ND		51	7.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methyl Acetate	ND		51	9.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		51	5.0	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methylcyclohexane	ND		51	7.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methylene Chloride	**43**	J	51	23	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		100	8.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
n-Butylbenzene	ND		51	4.4	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
n-Propylbenzene	ND		51	4.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
o-Xylene	ND		51	6.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
sec-Butylbenzene	ND		51	4.4	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Styrene	ND		51	2.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-05 (BLIND DUP - Solid) - cont.						**Sampled: 10/20/10 12:00**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**22**	J	51	5.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Tetrachloroethene	ND		51	6.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Toluene	ND		51	3.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		51	5.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		51	22	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Trichloroethene	ND		51	11	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		51	4.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Vinyl chloride	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Xylenes, total	ND		100	8.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*88 %*		*Surr Limits: (64-126%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*74 %*		*Surr Limits: (72-126%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*71 %*		*Surr Limits: (71-125%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**1700**		Ret Time: 10.082		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3200**		Ret Time: 11.159		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Nonane, 2,6-dimethyl- (017302-28-2)	**1400**		Ret Time: 10.332		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Undecane, 2,5-dimethyl- (017301-22-3)	**2000**		Ret Time: 12.145		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown01 (none)	**1400**		Ret Time: 9.078		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown02 (none)	**1500**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown03 (none)	**1900**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown04 (none)	**2200**		Ret Time: 9.535		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown05 (none)	**1200**		Ret Time: 11.366		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown06 (none)	**2000**		Ret Time: 12.64		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	10/26/10 09:40	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-06 (MW-5 (23-25) - Solid)						**Sampled: 10/20/10 17:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.3	0.38	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		5.3	0.85	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		5.3	0.68	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		5.3	1.0	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		5.3	0.41	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		5.3	0.34	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		5.3	0.27	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		5.3	0.74	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
2-Butanone	ND		26	1.9	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
2-Hexanone	ND		26	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
p-Cymene	ND		5.3	0.42	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		26	1.7	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Acetone	ND		26	4.4	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Benzene	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromodichloromethane	ND		5.3	0.70	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromoform	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromomethane	ND		5.3	0.47	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Carbon disulfide	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		5.3	0.51	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chlorobenzene	ND		5.3	0.69	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Dibromochloromethane	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloroethane	ND		5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloroform	ND		5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloromethane	ND		5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Cyclohexane	ND		5.3	0.74	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		5.3	0.43	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Ethylbenzene	ND		5.3	0.36	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Isopropylbenzene	ND		5.3	0.79	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methyl Acetate	ND		5.3	0.98	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.3	0.52	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methylcyclohexane	ND		5.3	0.80	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methylene Chloride	**8.0**		5.3	2.4	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		11	0.88	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
n-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
n-Propylbenzene	ND		5.3	0.42	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
o-Xylene	ND		5.3	0.69	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
sec-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Styrene	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-06 (MW-5 (23-25) - Solid) - cont.						**Sampled: 10/20/10 17:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.5**	J	5.3	0.55	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Tetrachloroethene	ND		5.3	0.70	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Toluene	ND		5.3	0.40	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Trichloroethene	ND		5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		5.3	0.50	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Vinyl chloride	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Xylenes, total	ND		11	0.88	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*88 %*		*Surr Limits: (64-126%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*93 %*		*Surr Limits: (72-126%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*82 %*		*Surr Limits: (71-125%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**110**		Ret Time: 10.082		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**99**		Ret Time: 11.159		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Tridecane, 7-methyl- (026730-14-3)	**53**		Ret Time: 12.644		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown01 (none)	**69**		Ret Time: 9.079		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown02 (none)	**71**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown03 (none)	**100**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown04 (none)	**180**		Ret Time: 9.535		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown05 (none)	**55**		Ret Time: 9.894		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown06 (none)	**52**		Ret Time: 10.137		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown07 (none)	**52**		Ret Time: 10.247		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	10/26/10 09:42	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-07 (MW-5 (21-23) - Solid) — **Sampled: 10/20/10 17:25** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		45	3.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		45	7.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		45	5.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	10	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		45	5.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		45	5.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		45	2.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		45	8.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		45	3.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		45	2.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		45	2.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		45	6.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
2-Butanone	ND		220	16	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
2-Hexanone	ND		220	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
p-Cymene	ND		45	3.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		220	15	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Acetone	ND		220	38	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Benzene	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromodichloromethane	ND		45	6.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromoform	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromomethane	ND		45	4.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Carbon disulfide	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		45	4.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chlorobenzene	ND		45	5.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Dibromochloromethane	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloroethane	ND		45	10	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloroform	ND		45	2.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloromethane	ND		45	2.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		45	6.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Cyclohexane	ND		45	6.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		45	3.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Ethylbenzene	ND		45	3.1	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Isopropylbenzene	ND		45	6.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methyl Acetate	ND		45	8.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		45	4.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methylcyclohexane	ND		45	6.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methylene Chloride	**40**	J	45	21	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		89	7.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
n-Butylbenzene	ND		45	3.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
n-Propylbenzene	ND		45	3.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
o-Xylene	ND		45	5.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
sec-Butylbenzene	ND		45	3.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Styrene	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-07 (MW-5 (21-23) - Solid) - cont.						**Sampled: 10/20/10 17:25**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**42**	J	45	4.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Tetrachloroethene	ND		45	6.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Toluene	ND		45	3.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		45	4.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		45	20	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Trichloroethene	ND		45	9.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		45	4.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Vinyl chloride	ND		45	5.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Xylenes, total	ND		89	7.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*89 %*		*Surr Limits: (64-126%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*95 %*		*Surr Limits: (72-126%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*89 %*		*Surr Limits: (71-125%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**1900**		Ret Time: 8.774		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3100**		Ret Time: 11.159		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Undecane, 2,6-dimethyl- (017301-23-4)	**2600**		Ret Time: 12.151		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown01 (none)	**2100**		Ret Time: 9.078		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown02 (none)	**2300**		Ret Time: 9.322		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown03 (none)	**3400**		Ret Time: 9.383		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown04 (none)	**3600**		Ret Time: 9.535		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown05 (none)	**2600**		Ret Time: 10.088		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown06 (none)	**2000**		Ret Time: 10.338		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown07 (none)	**1800**		Ret Time: 12.65		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:44	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid)						**Sampled: 10/21/10 13:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	17	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2-Trichloroethane	ND	W1	110	22	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1-Dichloroethane	ND	W1	110	33	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1-Dichloroethene	ND	W1	110	36	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2,4-Trichlorobenzene	ND	W1	110	40	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2,4-Trimethylbenzene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dibromo-3-chloropropane	ND	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.0	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichlorobenzene	ND	W1	110	27	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloroethane	ND	W1	110	43	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloropropane	ND	W1	110	17	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,3,5-Trimethylbenzene	ND	W1	110	32	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,3-Dichlorobenzene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,4-Dichlorobenzene	ND	W1	110	15	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
2-Butanone (MEK)	ND	W1	530	310	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
2-Hexanone	ND	W1	530	220	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
4-Isopropyltoluene	ND	W1	110	36	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	530	34	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Acetone	ND	W1	530	430	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene	ND	W1	110	5.1	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromodichloromethane	ND	W1	110	21	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromoform	ND	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromomethane	ND	W1	110	23	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Carbon disulfide	ND	W1	110	48	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Carbon Tetrachloride	ND	W1	110	27	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chlorobenzene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chlorodibromomethane	ND	W1	110	51	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloroethane	ND	W1	110	22	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloroform	ND	W1	110	72	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloromethane	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
cis-1,2-Dichloroethene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
cis-1,3-Dichloropropene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane	ND	W1	110	23	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Dichlorodifluoromethane	ND	W1	110	46	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Ethylbenzene	ND	W1	110	31	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Isopropylbenzene	ND	W1	110	16	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methyl Acetate	ND	W1	110	50	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methyl tert-Butyl Ether	ND	W1	110	40	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methylcyclohexane	**8700**	W1	110	49	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methylene Chloride	ND	W1	110	21	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
n-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
n-Propylbenzene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
o-Xylene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
sec-Butylbenzene	**400**	W1	110	39	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B

Benchmark Environmental & Engineering Science
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Received: 10/22/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid) - cont.						**Sampled: 10/21/10 13:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
Styrene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Tetrachloroethene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Toluene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
trans-1,2-Dichloroethene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
trans-1,3-Dichloropropene	ND	W1	110	5.1	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Trichloroethene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Trichlorofluoromethane	ND	W1	110	49	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Vinyl chloride	ND	W1	110	35	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloroethane-d4	*91 %*	*W1*	*Surr Limits: (53-146%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
4-Bromofluorobenzene	*99 %*	*W1*	*Surr Limits: (49-148%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
Toluene-d8	*106 %*	*W1*	*Surr Limits: (50-149%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1-ethyl-2,3-dimethyl- (000933-98-2)	**8600**		Ret Time: 10.991		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	**5800**		Ret Time: 10.62		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene, 1-methyl-4-(1-methylpropyl)- (001595-16-0)	**7600**		Ret Time: 11.502		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**5300**		Ret Time: 7.116		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**17000**		Ret Time: 5.905		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**6200**		Ret Time: 9.069		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**8100**		Ret Time: 10.188		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown01 (none)	**5700**		Ret Time: 8.23		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown02 (none)	**5700**		Ret Time: 8.777		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown03 (none)	**5800**		Ret Time: 11.405		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	10/26/10 09:46	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-09 (MW-4 (10-12) - Solid) — **Sampled: 10/21/10 13:00** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
2-Butanone	**13**	J	27	2.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
p-Cymene	ND		5.4	0.43	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Acetone	**79**		27	4.6	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromodichloromethane	ND		5.4	0.72	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chlorobenzene	ND		5.4	0.71	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Dibromochloromethane	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloromethane	ND		5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane	ND		5.4	0.76	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Isopropylbenzene	ND		5.4	0.81	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.53	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylcyclohexane	**86**		5.4	0.82	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylene Chloride	**7.0**		5.4	2.5	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		11	0.91	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
n-Propylbenzene	ND		5.4	0.43	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
o-Xylene	ND		5.4	0.71	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
sec-Butylbenzene	**3.5**	J	5.4	0.47	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-09 (MW-4 (10-12) - Solid) - cont.						**Sampled: 10/21/10 13:00**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**5.2**	J	5.4	0.56	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Tetrachloroethene	ND		5.4	0.73	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Xylenes, total	ND		11	0.91	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (64-126%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (72-126%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*101 %*		*Surr Limits: (71-125%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**360**		Ret Time: 8.774		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, 1,3-dimethyl-,cis (000638-04-0)	**540**		Ret Time: 7.053		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**260**		Ret Time: 7.521		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, ethyl- (001678-91-7)	**340**		Ret Time: 7.971		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**230**		Ret Time: 7.752		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown01 (none)	**300**		Ret Time: 9.079		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown02 (none)	**240**		Ret Time: 9.219		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown03 (none)	**320**		Ret Time: 9.322		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown04 (none)	**480**		Ret Time: 9.383		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown05 (none)	**580**		Ret Time: 9.541		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	10/26/10 09:48	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10J2012	RTJ1754-01	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-02	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-05	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-06	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-07	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-08	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Dry Weight	10J2012	RTJ1754-09	10.00	g	10.00	g	10/25/10 09:42	JRR	Dry Weight
Tentatively Identified Compounds by EPA 8260B									
8260B	10J2552	RTJ1754-05	0.54	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-07	0.62	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-01	0.81	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-02	0.85	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-09	5.00	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-06	5.02	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10K0094	RTJ1754-08	5.15	g	500.00	mL	11/02/10 00:55	TRB	Methanol Prep
Volatile Organic Compounds by EPA 8260B									
8260B	10K0094	RTJ1754-08	5.15	g	500.00	mL	11/02/10 00:55	NMD	Methanol Prep
8260B	10J2552	RTJ1754-05	0.54	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-07	0.62	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-01	0.81	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-02	0.85	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-09	5.00	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS
8260B	10J2552	RTJ1754-06	5.02	g	5.00	mL	10/29/10 14:10	PJQ	5030B MS

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Received: 10/22/10
Reported: 11/04/10 09:30

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 10/29/10 (Lab Number:10J2552-BLK1, Batch: 10J2552)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					

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Received: 10/22/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 10/29/10 (Lab Number:10J2552-BLK1, Batch: 10J2552)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*108*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*107*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*112*	*71-125*			
LCS Analyzed: 10/29/10 (Lab Number:10J2552-BS1, Batch: 10J2552)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	43.4	87	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	42.0	84	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	49.1	98	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

Benchmark Environmental & Engineering Science
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Received: 10/22/10
Reported: 11/04/10 09:30

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 10/29/10 (Lab Number:10J2552-BS1, Batch: 10J2552)											
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	50.2	100	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	46.2	92	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	48.3	97	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	52.1	104	76-124			
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	43.6	87	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	51.3	103	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.0	84	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	105	105	70-130			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	51.6	103	70-130			

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Received: 10/22/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 10/29/10 (Lab Number:10J2552-BS1, Batch: 10J2552)											
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	47.3	95	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	49.0	98	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	43.7	87	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	47.7	95	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	156	104	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*99*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*111*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*103*	*71-125*			
Matrix Spike Analyzed: 10/29/10 (Lab Number:10J2552-MS2, Batch: 10J2552)											
QC Source Sample: RTJ1754-02											
1,1,1-Trichloroethane	ND		32	2.3	ug/kg dry	ND		77-121			
1,1,2,2-Tetrachloroethane	ND		32	5.2	ug/kg dry	ND		80-120			
1,1,2-Trichloroethane	ND		32	4.2	ug/kg dry	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		32	7.4	ug/kg dry	ND		60-140			
1,1-Dichloroethane	ND	322	32	3.9	ug/kg dry	258	80	79-126			
1,1-Dichloroethene	ND	322	32	3.9	ug/kg dry	247	77	65-153			
1,2,4-Trichlorobenzene	ND		32	2.0	ug/kg dry	ND		64-120			
1,2,4-Trimethylbenzene	ND	322	32	6.2	ug/kg dry	121	38	74-120			M8
1,2-Dibromo-3-chloropropane	ND		32	16	ug/kg dry	ND		63-124			
1,2-Dibromoethane	ND		32	4.1	ug/kg dry	ND		78-120			
1,2-Dichlorobenzene	ND	322	32	2.5	ug/kg dry	147	46	75-120			M8
1,2-Dichloroethane	ND	322	32	1.6	ug/kg dry	233	72	77-122			M8
1,2-Dichloropropane	ND		32	16	ug/kg dry	ND		75-124			
1,3,5-Trimethylbenzene	ND		32	2.1	ug/kg dry	ND		74-120			
1,3-Dichlorobenzene	ND		32	1.7	ug/kg dry	ND		74-120			
1,4-Dichlorobenzene	ND		32	4.5	ug/kg dry	ND		73-120			
2-Butanone	ND		160	12	ug/kg dry	ND		70-134			
2-Hexanone	ND		160	16	ug/kg dry	ND		59-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 10/29/10 (Lab Number:10J2552-MS2, Batch: 10J2552)											
QC Source Sample: RTJ1754-02											
p-Cymene	209		32	2.6	ug/kg dry	ND		74-120			
4-Methyl-2-pentanone	ND		160	11	ug/kg dry	ND		65-133			
Acetone	85.0		160	27	ug/kg dry	61.3		61-137			J
Benzene	ND	322	32	1.6	ug/kg dry	274	85	79-127			
Bromodichloromethane	ND		32	4.3	ug/kg dry	ND		80-122			
Bromoform	ND		32	16	ug/kg dry	ND		68-126			
Bromomethane	ND		32	2.9	ug/kg dry	ND		37-149			
Carbon disulfide	ND		32	16	ug/kg dry	ND		64-131			
Carbon Tetrachloride	ND		32	3.1	ug/kg dry	ND		75-135			
Chlorobenzene	ND	322	32	4.3	ug/kg dry	255	79	76-124			
Dibromochloromethane	ND		32	4.1	ug/kg dry	ND		76-125			
Chloroethane	ND		32	7.3	ug/kg dry	ND		69-135			
Chloroform	ND		32	2.0	ug/kg dry	ND		80-118			
Chloromethane	ND		32	1.9	ug/kg dry	ND		63-127			
cis-1,2-Dichloroethene	ND	322	32	4.1	ug/kg dry	279	87	81-117			
cis-1,3-Dichloropropene	ND		32	4.6	ug/kg dry	ND		82-120			
Cyclohexane	ND		32	4.5	ug/kg dry	ND		70-130			
Dichlorodifluoromethane	ND		32	2.7	ug/kg dry	ND		57-142			
Ethylbenzene	ND	322	32	2.2	ug/kg dry	196	61	80-120			M8
Isopropylbenzene	ND		32	4.9	ug/kg dry	ND		72-120			
Methyl Acetate	ND		32	6.0	ug/kg dry	ND		60-140			
Methyl-t-Butyl Ether (MTBE)	ND	322	32	3.2	ug/kg dry	242	75	63-125			
Methylcyclohexane	ND		32	4.9	ug/kg dry	ND		60-140			
Methylene Chloride	42.6		32	15	ug/kg dry	35.7		61-127			
m-Xylene & p-Xylene	ND	645	64	5.4	ug/kg dry	377	58	70-130			M8
n-Butylbenzene	ND		32	2.8	ug/kg dry	ND		70-120			
n-Propylbenzene	ND		32	2.6	ug/kg dry	ND		70-130			
o-Xylene	ND	322	32	4.2	ug/kg dry	201	62	70-130			M8
sec-Butylbenzene	ND		32	2.8	ug/kg dry	ND		74-120			
Styrene	ND		32	1.6	ug/kg dry	ND		80-120			
tert-Butylbenzene	44.2		32	3.4	ug/kg dry	42.8		73-120			
Tetrachloroethene	ND	322	32	4.3	ug/kg dry	173	54	74-122			M8
Toluene	ND	322	32	2.4	ug/kg dry	242	75	74-128			
trans-1,2-Dichloroethene	ND	322	32	3.3	ug/kg dry	264	82	78-126			
trans-1,3-Dichloropropene	ND		32	14	ug/kg dry	ND		73-123			
Trichloroethene	ND	322	32	7.1	ug/kg dry	251	78	77-129			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 10/29/10 (Lab Number:10J2552-MS2, Batch: 10J2552)											
QC Source Sample: RTJ1754-02											
Trichlorofluoromethane	ND		32	3.0	ug/kg dry	ND		65-146			
Vinyl chloride	ND		32	3.9	ug/kg dry	ND		61-133			
Xylenes, total	ND	967	64	5.4	ug/kg dry	578	60	80-120			M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*76*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*104*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*105*	*71-125*			
Matrix Spike Dup Analyzed: 10/29/10 (Lab Number:10J2552-MSD2, Batch: 10J2552)											
QC Source Sample: RTJ1754-02											
1,1,1-Trichloroethane	ND		34	2.5	ug/kg dry	ND		77-121		20	
1,1,2,2-Tetrachloroethane	ND		34	5.6	ug/kg dry	ND		80-120		20	
1,1,2-Trichloroethane	ND		34	4.5	ug/kg dry	ND		78-122		20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		34	7.8	ug/kg dry	ND		60-140		20	
1,1-Dichloroethane	ND	344	34	4.2	ug/kg dry	273	79	79-126	6	20	
1,1-Dichloroethene	ND	344	34	4.2	ug/kg dry	251	73	65-153	1	22	
1,2,4-Trichlorobenzene	ND		34	2.1	ug/kg dry	ND		64-120		20	
1,2,4-Trimethylbenzene	ND	344	34	6.6	ug/kg dry	132	38	74-120	9	20	M8
1,2-Dibromo-3-chloropropane	ND		34	17	ug/kg dry	ND		63-124		20	
1,2-Dibromoethane	ND		34	4.4	ug/kg dry	ND		78-120		20	
1,2-Dichlorobenzene	ND	344	34	2.7	ug/kg dry	158	46	75-120	7	20	M8
1,2-Dichloroethane	ND	344	34	1.7	ug/kg dry	247	72	77-122	6	20	M8
1,2-Dichloropropane	ND		34	17	ug/kg dry	ND		75-124		20	
1,3,5-Trimethylbenzene	ND		34	2.2	ug/kg dry	ND		74-120		20	
1,3-Dichlorobenzene	ND		34	1.8	ug/kg dry	ND		74-120		20	
1,4-Dichlorobenzene	ND		34	4.8	ug/kg dry	ND		73-120		20	
2-Butanone	ND		170	13	ug/kg dry	ND		70-134		20	
2-Hexanone	ND		170	17	ug/kg dry	ND		59-130		20	
p-Cymene	209		34	2.8	ug/kg dry	ND		74-120		20	
4-Methyl-2-pentanone	ND		170	11	ug/kg dry	ND		65-133		20	
Acetone	85.0		170	29	ug/kg dry	69.9		61-137	13	15	J
Benzene	ND	344	34	1.7	ug/kg dry	283	82	79-127	3	20	
Bromodichloromethane	ND		34	4.6	ug/kg dry	ND		80-122		20	
Bromoform	ND		34	17	ug/kg dry	ND		68-126		20	
Bromomethane	ND		34	3.1	ug/kg dry	ND		37-149		20	
Carbon disulfide	ND		34	17	ug/kg dry	ND		64-131		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 10/29/10 (Lab Number:10J2552-MSD2, Batch: 10J2552)											
QC Source Sample: RTJ1754-02											
Carbon Tetrachloride	ND		34	3.3	ug/kg dry	ND		75-135		20	
Chlorobenzene	ND	344	34	4.5	ug/kg dry	197	57	76-124	25	25	M8,R2
Dibromochloromethane	ND		34	4.4	ug/kg dry	ND		76-125		20	
Chloroethane	ND		34	7.8	ug/kg dry	ND		69-135		20	
Chloroform	ND		34	2.1	ug/kg dry	ND		80-118		20	
Chloromethane	ND		34	2.1	ug/kg dry	ND		63-127		20	
cis-1,2-Dichloroethene	ND	344	34	4.4	ug/kg dry	292	85	81-117	4	20	
cis-1,3-Dichloropropene	ND		34	5.0	ug/kg dry	ND		82-120		20	
Cyclohexane	ND		34	4.8	ug/kg dry	ND		70-130		20	
Dichlorodifluoromethane	ND		34	2.8	ug/kg dry	ND		57-142		20	
Ethylbenzene	ND	344	34	2.4	ug/kg dry	150	44	80-120	26	20	M8,R2
Isopropylbenzene	ND		34	5.2	ug/kg dry	ND		72-120		20	
Methyl Acetate	ND		34	6.4	ug/kg dry	ND		60-140		20	
Methyl-t-Butyl Ether (MTBE)	ND	344	34	3.4	ug/kg dry	275	80	63-125	13	20	
Methylcyclohexane	ND		34	5.2	ug/kg dry	ND		60-140		20	
Methylene Chloride	42.6		34	16	ug/kg dry	31.0		61-127	14	15	J
m-Xylene & p-Xylene	ND	688	69	5.8	ug/kg dry	289	42	70-130	26	20	M8,R2
n-Butylbenzene	ND		34	3.0	ug/kg dry	ND		70-120		20	
n-Propylbenzene	ND		34	2.8	ug/kg dry	ND		70-130		20	
o-Xylene	ND	344	34	4.5	ug/kg dry	158	46	70-130	24	20	M8,R2
sec-Butylbenzene	ND		34	3.0	ug/kg dry	ND		74-120		20	
Styrene	ND		34	1.7	ug/kg dry	ND		80-120		20	
tert-Butylbenzene	44.2		34	3.6	ug/kg dry	37.3		73-120	14	20	
Tetrachloroethene	ND	344	34	4.6	ug/kg dry	131	38	74-122	28	20	M8,R2
Toluene	ND	344	34	2.6	ug/kg dry	185	54	74-128	27	20	M8,R2
trans-1,2-Dichloroethene	ND	344	34	3.6	ug/kg dry	274	80	78-126	4	20	
trans-1,3-Dichloropropene	ND		34	15	ug/kg dry	ND		73-123		20	
Trichloroethene	ND	344	34	7.6	ug/kg dry	254	74	77-129	1	24	M8
Trichlorofluoromethane	ND		34	3.3	ug/kg dry	ND		65-146		20	
Vinyl chloride	ND		34	4.2	ug/kg dry	ND		61-133		20	
Xylenes, total	ND	1030	69	5.8	ug/kg dry	447	43	80-120	26	20	M8,R2
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*77*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*76*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*76*	*71-125*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/02/10 (Lab Number:10K0094-BLK1, Batch: 10K0094)											
1,1,1-Trichloroethane			98	27	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			98	16	ug/kg wet	ND					
1,1,2-Trichloroethane			98	21	ug/kg wet	ND					
1,1,2-Trichlorotrifluoroethane			98	49	ug/kg wet	ND					
1,1-Dichloroethane			98	30	ug/kg wet	ND					
1,1-Dichloroethene			98	34	ug/kg wet	ND					
1,2,4-Trichlorobenzene			98	37	ug/kg wet	ND					
1,2,4-Trimethylbenzene			98	27	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			98	49	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			98	3.7	ug/kg wet	ND					
1,2-Dichlorobenzene			98	25	ug/kg wet	ND					
1,2-Dichloroethane			98	40	ug/kg wet	ND					
1,2-Dichloropropane			98	16	ug/kg wet	ND					
1,3,5-Trimethylbenzene			98	30	ug/kg wet	ND					
1,3-Dichlorobenzene			98	26	ug/kg wet	ND					
1,4-Dichlorobenzene			98	14	ug/kg wet	ND					
2-Butanone (MEK)			490	290	ug/kg wet	ND					
2-Hexanone			490	200	ug/kg wet	ND					
4-Isopropyltoluene			98	33	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			490	31	ug/kg wet	ND					
Acetone			490	400	ug/kg wet	ND					
Benzene			98	4.7	ug/kg wet	ND					
Bromodichloromethane			98	20	ug/kg wet	ND					
Bromoform			98	49	ug/kg wet	ND					
Bromomethane			98	22	ug/kg wet	ND					
Carbon disulfide			98	45	ug/kg wet	ND					
Carbon Tetrachloride			98	25	ug/kg wet	ND					
Chlorobenzene			98	13	ug/kg wet	ND					
Chlorodibromomethane			98	48	ug/kg wet	ND					
Chloroethane			98	20	ug/kg wet	ND					
Chloroform			98	68	ug/kg wet	ND					
Chloromethane			98	23	ug/kg wet	ND					
cis-1,2-Dichloroethene			98	27	ug/kg wet	ND					
cis-1,3-Dichloropropene			98	24	ug/kg wet	ND					
Cyclohexane			98	22	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/02/10 (Lab Number:10K0094-BLK1, Batch: 10K0094)											
Dichlorodifluoromethane			98	43	ug/kg wet	ND					
Ethylbenzene			98	29	ug/kg wet	ND					
Isopropylbenzene			98	15	ug/kg wet	ND					
Methyl Acetate			98	47	ug/kg wet	ND					
Methyl tert-Butyl Ether			98	37	ug/kg wet	ND					
Methylcyclohexane			98	46	ug/kg wet	ND					
Methylene Chloride			98	19	ug/kg wet	ND					
m-Xylene & p-Xylene			200	55	ug/kg wet	ND					
n-Butylbenzene			98	29	ug/kg wet	ND					
n-Propylbenzene			98	26	ug/kg wet	ND					
o-Xylene			98	13	ug/kg wet	ND					
sec-Butylbenzene			98	36	ug/kg wet	ND					
Styrene			98	24	ug/kg wet	ND					
tert-Butylbenzene			98	27	ug/kg wet	ND					
Tetrachloroethene			98	13	ug/kg wet	ND					
Toluene			98	26	ug/kg wet	ND					
trans-1,2-Dichloroethene			98	23	ug/kg wet	ND					
trans-1,3-Dichloropropene			98	4.7	ug/kg wet	ND					
Trichloroethene			98	27	ug/kg wet	ND					
Trichlorofluoromethane			98	46	ug/kg wet	ND					
Vinyl chloride			98	33	ug/kg wet	ND					
Xylenes, total			200	17	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*94*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*98*	*49-148*			
Surrogate: Toluene-d8					*ug/kg wet*		*108*	*50-149*			
LCS Analyzed: 11/02/10 (Lab Number:10K0094-BS1, Batch: 10K0094)											
1,1-Dichloroethene		2500	100	35	ug/kg wet	2670	107	54-144			
Benzene		2500	100	4.8	ug/kg wet	2840	114	75-131			
Chlorobenzene		2500	100	13	ug/kg wet	3010	120	80-127			
Toluene		2500	100	27	ug/kg wet	2800	112	76-133			
Trichloroethene		2500	100	28	ug/kg wet	2810	112	77-130			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*94*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*100*	*49-148*			
Surrogate: Toluene-d8					*ug/kg wet*		*105*	*50-149*			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 10/29/10 (Lab Number:10J2552-BLK1, Batch: 10J2552)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 11/02/10 (Lab Number:10K0094-BLK1, Batch: 10K0094)											
No TICs found			NA	NR	ug/kg wet	ND					

[redacted]

Chain of Custody Record

Temperature on Receipt ____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Tunkley Environmental Res	Project Manager: Mike Lewkowski	Date: 10/21/10	Chain of Custody Number: 149925
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: (716) 863-0635	Lab Number	Page 1 of 1
City: Lackawanna	State: NY	Zip Code: 14218	Site Contact: T. Schmidt	Lab Contact: B. Fisk
Project Name and Location (State): 360 Franklin st Scott Refuse Soils	Carrier/Waybill Number	Analysis (Attach list if more space is needed)
Contract/Purchase Order/Quote No.		8260 STARS + TICs

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	8260 STARS + TICs	Special Instructions/ Conditions of Receipt
MW-6 (14-16)	10/20/10	1715				X	X						1	
MW-6 (18-20) (MS/MSD)		1720				X	X						3	
Blind Dup		1200				X	X						1	
MW-5 (23-25)		1710				X	X						1	
MW-5 (21-23) ~~(Hold/MS/D)~~		1725				X	X						1	
MW-4 (17-19)	10/21/10	1310				X	X						1	
MW-4 (10-12)	10/21/10	1300				X	X						1	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STD

QC Requirements (Specify): CAT B

	Relinquished By	Date	Time	Received By	Date	Time
1.		10/22/10	0800		10-22-10	11:00
2.		10-22-10	12:10		10/22/10	1200
3.		Date	Time		Date	Time

Comments: 3.4°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Analytical Report

SDG Number: RTH1004

Project Description(s)

Work Order RTH1004 - Benchmark-350 Franklin St./Olean, NY site
Work Order RTH1006 - Benchmark-350 Franklin St./Olean, NY site

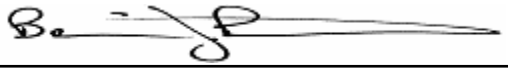
For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Tuesday, September 7, 2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
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CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

The Matrix Spike Blank recovery was below TestAmerica's statistically developed internal laboratory QC limits, for this analyte. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

For method 8260, 1.00 gram of sample TP-20(16-18), 0.97 grams of sample TP-22(16-18), 1.00 gram of sample TP-23(8-10)RE, 1.17 grams of sample TP-19(14-16), 1.15 grams of sample TP-18(15-17), 0.75 grams of sample TP-16(15-17) and 1.01 grams of sample TP-14(15-17) were analzyed instead of the required 5 grams due to sample matrix.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/kg dry	170	330

TestAmerica
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Benchmark Environmental & Engineering Science
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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D02	Dilution required due to sample matrix effects
D08	Dilution required due to high concentration of target analyte(s)
D10	Dilution required due to sample color
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M4	The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
N1	See case narrative.
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
Z3	The sample required a dilution, the surrogate spike concentration in the sample are reduced to a level where the recovery calculation does not provide useful information.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND 1 (RTH1006-06 - Solid)					**Sampled: 08/17/10 08:00**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
tert-Butylbenzene	**84**	W1,J	100	29	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Semivolatile Organics by GC/MS										
Fluorene	**190**		180	4.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Organochlorine Pesticides by EPA Method 8081A										
Endosulfan II	**0.88**	QFL,J	1.8	0.32	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Heptachlor	**0.28**	QFL,J	1.8	0.28	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**5730**		10.5	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Arsenic	**5.7**		2.1	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Barium	**37.6**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Calcium	**30100**		52.3	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Chromium	**6.18**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Cobalt	**5.12**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Copper	**17.5**		1.0	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Iron	**13200**	B1	10.5	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Lead	**7.7**		1.0	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Magnesium	**8170**		20.9	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Manganese	**475**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Nickel	**12.1**		5.23	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Potassium	**632**		31.4	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Vanadium	**8.11**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Zinc	**66.3**		2.1	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/19/10 13:51	JRR	10H1323	Dry Weight
Client ID: NORTH PILE (RTH1006-03 - Solid)					**Sampled: 08/17/10 14:10**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**13**		5.8	2.7	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**280**	D02,J	990	17	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(a)pyrene	**290**	D02,J	990	24	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(b)fluoranthene	**330**	D02,J	990	19	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(ghi)perylene	**400**	D02,J	990	12	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Chrysene	**320**	D02,J	990	9.8	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Fluoranthene	**480**	D02,J	990	14	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**210**	D02,J	990	27	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Phenanthrene	**180**	D02,J	990	21	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Pyrene	**380**	D02,J	990	6.3	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**86**		0.010	NR	%	1.00	08/19/10 13:45	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: POLY PILES (RTH1006-04 - Solid)					**Sampled: 08/17/10 14:20**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**5.9**		5.6	2.6	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**100**	D02,J	950	16	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(ghi)perylene	**150**	D02,J	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Chrysene	**130**	D02,J	950	9.4	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Fluoranthene	**150**	D02,J	950	14	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**100**	D02,J	950	26	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Phenanthrene	**140**	D02,J	950	20	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Pyrene	**140**	D02,J	950	6.1	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:47	JRR	10H1323	Dry Weight
Client ID: SOUTH PILE (RTH1006-05 - Solid)					**Sampled: 08/17/10 14:40**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**7.2**		5.5	2.5	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Semivolatile Organics by GC/MS										
4-Methylphenol	**380**	D02,J	960	53	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(a)anthracene	**220**	D02,J	960	17	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(a)pyrene	**270**	D02,J	960	23	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(b)fluoranthene	**250**	D02,J	960	19	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(ghi)perylene	**250**	D02,J	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Chrysene	**240**	D02,J	960	9.6	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Fluoranthene	**390**	D02,J	960	14	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**150**	D02,J	960	26	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Phenanthrene	**250**	D02,J	960	20	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Pyrene	**390**	D02,J	960	6.2	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**87**		0.010	NR	%	1.00	08/19/10 13:49	JRR	10H1323	Dry Weight
Client ID: TP-13 (14-16) (RTH1004-07 - Solid)					**Sampled: 08/16/10 14:20**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
tert-Butylbenzene	**110**	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
4-Methylphenol	**38**	J	180	9.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/19/10 13:27	JRR	10H1323	Dry Weight
Client ID: TP-14 (15-17) (RTH1004-13 - Solid)					**Sampled: 08/17/10 12:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Acetone	**47**	J	140	24	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Methylene Chloride	**55**		28	13	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-14 (15-17) (RTH1004-13 - Solid) - cont.					**Sampled: 08/17/10 12:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**24**	J	28	2.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
tert-Butylbenzene	**36**		28	2.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Toluene	**16**	J	28	2.1	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Semivolatile Organics by GC/MS										
Fluorene	**160**	J	190	4.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/19/10 13:39	JRR	10H1323	Dry Weight
Client ID: TP-15 (15-17) (RTH1006-02 - Solid)					**Sampled: 08/17/10 13:45**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
2-Butanone	**19**	J	28	2.0	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Acetone	**100**		28	4.6	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Carbon disulfide	**4.3**	J	5.5	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methylcyclohexane	**60**		5.5	0.84	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methylene Chloride	**9.0**		5.5	2.5	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
Fluorene	**17**	J	190	4.3	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Naphthalene	**30**	J	190	3.1	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Phenanthrene	**42**	J	190	3.9	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/19/10 13:43	JRR	10H1323	Dry Weight
Client ID: TP-15 (3-4) (RTH1006-01 - Solid)					**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**32000**	W1, D08	220	100	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
sec-Butylbenzene	**600**	W1, D08	220	81	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
tert-Butylbenzene	**250**	W1, D08	220	61	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
Fluorene	**350**		180	4.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Phenanthrene	**610**		180	3.8	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Organochlorine Pesticides by EPA Method 8081A										
gamma-BHC (Lindane)	**0.33**	QFL,J	1.8	0.32	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**6370**		10.8	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Arsenic	**5.5**		2.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Barium	**30.1**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Calcium	**824**		54.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Chromium	**6.02**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Cobalt	**4.88**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Copper	**32.4**		1.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont.					**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**			
Total Metals by SW 846 Series Methods - cont.										
Iron	**12200**	B1	10.8	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Lead	**10.4**		1.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Magnesium	**1980**		21.6	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Manganese	**198**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Nickel	**13.6**		5.41	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Potassium	**491**		32.5	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Vanadium	**9.42**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Zinc	**68.9**		2.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Mercury	**0.0420**		0.0215	NR	mg/kg dry	1.00	08/23/10 15:56	DAN	10H1558	7471A
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:41	JRR	10H1323	Dry Weight
Client ID: TP-15 (3-4) (RTH1006-01RE1 - Solid)					**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**33000**	D08, W1	550	260	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
sec-Butylbenzene	**610**	D08, W1	550	200	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Client ID: TP-16 (15-17) (RTH1004-12 - Solid)					**Sampled: 08/17/10 11:20**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Acetone	**40**	J	180	30	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Methylene Chloride	**76**		36	16	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Toluene	**17**	J	36	2.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**4380**		11.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Arsenic	**6.1**		2.3	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Barium	**31.7**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Calcium	**44400**		57.4	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Chromium	**5.04**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Cobalt	**4.10**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Copper	**15.3**		1.1	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Iron	**9890**	B1	11.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Lead	**8.5**		1.1	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Magnesium	**4200**		23.0	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Manganese	**539**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Nickel	**9.76**		5.74	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Potassium	**635**		34.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Vanadium	**6.94**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Zinc	**53.4**		2.3	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/19/10 13:37	JRR	10H1323	Dry Weight

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Project Number: TURN-0016

Received: 08/18/10
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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-17 (15-17) (RTH1004-11 - Solid)					**Sampled: 08/17/10 10:30**			**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	**7.6**		5.4	2.5	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Toluene	**2.9**	J	5.4	0.41	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:35	JRR	10H1323	Dry Weight
Client ID: TP-18 (15-17) (RTH1004-10 - Solid)					**Sampled: 08/17/10 09:45**			**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**29**	J	120	20	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Methylene Chloride	**19**	J	24	11	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
sec-Butylbenzene	**9.9**	J	24	2.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Toluene	**10**	J	24	1.8	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**150**	J	180	3.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(a)pyrene	**98**	J	180	4.3	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(ghi)perylene	**77**	J	180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Chrysene	**360**		180	1.8	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/19/10 13:33	JRR	10H1323	Dry Weight
Client ID: TP-19 (14-16) (RTH1004-09 - Solid)					**Sampled: 08/16/10 15:45**			**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**700**		23	3.5	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Methylene Chloride	**20**	J	23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
tert-Butylbenzene	**23**		23	2.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:31	JRR	10H1323	Dry Weight
Client ID: TP-20 (16-18) (RTH1004-01 - Solid)					**Sampled: 08/16/10 10:00**			**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
Acetone	**37**	J	130	23	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Methylene Chloride	**69**		27	12	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Toluene	**16**	J	27	2.0	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Total Metals by SW 846 Series Methods										
Aluminum	**3630**		10.1	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Arsenic	**4.4**		2.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Barium	**19.4**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Calcium	**40400**	D08	253	NR	mg/kg dry	5.00	08/30/10 22:57	DAN	10H1801	6010B
Chromium	**5.33**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Cobalt	**7.08**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Copper	**37.1**		1.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Iron	**10300**	B1	10.1	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Lead	**6.0**		1.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont.					**Sampled: 08/16/10 10:00**		**Recvd: 08/18/10 12:15**			
Total Metals by SW 846 Series Methods - cont.										
Magnesium	**2690**		20.2	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Manganese	**733**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Nickel	**13.7**		5.05	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Potassium	**405**		30.3	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Vanadium	**5.23**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Zinc	**80.8**		2.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:19	JRR	10H1323	Dry Weight
Client ID: TP-21 (15-17) (RTH1004-04 - Solid)					**Sampled: 08/16/10 11:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Semivolatile Organics by GC/MS										
Chrysene	**110**	J	180	1.8	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Fluorene	**310**		180	4.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:21	JRR	10H1323	Dry Weight
Client ID: TP-22 (16-18) (RTH1004-05 - Solid)					**Sampled: 08/16/10 12:30**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
p-Cymene	**21**	J	28	2.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Methylene Chloride	**22**	J	28	13	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
tert-Butylbenzene	**49**		28	2.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Toluene	**15**	J	28	2.1	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/19/10 13:23	JRR	10H1323	Dry Weight
Client ID: TP-23 (8-10) (RTH1004-06 - Solid)					**Sampled: 08/16/10 13:45**		**Recvd: 08/18/10 12:15**			
Volatile Organic Compounds by EPA 8260B										
Acetone	**45**		27	4.5	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methylcyclohexane	**240**		5.4	0.82	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methylene Chloride	**4.8**	J	5.4	2.5	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
n-Butylbenzene	**14**		5.4	0.47	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
sec-Butylbenzene	**11**		5.4	0.47	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
tert-Butylbenzene	**6.8**		5.4	0.56	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**29**	J	190	3.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	**77**	J	190	60	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Chrysene	**60**	J	190	1.9	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Naphthalene	**42**	J	190	3.1	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pyrene	**48**	J	190	1.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-23 (8-10) (RTH1004-06 - Solid) - cont.						**Sampled: 08/16/10 13:45**		**Recvd: 08/18/10 12:15**		
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:25	JRR	10H1323	Dry Weight
Client ID: TP-23 (8-10) (RTH1004-06RE1 - Solid)						**Sampled: 08/16/10 13:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
p-Cymene	**21**	J	28	2.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Acetone	**70**	J	140	23	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methylcyclohexane	**110**		28	4.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methylene Chloride	**46**		28	13	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
n-Butylbenzene	**27**	J	28	2.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
sec-Butylbenzene	**24**	J	28	2.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
tert-Butylbenzene	**13**	J	28	2.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Client ID: TP-24 (15-17) (RTH1004-08 - Solid)						**Sampled: 08/16/10 14:50**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
Methylcyclohexane	**7300**	D02, W1	210	99	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
sec-Butylbenzene	**390**	D02, W1	210	78	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
tert-Butylbenzene	**430**	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	**170**	J	180	3.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(ghi)perylene	**170**	J	180	2.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Chrysene	**380**		180	1.8	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Phenanthrene	**2100**		180	3.7	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:29	JRR	10H1323	Dry Weight

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Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
BLIND 1	RTH1006-06	Solid	08/17/10 08:00	08/18/10 12:15	
NORTH PILE	RTH1006-03	Solid	08/17/10 14:10	08/18/10 12:15	
POLY PILES	RTH1006-04	Solid	08/17/10 14:20	08/18/10 12:15	
SOUTH PILE	RTH1006-05	Solid	08/17/10 14:40	08/18/10 12:15	
TP-13 (14-16)	RTH1004-07	Solid	08/16/10 14:20	08/18/10 12:15	
TP-14 (15-17)	RTH1004-13	Solid	08/17/10 12:30	08/18/10 12:15	
TP-15 (15-17)	RTH1006-02	Solid	08/17/10 13:45	08/18/10 12:15	
TP-15 (3-4)	RTH1006-01	Solid	08/17/10 13:30	08/18/10 12:15	
TP-16 (15-17)	RTH1004-12	Solid	08/17/10 11:20	08/18/10 12:15	
TP-17 (15-17)	RTH1004-11	Solid	08/17/10 10:30	08/18/10 12:15	
TP-18 (15-17)	RTH1004-10	Solid	08/17/10 09:45	08/18/10 12:15	
TP-19 (14-16)	RTH1004-09	Solid	08/16/10 15:45	08/18/10 12:15	
TP-20 (16-18)	RTH1004-01	Solid	08/16/10 10:00	08/18/10 12:15	
TP-21 (15-17)	RTH1004-04	Solid	08/16/10 11:30	08/18/10 12:15	
TP-22 (16-18)	RTH1004-05	Solid	08/16/10 12:30	08/18/10 12:15	
TP-23 (8-10)	RTH1004-06	Solid	08/16/10 13:45	08/18/10 12:15	
TP-24 (15-17)	RTH1004-08	Solid	08/16/10 14:50	08/18/10 12:15	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND 1 (RTH1006-06 - Solid)						**Sampled: 08/17/10 08:00**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	28	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	51	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2,4-Trichlorobenzene	ND	W1	100	39	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	51	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	3.9	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dichlorobenzene	ND	W1	100	26	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dichloroethane	ND	W1	100	42	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,3,5-Trimethylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,3-Dichlorobenzene	ND	W1	100	27	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,4-Dichlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
2-Butanone (MEK)	ND	W1	510	310	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
2-Hexanone	ND	W1	510	210	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	510	33	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Acetone	ND	W1	510	420	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Benzene	ND	W1	100	4.9	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Bromoform	ND	W1	100	51	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Carbon disulfide	ND	W1	100	47	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Carbon Tetrachloride	ND	W1	100	26	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Chlorodibromomethane	ND	W1	100	50	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Chloroethane	ND	W1	100	21	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Chloroform	ND	W1	100	71	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Chloromethane	ND	W1	100	24	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
cis-1,2-Dichloroethene	ND	W1	100	28	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Dichlorodifluoromethane	ND	W1	100	45	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Isopropylbenzene	ND	W1	100	15	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Methyl Acetate	ND	W1	100	49	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Methyl tert-Butyl Ether	ND	W1	100	39	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Methylcyclohexane	ND	W1	100	48	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Methylene Chloride	ND	W1	100	20	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
m-Xylene & p-Xylene	ND	W1	210	57	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
n-Butylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
o-Xylene	ND	W1	100	13	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND 1 (RTH1006-06 - Solid) - cont.						**Sampled: 08/17/10 08:00**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
tert-Butylbenzene	**84**	W1,J	100	29	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
trans-1,2-Dichloroethene	ND	W1	100	24	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
trans-1,3-Dichloropropene	ND	W1	100	4.9	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Trichlorofluoromethane	ND	W1	100	48	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Vinyl chloride	ND	W1	100	34	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Xylenes, total	ND	W1	210	17	ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
1,2-Dichloroethane-d4	*107 %*	*W1*	*Surr Limits: (53-146%)*				*08/25/10 18:06*	*DHC*	*10H1768*	*8260B*
4-Bromofluorobenzene	*99 %*	*W1*	*Surr Limits: (49-148%)*				*08/25/10 18:06*	*DHC*	*10H1768*	*8260B*
Toluene-d8	*102 %*	*W1*	*Surr Limits: (50-149%)*				*08/25/10 18:06*	*DHC*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1-ethyl-2-methyl-, trans- (004923-78-8)	**8800**	W1	Ret Time: 7.614		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Naphthalene, decahydro- (000091-17-8)	**9700**	W1	Ret Time: 9.33		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Naphthalene, decahydro-2-methyl- (01) (002958-76-1)	**6400**	W1	Ret Time: 9.859		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Naphthalene, decahydro-2-methyl- (02) (002958-76-1)	**6100**	W1	Ret Time: 10.035		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown01 (none)	**8900**	W1	Ret Time: 9.561		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown02 (none)	**8300**	W1	Ret Time: 10.352		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown03 (none)	**6000**	W1	Ret Time: 10.406		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown04 (none)	**8600**	W1	Ret Time: 10.498		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown05 (none)	**10000**	W1	Ret Time: 10.923		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Unknown06 (none)	**7600**	W1	Ret Time: 11.009		ug/kg dry	1.00	08/25/10 18:06	DHC	10H1768	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	38	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4,6-Trichlorophenol	ND		180	11	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4-Dichlorophenol	ND		180	9.1	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4-Dimethylphenol	ND		180	47	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4-Dinitrophenol	ND		340	61	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4-Dinitrotoluene	ND		180	27	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Chlorophenol	ND		180	8.9	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Methylphenol	ND		180	5.4	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Nitroaniline	ND		340	56	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2-Nitrophenol	ND		180	8.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
3,3'-Dichlorobenzidine	ND		180	150	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
3-Nitroaniline	ND		340	40	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C

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Analytical Report

Client ID: BLIND 1 (RTH1006-06 - Solid) - cont. **Sampled: 08/17/10 08:00** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND		340	60	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Bromophenyl phenyl ether	ND		180	55	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Chloro-3-methylphenol	ND		180	7.2	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Chloroaniline	ND		180	51	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Chlorophenyl phenyl ether	ND		180	3.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Methylphenol	ND		180	9.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Nitroaniline	ND		340	19	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
4-Nitrophenol	ND		340	42	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Acenaphthene	ND		180	2.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Acenaphthylene	ND		180	1.4	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Acetophenone	ND		180	8.9	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Atrazine	ND		180	7.8	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzo(a)anthracene	ND		180	3.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzo(a)pyrene	ND		180	4.2	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Benzo(k)fluoranthene	ND		180	1.9	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Bis(2-chloroethoxy)methane	ND		180	9.5	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	18	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND		180	56	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Butyl benzyl phthalate	ND		180	47	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Caprolactam	ND		180	75	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Carbazole	ND		180	2.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Chrysene	ND		180	1.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Dibenzo(a,h)anthracene	ND		180	2.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Diethyl phthalate	ND		180	5.3	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Dimethyl phthalate	ND		180	4.5	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Di-n-butyl phthalate	ND		180	60	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Di-n-octyl phthalate	ND		180	4.1	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Fluoranthene	ND		180	2.5	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Fluorene	**190**		180	4.0	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Hexachlorobenzene	ND		180	8.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Hexachlorobutadiene	ND		180	8.9	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Hexachlorocyclopentadiene	ND		180	53	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Hexachloroethane	ND		180	13	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.8	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Isophorone	ND		180	8.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Naphthalene	ND		180	2.9	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Nitrobenzene	ND		180	7.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C

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Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND 1 (RTH1006-06 - Solid) - cont.						**Sampled: 08/17/10 08:00**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
N-Nitrosodiphenylamine	ND		180	9.5	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Pentachlorophenol	ND		340	60	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Phenol	ND		180	18	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Pyrene	ND		180	1.1	ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
2,4,6-Tribromophenol	*94 %*		*Surr Limits: (39-146%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
2-Fluorobiphenyl	*86 %*		*Surr Limits: (37-120%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
2-Fluorophenol	*65 %*		*Surr Limits: (18-120%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
Nitrobenzene-d5	*76 %*		*Surr Limits: (34-132%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
Phenol-d5	*72 %*		*Surr Limits: (11-120%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
p-Terphenyl-d14	*90 %*		*Surr Limits: (58-147%)*				*08/22/10 17:24*	*MAF*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2,6,7-trimethyl- (062108-25-2)	**3400**	T7	Ret Time: 8.376		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Dodecane, 2-methyl- (001560-97-0)	**1200**	T7	Ret Time: 7.901		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Naphthalene, decahydro- (000091-17-8)	**990**	T7	Ret Time: 6.587		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
n-Nonylcyclohexane (002883-02-5)	**1300**	T7	Ret Time: 10.39		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**6000**	T7	Ret Time: 11.165		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**2300**	T7	Ret Time: 10.866		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Tetradecane, 2,6,10-trimethyl- (014905-56-7)	**1500**	T7	Ret Time: 12.014		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown01 (none)	**920**	T7, B	Ret Time: 6.25		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown02 (none)	**930**	T7	Ret Time: 7.286		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown03 (none)	**890**	T7	Ret Time: 8.02		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown04 (none)	**1200**	T7	Ret Time: 8.846		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown05 (none)	**1300**	T7	Ret Time: 8.98		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown06 (none)	**1400**	T7	Ret Time: 9.333		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown07 (none)	**1000**	T7	Ret Time: 9.674		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown08 (none)	**4300**	T7	Ret Time: 9.744		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown09 (none)	**1100**	T7	Ret Time: 10.332		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown10 (none)	**970**	T7	Ret Time: 11.117		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown11 (none)	**1200**	T7	Ret Time: 11.389		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown12 (none)	**3900**	T7	Ret Time: 11.656		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Unknown13 (none)	**1300**	T7	Ret Time: 11.769		ug/kg dry	1.00	08/22/10 17:24	MAF	10H1316	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL	1.8	0.34	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
4,4'-DDE	ND	QFL	1.8	0.26	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
4,4'-DDT	ND	QFL	1.8	0.18	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: BLIND 1 (RTH1006-06 - Solid) - cont. **Sampled: 08/17/10 08:00** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Organochlorine Pesticides by EPA Method 8081A - cont.										
Aldrin	ND	QFL	1.8	0.43	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
alpha-BHC	ND	QFL	1.8	0.32	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
beta-BHC	ND	QFL	1.8	0.19	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Chlordane	ND	QFL	18	3.9	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
delta-BHC	ND	QFL	1.8	0.23	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Dieldrin	ND	QFL	1.8	0.42	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Endosulfan I	ND	QFL	1.8	0.22	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Endosulfan II	**0.88**	QFL,J	1.8	0.32	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Endosulfan sulfate	ND	QFL	1.8	0.33	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Endrin	ND	QFL	1.8	0.24	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Endrin aldehyde	ND	QFL	1.8	0.45	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
gamma-BHC (Lindane)	ND	QFL	1.8	0.31	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Heptachlor	**0.28**	QFL,J	1.8	0.28	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Heptachlor epoxide	ND	QFL	1.8	0.45	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Methoxychlor	ND	QFL	1.8	0.24	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Toxaphene	ND	QFL	18	10	ug/kg dry	1.00	08/28/10 18:57	DGB	10H1605	8081A
Decachlorobiphenyl	*74 %*	*QFL*	*Surr Limits: (42-146%)*				*08/28/10 18:57*	*DGB*	*10H1605*	*8081A*
Tetrachloro-m-xylene	*54 %*	*QFL*	*Surr Limits: (37-136%)*				*08/28/10 18:57*	*DGB*	*10H1605*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	18	3.4	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1221 [2C]	ND	QSU	18	3.4	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1232 [2C]	ND	QSU	18	3.4	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1242 [2C]	ND	QSU	18	3.8	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1248 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1254 [2C]	ND	QSU	18	3.7	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Aroclor 1260 [2C]	ND	QSU	18	8.2	ug/kg dry	1.00	08/26/10 05:07	JxM	10H1606	8082
Decachlorobiphenyl [2C]	*58 %*	*QSU*	*Surr Limits: (34-148%)*				*08/26/10 05:07*	*JxM*	*10H1606*	*8082*
Tetrachloro-m-xylene [2C]	*49 %*	*QSU*	*Surr Limits: (35-134%)*				*08/26/10 05:07*	*JxM*	*10H1606*	*8082*
Herbicides										
2,4,5-T [2C]	ND		18	5.5	ug/kg dry	1.00	08/29/10 15:45	MAN	10H1894	8151A
2,4-D [2C]	ND		18	11	ug/kg dry	1.00	08/29/10 15:45	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		18	6.2	ug/kg dry	1.00	08/29/10 15:45	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*47 %*		*Surr Limits: (15-120%)*				*08/29/10 15:45*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**5730**		10.5	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Antimony	ND		15.7	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Arsenic	**5.7**		2.1	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Barium	**37.6**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Beryllium	ND		0.209	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Cadmium	ND		0.209	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Calcium	**30100**		52.3	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Chromium	**6.18**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Cobalt	**5.12**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Copper	**17.5**		1.0	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
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Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND 1 (RTH1006-06 - Solid) - cont.						**Sampled: 08/17/10 08:00**		**Recvd: 08/18/10 12:15**		
Total Metals by SW 846 Series Methods - cont.										
Iron	**13200**	B1	10.5	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Lead	**7.7**		1.0	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Magnesium	**8170**		20.9	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Manganese	**475**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Nickel	**12.1**		5.23	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Potassium	**632**		31.4	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Selenium	ND		4.2	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Silver	ND		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Sodium	ND		146	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Thallium	ND		6.3	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Vanadium	**8.11**		0.523	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Zinc	**66.3**		2.1	NR	mg/kg dry	1.00	08/29/10 05:25	DAN	10H1801	6010B
Mercury	ND		0.0205	NR	mg/kg dry	1.00	08/23/10 15:58	DAN	10H1558	7471A
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/19/10 13:51	JRR	10H1323	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: NORTH PILE (RTH1006-03 - Solid)						**Sampled: 08/17/10 14:10**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.8	0.42	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,1,2-Trichloroethane	ND		5.8	0.75	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,1-Dichloroethane	ND		5.8	0.71	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,1-Dichloroethene	ND		5.8	0.71	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dibromo-3-chloropropane	ND		5.8	2.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dibromoethane	ND		5.8	0.74	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dichlorobenzene	ND		5.8	0.45	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dichloroethane	ND		5.8	0.29	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dichloropropane	ND		5.8	2.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,3,5-Trimethylbenzene	ND		5.8	0.37	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,3-Dichlorobenzene	ND		5.8	0.30	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,4-Dichlorobenzene	ND		5.8	0.81	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
2-Butanone	ND		29	2.1	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
2-Hexanone	ND		29	2.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
p-Cymene	ND		5.8	0.46	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
4-Methyl-2-pentanone	ND		29	1.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Acetone	ND		29	4.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Benzene	ND		5.8	0.28	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Bromodichloromethane	ND		5.8	0.78	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Bromoform	ND		5.8	2.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Bromomethane	ND		5.8	0.52	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Carbon disulfide	ND		5.8	2.9	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Carbon Tetrachloride	ND		5.8	0.56	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Chlorobenzene	ND		5.8	0.77	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Dibromochloromethane	ND		5.8	0.74	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Chloroethane	ND		5.8	1.3	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Chloroform	ND		5.8	0.36	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Chloromethane	ND		5.8	0.35	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Cyclohexane	ND		5.8	0.81	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Dichlorodifluoromethane	ND		5.8	0.48	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Ethylbenzene	ND		5.8	0.40	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Isopropylbenzene	ND		5.8	0.87	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Methyl Acetate	ND		5.8	1.1	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.8	0.57	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Methylcyclohexane	ND		5.8	0.88	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Methylene Chloride	**13**		5.8	2.7	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
m-Xylene & p-Xylene	ND		12	0.97	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
n-Butylbenzene	ND		5.8	0.50	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
n-Propylbenzene	ND		5.8	0.46	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
o-Xylene	ND		5.8	0.76	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
sec-Butylbenzene	ND		5.8	0.50	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Styrene	ND		5.8	0.29	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B

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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: NORTH PILE (RTH1006-03 - Solid) - cont.						**Sampled: 08/17/10 14:10**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.8	0.60	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Tetrachloroethene	ND		5.8	0.78	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Toluene	ND		5.8	0.44	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Trichloroethene	ND		5.8	1.3	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Trichlorofluoromethane	ND		5.8	0.55	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Vinyl chloride	ND		5.8	0.71	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Xylenes, total	ND		12	0.97	ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
1,2-Dichloroethane-d4	*120 %*		*Surr Limits: (64-126%)*				*08/26/10 16:33*	*PJQ*	*10H1848*	*8260B*
4-Bromofluorobenzene	*110 %*		*Surr Limits: (72-126%)*				*08/26/10 16:33*	*PJQ*	*10H1848*	*8260B*
Toluene-d8	*116 %*		*Surr Limits: (71-125%)*				*08/26/10 16:33*	*PJQ*	*10H1848*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/26/10 16:33	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	990	210	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4,6-Trichlorophenol	ND	D02	990	65	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4-Dichlorophenol	ND	D02	990	51	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4-Dimethylphenol	ND	D02	990	260	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4-Dinitrophenol	ND	D02	1900	340	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4-Dinitrotoluene	ND	D02	990	150	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,6-Dinitrotoluene	ND	D02	990	240	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Chloronaphthalene	ND	D02	990	66	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Chlorophenol	ND	D02	990	50	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Methylnaphthalene	ND	D02	990	12	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Methylphenol	ND	D02	990	30	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Nitroaniline	ND	D02	1900	310	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2-Nitrophenol	ND	D02	990	45	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
3,3'-Dichlorobenzidine	ND	D02	990	860	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
3-Nitroaniline	ND	D02	1900	230	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4,6-Dinitro-2-methylphenol	ND	D02	1900	340	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Bromophenyl phenyl ether	ND	D02	990	310	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Chloro-3-methylphenol	ND	D02	990	40	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Chloroaniline	ND	D02	990	290	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Chlorophenyl phenyl ether	ND	D02	990	21	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Methylphenol	ND	D02	990	55	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Nitroaniline	ND	D02	1900	110	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
4-Nitrophenol	ND	D02	1900	240	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Acenaphthene	ND	D02	990	12	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Acenaphthylene	ND	D02	990	8.0	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Acetophenone	ND	D02	990	50	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Anthracene	ND	D02	990	25	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Atrazine	ND	D02	990	44	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzaldehyde	ND	D02	990	110	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(a)anthracene	**280**	D02,J	990	17	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: NORTH PILE (RTH1006-03 - Solid) - cont. **Sampled: 08/17/10 14:10** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	**290**	D02,J	990	24	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(b)fluoranthene	**330**	D02,J	990	19	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(ghi)perylene	**400**	D02,J	990	12	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Benzo(k)fluoranthene	ND	D02	990	11	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Biphenyl	ND	D02	990	61	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Bis(2-chloroethoxy)methane	ND	D02	990	53	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Bis(2-chloroethyl)ether	ND	D02	990	85	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	990	100	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	990	320	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Butyl benzyl phthalate	ND	D02	990	260	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Caprolactam	ND	D02	990	420	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Carbazole	ND	D02	990	11	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Chrysene	**320**	D02,J	990	9.8	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Dibenzo(a,h)anthracene	ND	D02	990	12	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Dibenzofuran	ND	D02	990	10	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Diethyl phthalate	ND	D02	990	30	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Dimethyl phthalate	ND	D02	990	26	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Di-n-butyl phthalate	ND	D02	990	340	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Di-n-octyl phthalate	ND	D02	990	23	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Fluoranthene	**480**	D02,J	990	14	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Fluorene	ND	D02	990	23	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Hexachlorobenzene	ND	D02	990	49	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Hexachlorobutadiene	ND	D02	990	50	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Hexachlorocyclopentadiene	ND	D02	990	300	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Hexachloroethane	ND	D02	990	76	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**210**	D02,J	990	27	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Isophorone	ND	D02	990	49	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Naphthalene	ND	D02	990	16	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Nitrobenzene	ND	D02	990	43	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
N-Nitrosodi-n-propylamine	ND	D02	990	78	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
N-Nitrosodiphenylamine	ND	D02	990	54	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Pentachlorophenol	ND	D02	1900	340	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Phenanthrene	**180**	D02,J	990	21	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Phenol	ND	D02	990	100	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
Pyrene	**380**	D02,J	990	6.3	ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C
2,4,6-Tribromophenol	*79 %*	*D02*	*Surr Limits: (39-146%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
2-Fluorobiphenyl	*92 %*	*D02*	*Surr Limits: (37-120%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
2-Fluorophenol	*70 %*	*D02*	*Surr Limits: (18-120%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
Nitrobenzene-d5	*74 %*	*D02*	*Surr Limits: (34-132%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
Phenol-d5	*78 %*	*D02*	*Surr Limits: (11-120%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
p-Terphenyl-d14	*90 %*	*D02*	*Surr Limits: (58-147%)*				*08/22/10 16:13*	*MAF*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Nonadecane (000629-92-5)	**780**	T7	Ret Time: 12.041		ug/kg dry	5.00	08/22/10 16:13	MAF	10H1316	8270C

General Chemistry Parameters

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: NORTH PILE (RTH1006-03 - Solid) - cont.						**Sampled: 08/17/10 14:10**		**Recvd: 08/18/10 12:15**		
Percent Solids	**86**		0.010	NR	%	1.00	08/19/10 13:45	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: POLY PILES (RTH1006-04 - Solid)						**Sampled: 08/17/10 14:20**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.6	0.40	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,1,2,2-Tetrachloroethane	ND		5.6	0.90	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,1,2-Trichloroethane	ND		5.6	0.72	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,1-Dichloroethane	ND		5.6	0.68	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,1-Dichloroethene	ND		5.6	0.68	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2,4-Trimethylbenzene	ND		5.6	1.1	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dibromo-3-chloropropane	ND		5.6	2.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dibromoethane	ND		5.6	0.71	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dichlorobenzene	ND		5.6	0.43	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dichloroethane	ND		5.6	0.28	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dichloropropane	ND		5.6	2.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,3,5-Trimethylbenzene	ND		5.6	0.36	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,3-Dichlorobenzene	ND		5.6	0.29	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,4-Dichlorobenzene	ND		5.6	0.78	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
2-Butanone	ND		28	2.0	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
2-Hexanone	ND		28	2.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
p-Cymene	ND		5.6	0.45	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
4-Methyl-2-pentanone	ND		28	1.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Acetone	ND		28	4.7	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Benzene	ND		5.6	0.27	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Bromodichloromethane	ND		5.6	0.74	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Bromoform	ND		5.6	2.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Bromomethane	ND		5.6	0.50	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Carbon disulfide	ND		5.6	2.8	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Carbon Tetrachloride	ND		5.6	0.54	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Chlorobenzene	ND		5.6	0.73	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Dibromochloromethane	ND		5.6	0.71	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Chloroethane	ND		5.6	1.3	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Chloroform	ND		5.6	0.34	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Chloromethane	ND		5.6	0.34	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
cis-1,2-Dichloroethene	ND		5.6	0.71	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
cis-1,3-Dichloropropene	ND		5.6	0.80	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Cyclohexane	ND		5.6	0.78	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Dichlorodifluoromethane	ND		5.6	0.46	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Ethylbenzene	ND		5.6	0.38	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Isopropylbenzene	ND		5.6	0.84	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Methyl Acetate	ND		5.6	1.0	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.6	0.55	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Methylcyclohexane	ND		5.6	0.84	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Methylene Chloride	**5.9**		5.6	2.6	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
m-Xylene & p-Xylene	ND		11	0.93	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
n-Butylbenzene	ND		5.6	0.48	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
n-Propylbenzene	ND		5.6	0.44	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
o-Xylene	ND		5.6	0.73	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
sec-Butylbenzene	ND		5.6	0.48	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Styrene	ND		5.6	0.28	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B

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Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: POLY PILES (RTH1006-04 - Solid) - cont.						**Sampled: 08/17/10 14:20**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.6	0.58	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Tetrachloroethene	ND		5.6	0.75	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Toluene	ND		5.6	0.42	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
trans-1,2-Dichloroethene	ND		5.6	0.57	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
trans-1,3-Dichloropropene	ND		5.6	2.4	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Trichloroethene	ND		5.6	1.2	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Trichlorofluoromethane	ND		5.6	0.53	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Vinyl chloride	ND		5.6	0.68	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Xylenes, total	ND		11	0.93	ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
1,2-Dichloroethane-d4	*115 %*		*Surr Limits: (64-126%)*				*08/26/10 16:58*	*PJQ*	*10H1848*	*8260B*
4-Bromofluorobenzene	*111 %*		*Surr Limits: (72-126%)*				*08/26/10 16:58*	*PJQ*	*10H1848*	*8260B*
Toluene-d8	*119 %*		*Surr Limits: (71-125%)*				*08/26/10 16:58*	*PJQ*	*10H1848*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Unknown01 (none)	**8.9**		Ret Time: 10.332		ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Unknown02 (none)	**6.3**		Ret Time: 11.19		ug/kg dry	1.00	08/26/10 16:58	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	950	210	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4,6-Trichlorophenol	ND	D02	950	62	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4-Dichlorophenol	ND	D02	950	49	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4-Dimethylphenol	ND	D02	950	250	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4-Dinitrophenol	ND	D02	1800	330	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4-Dinitrotoluene	ND	D02	950	150	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,6-Dinitrotoluene	ND	D02	950	230	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Chloronaphthalene	ND	D02	950	63	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Chlorophenol	ND	D02	950	48	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Methylnaphthalene	ND	D02	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Methylphenol	ND	D02	950	29	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Nitroaniline	ND	D02	1800	300	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2-Nitrophenol	ND	D02	950	43	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
3,3'-Dichlorobenzidine	ND	D02	950	820	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
3-Nitroaniline	ND	D02	1800	220	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4,6-Dinitro-2-methylphenol	ND	D02	1800	320	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Bromophenyl phenyl ether	ND	D02	950	300	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Chloro-3-methylphenol	ND	D02	950	39	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Chloroaniline	ND	D02	950	280	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Chlorophenyl phenyl ether	ND	D02	950	20	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Methylphenol	ND	D02	950	52	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Nitroaniline	ND	D02	1800	110	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
4-Nitrophenol	ND	D02	1800	230	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Acenaphthene	ND	D02	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Acenaphthylene	ND	D02	950	7.7	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Acetophenone	ND	D02	950	48	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Anthracene	ND	D02	950	24	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Atrazine	ND	D02	950	42	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: POLY PILES (RTH1006-04 - Solid) - cont. **Sampled: 08/17/10 14:20** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzaldehyde	ND	D02	950	100	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(a)anthracene	**100**	D02,J	950	16	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(a)pyrene	ND	D02	950	23	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(b)fluoranthene	ND	D02	950	18	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(ghi)perylene	**150**	D02,J	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Benzo(k)fluoranthene	ND	D02	950	10	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Biphenyl	ND	D02	950	59	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Bis(2-chloroethoxy)methane	ND	D02	950	51	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Bis(2-chloroethyl)ether	ND	D02	950	81	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	950	98	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	950	300	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Butyl benzyl phthalate	ND	D02	950	250	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Caprolactam	ND	D02	950	410	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Carbazole	ND	D02	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Chrysene	**130**	D02,J	950	9.4	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Dibenzo(a,h)anthracene	ND	D02	950	11	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Dibenzofuran	ND	D02	950	9.8	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Diethyl phthalate	ND	D02	950	28	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Dimethyl phthalate	ND	D02	950	25	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Di-n-butyl phthalate	ND	D02	950	330	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Di-n-octyl phthalate	ND	D02	950	22	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Fluoranthene	**150**	D02,J	950	14	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Fluorene	ND	D02	950	22	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Hexachlorobenzene	ND	D02	950	47	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Hexachlorobutadiene	ND	D02	950	48	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Hexachlorocyclopentadiene	ND	D02	950	280	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Hexachloroethane	ND	D02	950	73	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**100**	D02,J	950	26	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Isophorone	ND	D02	950	47	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Naphthalene	ND	D02	950	16	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Nitrobenzene	ND	D02	950	42	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
N-Nitrosodi-n-propylamine	ND	D02	950	75	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
N-Nitrosodiphenylamine	ND	D02	950	51	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Pentachlorophenol	ND	D02	1800	320	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Phenanthrene	**140**	D02,J	950	20	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Phenol	ND	D02	950	99	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Pyrene	**140**	D02,J	950	6.1	ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
2,4,6-Tribromophenol	*89 %*	*D02*	*Surr Limits: (39-146%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
2-Fluorobiphenyl	*90 %*	*D02*	*Surr Limits: (37-120%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
2-Fluorophenol	*68 %*	*D02*	*Surr Limits: (18-120%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
Nitrobenzene-d5	*67 %*	*D02*	*Surr Limits: (34-132%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
Phenol-d5	*77 %*	*D02*	*Surr Limits: (11-120%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
p-Terphenyl-d14	*88 %*	*D02*	*Surr Limits: (58-147%)*				*08/22/10 16:37*	*MAF*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**1200**	T7, B	Ret Time: 10.85		ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C

Benchmark Environmental & Engineering Science
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Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: POLY PILES (RTH1006-04 - Solid) - cont.						**Sampled: 08/17/10 14:20**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics TICs by GC/MS - cont.										
Unknown02 (none)	**1400**	T7	Ret Time: 11.149		ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Unknown03 (none)	**780**	T7	Ret Time: 11.608		ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Unknown04 (none)	**1100**	T7	Ret Time: 11.65		ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
Unknown05 (none)	**920**	T7	Ret Time: 12.041		ug/kg dry	5.00	08/22/10 16:37	MAF	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:47	JRR	10H1323	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SOUTH PILE (RTH1006-05 - Solid)						**Sampled: 08/17/10 14:40**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.5	0.40	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,1,2,2-Tetrachloroethane	ND	N1	5.5	0.89	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,1,2-Trichloroethane	ND		5.5	0.71	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,1-Dichloroethane	ND		5.5	0.67	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,1-Dichloroethene	ND		5.5	0.67	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2,4-Trichlorobenzene	ND		5.5	0.33	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2,4-Trimethylbenzene	ND		5.5	1.1	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dibromo-3-chloropropane	ND		5.5	2.7	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dibromoethane	ND		5.5	0.71	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dichlorobenzene	ND		5.5	0.43	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dichloroethane	ND		5.5	0.28	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dichloropropane	ND		5.5	2.7	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,3,5-Trimethylbenzene	ND		5.5	0.35	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,3-Dichlorobenzene	ND		5.5	0.28	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,4-Dichlorobenzene	ND		5.5	0.77	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
2-Butanone	ND		27	2.0	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
p-Cymene	ND		5.5	0.44	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Acetone	ND		27	4.6	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Benzene	ND		5.5	0.27	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Bromodichloromethane	ND		5.5	0.74	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Bromoform	ND		5.5	2.7	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Bromomethane	ND	L	5.5	0.49	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Carbon disulfide	ND		5.5	2.7	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Carbon Tetrachloride	ND		5.5	0.53	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Chlorobenzene	ND		5.5	0.73	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Dibromochloromethane	ND		5.5	0.70	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Chloroethane	ND	L	5.5	1.2	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Chloroform	ND		5.5	0.34	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Chloromethane	ND		5.5	0.33	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
cis-1,2-Dichloroethene	ND		5.5	0.70	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Cyclohexane	ND		5.5	0.77	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Dichlorodifluoromethane	ND		5.5	0.45	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Ethylbenzene	ND		5.5	0.38	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Isopropylbenzene	ND		5.5	0.83	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Methyl Acetate	ND		5.5	1.0	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.5	0.54	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Methylcyclohexane	ND		5.5	0.84	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Methylene Chloride	**7.2**		5.5	2.5	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
m-Xylene & p-Xylene	ND		11	0.92	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
n-Butylbenzene	ND		5.5	0.48	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
n-Propylbenzene	ND		5.5	0.44	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
o-Xylene	ND		5.5	0.72	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
sec-Butylbenzene	ND		5.5	0.48	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Styrene	ND		5.5	0.27	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B

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Received: 08/18/10
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Analytical Report

Client ID: SOUTH PILE (RTH1006-05 - Solid) - cont. **Sampled: 08/17/10 14:40** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.5	0.57	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Tetrachloroethene	ND		5.5	0.74	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Toluene	ND		5.5	0.42	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Trichloroethene	ND		5.5	1.2	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Trichlorofluoromethane	ND		5.5	0.52	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Vinyl chloride	ND		5.5	0.67	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Xylenes, total	ND		11	0.92	ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
1,2-Dichloroethane-d4	*98 %*		*Surr Limits: (64-126%)*				*08/24/10 20:52*	*PJQ*	*10H1661*	*8260B*
4-Bromofluorobenzene	*108 %*		*Surr Limits: (72-126%)*				*08/24/10 20:52*	*PJQ*	*10H1661*	*8260B*
Toluene-d8	*102 %*		*Surr Limits: (71-125%)*				*08/24/10 20:52*	*PJQ*	*10H1661*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/24/10 20:52	PJQ	10H1661	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	960	210	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4,6-Trichlorophenol	ND	D02	960	63	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4-Dichlorophenol	ND	D02	960	50	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4-Dimethylphenol	ND	D02	960	260	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4-Dinitrophenol	ND	D02	1900	330	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4-Dinitrotoluene	ND	D02	960	150	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,6-Dinitrotoluene	ND	D02	960	230	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Chloronaphthalene	ND	D02	960	64	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Chlorophenol	ND	D02	960	49	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Methylnaphthalene	ND	D02	960	12	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Methylphenol	ND	D02	960	29	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Nitroaniline	ND	D02	1900	310	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2-Nitrophenol	ND	D02	960	44	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
3,3'-Dichlorobenzidine	ND	D02	960	840	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
3-Nitroaniline	ND	D02	1900	220	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4,6-Dinitro-2-methylphenol	ND	D02	1900	330	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Bromophenyl phenyl ether	ND	D02	960	300	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Chloro-3-methylphenol	ND	D02	960	39	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Chloroaniline	ND	D02	960	280	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Chlorophenyl phenyl ether	ND	D02	960	20	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Methylphenol	**380**	D02,J	960	53	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Nitroaniline	ND	D02	1900	110	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
4-Nitrophenol	ND	D02	1900	230	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Acenaphthene	ND	D02	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Acenaphthylene	ND	D02	960	7.8	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Acetophenone	ND	D02	960	49	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Anthracene	ND	D02	960	24	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Atrazine	ND	D02	960	43	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzaldehyde	ND	D02	960	100	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(a)anthracene	**220**	D02,J	960	17	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SOUTH PILE (RTH1006-05 - Solid) - cont.						**Sampled: 08/17/10 14:40**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	**270**	D02,J	960	23	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(b)fluoranthene	**250**	D02,J	960	19	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(ghi)perylene	**250**	D02,J	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Benzo(k)fluoranthene	ND	D02	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Biphenyl	ND	D02	960	60	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Bis(2-chloroethoxy)methane	ND	D02	960	52	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Bis(2-chloroethyl)ether	ND	D02	960	83	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	960	100	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	960	310	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Butyl benzyl phthalate	ND	D02	960	260	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Caprolactam	ND	D02	960	410	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Carbazole	ND	D02	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Chrysene	**240**	D02,J	960	9.6	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Dibenzo(a,h)anthracene	ND	D02	960	11	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Dibenzofuran	ND	D02	960	9.9	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Diethyl phthalate	ND	D02	960	29	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Dimethyl phthalate	ND	D02	960	25	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Di-n-butyl phthalate	ND	D02	960	330	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Di-n-octyl phthalate	ND	D02	960	22	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Fluoranthene	**390**	D02,J	960	14	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Fluorene	ND	D02	960	22	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Hexachlorobenzene	ND	D02	960	47	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Hexachlorobutadiene	ND	D02	960	49	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Hexachlorocyclopentadiene	ND	D02	960	290	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Hexachloroethane	ND	D02	960	74	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Indeno(1,2,3-cd)pyrene	**150**	D02,J	960	26	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Isophorone	ND	D02	960	48	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Naphthalene	ND	D02	960	16	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Nitrobenzene	ND	D02	960	42	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
N-Nitrosodi-n-propylamine	ND	D02	960	76	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
N-Nitrosodiphenylamine	ND	D02	960	52	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Pentachlorophenol	ND	D02	1900	330	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Phenanthrene	**250**	D02,J	960	20	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Phenol	ND	D02	960	100	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
Pyrene	**390**	D02,J	960	6.2	ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
2,4,6-Tribromophenol	*83 %*	*D02*	*Surr Limits: (39-146%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
2-Fluorobiphenyl	*87 %*	*D02*	*Surr Limits: (37-120%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
2-Fluorophenol	*64 %*	*D02*	*Surr Limits: (18-120%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
Nitrobenzene-d5	*68 %*	*D02*	*Surr Limits: (34-132%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
Phenol-d5	*76 %*	*D02*	*Surr Limits: (11-120%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
p-Terphenyl-d14	*87 %*	*D02*	*Surr Limits: (58-147%)*				*08/22/10 17:00*	*MAF*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**920**	T7, B	Ret Time: 15.866		ug/kg dry	5.00	08/22/10 17:00	MAF	10H1316	8270C
General Chemistry Parameters										

Benchmark Environmental & Engineering Science
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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SOUTH PILE (RTH1006-05 - Solid) - cont.						**Sampled: 08/17/10 14:40**		**Recvd: 08/18/10 12:15**		
Percent Solids	**87**		0.010	NR	%	1.00	08/19/10 13:49	JRR	10H1323	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-13 (14-16) (RTH1004-07 - Solid)						**Sampled: 08/16/10 14:20**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	W1	100	17	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,1,2-Trichloroethane	ND	W1	100	22	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	100	52	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,1-Dichloroethane	ND	W1	100	32	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,1-Dichloroethene	ND	W1	100	36	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2,4-Trichlorobenzene	ND	W1	100	40	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2,4-Trimethylbenzene	ND	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	W1	100	52	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	W1	100	4.0	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dichlorobenzene	ND	W1	100	27	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dichloroethane	ND	W1	100	43	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dichloropropane	ND	W1	100	17	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,3,5-Trimethylbenzene	ND	W1	100	32	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,3-Dichlorobenzene	ND	W1	100	28	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,3-Dichloropropane	ND	W1	100	19	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,4-Dichlorobenzene	ND	W1	100	15	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
2-Butanone (MEK)	ND	W1	520	310	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
2-Hexanone	ND	W1	520	210	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
4-Isopropyltoluene	ND	W1	100	35	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	520	33	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Acetone	ND	W1	520	430	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Benzene	ND	W1	100	5.0	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Bromodichloromethane	ND	W1	100	21	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Bromoform	ND	W1	100	52	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Bromomethane	ND	W1	100	23	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Carbon disulfide	ND	W1	100	48	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Carbon Tetrachloride	ND	W1	100	27	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Chlorobenzene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Chlorodibromomethane	ND	W1	100	51	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Chloroethane	ND	W1	100	22	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Chloroform	ND	W1	100	72	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Chloromethane	ND	W1	100	25	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
cis-1,2-Dichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
cis-1,3-Dichloropropene	ND	W1	100	25	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Cyclohexane	ND	W1	100	23	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Dichlorodifluoromethane	ND	W1	100	46	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Ethylbenzene	ND	W1	100	30	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Isopropylbenzene	ND	W1	100	16	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Methyl Acetate	ND	W1	100	50	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Methyl tert-Butyl Ether	ND	W1	100	40	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Methylcyclohexane	ND	W1	100	49	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Methylene Chloride	ND	W1	100	21	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
n-Butylbenzene	ND	W1	100	31	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
n-Propylbenzene	ND	W1	100	27	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
o-Xylene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B

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Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-13 (14-16) (RTH1004-07 - Solid) - cont.						**Sampled: 08/16/10 14:20**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	100	38	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Styrene	ND	W1	100	25	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
tert-Butylbenzene	**110**	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Tetrachloroethene	ND	W1	100	14	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Toluene	ND	W1	100	28	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
trans-1,2-Dichloroethene	ND	W1	100	25	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
trans-1,3-Dichloropropene	ND	W1	100	5.0	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Trichloroethene	ND	W1	100	29	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Trichlorofluoromethane	ND	W1	100	49	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Vinyl chloride	ND	W1	100	35	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1,2-Dichloroethane-d4	*98 %*	*W1*	*Surr Limits: (53-146%)*				*08/25/10 19:28*	*NMD*	*10H1768*	*8260B*
4-Bromofluorobenzene	*49 %*	*W1*	*Surr Limits: (49-148%)*				*08/25/10 19:28*	*NMD*	*10H1768*	*8260B*
Toluene-d8	*54 %*	*W1*	*Surr Limits: (50-149%)*				*08/25/10 19:28*	*NMD*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (01) (003728-56-1)	**5600**		Ret Time: 7.365		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
1-Ethyl-4-methylcyclohexane (02) (003728-56-1)	**9100**		Ret Time: 7.614		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**6000**		Ret Time: 6.945		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**17000**		Ret Time: 6.008		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Cyclohexane, 1-ethyl-1-methyl- (004926-90-3)	**15000**		Ret Time: 8.405		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**5800**		Ret Time: 9.33		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Unknown01 (none)	**6900**		Ret Time: 7.809		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Unknown02 (none)	**5500**		Ret Time: 7.864		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Unknown03 (none)	**7100**		Ret Time: 7.985		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Unknown04 (none)	**7000**		Ret Time: 8.454		ug/kg dry	1.00	08/25/10 19:28	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.0	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C

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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-13 (14-16) (RTH1004-07 - Solid) - cont. **Sampled: 08/16/10 14:20** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Methylphenol	**38**	J	180	9.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-13 (14-16) (RTH1004-07 - Solid) - cont. **Sampled: 08/16/10 14:20** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
2,4,6-Tribromophenol	*106 %*		*Surr Limits: (39-146%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*98 %*		*Surr Limits: (37-120%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*82 %*		*Surr Limits: (18-120%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*94 %*		*Surr Limits: (34-132%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*90 %*		*Surr Limits: (11-120%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*94 %*		*Surr Limits: (58-147%)*				*08/21/10 17:24*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Cyclohexane, octyl- (001795-15-9)	**900**	T7	Ret Time: 9.725		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexacosane (630-01-3)	**1600**	T7	Ret Time: 12.722		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**6300**	T7	Ret Time: 11.669		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
n-Nonylcyclohexane (002883-02-5)	**1300**	T7	Ret Time: 10.398		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**9200**	T7	Ret Time: 11.178		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown01 (none)	**690**	T7	Ret Time: 6.861		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown02 (none)	**1400**	T7	Ret Time: 8.379		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown03 (none)	**660**	T7	Ret Time: 9.335		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown04 (none)	**1600**	T7	Ret Time: 9.746		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown05 (none)	**910**	T7	Ret Time: 10.334		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown06 (none)	**830**	T7	Ret Time: 10.66		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown07 (none)	**4100**	T7	Ret Time: 10.873		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown08 (none)	**750**	T7	Ret Time: 11.124		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown09 (none)	**900**	T7	Ret Time: 11.205		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown10 (none)	**750**	T7	Ret Time: 11.365		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown11 (none)	**1100**	T7	Ret Time: 11.397		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown12 (none)	**1500**	T7	Ret Time: 11.782		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown13 (none)	**2600**	T7	Ret Time: 12.027		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown14 (none)	**870**	T7	Ret Time: 12.22		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
Unknown15 (none)	**1300**	T7	Ret Time: 12.519		ug/kg dry	1.00	08/21/10 17:24	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	08/19/10 13:27	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-14 (15-17) (RTH1004-13 - Solid) **Sampled: 08/17/10 12:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		28	2.0	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,1,2,2-Tetrachloroethane	ND		28	4.5	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,1,2-Trichloroethane	ND		28	3.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28	6.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,1-Dichloroethane	ND		28	3.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,1-Dichloroethene	ND		28	3.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2,4-Trichlorobenzene	ND		28	1.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2,4-Trimethylbenzene	ND		28	5.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dibromo-3-chloropropane	ND		28	14	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dibromoethane	ND		28	3.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dichlorobenzene	ND		28	2.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dichloroethane	ND		28	1.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dichloropropane	ND		28	14	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,3,5-Trimethylbenzene	ND		28	1.8	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,3-Dichlorobenzene	ND		28	1.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,4-Dichlorobenzene	ND		28	3.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
2-Butanone	ND		140	10	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
2-Hexanone	ND		140	14	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
p-Cymene	ND		28	2.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
4-Methyl-2-pentanone	ND		140	9.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Acetone	**47**	J	140	24	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Benzene	ND		28	1.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Bromodichloromethane	ND		28	3.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Bromoform	ND		28	14	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Bromomethane	ND		28	2.5	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Carbon disulfide	ND		28	14	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Carbon Tetrachloride	ND		28	2.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Chlorobenzene	ND		28	3.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Dibromochloromethane	ND		28	3.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Chloroethane	ND		28	6.3	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Chloroform	ND		28	1.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Chloromethane	ND		28	1.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
cis-1,2-Dichloroethene	ND		28	3.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
cis-1,3-Dichloropropene	ND		28	4.0	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Cyclohexane	ND		28	3.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Dichlorodifluoromethane	ND		28	2.3	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Ethylbenzene	ND		28	1.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Isopropylbenzene	ND		28	4.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Methyl Acetate	ND		28	5.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Methyl-t-Butyl Ether (MTBE)	ND		28	2.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Methylcyclohexane	ND		28	4.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Methylene Chloride	**55**		28	13	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
m-Xylene & p-Xylene	ND		56	4.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
n-Butylbenzene	ND		28	2.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
n-Propylbenzene	ND		28	2.2	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
o-Xylene	ND		28	3.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
sec-Butylbenzene	**24**	J	28	2.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Styrene	ND		28	1.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-14 (15-17) (RTH1004-13 - Solid) - cont.						**Sampled: 08/17/10 12:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**36**		28	2.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Tetrachloroethene	ND		28	3.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Toluene	**16**	J	28	2.1	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
trans-1,2-Dichloroethene	ND		28	2.9	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
trans-1,3-Dichloropropene	ND		28	12	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Trichloroethene	ND		28	6.1	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Trichlorofluoromethane	ND		28	2.6	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Vinyl chloride	ND		28	3.4	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Xylenes, total	ND		56	4.7	ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
1,2-Dichloroethane-d4	*94 %*		*Surr Limits: (64-126%)*				*08/20/10 22:18*	*PJQ*	*10H1413*	*8260B*
4-Bromofluorobenzene	*83 %*		*Surr Limits: (72-126%)*				*08/20/10 22:18*	*PJQ*	*10H1413*	*8260B*
Toluene-d8	*78 %*		*Surr Limits: (71-125%)*				*08/20/10 22:18*	*PJQ*	*10H1413*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Heptane, 2,5-dimethyl- (002216-30-0)	**1200**		Ret Time: 7.752		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Naphthalene, decahydro- (000091-17-8)	**2400**		Ret Time: 11.165		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
trans-Decalin, 2-methyl- (1000152-47-3)	**890**		Ret Time: 11.695		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown01 (none)	**1500**		Ret Time: 9.079		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown02 (none)	**2100**		Ret Time: 9.121		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown03 (none)	**1700**		Ret Time: 9.218		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown04 (none)	**2300**		Ret Time: 9.328		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown05 (none)	**2300**		Ret Time: 9.383		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown06 (none)	**1200**		Ret Time: 9.48		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Unknown07 (none)	**1100**		Ret Time: 11.366		ug/kg dry	1.00	08/20/10 22:18	PJQ	10H1413	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	41	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		190	9.8	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		190	46	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Chlorophenol	ND		190	9.5	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Methylnaphthalene	ND		190	2.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Nitroaniline	ND		360	60	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2-Nitrophenol	ND		190	8.5	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
3-Nitroaniline	ND		360	43	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		190	7.7	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-14 (15-17) (RTH1004-13 - Solid) - cont. **Sampled: 08/17/10 12:30** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloroaniline	ND		190	55	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		190	4.0	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Methylphenol	ND		190	10	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Acetophenone	ND		190	9.6	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Anthracene	ND		190	4.8	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Atrazine	ND		190	8.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		190	2.1	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		190	60	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Caprolactam	ND		190	81	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Carbazole	ND		190	2.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Chrysene	ND		190	1.9	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Dimethyl phthalate	ND		190	4.9	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		190	4.4	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Fluorene	**160**	J	190	4.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Hexachlorobenzene	ND		190	9.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Isophorone	ND		190	9.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Nitrobenzene	ND		190	8.3	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Pentachlorophenol	ND		360	64	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-14 (15-17) (RTH1004-13 - Solid) - cont. **Sampled: 08/17/10 12:30** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Phenol	ND		190	20	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
2,4,6-Tribromophenol	*107 %*		*Surr Limits: (39-146%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*98 %*		*Surr Limits: (37-120%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*78 %*		*Surr Limits: (18-120%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*90 %*		*Surr Limits: (34-132%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*89 %*		*Surr Limits: (11-120%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*87 %*		*Surr Limits: (58-147%)*				*08/21/10 19:47*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
2,6-Dimethyldecane (013150-81-7)	**1600**	T7	Ret Time: 7.155		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Decane, 2,6,7-trimethyl- (062108-25-2)	**15000**	T7	Ret Time: 8.384		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Dodecane, 2-methyl- (001560-97-0)	**1800**	T7	Ret Time: 12.02		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**5600**	T7	Ret Time: 11.664		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**9600**	T7	Ret Time: 11.173		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Undecane, 2,6-dimethyl- (017301-23-4)	**3400**	T7	Ret Time: 7.909		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown01 (none)	**2200**	T7	Ret Time: 7.3		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown02 (none)	**2900**	T7	Ret Time: 8.026		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown03 (none)	**2200**	T7	Ret Time: 8.181		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown04 (none)	**2000**	T7	Ret Time: 8.32		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown05 (none)	**2800**	T7	Ret Time: 8.432		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown06 (none)	**2900**	T7	Ret Time: 8.576		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown07 (none)	**2900**	T7	Ret Time: 8.598		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown08 (none)	**3500**	T7	Ret Time: 8.63		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown09 (none)	**2900**	T7	Ret Time: 8.662		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown10 (none)	**2400**	T7	Ret Time: 8.694		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown11 (none)	**2500**	T7	Ret Time: 8.721		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown12 (none)	**5600**	T7	Ret Time: 8.854		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown13 (none)	**3000**	T7	Ret Time: 9.752		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
Unknown14 (none)	**5500**	T7	Ret Time: 10.874		ug/kg dry	1.00	08/21/10 19:47	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/19/10 13:39	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (15-17) (RTH1006-02 - Solid)						**Sampled: 08/17/10 13:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		5.5	0.40	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,1,2,2-Tetrachloroethane	ND		5.5	0.90	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,1,2-Trichloroethane	ND		5.5	0.72	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,1-Dichloroethane	ND		5.5	0.67	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,1-Dichloroethene	ND		5.5	0.68	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2,4-Trichlorobenzene	ND		5.5	0.34	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2,4-Trimethylbenzene	ND		5.5	1.1	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dibromo-3-chloropropane	ND		5.5	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dibromoethane	ND		5.5	0.71	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dichlorobenzene	ND		5.5	0.43	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dichloroethane	ND		5.5	0.28	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dichloropropane	ND		5.5	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,3,5-Trimethylbenzene	ND		5.5	0.36	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,3-Dichlorobenzene	ND		5.5	0.28	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,4-Dichlorobenzene	ND		5.5	0.77	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
2-Butanone	**19**	J	28	2.0	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
2-Hexanone	ND		28	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
p-Cymene	ND		5.5	0.44	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
4-Methyl-2-pentanone	ND		28	1.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Acetone	**100**		28	4.6	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Benzene	ND		5.5	0.27	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Bromodichloromethane	ND		5.5	0.74	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Bromoform	ND		5.5	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Bromomethane	ND		5.5	0.50	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Carbon disulfide	**4.3**	J	5.5	2.8	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Carbon Tetrachloride	ND		5.5	0.53	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Chlorobenzene	ND		5.5	0.73	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Dibromochloromethane	ND		5.5	0.71	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Chloroethane	ND		5.5	1.2	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Chloroform	ND		5.5	0.34	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Chloromethane	ND		5.5	0.33	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
cis-1,2-Dichloroethene	ND		5.5	0.71	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Cyclohexane	ND		5.5	0.77	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Dichlorodifluoromethane	ND		5.5	0.46	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Ethylbenzene	ND		5.5	0.38	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Isopropylbenzene	ND		5.5	0.83	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methyl Acetate	ND		5.5	1.0	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.5	0.54	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methylcyclohexane	**60**		5.5	0.84	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Methylene Chloride	**9.0**		5.5	2.5	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
m-Xylene & p-Xylene	ND		11	0.93	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
n-Butylbenzene	ND		5.5	0.48	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
n-Propylbenzene	ND		5.5	0.44	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
o-Xylene	ND		5.5	0.72	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
sec-Butylbenzene	ND		5.5	0.48	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Styrene	ND		5.5	0.28	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B

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Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (15-17) (RTH1006-02 - Solid) - cont.						**Sampled: 08/17/10 13:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.5	0.57	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Tetrachloroethene	ND		5.5	0.74	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Toluene	ND		5.5	0.42	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Trichloroethene	ND		5.5	1.2	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Trichlorofluoromethane	ND		5.5	0.52	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Vinyl chloride	ND		5.5	0.67	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Xylenes, total	ND		11	0.93	ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
1,2-Dichloroethane-d4	*111 %*		*Surr Limits: (64-126%)*				*08/26/10 16:08*	*PJQ*	*10H1848*	*8260B*
4-Bromofluorobenzene	*101 %*		*Surr Limits: (72-126%)*				*08/26/10 16:08*	*PJQ*	*10H1848*	*8260B*
Toluene-d8	*108 %*		*Surr Limits: (71-125%)*				*08/26/10 16:08*	*PJQ*	*10H1848*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**21**		Ret Time: 12.187		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Benzene, 1-ethyl-2,3-dimethyl- (000933-98-2)	**36**		Ret Time: 11.451		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	**36**		Ret Time: 11.786		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Benzene, 2-butenyl- (001560-06-1)	**17**		Ret Time: 11.579		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**14**		Ret Time: 7.406		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**55**		Ret Time: 7.047		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**15**		Ret Time: 7.509		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Cyclohexane, ethyl- (001678-91-7)	**28**		Ret Time: 7.971		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Naphthalene, decahydro- (000091-17-8)	**14**		Ret Time: 11.159		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Unknown01 (none)	**17**		Ret Time: 12.601		ug/kg dry	1.00	08/26/10 16:08	PJQ	10H1848	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2-Nitrophenol	ND		190	8.5	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-15 (15-17) (RTH1006-02 - Solid) - cont. **Sampled: 08/17/10 13:45** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
3-Nitroaniline	ND		360	43	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Methylphenol	ND		190	10	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND		190	60	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Chrysene	ND		190	1.8	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Fluorene	**17**	J	190	4.3	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Naphthalene	**30**	J	190	3.1	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-15 (15-17) (RTH1006-02 - Solid) - cont. **Sampled: 08/17/10 13:45** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Phenanthrene	**42**	J	190	3.9	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Phenol	ND		190	19	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
2,4,6-Tribromophenol	*114 %*		*Surr Limits: (39-146%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
2-Fluorobiphenyl	*99 %*		*Surr Limits: (37-120%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
2-Fluorophenol	*73 %*		*Surr Limits: (18-120%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
Nitrobenzene-d5	*80 %*		*Surr Limits: (34-132%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
Phenol-d5	*87 %*		*Surr Limits: (11-120%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
p-Terphenyl-d14	*88 %*		*Surr Limits: (58-147%)*				*08/22/10 00:57*	*JLG*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Cyclohexane, butyl- (001678-93-9)	**240**	T7	Ret Time: 8.977		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Cyclohexane, octyl- (001795-15-9)	**350**	T7	Ret Time: 9.719		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**880**	T7	Ret Time: 11.653		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**1500**	T7	Ret Time: 11.156		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**1200**	T7	Ret Time: 10.863		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Tridecane, 2-methyl- (001560-96-9)	**280**	T7	Ret Time: 12.011		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown01 (none)	**430**	T7, B	Ret Time: 8.373		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown02 (none)	**260**	T7	Ret Time: 9.335		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown03 (none)	**240**	T7	Ret Time: 9.383		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown04 (none)	**200**	T7	Ret Time: 9.41		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown05 (none)	**190**	T7	Ret Time: 9.57		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown06 (none)	**280**	T7	Ret Time: 9.634		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown07 (none)	**1000**	T7	Ret Time: 9.736		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown08 (none)	**220**	T7	Ret Time: 9.768		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown09 (none)	**350**	T7	Ret Time: 10.28		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown10 (none)	**310**	T7	Ret Time: 10.323		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown11 (none)	**490**	T7	Ret Time: 10.393		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown12 (none)	**180**	T7	Ret Time: 10.43		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown13 (none)	**270**	T7	Ret Time: 10.542		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
Unknown14 (none)	**250**	T7	Ret Time: 11.354		ug/kg dry	1.00	08/22/10 00:57	JLG	10H1316	8270C
General Chemistry Parameters										
Percent Solids	**89**		0.010	NR	%	1.00	08/19/10 13:43	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
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Analytical Report

Client ID: TP-15 (3-4) (RTH1006-01 - Solid) **Sampled: 08/17/10 13:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1, D08	220	61	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	W1, D08	220	36	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,1,2-Trichloroethane	ND	W1, D08	220	46	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1, D08	220	110	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,1-Dichloroethane	ND	W1, D08	220	68	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,1-Dichloroethene	ND	W1, D08	220	77	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2,4-Trichlorobenzene	ND	W1, D08	220	84	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2,4-Trimethylbenzene	ND	W1, D08	220	62	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	W1, D08	220	110	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	W1, D08	220	8.4	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dichlorobenzene	ND	W1, D08	220	56	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dichloroethane	ND	W1, D08	220	90	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dichloropropane	ND	W1, D08	220	36	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,3,5-Trimethylbenzene	ND	W1, D08	220	67	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,3-Dichlorobenzene	ND	W1, D08	220	59	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,3-Dichloropropane	ND	W1, D08	220	40	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,4-Dichlorobenzene	ND	W1, D08	220	31	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
2-Butanone (MEK)	ND	W1, D08	1100	660	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
2-Hexanone	ND	W1, D08	1100	450	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
4-Isopropyltoluene	ND	W1, D08	220	75	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1, D08	1100	71	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Acetone	ND	W1, D08	1100	910	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Benzene	ND	W1, D08	220	11	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Bromodichloromethane	ND	W1, D08	220	44	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Bromoform	ND	W1, D08	220	110	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Bromomethane	ND	W1, D08	220	49	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Carbon disulfide	ND	W1, D08	220	100	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Carbon Tetrachloride	ND	W1, D08	220	56	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Chlorobenzene	ND	W1, D08	220	29	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Chlorodibromomethane	ND	W1, D08	220	110	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Chloroethane	ND	W1, D08	220	46	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Chloroform	ND	W1, D08	220	150	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Chloromethane	ND	W1, D08	220	53	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
cis-1,2-Dichloroethene	ND	W1, D08	220	61	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
cis-1,3-Dichloropropene	ND	W1, D08	220	53	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Cyclohexane	ND	W1, D08	220	49	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Dichlorodifluoromethane	ND	W1, D08	220	96	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Ethylbenzene	ND	W1, D08	220	64	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Isopropylbenzene	ND	W1, D08	220	33	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Methyl Acetate	ND	W1, D08	220	110	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Methyl tert-Butyl Ether	ND	W1, D08	220	84	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Methylcyclohexane	**32000**	W1, D08	220	100	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Methylene Chloride	ND	W1, D08	220	44	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
m-Xylene & p-Xylene	ND	W1, D08	440	120	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
n-Butylbenzene	ND	W1, D08	220	65	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
n-Propylbenzene	ND	W1, D08	220	58	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
o-Xylene	ND	W1, D08	220	29	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont.						**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**600**	W1, D08	220	81	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Styrene	ND	W1, D08	220	53	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
tert-Butylbenzene	**250**	W1, D08	220	61	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Tetrachloroethene	ND	W1, D08	220	30	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Toluene	ND	W1, D08	220	59	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
trans-1,2-Dichloroethene	ND	W1, D08	220	52	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
trans-1,3-Dichloropropene	ND	W1, D08	220	11	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Trichloroethene	ND	W1, D08	220	61	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Trichlorofluoromethane	ND	W1, D08	220	100	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Vinyl chloride	ND	W1, D08	220	74	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Xylenes, total	ND	W1, D08	440	37	ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1,2-Dichloroethane-d4	*106 %*	*W1, D08*	*Surr Limits: (53-146%)*				*08/25/10 20:13*	*NMD*	*10H1768*	*8260B*
4-Bromofluorobenzene	*66 %*	*W1, D08*	*Surr Limits: (49-148%)*				*08/25/10 20:13*	*NMD*	*10H1768*	*8260B*
Toluene-d8	*70 %*	*W1, D08*	*Surr Limits: (50-149%)*				*08/25/10 20:13*	*NMD*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Dimethylcyclohexane,c&t (000591-21-9)	**56000**	W1	Ret Time: 6.008		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**20000**	W1	Ret Time: 7.365		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**22000**	W1	Ret Time: 6.945		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Cyclohexane, 1-ethyl-1-methyl- (004926-90-3)	**17000**	W1	Ret Time: 8.405		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Octane, 2,6-dimethyl- (002051-30-1)	**16000**	W1	Ret Time: 7.742		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Unknown01 (none)	**18000**	W1	Ret Time: 6.775		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Unknown02 (none)	**28000**	W1	Ret Time: 7.614		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Unknown03 (none)	**17000**	W1	Ret Time: 7.809		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Unknown04 (none)	**25000**	W1	Ret Time: 7.857		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Unknown05 (none)	**21000**	W1	Ret Time: 7.985		ug/kg dry	2.00	08/25/10 20:13	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	40	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4-Dichlorophenol	ND		180	9.5	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4-Dinitrophenol	ND		360	64	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Chlorophenol	ND		180	9.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Nitroaniline	ND		360	58	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C

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Received: 08/18/10
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Analytical Report

Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont. **Sampled: 08/17/10 13:30** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND		360	63	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Bromophenyl phenyl ether	ND		180	58	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Chloro-3-methylphenol	ND		180	7.5	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Nitroaniline	ND		360	20	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
4-Nitrophenol	ND		360	44	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Acetophenone	ND		180	9.3	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Anthracene	ND		180	4.7	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Atrazine	ND		180	8.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzo(a)pyrene	ND		180	4.4	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Bis(2-ethylhexyl) phthalate	ND		180	59	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Butyl benzyl phthalate	ND		180	49	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Caprolactam	ND		180	79	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Di-n-butyl phthalate	ND		180	63	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Fluorene	**350**		180	4.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Hexachlorobenzene	ND		180	9.0	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Hexachlorobutadiene	ND		180	9.3	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Isophorone	ND		180	9.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Nitrobenzene	ND		180	8.1	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont.						**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
N-Nitrosodiphenylamine	ND		180	9.9	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Pentachlorophenol	ND		360	62	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Phenanthrene	**610**		180	3.8	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
2,4,6-Tribromophenol	*103 %*		*Surr Limits: (39-146%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
2-Fluorobiphenyl	*89 %*		*Surr Limits: (37-120%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
2-Fluorophenol	*69 %*		*Surr Limits: (18-120%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
Nitrobenzene-d5	*96 %*		*Surr Limits: (34-132%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
Phenol-d5	*78 %*		*Surr Limits: (11-120%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
p-Terphenyl-d14	*81 %*		*Surr Limits: (58-147%)*				*08/22/10 00:33*	*JLG*	*10H1316*	*8270C*
Semivolatile Organics TICs by GC/MS										
Cyclohexane, 1-methyl-3-propyl- (004291-80-9)	**1900**	T7	Ret Time: 5.75		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Decane, 4-methyl- (002847-72-5)	**1700**	T7	Ret Time: 6.129		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Heptylcyclohexane (005617-41-4)	**2700**	T7	Ret Time: 9.004		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Naphthalene, decahydro- (000091-17-8)	**2300**	T7	Ret Time: 6.605		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**13000**	T7	Ret Time: 11.199		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**9500**	T7	Ret Time: 10.895		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Pentadecane, 3-methyl- (002882-96-4)	**1700**	T7	Ret Time: 12.738		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Tridecane, 7-propyl- (055045-09-5)	**3000**	T7	Ret Time: 12.038		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Undecane (001120-21-4)	**7400**	T7	Ret Time: 9.773		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Undecane, 2,6-dimethyl- (017301-23-4)	**1800**	T7	Ret Time: 7.919		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown01 (none)	**2000**	T7, B	Ret Time: 5.355		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown02 (none)	**2300**	T7	Ret Time: 6.183		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown03 (none)	**2100**	T7	Ret Time: 6.268		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown04 (none)	**1900**	T7	Ret Time: 6.306		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown05 (none)	**2500**	T7	Ret Time: 6.423		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown06 (none)	**3000**	T7	Ret Time: 6.872		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown07 (none)	**3400**	T7	Ret Time: 8.4		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown08 (none)	**2600**	T7	Ret Time: 9.361		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown09 (none)	**2000**	T7	Ret Time: 10.35		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Unknown10 (none)	**2700**	T7	Ret Time: 10.419		ug/kg dry	1.00	08/22/10 00:33	JLG	10H1316	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL	1.8	0.35	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
4,4'-DDE	ND	QFL	1.8	0.27	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A

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Analytical Report

Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont. **Sampled: 08/17/10 13:30** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Organochlorine Pesticides by EPA Method 8081A - cont.										
4,4'-DDT	ND	QFL	1.8	0.18	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Aldrin	ND	QFL	1.8	0.45	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
alpha-BHC	ND	QFL	1.8	0.33	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
beta-BHC	ND	QFL	1.8	0.20	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Chlordane	ND	QFL	18	4.0	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
delta-BHC	ND	QFL	1.8	0.24	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Dieldrin	ND	QFL	1.8	0.44	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Endosulfan I	ND	QFL	1.8	0.23	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Endosulfan II	ND	QFL	1.8	0.33	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Endosulfan sulfate	ND	QFL	1.8	0.34	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Endrin	ND	QFL	1.8	0.25	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Endrin aldehyde	ND	QFL	1.8	0.46	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
gamma-BHC (Lindane)	**0.33**	QFL,J	1.8	0.32	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Heptachlor	ND	QFL	1.8	0.28	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Heptachlor epoxide	ND	QFL	1.8	0.47	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Methoxychlor	ND	QFL	1.8	0.25	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Toxaphene	ND	QFL	18	11	ug/kg dry	1.00	08/28/10 18:21	DGB	10H1605	8081A
Decachlorobiphenyl	*71 %*	*QFL*	*Surr Limits: (42-146%)*				*08/28/10 18:21*	*DGB*	*10H1605*	*8081A*
Tetrachloro-m-xylene	*54 %*	*QFL*	*Surr Limits: (37-136%)*				*08/28/10 18:21*	*DGB*	*10H1605*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1221 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1232 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1242 [2C]	ND	QSU	18	3.9	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1248 [2C]	ND	QSU	18	3.6	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1254 [2C]	ND	QSU	18	3.8	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Aroclor 1260 [2C]	ND	QSU	18	8.5	ug/kg dry	1.00	08/26/10 04:49	JxM	10H1606	8082
Decachlorobiphenyl [2C]	*58 %*	*QSU*	*Surr Limits: (34-148%)*				*08/26/10 04:49*	*JxM*	*10H1606*	*8082*
Tetrachloro-m-xylene [2C]	*53 %*	*QSU*	*Surr Limits: (35-134%)*				*08/26/10 04:49*	*JxM*	*10H1606*	*8082*
Herbicides										
2,4,5-T [2C]	ND		18	5.8	ug/kg dry	1.00	08/29/10 15:15	MAN	10H1894	8151A
2,4-D [2C]	ND		18	11	ug/kg dry	1.00	08/29/10 15:15	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		18	6.5	ug/kg dry	1.00	08/29/10 15:15	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*78 %*		*Surr Limits: (15-120%)*				*08/29/10 15:15*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**6370**		10.8	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Antimony	ND		16.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Arsenic	**5.5**		2.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Barium	**30.1**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Beryllium	ND		0.216	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Cadmium	ND		0.216	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Calcium	**824**		54.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Chromium	**6.02**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Cobalt	**4.88**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (3-4) (RTH1006-01 - Solid) - cont.						**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**		
Total Metals by SW 846 Series Methods - cont.										
Copper	**32.4**		1.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Iron	**12200**	B1	10.8	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Lead	**10.4**		1.1	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Magnesium	**1980**		21.6	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Manganese	**198**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Nickel	**13.6**		5.41	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Potassium	**491**		32.5	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Selenium	ND		4.3	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Silver	ND		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Sodium	ND		151	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Thallium	ND		6.5	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Vanadium	**9.42**		0.541	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Zinc	**68.9**		2.2	NR	mg/kg dry	1.00	08/29/10 05:11	DAN	10H1801	6010B
Mercury	**0.0420**		0.0215	NR	mg/kg dry	1.00	08/23/10 15:56	DAN	10H1558	7471A
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:41	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-15 (3-4) (RTH1006-01RE1 - Solid) **Sampled: 08/17/10 13:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	D08, W1	550	90	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,1,2-Trichloroethane	ND	D08, W1	550	120	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	D08, W1	550	280	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,1-Dichloroethane	ND	D08, W1	550	170	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,1-Dichloroethene	ND	D08, W1	550	190	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2,4-Trichlorobenzene	ND	D08, W1	550	210	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2,4-Trimethylbenzene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	D08, W1	550	280	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	D08, W1	550	21	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dichlorobenzene	ND	D08, W1	550	140	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dichloroethane	ND	D08, W1	550	230	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dichloropropane	ND	D08, W1	550	90	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,3,5-Trimethylbenzene	ND	D08, W1	550	170	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,3-Dichlorobenzene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,3-Dichloropropane	ND	D08, W1	550	100	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,4-Dichlorobenzene	ND	D08, W1	550	77	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
2-Butanone (MEK)	ND	D08, W1	2800	1600	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
2-Hexanone	ND	D08, W1	2800	1100	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
4-Isopropyltoluene	ND	D08, W1	550	190	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	D08, W1	2800	180	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Acetone	ND	D08, W1	2800	2300	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Benzene	ND	D08, W1	550	27	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Bromodichloromethane	ND	D08, W1	550	110	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Bromoform	ND	D08, W1	550	280	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Bromomethane	ND	D08, W1	550	120	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Carbon disulfide	ND	D08, W1	550	250	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Carbon Tetrachloride	ND	D08, W1	550	140	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Chlorobenzene	ND	D08, W1	550	73	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Chlorodibromomethane	ND	D08, W1	550	270	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Chloroethane	ND	D08, W1	550	120	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Chloroform	ND	D08, W1	550	380	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Chloromethane	ND	D08, W1	550	130	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
cis-1,2-Dichloroethene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
cis-1,3-Dichloropropene	ND	D08, W1	550	130	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Cyclohexane	ND	D08, W1	550	120	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Dichlorodifluoromethane	ND	D08, W1	550	240	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Ethylbenzene	ND	D08, W1	550	160	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Isopropylbenzene	ND	D08, W1	550	83	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Methyl Acetate	ND	D08, W1	550	260	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Methyl tert-Butyl Ether	ND	D08, W1	550	210	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Methylcyclohexane	**33000**	D08, W1	550	260	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Methylene Chloride	ND	D08, W1	550	110	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
m-Xylene & p-Xylene	ND	D08, W1	1100	310	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
n-Butylbenzene	ND	D08, W1	550	160	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
n-Propylbenzene	ND	D08, W1	550	140	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
o-Xylene	ND	D08, W1	550	72	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-15 (3-4) (RTH1006-01RE1 - Solid) - cont.						**Sampled: 08/17/10 13:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**610**	D08, W1	550	200	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Styrene	ND	D08, W1	550	130	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
tert-Butylbenzene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Tetrachloroethene	ND	D08, W1	550	74	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Toluene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
trans-1,2-Dichloroethene	ND	D08, W1	550	130	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
trans-1,3-Dichloropropene	ND	D08, W1	550	27	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Trichloroethene	ND	D08, W1	550	150	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Trichlorofluoromethane	ND	D08, W1	550	260	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Vinyl chloride	ND	D08, W1	550	190	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Xylenes, total	ND	D08, W1	1100	93	ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
1,2-Dichloroethane-d4	*116 %*	*D08, W1*	*Surr Limits: (53-146%)*				*08/30/10 19:13*	*TRB*	*10H1768*	*8260B*
4-Bromofluorobenzene	*75 %*	*D08, W1*	*Surr Limits: (49-148%)*				*08/30/10 19:13*	*TRB*	*10H1768*	*8260B*
Toluene-d8	*81 %*	*D08, W1*	*Surr Limits: (50-149%)*				*08/30/10 19:13*	*TRB*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-5-met (076089-59-3)	**21000**	W1	Ret Time: 10.4		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**61000**	W1	Ret Time: 6.008		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**25000**	W1	Ret Time: 8.405		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**20000**	W1	Ret Time: 9.33		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Tridecane, 7-methyl- (026730-14-3)	**22000**	W1	Ret Time: 10.924		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Unknown01 (none)	**22000**	W1	Ret Time: 7.857		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Unknown02 (none)	**27000**	W1	Ret Time: 7.985		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Unknown03 (none)	**27000**	W1	Ret Time: 9.561		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Unknown04 (none)	**22000**	W1	Ret Time: 10.352		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B
Unknown05 (none)	**33000**	W1	Ret Time: 10.492		ug/kg dry	5.00	08/30/10 19:13	TRB	10H1768	8260B

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-16 (15-17) (RTH1004-12 - Solid) **Sampled: 08/17/10 11:20** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		36	2.6	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,1,2,2-Tetrachloroethane	ND		36	5.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,1,2-Trichloroethane	ND		36	4.6	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		36	8.1	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,1-Dichloroethane	ND		36	4.3	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,1-Dichloroethene	ND		36	4.3	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2,4-Trichlorobenzene	ND		36	2.2	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2,4-Trimethylbenzene	ND		36	6.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dibromo-3-chloropropane	ND		36	18	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dibromoethane	ND		36	4.6	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dichlorobenzene	ND		36	2.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dichloroethane	ND		36	1.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dichloropropane	ND		36	18	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,3,5-Trimethylbenzene	ND		36	2.3	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,3-Dichlorobenzene	ND		36	1.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,4-Dichlorobenzene	ND		36	5.0	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
2-Butanone	ND		180	13	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
2-Hexanone	ND		180	18	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
p-Cymene	ND		36	2.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
4-Methyl-2-pentanone	ND		180	12	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Acetone	**40**	J	180	30	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Benzene	ND		36	1.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Bromodichloromethane	ND		36	4.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Bromoform	ND		36	18	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Bromomethane	ND		36	3.2	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Carbon disulfide	ND		36	18	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Carbon Tetrachloride	ND		36	3.4	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Chlorobenzene	ND		36	4.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Dibromochloromethane	ND		36	4.5	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Chloroethane	ND		36	8.0	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Chloroform	ND		36	2.2	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Chloromethane	ND		36	2.1	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
cis-1,2-Dichloroethene	ND		36	4.5	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
cis-1,3-Dichloropropene	ND		36	5.1	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Cyclohexane	ND		36	5.0	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Dichlorodifluoromethane	ND		36	2.9	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Ethylbenzene	ND		36	2.5	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Isopropylbenzene	ND		36	5.4	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Methyl Acetate	ND		36	6.6	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Methyl-t-Butyl Ether (MTBE)	ND		36	3.5	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Methylcyclohexane	ND		36	5.4	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Methylene Chloride	**76**		36	16	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
m-Xylene & p-Xylene	ND		71	6.0	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
n-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
n-Propylbenzene	ND		36	2.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
o-Xylene	ND		36	4.6	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
sec-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Styrene	ND		36	1.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-16 (15-17) (RTH1004-12 - Solid) - cont.						**Sampled: 08/17/10 11:20**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		36	3.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Tetrachloroethene	ND		36	4.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Toluene	**17**	J	36	2.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
trans-1,2-Dichloroethene	ND		36	3.7	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
trans-1,3-Dichloropropene	ND		36	16	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Trichloroethene	ND		36	7.8	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Trichlorofluoromethane	ND		36	3.4	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Vinyl chloride	ND		36	4.3	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Xylenes, total	ND		71	6.0	ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
1,2-Dichloroethane-d4	*92 %*		*Surr Limits: (64-126%)*				*08/20/10 21:53*	*PJQ*	*10H1413*	*8260B*
4-Bromofluorobenzene	*89 %*		*Surr Limits: (72-126%)*				*08/20/10 21:53*	*PJQ*	*10H1413*	*8260B*
Toluene-d8	*84 %*		*Surr Limits: (71-125%)*				*08/20/10 21:53*	*PJQ*	*10H1413*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Naphthalene, decahydro- (000091-17-8)	**2400**		Ret Time: 11.165		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown01 (none)	**1800**		Ret Time: 8.92		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown02 (none)	**2700**		Ret Time: 9.079		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown03 (none)	**4200**		Ret Time: 9.127		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown04 (none)	**3800**		Ret Time: 9.212		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown05 (none)	**4300**		Ret Time: 9.328		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown06 (none)	**3900**		Ret Time: 9.383		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown07 (none)	**6700**		Ret Time: 9.48		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown08 (none)	**1500**		Ret Time: 9.693		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Unknown09 (none)	**1900**		Ret Time: 7.87		ug/kg dry	1.00	08/20/10 21:53	PJQ	10H1413	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	38	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.2	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		340	62	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	27	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.0	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.4	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Nitroaniline	ND		340	57	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	150	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
3-Nitroaniline	ND		340	41	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		340	61	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	56	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

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Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-16 (15-17) (RTH1004-12 - Solid) - cont. **Sampled: 08/17/10 11:20** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Methylphenol	ND		180	9.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Nitroaniline	ND		340	20	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
4-Nitrophenol	ND		340	43	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.4	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Acetophenone	ND		180	9.0	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Atrazine	ND		180	7.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.0	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.2	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	1.9	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.6	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	18	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	47	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Caprolactam	ND		180	76	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Carbazole	ND		180	2.0	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.3	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.0	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	53	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Isophorone	ND		180	8.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Naphthalene	ND		180	2.9	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Nitrobenzene	ND		180	7.8	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.6	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Pentachlorophenol	ND		340	60	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-16 (15-17) (RTH1004-12 - Solid) - cont. **Sampled: 08/17/10 11:20** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Pyrene	ND		180	1.1	ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
2,4,6-Tribromophenol	*106 %*		*Surr Limits: (39-146%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*96 %*		*Surr Limits: (37-120%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*76 %*		*Surr Limits: (18-120%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*92 %*		*Surr Limits: (34-132%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*88 %*		*Surr Limits: (11-120%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*91 %*		*Surr Limits: (58-147%)*				*08/21/10 19:23*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Cyclohexane, (2-methylpropyl)- (001678-98-4)	**1300**	T7	Ret Time: 10.398		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Cyclohexane, octyl- (001795-15-9)	**1200**	T7	Ret Time: 9.73		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**3200**	T7	Ret Time: 11.664		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Naphthalene, 1,2,3,4-tetramethyl- (003031-15-0)	**960**	T7	Ret Time: 11.205		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**5200**	T7	Ret Time: 11.173		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**2100**	T7	Ret Time: 10.873		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Pentadecane, 7-methyl- (006165-40-8)	**3000**	T7	Ret Time: 9.752		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Tridecane, 7-methyl- (026730-14-3)	**2500**	T7	Ret Time: 8.384		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown01 (none)	**1000**	T7	Ret Time: 7.909		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown02 (none)	**760**	T7	Ret Time: 8.031		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown03 (none)	**710**	T7	Ret Time: 8.432		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown04 (none)	**1200**	T7	Ret Time: 8.854		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown05 (none)	**1200**	T7	Ret Time: 9.346		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown06 (none)	**840**	T7	Ret Time: 9.581		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown07 (none)	**690**	T7	Ret Time: 9.64		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown08 (none)	**980**	T7	Ret Time: 10.339		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown09 (none)	**1000**	T7	Ret Time: 11.397		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown10 (none)	**960**	T7	Ret Time: 11.776		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown11 (none)	**1300**	T7	Ret Time: 12.022		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Unknown12 (none)	**720**	T7	Ret Time: 12.51		ug/kg dry	1.00	08/21/10 19:23	JLG	10H1315	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL	1.8	0.34	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
4,4'-DDE	ND	QFL	1.8	0.27	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
4,4'-DDT	ND	QFL	1.8	0.18	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Aldrin	ND	QFL	1.8	0.44	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
alpha-BHC	ND	QFL	1.8	0.32	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
beta-BHC	ND	QFL	1.8	0.19	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Chlordane	ND	QFL	18	3.9	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-16 (15-17) (RTH1004-12 - Solid) - cont.							**Sampled: 08/17/10 11:20**		**Recvd: 08/18/10 12:15**	
Organochlorine Pesticides by EPA Method 8081A - cont.										
delta-BHC	ND	QFL	1.8	0.23	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Dieldrin	ND	QFL	1.8	0.42	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Endosulfan I	ND	QFL	1.8	0.22	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Endosulfan II	ND	QFL	1.8	0.32	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Endosulfan sulfate	ND	QFL	1.8	0.33	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Endrin	ND	QFL	1.8	0.24	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Endrin aldehyde	ND	QFL	1.8	0.45	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
gamma-BHC (Lindane)	ND	QFL	1.8	0.31	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Heptachlor	ND	QFL	1.8	0.28	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Heptachlor epoxide	ND	QFL	1.8	0.46	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Methoxychlor	ND	QFL	1.8	0.24	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Toxaphene	ND	QFL	18	10	ug/kg dry	1.00	08/28/10 17:46	DGB	10H1605	8081A
Decachlorobiphenyl	*87 %*	*QFL*	*Surr Limits: (42-146%)*				*08/28/10 17:46*	*DGB*	*10H1605*	*8081A*
Tetrachloro-m-xylene	*61 %*	*QFL*	*Surr Limits: (37-136%)*				*08/28/10 17:46*	*DGB*	*10H1605*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1221 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1232 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1242 [2C]	ND	QSU	18	3.8	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1248 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1254 [2C]	ND	QSU	18	3.7	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Aroclor 1260 [2C]	ND	QSU	18	8.3	ug/kg dry	1.00	08/26/10 04:31	JxM	10H1606	8082
Decachlorobiphenyl [2C]	*67 %*	*QSU*	*Surr Limits: (34-148%)*				*08/26/10 04:31*	*JxM*	*10H1606*	*8082*
Tetrachloro-m-xylene [2C]	*59 %*	*QSU*	*Surr Limits: (35-134%)*				*08/26/10 04:31*	*JxM*	*10H1606*	*8082*
Herbicides										
2,4,5-T [2C]	ND		18	5.6	ug/kg dry	1.00	08/29/10 14:46	MAN	10H1894	8151A
2,4-D [2C]	ND		18	11	ug/kg dry	1.00	08/29/10 14:46	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		18	6.3	ug/kg dry	1.00	08/29/10 14:46	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*65 %*		*Surr Limits: (15-120%)*				*08/29/10 14:46*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**4380**		11.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Antimony	ND		17.2	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Arsenic	**6.1**		2.3	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Barium	**31.7**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Beryllium	ND		0.230	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Cadmium	ND		0.230	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Calcium	**44400**		57.4	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Chromium	**5.04**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Cobalt	**4.10**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Copper	**15.3**		1.1	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Iron	**9890**	B1	11.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Lead	**8.5**		1.1	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Magnesium	**4200**		23.0	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-16 (15-17) (RTH1004-12 - Solid) - cont.						**Sampled: 08/17/10 11:20**		**Recvd: 08/18/10 12:15**		
Total Metals by SW 846 Series Methods - cont.										
Manganese	**539**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Nickel	**9.76**		5.74	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Potassium	**635**		34.5	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Selenium	ND		4.6	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Silver	ND		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Sodium	ND		161	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Thallium	ND		6.9	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Vanadium	**6.94**		0.574	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Zinc	**53.4**		2.3	NR	mg/kg dry	1.00	08/29/10 05:06	DAN	10H1801	6010B
Mercury	ND		0.0199	NR	mg/kg dry	1.00	08/23/10 15:55	DAN	10H1558	7471A
General Chemistry Parameters										
Percent Solids	**94**		0.010	NR	%	1.00	08/19/10 13:37	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-17 (15-17) (RTH1004-11 - Solid) **Sampled: 08/17/10 10:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,1-Dichloroethane	ND		5.4	0.65	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dibromoethane	ND		5.4	0.69	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,4-Dichlorobenzene	ND		5.4	0.75	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
2-Butanone	ND		27	2.0	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
p-Cymene	ND		5.4	0.43	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Acetone	ND		27	4.5	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Bromodichloromethane	ND		5.4	0.72	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Bromomethane	ND		5.4	0.48	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Chlorobenzene	ND		5.4	0.71	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Dibromochloromethane	ND		5.4	0.69	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Chloromethane	ND		5.4	0.32	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Cyclohexane	ND		5.4	0.75	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Dichlorodifluoromethane	ND		5.4	0.44	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Isopropylbenzene	ND		5.4	0.81	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.53	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Methylcyclohexane	ND		5.4	0.82	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Methylene Chloride	**7.6**		5.4	2.5	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
m-Xylene & p-Xylene	ND		11	0.90	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
n-Propylbenzene	ND		5.4	0.43	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
o-Xylene	ND		5.4	0.70	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
sec-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-17 (15-17) (RTH1004-11 - Solid) - cont.						**Sampled: 08/17/10 10:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.4	0.56	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Tetrachloroethene	ND		5.4	0.72	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Toluene	**2.9**	J	5.4	0.41	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
trans-1,2-Dichloroethene	ND		5.4	0.55	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Vinyl chloride	ND		5.4	0.65	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Xylenes, total	ND		11	0.90	ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
1,2-Dichloroethane-d4	*92 %*		*Surr Limits: (64-126%)*				*08/20/10 21:27*	*PJQ*	*10H1413*	*8260B*
4-Bromofluorobenzene	*105 %*		*Surr Limits: (72-126%)*				*08/20/10 21:27*	*PJQ*	*10H1413*	*8260B*
Toluene-d8	*105 %*		*Surr Limits: (71-125%)*				*08/20/10 21:27*	*PJQ*	*10H1413*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/kg dry	1.00	08/20/10 21:27	PJQ	10H1413	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Methylphenol	ND		180	9.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C

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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-17 (15-17) (RTH1004-11 - Solid) - cont. **Sampled: 08/17/10 10:30** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
2,4,6-Tribromophenol	*117 %*		*Surr Limits: (39-146%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*89 %*		*Surr Limits: (37-120%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*77 %*		*Surr Limits: (18-120%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*82 %*		*Surr Limits: (34-132%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*86 %*		*Surr Limits: (11-120%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*88 %*		*Surr Limits: (58-147%)*				*08/21/10 18:59*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Hexadecanoic acid, butyl ester (000111-06-8)	**1000**	T7	Ret Time: 13.096		ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-17 (15-17) (RTH1004-11 - Solid) - cont.						**Sampled: 08/17/10 10:30**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics TICs by GC/MS - cont.										
Octadecanoic acid, butyl ester (000123-95-5)	**980**	T7	Ret Time: 13.721		ug/kg dry	1.00	08/21/10 18:59	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:35	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-18 (15-17) (RTH1004-10 - Solid) **Sampled: 08/17/10 09:45** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		24	1.7	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,1,2,2-Tetrachloroethane	ND		24	3.8	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,1,2-Trichloroethane	ND		24	3.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		24	5.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,1-Dichloroethane	ND		24	2.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,1-Dichloroethene	ND		24	2.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2,4-Trichlorobenzene	ND		24	1.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2,4-Trimethylbenzene	ND		24	4.5	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dibromo-3-chloropropane	ND		24	12	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dibromoethane	ND		24	3.0	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dichlorobenzene	ND		24	1.8	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dichloroethane	ND		24	1.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dichloropropane	ND		24	12	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,3,5-Trimethylbenzene	ND		24	1.5	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,3-Dichlorobenzene	ND		24	1.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,4-Dichlorobenzene	ND		24	3.3	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
2-Butanone	ND		120	8.6	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
2-Hexanone	ND		120	12	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
p-Cymene	ND		24	1.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
4-Methyl-2-pentanone	ND		120	7.7	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Acetone	**29**	J	120	20	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Benzene	ND		24	1.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Bromodichloromethane	ND		24	3.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Bromoform	ND		24	12	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Bromomethane	ND		24	2.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Carbon disulfide	ND		24	12	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Carbon Tetrachloride	ND		24	2.3	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Chlorobenzene	ND		24	3.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Dibromochloromethane	ND		24	3.0	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Chloroethane	ND		24	5.3	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Chloroform	ND		24	1.5	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Chloromethane	ND		24	1.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
cis-1,2-Dichloroethene	ND		24	3.0	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
cis-1,3-Dichloropropene	ND		24	3.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Cyclohexane	ND		24	3.3	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Dichlorodifluoromethane	ND		24	1.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Ethylbenzene	ND		24	1.6	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Isopropylbenzene	ND		24	3.6	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Methyl Acetate	ND		24	4.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Methyl-t-Butyl Ether (MTBE)	ND		24	2.3	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Methylcyclohexane	ND		24	3.6	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Methylene Chloride	**19**	J	24	11	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
m-Xylene & p-Xylene	ND		47	4.0	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
n-Butylbenzene	ND		24	2.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
n-Propylbenzene	ND		24	1.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
o-Xylene	ND		24	3.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
sec-Butylbenzene	**9.9**	J	24	2.1	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Styrene	ND		24	1.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-18 (15-17) (RTH1004-10 - Solid) - cont.						**Sampled: 08/17/10 09:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		24	2.5	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Tetrachloroethene	ND		24	3.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Toluene	**10**	J	24	1.8	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
trans-1,2-Dichloroethene	ND		24	2.4	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
trans-1,3-Dichloropropene	ND		24	10	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Trichloroethene	ND		24	5.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Trichlorofluoromethane	ND		24	2.2	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Vinyl chloride	ND		24	2.9	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Xylenes, total	ND		47	4.0	ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (64-126%)*				*08/24/10 02:39*	*CDC*	*10H1611*	*8260B*
4-Bromofluorobenzene	*93 %*		*Surr Limits: (72-126%)*				*08/24/10 02:39*	*CDC*	*10H1611*	*8260B*
Toluene-d8	*92 %*		*Surr Limits: (71-125%)*				*08/24/10 02:39*	*CDC*	*10H1611*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Heptane, 2,5-dimethyl- (002216-30-0)	**670**		Ret Time: 7.752		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Naphthalene, decahydro- (000091-17-8)	**710**		Ret Time: 11.165		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Naphthalene, decahydro-2-methyl- (002958-76-1)	**670**		Ret Time: 11.694		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Undecane, 2,6-dimethyl- (017301-23-4)	**850**		Ret Time: 8.914		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown01 (none)	**1600**		Ret Time: 9.078		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown02 (none)	**1600**		Ret Time: 9.127		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown03 (none)	**1800**		Ret Time: 9.218		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown04 (none)	**1900**		Ret Time: 9.328		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown05 (none)	**2400**		Ret Time: 9.383		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Unknown06 (none)	**2000**		Ret Time: 9.492		ug/kg dry	1.00	08/24/10 02:39	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	27	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.0	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	56	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-18 (15-17) (RTH1004-10 - Solid) - cont. **Sampled: 08/17/10 09:45** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Methylphenol	ND		180	9.9	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(a)anthracene	**150**	J	180	3.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(a)pyrene	**98**	J	180	4.3	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(ghi)perylene	**77**	J	180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Chrysene	**360**		180	1.8	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-18 (15-17) (RTH1004-10 - Solid) - cont.						**Sampled: 08/17/10 09:45**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Pyrene	ND		180	1.1	ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
2,4,6-Tribromophenol	*99 %*		*Surr Limits: (39-146%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*95 %*		*Surr Limits: (37-120%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*77 %*		*Surr Limits: (18-120%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*93 %*		*Surr Limits: (34-132%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*87 %*		*Surr Limits: (11-120%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*83 %*		*Surr Limits: (58-147%)*				*08/21/10 18:35*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 4-ethyl- (001636-44-8)	**850**	T7	Ret Time: 7.358		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Naphthalene, decahydro-, trans- (000493-02-7)	**840**	T7	Ret Time: 6.6		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Undecane, 2,4-dimethyl- (017312-80-0)	**1000**	T7	Ret Time: 7.973		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Undecane, 2,6-dimethyl- (017301-23-4)	**3300**	T7	Ret Time: 7.91		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown01 (none)	**1500**	T7	Ret Time: 7.161		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown02 (none)	**1900**	T7	Ret Time: 7.3		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown03 (none)	**1200**	T7	Ret Time: 7.412		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown04 (none)	**860**	T7	Ret Time: 7.583		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown05 (none)	**1500**	T7	Ret Time: 7.839		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown06 (none)	**1700**	T7	Ret Time: 8.037		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown07 (none)	**1500**	T7	Ret Time: 8.186		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown08 (none)	**1200**	T7	Ret Time: 8.331		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown09 (none)	**5200**	T7	Ret Time: 8.384		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown10 (none)	**1500**	T7	Ret Time: 8.437		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown11 (none)	**1200**	T7	Ret Time: 8.587		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown12 (none)	**940**	T7	Ret Time: 8.667		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown13 (none)	**2900**	T7	Ret Time: 8.859		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown14 (none)	**1400**	T7	Ret Time: 9.762		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown15 (none)	**1700**	T7	Ret Time: 10.89		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
Unknown16 (none)	**1400**	T7	Ret Time: 11.19		ug/kg dry	1.00	08/21/10 18:35	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/19/10 13:33	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-19 (14-16) (RTH1004-09 - Solid)						**Sampled: 08/16/10 15:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		23	1.7	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,1,2,2-Tetrachloroethane	ND		23	3.7	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,1,2-Trichloroethane	ND		23	3.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23	5.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,1-Dichloroethane	ND		23	2.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,1-Dichloroethene	ND		23	2.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2,4-Trichlorobenzene	ND		23	1.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2,4-Trimethylbenzene	ND		23	4.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dibromo-3-chloropropane	ND		23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dibromoethane	ND		23	2.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dichlorobenzene	ND		23	1.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dichloroethane	ND		23	1.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dichloropropane	ND		23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,3,5-Trimethylbenzene	ND		23	1.5	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,3-Dichlorobenzene	ND		23	1.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,4-Dichlorobenzene	ND		23	3.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
2-Butanone	ND		110	8.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
2-Hexanone	ND		110	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
p-Cymene	ND		23	1.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
4-Methyl-2-pentanone	ND		110	7.5	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Acetone	ND		110	19	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Benzene	ND		23	1.1	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Bromodichloromethane	ND		23	3.1	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Bromoform	ND		23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Bromomethane	ND		23	2.1	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Carbon disulfide	ND		23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Carbon Tetrachloride	ND		23	2.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Chlorobenzene	ND		23	3.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Dibromochloromethane	ND		23	2.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Chloroethane	ND		23	5.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Chloroform	ND		23	1.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Chloromethane	ND		23	1.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
cis-1,2-Dichloroethene	ND		23	2.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
cis-1,3-Dichloropropene	ND		23	3.3	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Cyclohexane	ND		23	3.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Dichlorodifluoromethane	ND		23	1.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Ethylbenzene	ND		23	1.6	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Isopropylbenzene	ND		23	3.5	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Methyl Acetate	ND		23	4.3	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Methyl-t-Butyl Ether (MTBE)	ND		23	2.3	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Methylcyclohexane	**700**		23	3.5	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Methylene Chloride	**20**	J	23	11	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
m-Xylene & p-Xylene	ND		46	3.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
n-Butylbenzene	ND		23	2.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
n-Propylbenzene	ND		23	1.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
o-Xylene	ND		23	3.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
sec-Butylbenzene	ND		23	2.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Styrene	ND		23	1.1	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-19 (14-16) (RTH1004-09 - Solid) - cont.						**Sampled: 08/16/10 15:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**23**		23	2.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Tetrachloroethene	ND		23	3.1	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Toluene	ND		23	1.7	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
trans-1,2-Dichloroethene	ND		23	2.4	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
trans-1,3-Dichloropropene	ND		23	10	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Trichloroethene	ND		23	5.0	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Trichlorofluoromethane	ND		23	2.2	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Vinyl chloride	ND		23	2.8	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Xylenes, total	ND		46	3.9	ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
1,2-Dichloroethane-d4	*95 %*		*Surr Limits: (64-126%)*				*08/24/10 02:13*	*CDC*	*10H1611*	*8260B*
4-Bromofluorobenzene	*91 %*		*Surr Limits: (72-126%)*				*08/24/10 02:13*	*CDC*	*10H1611*	*8260B*
Toluene-d8	*89 %*		*Surr Limits: (71-125%)*				*08/24/10 02:13*	*CDC*	*10H1611*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Dimethylcyclohexane,c&t (000591-21-9)	**2000**		Ret Time: 7.053		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Cyclohexane, 1,1,3-trimethyl- (003073-66-3)	**2100**		Ret Time: 8.008		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**1100**		Ret Time: 7.515		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Cyclohexane, 1-ethyl-4-methyl-, trans- (006236-88-0)	**1300**		Ret Time: 8.774		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Naphthalene, decahydro- (000091-17-8)	**1400**		Ret Time: 11.165		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Unknown01 (none)	**1900**		Ret Time: 9.079		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Unknown02 (none)	**1600**		Ret Time: 9.218		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Unknown03 (none)	**1800**		Ret Time: 9.322		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Unknown04 (none)	**2600**		Ret Time: 9.383		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Unknown05 (none)	**3300**		Ret Time: 9.541		ug/kg dry	1.00	08/24/10 02:13	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.5	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	63	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Nitroaniline	ND		350	58	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
3-Nitroaniline	ND		350	42	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	62	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-19 (14-16) (RTH1004-09 - Solid) - cont. **Sampled: 08/16/10 15:45** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.4	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
4-Nitrophenol	ND		350	44	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Acetophenone	ND		180	9.3	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Atrazine	ND		180	8.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.4	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.8	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	58	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Caprolactam	ND		180	78	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	62	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Fluorene	ND		180	4.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	9.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Isophorone	ND		180	9.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Nitrobenzene	ND		180	8.0	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.9	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-19 (14-16) (RTH1004-09 - Solid) - cont.						**Sampled: 08/16/10 15:45**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
Pentachlorophenol	ND		350	62	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
2,4,6-Tribromophenol	*108 %*		*Surr Limits: (39-146%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*90 %*		*Surr Limits: (37-120%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*74 %*		*Surr Limits: (18-120%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*91 %*		*Surr Limits: (34-132%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*83 %*		*Surr Limits: (11-120%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*82 %*		*Surr Limits: (58-147%)*				*08/21/10 18:11*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
n-Nonylcyclohexane (002883-02-5)	**900**	T7	Ret Time: 10.409		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**13000**	T7	Ret Time: 11.194		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**6900**	T7	Ret Time: 10.89		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Tetradecane, 5-methyl- (062108-25-2)	**8400**	T7	Ret Time: 8.384		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Undecane, 2,6-dimethyl- (017301-23-4)	**3000**	T7	Ret Time: 7.909		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown01 (none)	**1100**	T7	Ret Time: 7.155		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown02 (none)	**1100**	T7	Ret Time: 7.3		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown03 (none)	**960**	T7	Ret Time: 7.406		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown04 (none)	**1100**	T7	Ret Time: 7.834		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown05 (none)	**1000**	T7	Ret Time: 7.973		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown06 (none)	**1500**	T7	Ret Time: 8.031		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown07 (none)	**1000**	T7	Ret Time: 8.181		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown08 (none)	**1500**	T7	Ret Time: 8.437		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown09 (none)	**1700**	T7	Ret Time: 8.582		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown10 (none)	**1200**	T7	Ret Time: 8.662		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown11 (none)	**1400**	T7	Ret Time: 8.726		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown12 (none)	**2000**	T7	Ret Time: 8.854		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown13 (none)	**1400**	T7	Ret Time: 9.757		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown14 (none)	**1400**	T7	Ret Time: 11.792		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
Unknown15 (none)	**3400**	T7	Ret Time: 12.038		ug/kg dry	1.00	08/21/10 18:11	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:31	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-20 (16-18) (RTH1004-01 - Solid) **Sampled: 08/16/10 10:00** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		27	2.0	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,1,2,2-Tetrachloroethane	ND		27	4.4	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,1,2-Trichloroethane	ND		27	3.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		27	6.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,1-Dichloroethane	ND		27	3.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,1-Dichloroethene	ND		27	3.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2,4-Trichlorobenzene	ND		27	1.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2,4-Trimethylbenzene	ND		27	5.2	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dibromo-3-chloropropane	ND		27	13	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dibromoethane	ND		27	3.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dichlorobenzene	ND		27	2.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dichloroethane	ND		27	1.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dichloropropane	ND		27	13	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,3,5-Trimethylbenzene	ND		27	1.7	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,3-Dichlorobenzene	ND		27	1.4	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,4-Dichlorobenzene	ND		27	3.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
2-Butanone	ND		130	9.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
2-Hexanone	ND		130	13	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
p-Cymene	ND		27	2.2	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
4-Methyl-2-pentanone	ND		130	8.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Acetone	**37**	J	130	23	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Benzene	ND		27	1.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Bromodichloromethane	ND		27	3.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Bromoform	ND		27	13	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Bromomethane	ND		27	2.4	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Carbon disulfide	ND		27	13	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Carbon Tetrachloride	ND		27	2.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Chlorobenzene	ND		27	3.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Dibromochloromethane	ND		27	3.4	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Chloroethane	ND		27	6.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Chloroform	ND		27	1.7	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Chloromethane	ND		27	1.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
cis-1,2-Dichloroethene	ND		27	3.4	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
cis-1,3-Dichloropropene	ND		27	3.9	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Cyclohexane	ND		27	3.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Dichlorodifluoromethane	ND		27	2.2	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Ethylbenzene	ND		27	1.9	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Isopropylbenzene	ND		27	4.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Methyl Acetate	ND		27	5.0	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Methyl-t-Butyl Ether (MTBE)	ND		27	2.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Methylcyclohexane	ND		27	4.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Methylene Chloride	**69**		27	12	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
m-Xylene & p-Xylene	ND		54	4.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
n-Butylbenzene	ND		27	2.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
n-Propylbenzene	ND		27	2.1	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
o-Xylene	ND		27	3.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
sec-Butylbenzene	ND		27	2.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Styrene	ND		27	1.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont.						**Sampled: 08/16/10 10:00**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		27	2.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Tetrachloroethene	ND		27	3.6	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Toluene	**16**	J	27	2.0	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
trans-1,2-Dichloroethene	ND		27	2.8	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
trans-1,3-Dichloropropene	ND		27	12	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Trichloroethene	ND		27	5.9	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Trichlorofluoromethane	ND		27	2.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Vinyl chloride	ND		27	3.3	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Xylenes, total	ND		54	4.5	ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
1,2-Dichloroethane-d4	*96 %*		*Surr Limits: (64-126%)*				*08/20/10 17:14*	*PJQ*	*10H1413*	*8260B*
4-Bromofluorobenzene	*106 %*		*Surr Limits: (72-126%)*				*08/20/10 17:14*	*PJQ*	*10H1413*	*8260B*
Toluene-d8	*108 %*		*Surr Limits: (71-125%)*				*08/20/10 17:14*	*PJQ*	*10H1413*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Unknown01 (none)	**35**		Ret Time: 9.474		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown02 (none)	**44**		Ret Time: 10.015		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown03 (none)	**48**		Ret Time: 10.253		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown04 (none)	**42**		Ret Time: 9.072		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown05 (none)	**61**		Ret Time: 10.611		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown06 (none)	**130**		Ret Time: 11.147		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown07 (none)	**83**		Ret Time: 11.39		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown08 (none)	**32**		Ret Time: 11.481		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown09 (none)	**54**		Ret Time: 11.871		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Unknown10 (none)	**41**		Ret Time: 10.4		ug/kg dry	1.00	08/20/10 17:14	PJQ	10H1413	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.4	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	63	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Nitroaniline	ND		350	58	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	62	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.4	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont. **Sampled: 08/16/10 10:00** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
4-Nitrophenol	ND		350	44	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Acetophenone	ND		180	9.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Atrazine	ND		180	8.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.8	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	58	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Caprolactam	ND		180	78	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	62	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.9	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Isophorone	ND		180	9.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Nitrobenzene	ND		180	8.0	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.8	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Pentachlorophenol	ND		350	62	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont. **Sampled: 08/16/10 10:00** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
2,4,6-Tribromophenol	*104 %*		*Surr Limits: (39-146%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*88 %*		*Surr Limits: (37-120%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*68 %*		*Surr Limits: (18-120%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*81 %*		*Surr Limits: (34-132%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*79 %*		*Surr Limits: (11-120%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*88 %*		*Surr Limits: (58-147%)*				*08/21/10 15:48*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Unknown01 (none)	**160**	T7	Ret Time: 7.828		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown02 (none)	**170**	T7	Ret Time: 8.063		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown03 (none)	**300**	T7	Ret Time: 8.373		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown04 (none)	**200**	T7	Ret Time: 8.427		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown05 (none)	**160**	T7	Ret Time: 8.576		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown06 (none)	**250**	T7	Ret Time: 8.656		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown07 (none)	**170**	T7	Ret Time: 8.694		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown08 (none)	**200**	T7	Ret Time: 8.71		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown09 (none)	**160**	T7	Ret Time: 8.801		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown10 (none)	**270**	T7	Ret Time: 8.849		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown11 (none)	**220**	T7	Ret Time: 9.062		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown12 (none)	**250**	T7	Ret Time: 9.415		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown13 (none)	**340**	T7	Ret Time: 9.575		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown14 (none)	**320**	T7	Ret Time: 9.671		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown15 (none)	**170**	T7	Ret Time: 10.115		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Unknown16 (none)	**240**	T7	Ret Time: 10.136		ug/kg dry	1.00	08/21/10 15:48	JLG	10H1315	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL, D10	18	3.5	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
4,4'-DDE	ND	QFL, D10	18	2.7	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
4,4'-DDT	ND	QFL, D10	18	1.8	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Aldrin	ND	QFL, D10	18	4.4	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
alpha-BHC	ND	QFL, D10	18	3.2	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
beta-BHC	ND	QFL, D10	18	1.9	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Chlordane	ND	QFL, D10	180	39	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
delta-BHC	ND	QFL, D10	18	2.3	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Dieldrin	ND	QFL, D10	18	4.3	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Endosulfan I	ND	QFL, D10	18	2.2	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Endosulfan II	ND	QFL, D10	18	3.2	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Endosulfan sulfate	ND	QFL, D10	18	3.3	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Endrin	ND	QFL, D10	18	2.5	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Endrin aldehyde	ND	QFL, D10	18	4.5	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
gamma-BHC (Lindane)	ND	QFL, D10	18	3.1	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Heptachlor	ND	QFL, D10	18	2.8	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Heptachlor epoxide	ND	QFL, D10	18	4.6	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Methoxychlor	ND	QFL, D10	18	2.5	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A
Toxaphene	ND	QFL, D10	180	100	ug/kg dry	10.0	08/28/10 17:10	DGB	10H1605	8081A

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont.							**Sampled: 08/16/10 10:00**		**Recvd: 08/18/10 12:15**	
Organochlorine Pesticides by EPA Method 8081A - cont.										
Decachlorobiphenyl	*	*QFL, D10,Z3*	*Surr Limits: (42-146%)*				*08/28/10 17:10*	*DGB*	*10H1605*	*8081A*
Tetrachloro-m-xylene	*	*QFL, D10,Z3*	*Surr Limits: (37-136%)*				*08/28/10 17:10*	*DGB*	*10H1605*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1221 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1232 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1242 [2C]	ND	QSU	18	3.9	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1248 [2C]	ND	QSU	18	3.5	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1254 [2C]	ND	QSU	18	3.8	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Aroclor 1260 [2C]	ND	QSU	18	8.3	ug/kg dry	1.00	08/26/10 04:12	JxM	10H1606	8082
Decachlorobiphenyl [2C]	*63 %*	*QSU*	*Surr Limits: (34-148%)*				*08/26/10 04:12*	*JxM*	*10H1606*	*8082*
Tetrachloro-m-xylene [2C]	*57 %*	*QSU*	*Surr Limits: (35-134%)*				*08/26/10 04:12*	*JxM*	*10H1606*	*8082*
Herbicides										
2,4,5-T [2C]	ND		18	5.6	ug/kg dry	1.00	08/29/10 14:16	MAN	10H1894	8151A
2,4-D [2C]	ND		18	11	ug/kg dry	1.00	08/29/10 14:16	MAN	10H1894	8151A
Silvex (2,4,5-TP) [2C]	ND		18	6.4	ug/kg dry	1.00	08/29/10 14:16	MAN	10H1894	8151A
2,4-Dichlorophenylacetic acid [2C]	*68 %*		*Surr Limits: (15-120%)*				*08/29/10 14:16*	*MAN*	*10H1894*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**3630**		10.1	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Antimony	ND		15.2	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Arsenic	**4.4**		2.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Barium	**19.4**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Beryllium	ND		0.202	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Cadmium	ND		0.202	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Calcium	**40400**	D08	253	NR	mg/kg dry	5.00	08/30/10 22:57	DAN	10H1801	6010B
Chromium	**5.33**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Cobalt	**7.08**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Copper	**37.1**		1.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Iron	**10300**	B1	10.1	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Lead	**6.0**		1.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Magnesium	**2690**		20.2	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Manganese	**733**	B1	0.2	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Nickel	**13.7**		5.05	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Potassium	**405**		30.3	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Selenium	ND		4.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Silver	ND		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Sodium	ND		141	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Thallium	ND		6.1	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Vanadium	**5.23**		0.505	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Zinc	**80.8**		2.0	NR	mg/kg dry	1.00	08/29/10 04:51	DAN	10H1801	6010B
Mercury	ND		0.0211	NR	mg/kg dry	1.00	08/23/10 15:44	DAN	10H1558	7471A

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Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-20 (16-18) (RTH1004-01 - Solid) - cont.						**Sampled: 08/16/10 10:00**		**Recvd: 08/18/10 12:15**		
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:19	JRR	10H1323	Dry Weight

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Analytical Report

Client ID: TP-21 (15-17) (RTH1004-04 - Solid) **Sampled: 08/16/10 11:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	17	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,1,2-Trichloroethane	ND	W1	110	22	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	53	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,1-Dichloroethane	ND	W1	110	33	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,1-Dichloroethene	ND	W1	110	36	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2,4-Trichlorobenzene	ND	W1	110	40	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2,4-Trimethylbenzene	ND	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	W1	110	53	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.0	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dichlorobenzene	ND	W1	110	27	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dichloroethane	ND	W1	110	43	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dichloropropane	ND	W1	110	17	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,3,5-Trimethylbenzene	ND	W1	110	32	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,3-Dichlorobenzene	ND	W1	110	28	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,3-Dichloropropane	ND	W1	110	19	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,4-Dichlorobenzene	ND	W1	110	15	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
2-Butanone (MEK)	ND	W1	530	310	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
2-Hexanone	ND	W1	530	220	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
4-Isopropyltoluene	ND	W1	110	36	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	W1	530	34	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Acetone	ND	W1	530	430	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Benzene	ND	W1	110	5.1	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Bromodichloromethane	ND	W1	110	21	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Bromoform	ND	W1	110	53	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Bromomethane	ND	W1	110	23	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Carbon disulfide	ND	W1	110	48	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Carbon Tetrachloride	ND	W1	110	27	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Chlorobenzene	ND	W1	110	14	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Chlorodibromomethane	ND	W1	110	51	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Chloroethane	ND	W1	110	22	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Chloroform	ND	W1	110	72	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Chloromethane	ND	W1	110	25	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
cis-1,2-Dichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
cis-1,3-Dichloropropene	ND	W1	110	25	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Cyclohexane	ND	W1	110	23	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Dichlorodifluoromethane	ND	W1	110	46	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Ethylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Isopropylbenzene	ND	W1	110	16	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Methyl Acetate	ND	W1	110	50	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Methyl tert-Butyl Ether	ND	W1	110	40	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Methylcyclohexane	ND	W1	110	49	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Methylene Chloride	ND	W1	110	21	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
n-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
n-Propylbenzene	ND	W1	110	28	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
o-Xylene	ND	W1	110	14	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-21 (15-17) (RTH1004-04 - Solid) - cont.						**Sampled: 08/16/10 11:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	ND	W1	110	39	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Styrene	ND	W1	110	25	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
tert-Butylbenzene	**110**	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Tetrachloroethene	ND	W1	110	14	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Toluene	ND	W1	110	28	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
trans-1,2-Dichloroethene	ND	W1	110	25	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
trans-1,3-Dichloropropene	ND	W1	110	5.1	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Trichloroethene	ND	W1	110	29	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Trichlorofluoromethane	ND	W1	110	49	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Vinyl chloride	ND	W1	110	35	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
1,2-Dichloroethane-d4	*101 %*	*W1*	*Surr Limits: (53-146%)*				*08/25/10 16:37*	*DHC*	*10H1768*	*8260B*
4-Bromofluorobenzene	*83 %*	*W1*	*Surr Limits: (49-148%)*				*08/25/10 16:37*	*DHC*	*10H1768*	*8260B*
Toluene-d8	*86 %*	*W1*	*Surr Limits: (50-149%)*				*08/25/10 16:37*	*DHC*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**8600**		Ret Time: 7.365		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Naphthalene, decahydro- (000091-17-8)	**14000**		Ret Time: 9.33		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown01 (none)	**15000**		Ret Time: 7.614		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown02 (none)	**9400**		Ret Time: 7.863		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown03 (none)	**11000**		Ret Time: 7.985		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown04 (none)	**9700**		Ret Time: 9.561		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown05 (none)	**10000**		Ret Time: 10.352		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown06 (none)	**9300**		Ret Time: 10.492		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown07 (none)	**15000**		Ret Time: 10.924		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Unknown08 (none)	**9100**		Ret Time: 11.009		ug/kg dry	1.00	08/25/10 16:37	DHC	10H1768	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.5	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	63	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Nitroaniline	ND		350	58	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
3-Nitroaniline	ND		350	42	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	63	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	58	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C

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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-21 (15-17) (RTH1004-04 - Solid) - cont. **Sampled: 08/16/10 11:30** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Chloro-3-methylphenol	ND		180	7.5	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
4-Nitrophenol	ND		350	44	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Acetophenone	ND		180	9.3	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Atrazine	ND		180	8.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.4	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	58	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	49	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Caprolactam	ND		180	78	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Chrysene	**110**	J	180	1.8	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	63	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Fluorene	**310**		180	4.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	9.0	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.3	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Isophorone	ND		180	9.1	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Nitrobenzene	ND		180	8.0	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.9	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Pentachlorophenol	ND		350	62	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-21 (15-17) (RTH1004-04 - Solid) - cont.						**Sampled: 08/16/10 11:30**		**Recvd: 08/18/10 12:15**		
Semivolatile Organics by GC/MS - cont.										
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
2,4,6-Tribromophenol	*106 %*		*Surr Limits: (39-146%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*95 %*		*Surr Limits: (37-120%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*75 %*		*Surr Limits: (18-120%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*97 %*		*Surr Limits: (34-132%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*87 %*		*Surr Limits: (11-120%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*82 %*		*Surr Limits: (58-147%)*				*08/21/10 16:12*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Decane, 2-methyl- (006975-98-0)	**8300**	T7	Ret Time: 9.762		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Naphthalene, decahydro-, trans- (000493-02-7)	**2500**	T7	Ret Time: 6.6		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**9500**	T7	Ret Time: 11.189		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Tridecane, 5-propyl- (055045-11-9)	**6000**	T7	Ret Time: 10.884		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Tridecane, 7-methyl- (026730-14-3)	**6100**	T7	Ret Time: 8.395		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown01 (none)	**1200**	T7	Ret Time: 5.355		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown02 (none)	**1400**	T7	Ret Time: 6.178		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown03 (none)	**2500**	T7	Ret Time: 6.263		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown04 (none)	**2000**	T7	Ret Time: 6.301		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown05 (none)	**1200**	T7	Ret Time: 6.386		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown06 (none)	**2000**	T7	Ret Time: 6.423		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown07 (none)	**1200**	T7	Ret Time: 6.653		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown08 (none)	**2600**	T7	Ret Time: 6.867		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown09 (none)	**1300**	T7	Ret Time: 7.3		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown10 (none)	**2000**	T7	Ret Time: 8.86		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown11 (none)	**2000**	T7	Ret Time: 9.351		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown12 (none)	**1700**	T7	Ret Time: 10.345		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown13 (none)	**2200**	T7	Ret Time: 10.409		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown14 (none)	**1500**	T7	Ret Time: 11.787		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
Unknown15 (none)	**2800**	T7	Ret Time: 12.033		ug/kg dry	1.00	08/21/10 16:12	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:21	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-22 (16-18) (RTH1004-05 - Solid) **Sampled: 08/16/10 12:30** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		28	2.0	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,1,2,2-Tetrachloroethane	ND		28	4.5	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,1,2-Trichloroethane	ND		28	3.6	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28	6.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,1-Dichloroethane	ND		28	3.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,1-Dichloroethene	ND		28	3.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2,4-Trichlorobenzene	ND		28	1.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2,4-Trimethylbenzene	ND		28	5.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dibromo-3-chloropropane	ND		28	14	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dibromoethane	ND		28	3.6	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dichlorobenzene	ND		28	2.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dichloroethane	ND		28	1.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dichloropropane	ND		28	14	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,3,5-Trimethylbenzene	ND		28	1.8	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,3-Dichlorobenzene	ND		28	1.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,4-Dichlorobenzene	ND		28	3.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
2-Butanone	ND		140	10	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
2-Hexanone	ND		140	14	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
p-Cymene	**21**	J	28	2.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
4-Methyl-2-pentanone	ND		140	9.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Acetone	ND		140	24	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Benzene	ND		28	1.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Bromodichloromethane	ND		28	3.8	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Bromoform	ND		28	14	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Bromomethane	ND		28	2.5	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Carbon disulfide	ND		28	14	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Carbon Tetrachloride	ND		28	2.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Chlorobenzene	ND		28	3.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Dibromochloromethane	ND		28	3.6	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Chloroethane	ND		28	6.3	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Chloroform	ND		28	1.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Chloromethane	ND		28	1.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
cis-1,2-Dichloroethene	ND		28	3.6	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
cis-1,3-Dichloropropene	ND		28	4.0	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Cyclohexane	ND		28	3.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Dichlorodifluoromethane	ND		28	2.3	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Ethylbenzene	ND		28	1.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Isopropylbenzene	ND		28	4.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Methyl Acetate	ND		28	5.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Methyl-t-Butyl Ether (MTBE)	ND		28	2.8	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Methylcyclohexane	ND		28	4.3	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Methylene Chloride	**22**	J	28	13	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
m-Xylene & p-Xylene	ND		56	4.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
n-Butylbenzene	ND		28	2.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
n-Propylbenzene	ND		28	2.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
o-Xylene	ND		28	3.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
sec-Butylbenzene	ND		28	2.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Styrene	ND		28	1.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-22 (16-18) (RTH1004-05 - Solid) - cont.						**Sampled: 08/16/10 12:30**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**49**		28	2.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Tetrachloroethene	ND		28	3.8	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Toluene	**15**	J	28	2.1	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
trans-1,2-Dichloroethene	ND		28	2.9	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
trans-1,3-Dichloropropene	ND		28	12	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Trichloroethene	ND		28	6.2	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Trichlorofluoromethane	ND		28	2.6	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Vinyl chloride	ND		28	3.4	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Xylenes, total	ND		56	4.7	ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
1,2-Dichloroethane-d4	*96 %*		*Surr Limits: (64-126%)*				*08/24/10 01:22*	*CDC*	*10H1611*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (72-126%)*				*08/24/10 01:22*	*CDC*	*10H1611*	*8260B*
Toluene-d8	*90 %*		*Surr Limits: (71-125%)*				*08/24/10 01:22*	*CDC*	*10H1611*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Dimethylcyclohexane,c&t (000591-21-9)	**990**		Ret Time: 7.053		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Cyclohexane, 1-ethyl-4-methyl-, trans- (006236-88-0)	**1200**		Ret Time: 8.774		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**1700**		Ret Time: 10.088		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Naphthalene, decahydro- (000091-17-8)	**1600**		Ret Time: 11.159		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown01 (none)	**1000**		Ret Time: 8.008		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown02 (none)	**2100**		Ret Time: 9.121		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown03 (none)	**1200**		Ret Time: 9.322		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown04 (none)	**1200**		Ret Time: 9.383		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown05 (none)	**2200**		Ret Time: 9.535		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Unknown06 (none)	**1100**		Ret Time: 12.65		ug/kg dry	1.00	08/24/10 01:22	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.5	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	63	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Nitroaniline	ND		350	58	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
3-Nitroaniline	ND		350	42	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		350	62	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-22 (16-18) (RTH1004-05 - Solid) - cont. **Sampled: 08/16/10 12:30** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.4	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Methylphenol	ND		180	10	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
4-Nitrophenol	ND		350	44	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Acetophenone	ND		180	9.3	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Anthracene	ND		180	4.6	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Atrazine	ND		180	8.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.4	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.8	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	58	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	49	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Caprolactam	ND		180	78	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	62	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Fluorene	ND		180	4.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	9.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Isophorone	ND		180	9.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Nitrobenzene	ND		180	8.0	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.9	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-22 (16-18) (RTH1004-05 - Solid) - cont. **Sampled: 08/16/10 12:30** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Pentachlorophenol	ND		350	62	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
2,4,6-Tribromophenol	*121 %*		*Surr Limits: (39-146%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*97 %*		*Surr Limits: (37-120%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*76 %*		*Surr Limits: (18-120%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*88 %*		*Surr Limits: (34-132%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*86 %*		*Surr Limits: (11-120%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*90 %*		*Surr Limits: (58-147%)*				*08/21/10 16:36*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
3,5-Dimethyldodecane (107770-99-0)	**1700**	T7	Ret Time: 10.863		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Cyclohexane, octyl- (001795-15-9)	**950**	T7	Ret Time: 9.725		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**3500**	T7	Ret Time: 11.66		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**5600**	T7	Ret Time: 11.167		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Pentadecane, 2-methyl- (001560-93-6)	**1400**	T7	Ret Time: 12.017		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown01 (none)	**1400**	T7	Ret Time: 8.379		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown02 (none)	**540**	T7	Ret Time: 8.849		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown03 (none)	**490**	T7	Ret Time: 9.073		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown04 (none)	**670**	T7	Ret Time: 9.335		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown05 (none)	**410**	T7	Ret Time: 9.383		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown06 (none)	**780**	T7	Ret Time: 9.575		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown07 (none)	**570**	T7	Ret Time: 9.634		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown08 (none)	**560**	T7	Ret Time: 9.677		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown09 (none)	**1200**	T7	Ret Time: 9.741		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown10 (none)	**580**	T7	Ret Time: 9.773		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown11 (none)	**520**	T7	Ret Time: 10.28		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown12 (none)	**730**	T7	Ret Time: 10.329		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown13 (none)	**930**	T7	Ret Time: 10.393		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown14 (none)	**490**	T7	Ret Time: 10.65		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
Unknown15 (none)	**480**	T7	Ret Time: 11.771		ug/kg dry	1.00	08/21/10 16:36	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	08/19/10 13:23	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-23 (8-10) (RTH1004-06 - Solid) **Sampled: 08/16/10 13:45** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,1-Dichloroethane	ND		5.4	0.65	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dibromoethane	ND		5.4	0.69	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,4-Dichlorobenzene	ND		5.4	0.75	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
2-Butanone	ND		27	2.0	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
p-Cymene	ND		5.4	0.43	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Acetone	**45**		27	4.5	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Bromodichloromethane	ND		5.4	0.72	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Bromomethane	ND		5.4	0.48	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Chlorobenzene	ND		5.4	0.71	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Dibromochloromethane	ND		5.4	0.69	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Chloromethane	ND		5.4	0.32	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Cyclohexane	ND		5.4	0.75	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Dichlorodifluoromethane	ND		5.4	0.44	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Isopropylbenzene	ND		5.4	0.81	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.53	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methylcyclohexane	**240**		5.4	0.82	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Methylene Chloride	**4.8**	J	5.4	2.5	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
m-Xylene & p-Xylene	ND		11	0.90	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
n-Butylbenzene	**14**		5.4	0.47	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
n-Propylbenzene	ND		5.4	0.43	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
o-Xylene	ND		5.4	0.70	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
sec-Butylbenzene	**11**		5.4	0.47	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

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Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-23 (8-10) (RTH1004-06 - Solid) - cont.							**Sampled: 08/16/10 13:45**		**Recvd: 08/18/10 12:15**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**6.8**		5.4	0.56	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Tetrachloroethene	ND		5.4	0.72	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
trans-1,2-Dichloroethene	ND		5.4	0.55	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Vinyl chloride	ND		5.4	0.65	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Xylenes, total	ND		11	0.90	ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
1,2-Dichloroethane-d4	*96 %*		*Surr Limits: (64-126%)*				*08/24/10 01:48*	*CDC*	*10H1611*	*8260B*
4-Bromofluorobenzene	*88 %*		*Surr Limits: (72-126%)*				*08/24/10 01:48*	*CDC*	*10H1611*	*8260B*
Toluene-d8	*81 %*		*Surr Limits: (71-125%)*				*08/24/10 01:48*	*CDC*	*10H1611*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1,3-Dimethylcyclohexane,c&t (000591-21-9)	**590**		Ret Time: 7.053		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**220**		Ret Time: 7.515		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Cyclohexane, 1-ethyl-4-methyl-, trans- (006236-88-0)	**320**		Ret Time: 8.774		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Cyclohexane, ethyl- (001678-91-7)	**280**		Ret Time: 7.971		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**210**		Ret Time: 7.752		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Octane, 3,6-dimethyl- (015869-94-0)	**270**		Ret Time: 9.322		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Unknown01 (none)	**310**		Ret Time: 9.079		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Unknown02 (none)	**320**		Ret Time: 9.218		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Unknown03 (none)	**530**		Ret Time: 9.541		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Unknown04 (none)	**210**		Ret Time: 11.695		ug/kg dry	1.00	08/24/10 01:48	CDC	10H1611	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2-Nitrophenol	ND		190	8.5	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
3-Nitroaniline	ND		360	43	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C

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Analytical Report

Client ID: TP-23 (8-10) (RTH1004-06 - Solid) - cont. **Sampled: 08/16/10 13:45** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Methylphenol	ND		190	10	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzo(a)anthracene	**29**	J	190	3.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	**77**	J	190	60	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Chrysene	**60**	J	190	1.9	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Naphthalene	**42**	J	190	3.1	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-23 (8-10) (RTH1004-06 - Solid) - cont. **Sampled: 08/16/10 13:45** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Phenol	ND		190	19	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pyrene	**48**	J	190	1.2	ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
2,4,6-Tribromophenol	*108 %*		*Surr Limits: (39-146%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*90 %*		*Surr Limits: (37-120%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*71 %*		*Surr Limits: (18-120%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*80 %*		*Surr Limits: (34-132%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*80 %*		*Surr Limits: (11-120%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*90 %*		*Surr Limits: (58-147%)*				*08/21/10 17:00*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Hexadecane, 2,6,10,14-tetramethyl- (000638-36-8)	**770**	T7	Ret Time: 11.653		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pentadecane (000629-62-9)	**270**	T7	Ret Time: 12.011		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pentadecane, 2,6,10,14-tetramethyl- (001921-70-6)	**1000**	T7	Ret Time: 11.162		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Pentadecane, 2,6,10-trimethyl- (003892-00-0)	**910**	T7	Ret Time: 10.863		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown01 (none)	**170**	T7	Ret Time: 7.903		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown02 (none)	**340**	T7	Ret Time: 8.373		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown03 (none)	**150**	T7	Ret Time: 8.721		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown04 (none)	**210**	T7	Ret Time: 8.977		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown05 (none)	**150**	T7	Ret Time: 9.062		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown06 (none)	**280**	T7	Ret Time: 9.335		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown07 (none)	**310**	T7	Ret Time: 9.72		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown08 (none)	**450**	T7	Ret Time: 9.741		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown09 (none)	**610**	T7	Ret Time: 10.281		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown10 (none)	**220**	T7	Ret Time: 10.323		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown11 (none)	**440**	T7	Ret Time: 10.387		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown12 (none)	**280**	T7	Ret Time: 10.542		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown13 (none)	**420**	T7	Ret Time: 10.74		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown14 (none)	**180**	T7	Ret Time: 11.386		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown15 (none)	**190**	T7	Ret Time: 11.493		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
Unknown16 (none)	**220**	T7	Ret Time: 11.766		ug/kg dry	1.00	08/21/10 17:00	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	08/19/10 13:25	JRR	10H1323	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
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Analytical Report

Client ID: TP-23 (8-10) (RTH1004-06RE1 - Solid) **Sampled: 08/16/10 13:45** **Recvd: 08/18/10 12:15**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		28	2.0	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,1,2,2-Tetrachloroethane	ND		28	4.5	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,1,2-Trichloroethane	ND		28	3.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28	6.3	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,1-Dichloroethane	ND		28	3.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,1-Dichloroethene	ND		28	3.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2,4-Trichlorobenzene	ND		28	1.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2,4-Trimethylbenzene	ND		28	5.3	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dibromo-3-chloropropane	ND		28	14	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dibromoethane	ND		28	3.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dichlorobenzene	ND		28	2.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dichloroethane	ND		28	1.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dichloropropane	ND		28	14	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,3,5-Trimethylbenzene	ND		28	1.8	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,3-Dichlorobenzene	ND		28	1.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,4-Dichlorobenzene	ND		28	3.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
2-Butanone	ND		140	10	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
2-Hexanone	ND		140	14	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
p-Cymene	**21**	J	28	2.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
4-Methyl-2-pentanone	ND		140	9.1	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Acetone	**70**	J	140	23	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Benzene	ND		28	1.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Bromodichloromethane	ND		28	3.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Bromoform	ND		28	14	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Bromomethane	ND		28	2.5	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Carbon disulfide	ND		28	14	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Carbon Tetrachloride	ND		28	2.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Chlorobenzene	ND		28	3.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Dibromochloromethane	ND		28	3.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Chloroethane	ND		28	6.3	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Chloroform	ND		28	1.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Chloromethane	ND		28	1.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
cis-1,2-Dichloroethene	ND		28	3.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
cis-1,3-Dichloropropene	ND		28	4.0	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Cyclohexane	ND		28	3.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Dichlorodifluoromethane	ND		28	2.3	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Ethylbenzene	ND		28	1.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Isopropylbenzene	ND		28	4.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methyl Acetate	ND		28	5.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methyl-t-Butyl Ether (MTBE)	ND		28	2.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methylcyclohexane	**110**		28	4.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Methylene Chloride	**46**		28	13	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
m-Xylene & p-Xylene	ND		56	4.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
n-Butylbenzene	**27**	J	28	2.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
n-Propylbenzene	ND		28	2.2	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
o-Xylene	ND		28	3.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
sec-Butylbenzene	**24**	J	28	2.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Styrene	ND		28	1.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-23 (8-10) (RTH1004-06RE1 - Solid) - cont.						**Sampled: 08/16/10 13:45**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**13**	J	28	2.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Tetrachloroethene	ND		28	3.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Toluene	ND		28	2.1	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
trans-1,2-Dichloroethene	ND		28	2.9	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
trans-1,3-Dichloropropene	ND		28	12	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Trichloroethene	ND		28	6.1	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Trichlorofluoromethane	ND		28	2.6	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Vinyl chloride	ND		28	3.4	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Xylenes, total	ND		56	4.7	ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
1,2-Dichloroethane-d4	*106 %*		*Surr Limits: (64-126%)*				*08/26/10 20:20*	*PJQ*	*10H1848*	*8260B*
4-Bromofluorobenzene	*84 %*		*Surr Limits: (72-126%)*				*08/26/10 20:20*	*PJQ*	*10H1848*	*8260B*
Toluene-d8	*85 %*		*Surr Limits: (71-125%)*				*08/26/10 20:20*	*PJQ*	*10H1848*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**420**		Ret Time: 8.774		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**450**		Ret Time: 7.047		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Decane, 2-methyl- (006975-98-0)	**570**		Ret Time: 12.644		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Octane, 2,6-dimethyl- (002051-30-1)	**470**		Ret Time: 9.219		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown01 (none)	**420**		Ret Time: 9.079		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown02 (none)	**690**		Ret Time: 12.145		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown03 (none)	**380**		Ret Time: 9.322		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown04 (none)	**810**		Ret Time: 11.695		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown05 (none)	**410**		Ret Time: 11.792		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B
Unknown06 (none)	**450**		Ret Time: 12.473		ug/kg dry	1.00	08/26/10 20:20	PJQ	10H1848	8260B

Benchmark Environmental & Engineering Science
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-24 (15-17) (RTH1004-08 - Solid)						**Sampled: 08/16/10 14:50**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,1,2,2-Tetrachloroethane	ND	D02, W1	210	35	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,1,2-Trichloroethane	ND	D02, W1	210	45	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,1,2-Trichlorotrifluoroethane	ND	D02, W1	210	110	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,1-Dichloroethane	ND	D02, W1	210	66	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,1-Dichloroethene	ND	D02, W1	210	74	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2,4-Trichlorobenzene	ND	D02, W1	210	81	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2,4-Trimethylbenzene	ND	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dibromo-3-chloropropane	ND	D02, W1	210	110	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dibromoethane (EDB)	ND	D02, W1	210	8.1	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dichlorobenzene	ND	D02, W1	210	54	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dichloroethane	ND	D02, W1	210	87	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dichloropropane	ND	D02, W1	210	34	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,3,5-Trimethylbenzene	ND	D02, W1	210	64	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,3-Dichlorobenzene	ND	D02, W1	210	57	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,3-Dichloropropane	ND	D02, W1	210	39	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,4-Dichlorobenzene	ND	D02, W1	210	30	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
2-Butanone (MEK)	ND	D02, W1	1100	630	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
2-Hexanone	ND	D02, W1	1100	440	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
4-Isopropyltoluene	ND	D02, W1	210	72	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
4-Methyl-2-pentanone (MIBK)	ND	D02, W1	1100	68	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Acetone	ND	D02, W1	1100	870	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Benzene	ND	D02, W1	210	10	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Bromodichloromethane	ND	D02, W1	210	43	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Bromoform	ND	D02, W1	210	110	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Bromomethane	ND	D02, W1	210	47	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Carbon disulfide	ND	D02, W1	210	97	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Carbon Tetrachloride	ND	D02, W1	210	54	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Chlorobenzene	ND	D02, W1	210	28	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Chlorodibromomethane	ND	D02, W1	210	100	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Chloroethane	ND	D02, W1	210	44	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Chloroform	ND	D02, W1	210	150	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Chloromethane	ND	D02, W1	210	51	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
cis-1,2-Dichloroethene	ND	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
cis-1,3-Dichloropropene	ND	D02, W1	210	51	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Cyclohexane	ND	D02, W1	210	47	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Dichlorodifluoromethane	ND	D02, W1	210	93	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Ethylbenzene	ND	D02, W1	210	62	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Isopropylbenzene	ND	D02, W1	210	32	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Methyl Acetate	ND	D02, W1	210	100	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Methyl tert-Butyl Ether	ND	D02, W1	210	80	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Methylcyclohexane	**7300**	D02, W1	210	99	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Methylene Chloride	ND	D02, W1	210	42	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
m-Xylene & p-Xylene	ND	D02, W1	430	120	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
n-Butylbenzene	ND	D02, W1	210	62	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
n-Propylbenzene	ND	D02, W1	210	56	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
o-Xylene	ND	D02, W1	210	28	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TP-24 (15-17) (RTH1004-08 - Solid) - cont.						**Sampled: 08/16/10 14:50**		**Recvd: 08/18/10 12:15**		
Volatile Organic Compounds by EPA 8260B - cont.										
sec-Butylbenzene	**390**	D02, W1	210	78	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Styrene	ND	D02, W1	210	51	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
tert-Butylbenzene	**430**	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Tetrachloroethene	ND	D02, W1	210	29	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Toluene	ND	D02, W1	210	57	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
trans-1,2-Dichloroethene	ND	D02, W1	210	50	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
trans-1,3-Dichloropropene	ND	D02, W1	210	10	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Trichloroethene	ND	D02, W1	210	59	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Trichlorofluoromethane	ND	D02, W1	210	100	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Vinyl chloride	ND	D02, W1	210	71	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Xylenes, total	ND	D02, W1	430	36	ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
1,2-Dichloroethane-d4	*101 %*	*D02, W1*	*Surr Limits: (53-146%)*				*08/25/10 19:50*	*NMD*	*10H1768*	*8260B*
4-Bromofluorobenzene	*58 %*	*D02, W1*	*Surr Limits: (49-148%)*				*08/25/10 19:50*	*NMD*	*10H1768*	*8260B*
Toluene-d8	*62 %*	*D02, W1*	*Surr Limits: (50-149%)*				*08/25/10 19:50*	*NMD*	*10H1768*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**26000**		Ret Time: 7.365		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Cyclohexane, 1,1,3-trimethyl- (003073-66-3)	**20000**		Ret Time: 6.774		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**25000**		Ret Time: 6.945		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**48000**		Ret Time: 6.008		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**19000**		Ret Time: 6.622		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Unlnown01 (015869-89-3)	**40000**		Ret Time: 7.638		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Unlnown02 (013152-05-1)	**26000**		Ret Time: 7.815		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Unlnown03 (014676-29-0)	**20000**		Ret Time: 7.863		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Unlnown04 (062108-23-0)	**32000**		Ret Time: 7.985		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Unlnown05 (032281-85-9)	**18000**		Ret Time: 10.498		ug/kg dry	2.00	08/25/10 19:50	NMD	10H1768	8260B
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Chlorophenol	ND		180	9.0	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Methylphenol	ND		180	5.5	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-24 (15-17) (RTH1004-08 - Solid) - cont. **Sampled: 08/16/10 14:50** **Recvd: 08/18/10 12:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Methylphenol	ND		180	9.9	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(a)anthracene	**170**	J	180	3.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(ghi)perylene	**170**	J	180	2.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Bis(2-chloroethoxy)methane	ND		180	9.7	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Chrysene	**380**		180	1.8	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Diethyl phthalate	ND		180	5.4	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Isophorone	ND		180	8.9	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Nitrobenzene	ND		180	7.9	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Analytical Report

Client ID: TP-24 (15-17) (RTH1004-08 - Solid) - cont. **Sampled: 08/16/10 14:50** **Recvd: 08/18/10 12:15**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
N-Nitrosodiphenylamine	ND		180	9.7	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Phenanthrene	**2100**		180	3.7	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Phenol	ND		180	19	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
2,4,6-Tribromophenol	*100 %*		*Surr Limits: (39-146%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
2-Fluorobiphenyl	*88 %*		*Surr Limits: (37-120%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
2-Fluorophenol	*70 %*		*Surr Limits: (18-120%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
Nitrobenzene-d5	*94 %*		*Surr Limits: (34-132%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
Phenol-d5	*78 %*		*Surr Limits: (11-120%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
p-Terphenyl-d14	*80 %*		*Surr Limits: (58-147%)*				*08/21/10 17:48*	*JLG*	*10H1315*	*8270C*
Semivolatile Organics TICs by GC/MS										
Cyclohexane, 1-methyl-3-propyl- (004291-80-9)	**2400**	T7	Ret Time: 5.75		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Dodecane, 2-methyl-8-propyl- (055045-07-3)	**2300**	T7	Ret Time: 11.199		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Nonane, 4,5-dimethyl- (017302-23-7)	**1600**	T7	Ret Time: 6.012		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown01 (none)	**2500**	T7	Ret Time: 5.355		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown02 (none)	**2000**	T7	Ret Time: 6.124		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown03 (none)	**2400**	T7	Ret Time: 6.183		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown04 (none)	**2600**	T7	Ret Time: 6.263		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown05 (none)	**1700**	T7	Ret Time: 6.306		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown06 (none)	**1600**	T7	Ret Time: 6.386		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown07 (none)	**3600**	T7	Ret Time: 6.423		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown08 (none)	**2700**	T7	Ret Time: 6.605		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown09 (none)	**1600**	T7	Ret Time: 6.653		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown10 (none)	**3200**	T7	Ret Time: 6.867		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown11 (none)	**2700**	T7	Ret Time: 8.395		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown12 (none)	**2700**	T7	Ret Time: 8.998		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown13 (none)	**1900**	T7	Ret Time: 9.356		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown14 (none)	**6800**	T7	Ret Time: 9.762		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown15 (none)	**2700**	T7	Ret Time: 10.355		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown16 (none)	**2900**	T7	Ret Time: 10.419		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
Unknown17 (none)	**1600**	T7	Ret Time: 10.681		ug/kg dry	1.00	08/21/10 17:48	JLG	10H1315	8270C
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	08/19/10 13:29	JRR	10H1323	Dry Weight

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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/18/10
Reported: 09/07/10 11:27

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10H1323	RTH1004-01	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-04	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-05	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-06	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-07	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-08	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-09	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-10	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-11	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-12	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1004-13	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Herbicides									
8151A	10H1894	RTH1004-12	30.29	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
8151A	10H1894	RTH1004-01	30.44	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
Organochlorine Pesticides by EPA Method 8081A									
8081A	10H1605	RTH1004-12	30.12	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
8081A	10H1605	RTH1004-01	30.24	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
Polychlorinated Biphenyls by EPA Method 8082									
8082	10H1606	RTH1004-12	30.12	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
8082	10H1606	RTH1004-01	30.24	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
Semivolatile Organics by GC/MS									
8270C	10H1315	RTH1004-07	30.02	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-04	30.08	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-09	30.09	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-01	30.25	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-05	30.46	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-06	30.47	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-11	30.54	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-08	30.60	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-12	30.63	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-13	30.69	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-10	30.96	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
Semivolatile Organics TICs by GC/MS									
8270C	10H1315	RTH1004-07	30.02	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-04	30.08	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-09	30.09	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-01	30.25	g	1.00	mL	08/20/10 08:00	EKD	3550B MB

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Project: Benchmark-350 Franklin St./Olean, NY site
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Received: 08/18/10
Reported: 09/07/10 11:27

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8270C	10H1315	RTH1004-05	30.46	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-06	30.47	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-11	30.54	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-08	30.60	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-12	30.63	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-13	30.69	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
8270C	10H1315	RTH1004-10	30.96	g	1.00	mL	08/20/10 08:00	EKD	3550B MB
Tentatively Identified Compounds by EPA 8260B									
8260B	10H1611	RTH1004-05	0.97	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-10	1.15	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-09	1.17	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-06	5.19	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1413	RTH1004-13	1.01	g	5.00	mL	08/20/10 09:46	JRS	5030B MS
8260B	10H1768	RTH1004-07	5.04	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1004-08	5.05	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1004-04	5.10	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1413	RTH1004-12	0.75	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS
8260B	10H1413	RTH1004-01	1.00	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS
8260B	10H1413	RTH1004-11	5.00	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS
8260B	10H1848	RTH1004-06RE1	1.00	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
Total Metals by SW 846 Series Methods									
6010B	10H1801	RTH1004-12	0.46	g	50.00	mL	08/26/10 16:00	JRK	3050B
6010B	10H1801	RTH1004-01	0.53	g	50.00	mL	08/26/10 16:00	JRK	3050B
7471A	10H1558	RTH1004-01	0.61	g	50.00	mL	08/23/10 12:20	DAN	7471A_
7471A	10H1558	RTH1004-12	0.64	g	50.00	mL	08/23/10 12:20	DAN	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10H1611	RTH1004-05	0.97	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-10	1.15	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-09	1.17	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1611	RTH1004-06	5.19	g	5.00	mL	08/23/10 17:07	CDC	5030B MS
8260B	10H1413	RTH1004-13	1.01	g	5.00	mL	08/20/10 09:46	JRS	5030B MS
8260B	10H1768	RTH1004-07	5.04	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1004-08	5.05	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1004-04	5.10	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1413	RTH1004-12	0.75	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS
8260B	10H1413	RTH1004-01	1.00	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS
8260B	10H1413	RTH1004-11	5.00	g	5.00	mL	08/20/10 09:46	PJQ	5030B MS

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SAMPLE EXTRACTION DATA

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8260B	10H1848	RTH1004-06RE	1.00	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10H1323	RTH1006-01	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1006-02	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1006-03	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1006-04	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1006-05	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Dry Weight	10H1323	RTH1006-06	10.00	g	10.00	g	08/19/10 07:53	JRR	Dry Weight
Herbicides									
8151A	10H1894	RTH1006-06	30.62	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
8151A	10H1894	RTH1006-01	30.64	g	10.00	mL	08/27/10 08:00	BWM	8151A Solid Prep
Organochlorine Pesticides by EPA Method 8081A									
8081A	10H1605	RTH1006-06	30.18	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
8081A	10H1605	RTH1006-01	30.55	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
Polychlorinated Biphenyls by EPA Method 8082									
8082	10H1606	RTH1006-06	30.18	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
8082	10H1606	RTH1006-01	30.55	g	10.00	mL	08/24/10 09:00	CXM	3550B GC
Semivolatile Organics by GC/MS									
8270C	10H1316	RTH1006-04	30.04	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-03	30.13	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-05	30.30	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-02	30.77	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-06	30.86	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-01	30.89	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
Semivolatile Organics TICs by GC/MS									
8270C	10H1316	RTH1006-04	30.04	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-03	30.13	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-05	30.30	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-02	30.77	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-06	30.86	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
8270C	10H1316	RTH1006-01	30.89	g	1.00	mL	08/20/10 08:00	CXM	3550B MB
Tentatively Identified Compounds by EPA 8260B									
8260B	10H1768	RTH1006-01	5.01	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1006-06	5.16	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1661	RTH1006-05	5.20	g	5.00	mL	08/24/10 12:01	PJQ	5030B MS

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8260B	10H1848	RTH1006-04	5.02	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1848	RTH1006-03	5.03	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1848	RTH1006-02	5.09	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1768	RTH1006-01RE	5.01	g	500.00	mL	08/25/10 13:13	TRB	Methanol Prep
Total Metals by SW 846 Series Methods									
6010B	10H1801	RTH1006-06	0.51	g	50.00	mL	08/26/10 16:00	JRK	3050B
6010B	10H1801	RTH1006-01	0.51	g	50.00	mL	08/26/10 16:00	JRK	3050B
7471A	10H1558	RTH1006-01	0.62	g	50.00	mL	08/23/10 12:20	DAN	7471A_
7471A	10H1558	RTH1006-06	0.62	g	50.00	mL	08/23/10 12:20	DAN	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10H1768	RTH1006-01	5.01	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1768	RTH1006-06	5.16	g	500.00	mL	08/25/10 13:13	JRS	Methanol Prep
8260B	10H1661	RTH1006-05	5.20	g	5.00	mL	08/24/10 12:01	PJQ	5030B MS
8260B	10H1848	RTH1006-04	5.02	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1848	RTH1006-03	5.03	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1848	RTH1006-02	5.09	g	5.00	mL	08/26/10 08:58	PJQ	5030B MS
8260B	10H1768	RTH1006-01RE	5.01	g	500.00	mL	08/25/10 13:13	TRB	Methanol Prep

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/20/10 (Lab Number:10H1413-BLK1, Batch: 10H1413)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/20/10 (Lab Number:10H1413-BLK1, Batch: 10H1413)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*100*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*111*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*112*	*71-125*			
LCS Analyzed: 08/20/10 (Lab Number:10H1413-BS1, Batch: 10H1413)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	49.7	99	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	49.4	99	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	47.2	94	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/20/10 (Lab Number:10H1413-BS1, Batch: 10H1413)											
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	48.0	96	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	48.7	97	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	6.96		61-137			J
Benzene		50.0	5.0	0.24	ug/kg wet	48.7	97	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.6	97	76-124			
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	49.1	98	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	2.40		70-130			J
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	49.1	98	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	47.3	95	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	4.82		61-127			J
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	98.5	98	70-130			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	48.4	97	70-130			

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SDG Number: RTH1004

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Project Number: TURN-0016

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/20/10 (Lab Number:10H1413-BS1, Batch: 10H1413)											
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	50.0	100	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	54.5	109	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	49.4	99	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	48.7	97	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	147	98	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*109*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*112*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*111*	*71-125*			
Matrix Spike Analyzed: 08/20/10 (Lab Number:10H1413-MS1, Batch: 10H1413)											
QC Source Sample: RTH1004-01											
1,1,1-Trichloroethane	ND		26	1.9	ug/kg dry	ND		77-121			
1,1,2,2-Tetrachloroethane	ND		26	4.3	ug/kg dry	ND		80-120			
1,1,2-Trichloroethane	ND		26	3.4	ug/kg dry	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		26	6.0	ug/kg dry	ND		60-140			
1,1-Dichloroethane	ND	263	26	3.2	ug/kg dry	229	87	79-126			
1,1-Dichloroethene	ND	263	26	3.2	ug/kg dry	228	87	65-153			
1,2,4-Trichlorobenzene	ND		26	1.6	ug/kg dry	ND		64-120			
1,2,4-Trimethylbenzene	ND	263	26	5.1	ug/kg dry	123	47	74-120			M8
1,2-Dibromo-3-chloropropane	ND		26	13	ug/kg dry	ND		63-124			
1,2-Dibromoethane	ND		26	3.4	ug/kg dry	ND		78-120			
1,2-Dichlorobenzene	ND	263	26	2.1	ug/kg dry	147	56	75-120			M8
1,2-Dichloroethane	ND	263	26	1.3	ug/kg dry	204	78	77-122			
1,2-Dichloropropane	ND		26	13	ug/kg dry	ND		75-124			
1,3,5-Trimethylbenzene	ND		26	1.7	ug/kg dry	ND		74-120			
1,3-Dichlorobenzene	ND		26	1.4	ug/kg dry	ND		74-120			
1,4-Dichlorobenzene	ND		26	3.7	ug/kg dry	ND		73-120			
2-Butanone	ND		130	9.6	ug/kg dry	ND		70-134			
2-Hexanone	ND		130	13	ug/kg dry	ND		59-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/20/10 (Lab Number:10H1413-MS1, Batch: 10H1413)											
QC Source Sample: RTH1004-01											
p-Cymene	ND		26	2.1	ug/kg dry	ND		74-120			
4-Methyl-2-pentanone	ND		130	8.6	ug/kg dry	ND		65-133			
Acetone	36.8		130	22	ug/kg dry	ND		61-137			
Benzene	ND	263	26	1.3	ug/kg dry	224	85	79-127			
Bromodichloromethane	ND		26	3.5	ug/kg dry	ND		80-122			
Bromoform	ND		26	13	ug/kg dry	ND		68-126			
Bromomethane	ND		26	2.4	ug/kg dry	ND		37-149			
Carbon disulfide	ND		26	13	ug/kg dry	ND		64-131			
Carbon Tetrachloride	ND		26	2.6	ug/kg dry	ND		75-135			
Chlorobenzene	ND	263	26	3.5	ug/kg dry	201	76	76-124			
Dibromochloromethane	ND		26	3.4	ug/kg dry	ND		76-125			
Chloroethane	ND		26	6.0	ug/kg dry	ND		69-135			
Chloroform	ND		26	1.6	ug/kg dry	ND		80-118			
Chloromethane	ND		26	1.6	ug/kg dry	ND		63-127			
cis-1,2-Dichloroethene	ND	263	26	3.4	ug/kg dry	229	87	81-117			
cis-1,3-Dichloropropene	ND		26	3.8	ug/kg dry	ND		82-120			
Cyclohexane	ND		26	3.7	ug/kg dry	ND		70-130			
Dichlorodifluoromethane	ND		26	2.2	ug/kg dry	ND		57-142			
Ethylbenzene	ND	263	26	1.8	ug/kg dry	179	68	80-120			M8
Isopropylbenzene	ND		26	4.0	ug/kg dry	ND		72-120			
Methyl Acetate	ND		26	4.9	ug/kg dry	ND		60-140			
Methyl-t-Butyl Ether (MTBE)	ND	263	26	2.6	ug/kg dry	193	73	63-125			
Methylcyclohexane	ND		26	4.0	ug/kg dry	ND		60-140			
Methylene Chloride	68.8		26	12	ug/kg dry	43.9		61-127			
m-Xylene & p-Xylene	ND	527	53	4.4	ug/kg dry	350	66	70-130			M8
n-Butylbenzene	ND		26	2.3	ug/kg dry	ND		70-120			
n-Propylbenzene	ND		26	2.1	ug/kg dry	ND		70-130			
o-Xylene	ND	263	26	3.4	ug/kg dry	178	67	70-130			M8
sec-Butylbenzene	ND		26	2.3	ug/kg dry	ND		74-120			
Styrene	ND		26	1.3	ug/kg dry	ND		80-120			
tert-Butylbenzene	ND		26	2.7	ug/kg dry	ND		73-120			
Tetrachloroethene	ND	263	26	3.5	ug/kg dry	165	62	74-122			M8
Toluene	15.5	263	26	2.0	ug/kg dry	224	79	74-128			
trans-1,2-Dichloroethene	ND	263	26	2.7	ug/kg dry	228	87	78-126			
trans-1,3-Dichloropropene	ND		26	12	ug/kg dry	ND		73-123			
Trichloroethene	ND	263	26	5.8	ug/kg dry	226	86	77-129			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/20/10 (Lab Number:10H1413-MS1, Batch: 10H1413)											
QC Source Sample: RTH1004-01											
Trichlorofluoromethane	ND		26	2.5	ug/kg dry	ND		65-146			
Vinyl chloride	ND		26	3.2	ug/kg dry	ND		61-133			
Xylenes, total	ND	790	53	4.4	ug/kg dry	528	67	80-120			M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*86*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*101*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*103*	*71-125*			
Matrix Spike Dup Analyzed: 08/20/10 (Lab Number:10H1413-MSD1, Batch: 10H1413)											
QC Source Sample: RTH1004-01											
1,1,1-Trichloroethane	ND		25	1.8	ug/kg dry	ND		77-121		20	
1,1,2,2-Tetrachloroethane	ND		25	4.0	ug/kg dry	ND		80-120		20	
1,1,2-Trichloroethane	ND		25	3.2	ug/kg dry	ND		78-122		20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	5.6	ug/kg dry	ND		60-140		20	
1,1-Dichloroethane	ND	247	25	3.0	ug/kg dry	216	88	79-126	5	20	
1,1-Dichloroethene	ND	247	25	3.0	ug/kg dry	210	85	65-153	8	22	
1,2,4-Trichlorobenzene	ND		25	1.5	ug/kg dry	ND		64-120		20	
1,2,4-Trimethylbenzene	ND	247	25	4.7	ug/kg dry	125	51	74-120	1	20	M8
1,2-Dibromo-3-chloropropane	ND		25	12	ug/kg dry	ND		63-124		20	
1,2-Dibromoethane	ND		25	3.2	ug/kg dry	ND		78-120		20	
1,2-Dichlorobenzene	ND	247	25	1.9	ug/kg dry	143	58	75-120	3	20	M8
1,2-Dichloroethane	ND	247	25	1.2	ug/kg dry	195	79	77-122	4	20	
1,2-Dichloropropane	ND		25	12	ug/kg dry	ND		75-124		20	
1,3,5-Trimethylbenzene	ND		25	1.6	ug/kg dry	ND		74-120		20	
1,3-Dichlorobenzene	ND		25	1.3	ug/kg dry	ND		74-120		20	
1,4-Dichlorobenzene	ND		25	3.5	ug/kg dry	ND		73-120		20	
2-Butanone	ND		120	9.0	ug/kg dry	ND		70-134		20	
2-Hexanone	ND		120	12	ug/kg dry	ND		59-130		20	
p-Cymene	ND		25	2.0	ug/kg dry	ND		74-120		20	
4-Methyl-2-pentanone	ND		120	8.1	ug/kg dry	ND		65-133		20	
Acetone	36.8		120	21	ug/kg dry	21.8		61-137		15	J
Benzene	ND	247	25	1.2	ug/kg dry	210	85	79-127	6	20	
Bromodichloromethane	ND		25	3.3	ug/kg dry	ND		80-122		20	
Bromoform	ND		25	12	ug/kg dry	ND		68-126		20	
Bromomethane	ND		25	2.2	ug/kg dry	ND		37-149		20	
Carbon disulfide	ND		25	12	ug/kg dry	ND		64-131		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 08/20/10 (Lab Number:10H1413-MSD1, Batch: 10H1413)											
QC Source Sample: RTH1004-01											
Carbon Tetrachloride	ND		25	2.4	ug/kg dry	ND		75-135		20	
Chlorobenzene	ND	247	25	3.3	ug/kg dry	189	77	76-124	6	25	
Dibromochloromethane	ND		25	3.2	ug/kg dry	ND		76-125		20	
Chloroethane	ND		25	5.6	ug/kg dry	ND		69-135		20	
Chloroform	ND		25	1.5	ug/kg dry	ND		80-118		20	
Chloromethane	ND		25	1.5	ug/kg dry	ND		63-127		20	
cis-1,2-Dichloroethene	ND	247	25	3.2	ug/kg dry	212	86	81-117	7	20	
cis-1,3-Dichloropropene	ND		25	3.6	ug/kg dry	ND		82-120		20	
Cyclohexane	ND		25	3.5	ug/kg dry	ND		70-130		20	
Dichlorodifluoromethane	ND		25	2.0	ug/kg dry	ND		57-142		20	
Ethylbenzene	ND	247	25	1.7	ug/kg dry	169	69	80-120	6	20	M8
Isopropylbenzene	ND		25	3.7	ug/kg dry	ND		72-120		20	
Methyl Acetate	ND		25	4.6	ug/kg dry	ND		60-140		20	
Methyl-t-Butyl Ether (MTBE)	ND	247	25	2.4	ug/kg dry	180	73	63-125	7	20	
Methylcyclohexane	ND		25	3.7	ug/kg dry	ND		60-140		20	
Methylene Chloride	68.8		25	11	ug/kg dry	42.5		61-127	3	15	
m-Xylene & p-Xylene	ND	493	49	4.1	ug/kg dry	330	67	70-130	6	20	M8
n-Butylbenzene	ND		25	2.1	ug/kg dry	ND		70-120		20	
n-Propylbenzene	ND		25	2.0	ug/kg dry	ND		70-130		20	
o-Xylene	ND	247	25	3.2	ug/kg dry	167	68	70-130	6	20	M8
sec-Butylbenzene	ND		25	2.1	ug/kg dry	ND		74-120		20	
Styrene	ND		25	1.2	ug/kg dry	ND		80-120		20	
tert-Butylbenzene	ND		25	2.6	ug/kg dry	ND		73-120		20	
Tetrachloroethene	ND	247	25	3.3	ug/kg dry	156	63	74-122	5	20	M8
Toluene	15.5	247	25	1.9	ug/kg dry	207	78	74-128	8	20	
trans-1,2-Dichloroethene	ND	247	25	2.5	ug/kg dry	210	85	78-126	8	20	
trans-1,3-Dichloropropene	ND		25	11	ug/kg dry	ND		73-123		20	
Trichloroethene	ND	247	25	5.4	ug/kg dry	207	84	77-129	8	24	
Trichlorofluoromethane	ND		25	2.3	ug/kg dry	ND		65-146		20	
Vinyl chloride	ND		25	3.0	ug/kg dry	ND		61-133		20	
Xylenes, total	ND	740	49	4.1	ug/kg dry	497	67	80-120	6	20	M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*88*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*103*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*105*	*71-125*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/23/10 (Lab Number:10H1611-BLK1, Batch: 10H1611)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					

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Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/23/10 (Lab Number:10H1611-BLK1, Batch: 10H1611)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*95*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*113*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*110*	*71-125*			
LCS Analyzed: 08/23/10 (Lab Number:10H1611-BS1, Batch: 10H1611)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	44.5	89	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	44.5	89	65-153			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	40.7	81	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/23/10 (Lab Number:10H1611-BS1, Batch: 10H1611)											
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	42.4	85	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	44.7	89	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	4.92		61-137			J
Benzene		50.0	5.0	0.24	ug/kg wet	44.6	89	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	44.6	89	76-124			
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	44.5	89	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	44.3	89	80-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	44.0	88	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	3.07		61-127			J
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	89.8	90	70-130			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	44.3	89	70-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/23/10 (Lab Number:10H1611-BS1, Batch: 10H1611)											
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	45.1	90	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	48.0	96	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	44.5	89	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	44.9	90	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	134	89	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*97*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*110*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*102*	*71-125*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/24/10 (Lab Number:10H1661-BLK1, Batch: 10H1661)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/24/10 (Lab Number:10H1661-BLK1, Batch: 10H1661)											
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/24/10 (Lab Number:10H1661-BLK1, Batch: 10H1661)											
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*95*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*111*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*103*	*71-125*			
LCS Analyzed: 08/24/10 (Lab Number:10H1661-BS1, Batch: 10H1661)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	49.0	98	77-121			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	39.3	79	80-120			N1
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	43.4	87	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	50.7	101	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	48.0	96	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	44.6	89	65-153			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	44.0	88	64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	43.8	88	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	35.4	71	63-124			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	44.3	89	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	43.5	87	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	47.1	94	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	47.4	95	75-124			
1,3,5-Trimethylbenzene		50.0	5.0	0.32	ug/kg wet	43.7	87	74-120			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	44.5	89	74-120			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	44.0	88	73-120			
2-Butanone		250	25	1.8	ug/kg wet	218	87	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	212	85	59-130			
p-Cymene		50.0	5.0	0.40	ug/kg wet	45.6	91	74-120			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	213	85	65-133			
Acetone		250	25	4.2	ug/kg wet	213	85	61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	48.2	96	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	46.9	94	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	39.8	80	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	106	212	37-149			L
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	47.6	95	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	48.0	96	75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	46.0	92	76-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/24/10 (Lab Number:10H1661-BS1, Batch: 10H1661)											
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	42.9	86	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	71.2	142	69-135			L
Chloroform		50.0	5.0	0.31	ug/kg wet	47.9	96	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	51.9	104	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	48.6	97	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	45.8	92	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	50.4	101	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	47.0	94	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	46.4	93	80-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	41.6	83	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	66.8	134	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	43.7	87	63-125			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	51.7	103	60-140			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	50.9	102	61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	93.5	93	70-130			
n-Butylbenzene		50.0	5.0	0.44	ug/kg wet	44.4	89	70-120			
n-Propylbenzene		50.0	5.0	0.40	ug/kg wet	44.2	88	70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	46.0	92	70-130			
sec-Butylbenzene		50.0	5.0	0.44	ug/kg wet	44.3	89	74-120			
Styrene		50.0	5.0	0.25	ug/kg wet	42.0	84	80-120			
tert-Butylbenzene		50.0	5.0	0.52	ug/kg wet	43.6	87	73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	48.0	96	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	49.8	100	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	44.6	89	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	42.2	84	73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	48.2	96	77-129			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	61.8	124	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	52.8	106	61-133			
Xylenes, total		150	10	0.84	ug/kg wet	140	93	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*97*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*114*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*106*	*71-125*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/25/10 (Lab Number:10H1768-BLK1, Batch: 10H1768)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/25/10 (Lab Number:10H1768-BLK1, Batch: 10H1768)											
1,1,1-Trichloroethane			100	28	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			100	16	ug/kg wet	ND					
1,1,2-Trichloroethane			100	21	ug/kg wet	ND					
1,1,2-Trichlorotrifluoroethane			100	50	ug/kg wet	ND					
1,1-Dichloroethane			100	31	ug/kg wet	ND					
1,1-Dichloroethene			100	35	ug/kg wet	ND					
1,2,4-Trichlorobenzene			100	38	ug/kg wet	ND					
1,2,4-Trimethylbenzene			100	28	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			100	50	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			100	3.8	ug/kg wet	ND					
1,2-Dichlorobenzene			100	26	ug/kg wet	ND					
1,2-Dichloroethane			100	41	ug/kg wet	ND					
1,2-Dichloropropane			100	16	ug/kg wet	ND					
1,3,5-Trimethylbenzene			100	30	ug/kg wet	ND					
1,3-Dichlorobenzene			100	27	ug/kg wet	ND					
1,3-Dichloropropane			100	18	ug/kg wet	ND					
1,4-Dichlorobenzene			100	14	ug/kg wet	ND					
2-Butanone (MEK)			500	300	ug/kg wet	ND					
2-Hexanone			500	200	ug/kg wet	ND					
4-Isopropyltoluene			100	34	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			500	32	ug/kg wet	ND					
Acetone			500	410	ug/kg wet	ND					
Benzene			100	4.8	ug/kg wet	ND					
Bromodichloromethane			100	20	ug/kg wet	ND					
Bromoform			100	50	ug/kg wet	ND					
Bromomethane			100	22	ug/kg wet	ND					
Carbon disulfide			100	46	ug/kg wet	ND					
Carbon Tetrachloride			100	26	ug/kg wet	ND					
Chlorobenzene			100	13	ug/kg wet	ND					
Chlorodibromomethane			100	48	ug/kg wet	ND					
Chloroethane			100	21	ug/kg wet	ND					
Chloroform			100	69	ug/kg wet	ND					
Chloromethane			100	24	ug/kg wet	ND					
cis-1,2-Dichloroethene			100	28	ug/kg wet	ND					
cis-1,3-Dichloropropene			100	24	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/25/10 (Lab Number:10H1768-BLK1, Batch: 10H1768)											
Cyclohexane			100	22	ug/kg wet	ND					
Dichlorodifluoromethane			100	44	ug/kg wet	ND					
Ethylbenzene			100	29	ug/kg wet	ND					
Isopropylbenzene			100	15	ug/kg wet	ND					
Methyl Acetate			100	48	ug/kg wet	ND					
Methyl tert-Butyl Ether			100	38	ug/kg wet	ND					
Methylcyclohexane			100	47	ug/kg wet	ND					
Methylene Chloride			100	20	ug/kg wet	ND					
m-Xylene & p-Xylene			200	55	ug/kg wet	ND					
n-Butylbenzene			100	29	ug/kg wet	ND					
n-Propylbenzene			100	26	ug/kg wet	ND					
o-Xylene			100	13	ug/kg wet	ND					
sec-Butylbenzene			100	37	ug/kg wet	ND					
Styrene			100	24	ug/kg wet	ND					
tert-Butylbenzene			100	28	ug/kg wet	ND					
Tetrachloroethene			100	13	ug/kg wet	ND					
Toluene			100	27	ug/kg wet	ND					
trans-1,2-Dichloroethene			100	24	ug/kg wet	ND					
trans-1,3-Dichloropropene			100	4.8	ug/kg wet	ND					
Trichloroethene			100	28	ug/kg wet	ND					
Trichlorofluoromethane			100	47	ug/kg wet	ND					
Vinyl chloride			100	34	ug/kg wet	ND					
Xylenes, total			200	17	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*104*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*100*	*49-148*			
Surrogate: Toluene-d8					*ug/kg wet*		*103*	*50-149*			
LCS Analyzed: 08/25/10 (Lab Number:10H1768-BS1, Batch: 10H1768)											
1,1-Dichloroethene		2500	100	35	ug/kg wet	1660	66	54-144			
Benzene		2500	100	4.8	ug/kg wet	2800	112	75-131			
Chlorobenzene		2500	100	13	ug/kg wet	2820	113	80-127			
Toluene		2500	100	27	ug/kg wet	2780	111	76-133			
Trichloroethene		2500	100	28	ug/kg wet	2870	115	77-130			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*102*	*53-146*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*102*	*49-148*			

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Volatile Organic Compounds by EPA 8260B

LCS Analyzed: 08/25/10 (Lab Number:10H1768-BS1, Batch: 10H1768)

Surrogate: Toluene-d8			*ug/kg wet*	*105*	*50-149*

Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 08/26/10 (Lab Number:10H1848-BLK1, Batch: 10H1848)

1,1,1-Trichloroethane	5.0	0.36	ug/kg wet	ND
1,1,2,2-Tetrachloroethane	5.0	0.81	ug/kg wet	ND
1,1,2-Trichloroethane	5.0	0.65	ug/kg wet	ND
1,1,2-Trichloro-1,2,2-triflu oroethane	5.0	1.1	ug/kg wet	ND
1,1-Dichloroethane	5.0	0.61	ug/kg wet	ND
1,1-Dichloroethene	5.0	0.61	ug/kg wet	ND
1,2,4-Trichlorobenzene	5.0	0.30	ug/kg wet	ND
1,2,4-Trimethylbenzene	5.0	0.96	ug/kg wet	ND
1,2-Dibromo-3-chloroprop ane	5.0	2.5	ug/kg wet	ND
1,2-Dibromoethane	5.0	0.64	ug/kg wet	ND
1,2-Dichlorobenzene	5.0	0.39	ug/kg wet	ND
1,2-Dichloroethane	5.0	0.25	ug/kg wet	ND
1,2-Dichloropropane	5.0	2.5	ug/kg wet	ND
1,3,5-Trimethylbenzene	5.0	0.32	ug/kg wet	ND
1,3-Dichlorobenzene	5.0	0.26	ug/kg wet	ND
1,4-Dichlorobenzene	5.0	0.70	ug/kg wet	ND
2-Butanone	25	1.8	ug/kg wet	ND
2-Hexanone	25	2.5	ug/kg wet	ND
p-Cymene	5.0	0.40	ug/kg wet	ND
4-Methyl-2-pentanone	25	1.6	ug/kg wet	ND
Acetone	25	4.2	ug/kg wet	ND
Benzene	5.0	0.24	ug/kg wet	ND
Bromodichloromethane	5.0	0.67	ug/kg wet	ND
Bromoform	5.0	2.5	ug/kg wet	ND
Bromomethane	5.0	0.45	ug/kg wet	ND
Carbon disulfide	5.0	2.5	ug/kg wet	ND
Carbon Tetrachloride	5.0	0.48	ug/kg wet	ND
Chlorobenzene	5.0	0.66	ug/kg wet	ND
Dibromochloromethane	5.0	0.64	ug/kg wet	ND
Chloroethane	5.0	1.1	ug/kg wet	ND
Chloroform	5.0	0.31	ug/kg wet	ND
Chloromethane	5.0	0.30	ug/kg wet	ND
cis-1,2-Dichloroethene	5.0	0.64	ug/kg wet	ND
cis-1,3-Dichloropropene	5.0	0.72	ug/kg wet	ND
Cyclohexane	5.0	0.70	ug/kg wet	ND
Dichlorodifluoromethane	5.0	0.41	ug/kg wet	ND

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/26/10 (Lab Number:10H1848-BLK1, Batch: 10H1848)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*112*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*107*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*118*	*71-125*			
LCS Analyzed: 08/26/10 (Lab Number:10H1848-BS1, Batch: 10H1848)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	52.6	105	77-121			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	42.4	85	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	48.6	97	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	59.0	118	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	54.6	109	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	50.1	100	65-153			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	45.3	91	64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	47.4	95	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	35.2	70	63-124			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/26/10 (Lab Number:10H1848-BS1, Batch: 10H1848)											
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	48.3	97	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	47.2	94	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	52.0	104	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	52.4	105	75-124			
1,3,5-Trimethylbenzene		50.0	5.0	0.32	ug/kg wet	47.7	95	74-120			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	48.5	97	74-120			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	47.9	96	73-120			
2-Butanone		250	25	1.8	ug/kg wet	236	94	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	225	90	59-130			
p-Cymene		50.0	5.0	0.40	ug/kg wet	48.8	98	74-120			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	232	93	65-133			
Acetone		250	25	4.2	ug/kg wet	235	94	61-137			
Benzene		50.0	5.0	0.24	ug/kg wet	53.8	108	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	50.2	100	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	40.3	81	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	56.4	113	37-149			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	54.1	108	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	51.8	104	75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	51.4	103	76-124			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	45.5	91	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	58.4	117	69-135			
Chloroform		50.0	5.0	0.31	ug/kg wet	53.8	108	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	56.6	113	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	54.4	109	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	49.6	99	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	56.2	112	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	48.2	96	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	50.8	102	80-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	45.0	90	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	68.4	137	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	48.3	97	63-125			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	56.4	113	60-140			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	53.1	106	61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	102	102	70-130			
n-Butylbenzene		50.0	5.0	0.44	ug/kg wet	47.2	94	70-120			
n-Propylbenzene		50.0	5.0	0.40	ug/kg wet	48.3	97	70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	50.2	100	70-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/26/10 (Lab Number:10H1848-BS1, Batch: 10H1848)											
sec-Butylbenzene		50.0	5.0	0.44	ug/kg wet	47.8	96	74-120			
Styrene		50.0	5.0	0.25	ug/kg wet	45.8	92	80-120			
tert-Butylbenzene		50.0	5.0	0.52	ug/kg wet	46.8	94	73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	52.3	105	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	51.7	103	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	50.1	100	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	46.1	92	73-123			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	52.4	105	77-129			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	67.0	134	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	58.0	116	61-133			
Xylenes, total		150	10	0.84	ug/kg wet	153	102	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*114*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*113*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*119*	*71-125*			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/20/10 (Lab Number:10H1413-BLK1, Batch: 10H1413)											
Ethane, 1,1-difluoro-			NA	NR	ug/kg wet	14					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/23/10 (Lab Number:10H1611-BLK1, Batch: 10H1611)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/24/10 (Lab Number:10H1661-BLK1, Batch: 10H1661)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/25/10 (Lab Number:10H1768-BLK1, Batch: 10H1768)											
No TICs found			NA	NR	ug/kg wet	ND					
Tentatively Identified Compounds by EPA 8260B											
Blank Analyzed: 08/26/10 (Lab Number:10H1848-BLK1, Batch: 10H1848)											
No TICs found			NA	NR	ug/kg wet	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1315-BLK1, Batch: 10H1315)											
2,4,5-Trichlorophenol			170	37	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND					
2,4-Dimethylphenol			170	46	ug/kg wet	ND					
2,4-Dinitrophenol			330	59	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.6	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.2	ug/kg wet	ND					
2-Nitroaniline			330	54	ug/kg wet	ND					
2-Nitrophenol			170	7.7	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	39	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	54	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND					
4-Methylphenol			170	9.4	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	41	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.7	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.5	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.1	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.3	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.9	ug/kg wet	ND					
Biphenyl			170	11	ug/kg wet	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1315-BLK1, Batch: 10H1315)											
Bis(2-chloroethoxy)methane			170	9.2	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	15	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	18	ug/kg wet	ND					
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	73	ug/kg wet	ND					
Carbazole			170	2.0	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.8	ug/kg wet	ND					
Diethyl phthalate			170	5.1	ug/kg wet	ND					
Dimethyl phthalate			170	4.4	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.9	ug/kg wet	ND					
Hexachlorobenzene			170	8.4	ug/kg wet	ND					
Hexachlorobutadiene			170	8.6	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.7	ug/kg wet	ND					
Isophorone			170	8.4	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.5	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.2	ug/kg wet	ND					
Pentachlorophenol			330	58	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*93*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*68*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*56*	*18-120*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1315-BLK1, Batch: 10H1315)											
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*61*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*59*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*88*	*58-147*			
LCS Analyzed: 08/21/10 (Lab Number:10H1315-BS1, Batch: 10H1315)											
2,4,5-Trichlorophenol			170	37	ug/kg wet	ND		59-126			
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123			
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND		52-120			
2,4-Dimethylphenol			170	45	ug/kg wet	ND		36-120			
2,4-Dinitrophenol			330	59	ug/kg wet	ND		35-146			
2,4-Dinitrotoluene		3310	170	26	ug/kg wet	3080	93	55-125			
2,6-Dinitrotoluene			170	41	ug/kg wet	ND		66-128			
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120			
2-Chlorophenol		4960	170	8.5	ug/kg wet	3480	70	38-120			
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120			
2-Methylphenol			170	5.2	ug/kg wet	ND		48-120			
2-Nitroaniline			330	54	ug/kg wet	ND		61-130			
2-Nitrophenol			170	7.7	ug/kg wet	ND		50-120			
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND		48-126			
3-Nitroaniline			330	39	ug/kg wet	ND		61-127			
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND		49-155			
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND		58-131			
4-Chloro-3-methylphenol		4960	170	6.9	ug/kg wet	4280	86	49-125			
4-Chloroaniline			170	49	ug/kg wet	ND		49-120			
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND		63-124			
4-Methylphenol			170	9.3	ug/kg wet	ND		50-119			
4-Nitroaniline			330	19	ug/kg wet	ND		63-128			
4-Nitrophenol		4960	330	41	ug/kg wet	5430	109	43-137			
Acenaphthene		3310	170	2.0	ug/kg wet	2790	84	53-120			
Acenaphthylene			170	1.4	ug/kg wet	ND		58-121			
Acetophenone			170	8.6	ug/kg wet	ND		66-120			
Anthracene			170	4.3	ug/kg wet	ND		62-129			
Atrazine			170	7.5	ug/kg wet	ND		73-133			
Benzaldehyde			170	18	ug/kg wet	ND		21-120			
Benzo(a)anthracene			170	2.9	ug/kg wet	ND		65-133			
Benzo(a)pyrene			170	4.0	ug/kg wet	ND		64-127			

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Project Number: TURN-0016

Received: 08/18/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/21/10 (Lab Number:10H1315-BS1, Batch: 10H1315)											
Benzo(b)fluoranthene			170	3.3	ug/kg wet	ND		64-135			
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152			
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND		58-138			
Biphenyl			170	10	ug/kg wet	ND		71-120			
Bis(2-chloroethoxy)methane			170	9.1	ug/kg wet	ND		61-133			
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND		45-120			
2,2'-Oxybis(1-Chloropropane)			170	18	ug/kg wet	ND		44-120			
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND		61-133			
Butyl benzyl phthalate			170	45	ug/kg wet	ND		61-129			
Caprolactam			170	72	ug/kg wet	ND		54-133			
Carbazole			170	1.9	ug/kg wet	ND		59-129			
Chrysene			170	1.7	ug/kg wet	ND		64-131			
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND		54-148			
Dibenzofuran			170	1.7	ug/kg wet	ND		56-120			
Diethyl phthalate			170	5.1	ug/kg wet	ND		66-126			
Dimethyl phthalate			170	4.4	ug/kg wet	ND		65-124			
Di-n-butyl phthalate			170	58	ug/kg wet	ND		58-130			
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133			
Fluoranthene			170	2.4	ug/kg wet	30.8		62-131			J
Fluorene			170	3.9	ug/kg wet	ND		63-126			
Hexachlorobenzene			170	8.3	ug/kg wet	ND		60-132			
Hexachlorobutadiene			170	8.6	ug/kg wet	ND		45-120			
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND		31-120			
Hexachloroethane			170	13	ug/kg wet	ND		41-120			
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND		56-149			
Isophorone			170	8.4	ug/kg wet	ND		56-120			
Naphthalene			170	2.8	ug/kg wet	ND		46-120			
Nitrobenzene			170	7.4	ug/kg wet	ND		49-120			
N-Nitrosodi-n-propylamine		3310	170	13	ug/kg wet	2560	77	46-120			
N-Nitrosodiphenylamine			170	9.2	ug/kg wet	ND		20-119			
Pentachlorophenol		4960	330	57	ug/kg wet	5650	114	33-136			
Phenanthrene			170	3.5	ug/kg wet	ND		60-130			
Phenol		4960	170	18	ug/kg wet	3540	71	36-120			
Pyrene		3310	170	1.1	ug/kg wet	3300	100	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/21/10 (Lab Number:10H1315-BS1, Batch: 10H1315)											
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*110*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*90*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*73*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*82*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*80*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*97*	*58-147*			
Matrix Spike Analyzed: 08/21/10 (Lab Number:10H1315-MS1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
2,4,5-Trichlorophenol	ND		180	38	ug/kg dry	ND		59-126			
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	ND		59-123			
2,4-Dichlorophenol	ND		180	9.2	ug/kg dry	ND		52-120			
2,4-Dimethylphenol	ND		180	48	ug/kg dry	ND		36-120			
2,4-Dinitrophenol	ND		340	62	ug/kg dry	ND		35-146			
2,4-Dinitrotoluene	ND	3480	180	27	ug/kg dry	3120	90	55-125			
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	ND		66-128			
2-Chloronaphthalene	ND		180	12	ug/kg dry	ND		57-120			
2-Chlorophenol	ND	5220	180	9.0	ug/kg dry	3410	65	38-120			
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	ND		47-120			
2-Methylphenol	ND		180	5.4	ug/kg dry	ND		48-120			
2-Nitroaniline	ND		340	57	ug/kg dry	ND		61-130			
2-Nitrophenol	ND		180	8.1	ug/kg dry	ND		50-120			
3,3'-Dichlorobenzidine	ND		180	150	ug/kg dry	ND		48-126			
3-Nitroaniline	ND		340	41	ug/kg dry	ND		61-127			
4,6-Dinitro-2-methylphenol	ND		340	61	ug/kg dry	ND		49-155			
4-Bromophenyl phenyl ether	ND		180	56	ug/kg dry	ND		58-131			
4-Chloro-3-methylphenol	ND	5220	180	7.3	ug/kg dry	4660	89	49-125			
4-Chloroaniline	ND		180	52	ug/kg dry	ND		49-120			
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	ND		63-124			
4-Methylphenol	ND		180	9.8	ug/kg dry	ND		50-119			
4-Nitroaniline	ND		340	20	ug/kg dry	ND		63-128			
4-Nitrophenol	ND	5220	340	43	ug/kg dry	6720	129	43-137			
Acenaphthene	ND	3480	180	2.1	ug/kg dry	3300	95	53-120			
Acenaphthylene	ND		180	1.4	ug/kg dry	ND		58-121			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/21/10 (Lab Number:10H1315-MS1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
Acetophenone	ND		180	9.0	ug/kg dry	ND		66-120			
Anthracene	ND		180	4.5	ug/kg dry	ND		62-129			
Atrazine	ND		180	7.8	ug/kg dry	ND		73-133			
Benzaldehyde	ND		180	19	ug/kg dry	ND		21-120			
Benzo(a)anthracene	ND		180	3.0	ug/kg dry	ND		65-133			
Benzo(a)pyrene	ND		180	4.2	ug/kg dry	ND		64-127			
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	ND		64-135			
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	ND		50-152			
Benzo(k)fluoranthene	ND		180	1.9	ug/kg dry	ND		58-138			
Biphenyl	ND		180	11	ug/kg dry	ND		71-120			
Bis(2-chloroethoxy)methane	ND		180	9.6	ug/kg dry	ND		61-133			
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	ND		45-120			
2,2'-Oxybis(1-Chloropropane)	ND		180	18	ug/kg dry	ND		44-120			
Bis(2-ethylhexyl) phthalate	ND		180	57	ug/kg dry	ND		61-133			
Butyl benzyl phthalate	ND		180	47	ug/kg dry	ND		61-129			
Caprolactam	ND		180	76	ug/kg dry	ND		54-133			
Carbazole	ND		180	2.0	ug/kg dry	ND		59-129			
Chrysene	ND		180	1.8	ug/kg dry	213		64-131			
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	ND		54-148			
Dibenzofuran	ND		180	1.8	ug/kg dry	ND		56-120			
Diethyl phthalate	ND		180	5.3	ug/kg dry	ND		66-126			
Dimethyl phthalate	ND		180	4.6	ug/kg dry	ND		65-124			
Di-n-butyl phthalate	ND		180	61	ug/kg dry	ND		58-130			
Di-n-octyl phthalate	ND		180	4.1	ug/kg dry	ND		62-133			
Fluoranthene	ND		180	2.6	ug/kg dry	ND		62-131			
Fluorene	ND		180	4.1	ug/kg dry	ND		63-126			
Hexachlorobenzene	ND		180	8.8	ug/kg dry	ND		60-132			
Hexachlorobutadiene	ND		180	9.0	ug/kg dry	ND		45-120			
Hexachlorocyclopentadiene	ND		180	53	ug/kg dry	ND		31-120			
Hexachloroethane	ND		180	14	ug/kg dry	ND		41-120			
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	ND		56-149			
Isophorone	ND		180	8.8	ug/kg dry	ND		56-120			
Naphthalene	ND		180	2.9	ug/kg dry	ND		46-120			
Nitrobenzene	ND		180	7.8	ug/kg dry	ND		49-120			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 08/21/10 (Lab Number:10H1315-MS1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
N-Nitrosodi-n-propylamine	ND	3480	180	14	ug/kg dry	2430	70	46-120			
N-Nitrosodiphenylamine	ND		180	9.6	ug/kg dry	ND		20-119			
Pentachlorophenol	ND	5220	340	60	ug/kg dry	5330	102	33-136			
Phenanthrene	ND		180	3.7	ug/kg dry	ND		60-130			
Phenol	ND	5220	180	19	ug/kg dry	3450	66	36-120			
Pyrene	ND	3480	180	1.1	ug/kg dry	3520	101	51-133			
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*106*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*88*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg dry*		*59*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*73*	*34-132*			
Surrogate: Phenol-d5					*ug/kg dry*		*67*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*88*	*58-147*			
Matrix Spike Dup Analyzed: 08/21/10 (Lab Number:10H1315-MSD1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	ND		59-126		18	
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	ND		59-123		19	
2,4-Dichlorophenol	ND		180	9.4	ug/kg dry	ND		52-120		19	
2,4-Dimethylphenol	ND		180	49	ug/kg dry	ND		36-120		42	
2,4-Dinitrophenol	ND		350	63	ug/kg dry	ND		35-146		22	
2,4-Dinitrotoluene	ND	3560	180	28	ug/kg dry	3320	93	55-125	6	20	
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	ND		66-128		15	
2-Chloronaphthalene	ND		180	12	ug/kg dry	ND		57-120		21	
2-Chlorophenol	ND	5340	180	9.2	ug/kg dry	4260	80	38-120	22	25	
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	ND		47-120		21	
2-Methylphenol	ND		180	5.5	ug/kg dry	ND		48-120		27	
2-Nitroaniline	ND		350	58	ug/kg dry	ND		61-130		15	
2-Nitrophenol	ND		180	8.2	ug/kg dry	ND		50-120		18	
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	ND		48-126		25	
3-Nitroaniline	ND		350	41	ug/kg dry	ND		61-127		19	
4,6-Dinitro-2-methylphenol	ND		350	62	ug/kg dry	ND		49-155		15	
4-Bromophenyl phenyl ether	ND		180	57	ug/kg dry	ND		58-131		15	
4-Chloro-3-methylphenol	ND	5340	180	7.4	ug/kg dry	5190	97	49-125	11	27	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/21/10 (Lab Number:10H1315-MSD1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
4-Chloroaniline	ND		180	53	ug/kg dry	ND		49-120		22	
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	ND		63-124		16	
4-Methylphenol	ND		180	10	ug/kg dry	ND		50-119		24	
4-Nitroaniline	ND		350	20	ug/kg dry	ND		63-128		24	
4-Nitrophenol	ND	5340	350	44	ug/kg dry	6770	127	43-137	0.7	25	
Acenaphthene	ND	3560	180	2.1	ug/kg dry	3550	100	53-120	7	35	
Acenaphthylene	ND		180	1.5	ug/kg dry	ND		58-121		18	
Acetophenone	ND		180	9.2	ug/kg dry	ND		66-120		20	
Anthracene	ND		180	4.6	ug/kg dry	ND		62-129		15	
Atrazine	ND		180	8.0	ug/kg dry	ND		73-133		20	
Benzaldehyde	ND		180	20	ug/kg dry	ND		21-120		20	
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	ND		65-133		15	
Benzo(a)pyrene	ND		180	4.3	ug/kg dry	ND		64-127		15	
Benzo(b)fluoranthene	ND		180	3.5	ug/kg dry	ND		64-135		15	
Benzo(ghi)perylene	ND		180	2.2	ug/kg dry	ND		50-152		15	
Benzo(k)fluoranthene	ND		180	2.0	ug/kg dry	ND		58-138		22	
Biphenyl	ND		180	11	ug/kg dry	ND		71-120		20	
Bis(2-chloroethoxy)methane	ND		180	9.8	ug/kg dry	ND		61-133		17	
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	ND		45-120		21	
2,2'-Oxybis(1-Chloropropane)	ND		180	19	ug/kg dry	ND		44-120		24	
Bis(2-ethylhexyl) phthalate	ND		180	58	ug/kg dry	ND		61-133		15	
Butyl benzyl phthalate	ND		180	48	ug/kg dry	ND		61-129		16	
Caprolactam	ND		180	78	ug/kg dry	ND		54-133		20	
Carbazole	ND		180	2.1	ug/kg dry	ND		59-129		20	
Chrysene	ND		180	1.8	ug/kg dry	192		64-131	10	15	
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	ND		54-148		15	
Dibenzofuran	ND		180	1.9	ug/kg dry	ND		56-120		15	
Diethyl phthalate	ND		180	5.4	ug/kg dry	ND		66-126		15	
Dimethyl phthalate	ND		180	4.7	ug/kg dry	ND		65-124		15	
Di-n-butyl phthalate	ND		180	62	ug/kg dry	ND		58-130		15	
Di-n-octyl phthalate	ND		180	4.2	ug/kg dry	ND		62-133		16	
Fluoranthene	ND		180	2.6	ug/kg dry	ND		62-131		15	
Fluorene	ND		180	4.1	ug/kg dry	ND		63-126		15	
Hexachlorobenzene	ND		180	8.9	ug/kg dry	ND		60-132		15	
Hexachlorobutadiene	ND		180	9.2	ug/kg dry	ND		45-120		44	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 08/21/10 (Lab Number:10H1315-MSD1, Batch: 10H1315)											
QC Source Sample: RTH1004-01											
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	ND		31-120		49	
Hexachloroethane	ND		180	14	ug/kg dry	ND		41-120		46	
Indeno(1,2,3-cd)pyrene	ND		180	5.0	ug/kg dry	ND		56-149		15	
Isophorone	ND		180	9.0	ug/kg dry	ND		56-120		17	
Naphthalene	ND		180	3.0	ug/kg dry	ND		46-120		29	
Nitrobenzene	ND		180	8.0	ug/kg dry	ND		49-120		24	
N-Nitrosodi-n-propylamine	ND	3560	180	14	ug/kg dry	3140	88	46-120	25	31	
N-Nitrosodiphenylamine	ND		180	9.8	ug/kg dry	ND		20-119		15	
Pentachlorophenol	ND	5340	350	62	ug/kg dry	5730	107	33-136	7	35	
Phenanthrene	ND		180	3.8	ug/kg dry	ND		60-130		15	
Phenol	ND	5340	180	19	ug/kg dry	4080	76	36-120	17	35	
Pyrene	ND	3560	180	1.2	ug/kg dry	3620	102	51-133	3	35	
Surrogate: 2,4,6-Tribromophenol					*ug/kg dry*		*111*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*94*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg dry*		*69*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*83*	*34-132*			
Surrogate: Phenol-d5					*ug/kg dry*		*79*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*91*	*58-147*			
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1316-BLK1, Batch: 10H1316)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND					
2,4-Dimethylphenol			170	45	ug/kg wet	ND					
2,4-Dinitrophenol			330	59	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.5	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.1	ug/kg wet	ND					
2-Nitroaniline			330	54	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1316-BLK1, Batch: 10H1316)											
2-Nitrophenol			170	7.6	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND					
4-Methylphenol			170	9.3	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	41	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.6	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.4	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					
Bis(2-chloroethoxy)methane			170	9.1	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	72	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.1	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1316-BLK1, Batch: 10H1316)											
Dimethyl phthalate			170	4.4	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.9	ug/kg wet	ND					
Hexachlorobenzene			170	8.3	ug/kg wet	ND					
Hexachlorobutadiene			170	8.6	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.4	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.4	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND					
Pentachlorophenol			330	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*86*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*61*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*54*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*54*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*60*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*83*	*58-147*			
LCS Analyzed: 08/21/10 (Lab Number:10H1316-BS1, Batch: 10H1316)											
2,4,5-Trichlorophenol			170	37	ug/kg wet	ND		59-126			
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123			
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND		52-120			
2,4-Dimethylphenol			170	46	ug/kg wet	ND		36-120			
2,4-Dinitrophenol			330	59	ug/kg wet	ND		35-146			
2,4-Dinitrotoluene		3330	170	26	ug/kg wet	2670	80	55-125			
2,6-Dinitrotoluene			170	41	ug/kg wet	ND		66-128			
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/21/10 (Lab Number:10H1316-BS1, Batch: 10H1316)											
2-Chlorophenol		4990	170	8.6	ug/kg wet	3000	60	38-120			
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120			
2-Methylphenol			170	5.2	ug/kg wet	ND		48-120			
2-Nitroaniline			330	54	ug/kg wet	ND		61-130			
2-Nitrophenol			170	7.7	ug/kg wet	ND		50-120			
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND		48-126			
3-Nitroaniline			330	39	ug/kg wet	ND		61-127			
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND		49-155			
4-Bromophenyl phenyl ether			170	54	ug/kg wet	ND		58-131			
4-Chloro-3-methylphenol		4990	170	6.9	ug/kg wet	3600	72	49-125			
4-Chloroaniline			170	49	ug/kg wet	ND		49-120			
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND		63-124			
4-Methylphenol			170	9.4	ug/kg wet	ND		50-119			
4-Nitroaniline			330	19	ug/kg wet	ND		63-128			
4-Nitrophenol		4990	330	41	ug/kg wet	3870	77	43-137			
Acenaphthene		3330	170	2.0	ug/kg wet	2430	73	53-120			
Acenaphthylene			170	1.4	ug/kg wet	ND		58-121			
Acetophenone			170	8.7	ug/kg wet	ND		66-120			
Anthracene			170	4.3	ug/kg wet	ND		62-129			
Atrazine			170	7.5	ug/kg wet	ND		73-133			
Benzaldehyde			170	18	ug/kg wet	ND		21-120			
Benzo(a)anthracene			170	2.9	ug/kg wet	ND		65-133			
Benzo(a)pyrene			170	4.1	ug/kg wet	ND		64-127			
Benzo(b)fluoranthene			170	3.3	ug/kg wet	ND		64-135			
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152			
Benzo(k)fluoranthene			170	1.9	ug/kg wet	ND		58-138			
Biphenyl			170	11	ug/kg wet	ND		71-120			
Bis(2-chloroethoxy)methane			170	9.2	ug/kg wet	ND		61-133			
Bis(2-chloroethyl)ether			170	15	ug/kg wet	ND		45-120			
2,2'-Oxybis(1-Chloropropane)			170	18	ug/kg wet	ND		44-120			
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND		61-133			
Butyl benzyl phthalate			170	45	ug/kg wet	ND		61-129			
Caprolactam			170	73	ug/kg wet	ND		54-133			
Carbazole			170	2.0	ug/kg wet	ND		59-129			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 08/21/10 (Lab Number:10H1316-BS1, Batch: 10H1316)											
Chrysene			170	1.7	ug/kg wet	ND		64-131			
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND		54-148			
Dibenzofuran			170	1.8	ug/kg wet	ND		56-120			
Diethyl phthalate			170	5.1	ug/kg wet	ND		66-126			
Dimethyl phthalate			170	4.4	ug/kg wet	ND		65-124			
Di-n-butyl phthalate			170	58	ug/kg wet	ND		58-130			
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133			
Fluoranthene			170	2.4	ug/kg wet	33.6		62-131			J
Fluorene			170	3.9	ug/kg wet	ND		63-126			
Hexachlorobenzene			170	8.4	ug/kg wet	ND		60-132			
Hexachlorobutadiene			170	8.6	ug/kg wet	ND		45-120			
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND		31-120			
Hexachloroethane			170	13	ug/kg wet	ND		41-120			
Indeno(1,2,3-cd)pyrene			170	4.7	ug/kg wet	ND		56-149			
Isophorone			170	8.4	ug/kg wet	ND		56-120			
Naphthalene			170	2.8	ug/kg wet	ND		46-120			
Nitrobenzene			170	7.5	ug/kg wet	ND		49-120			
N-Nitrosodi-n-propylamine		3330	170	13	ug/kg wet	2280	69	46-120			
N-Nitrosodiphenylamine			170	9.2	ug/kg wet	ND		20-119			
Pentachlorophenol		4990	330	58	ug/kg wet	4100	82	33-136			
Phenanthrene			170	3.5	ug/kg wet	ND		60-130			
Phenol		4990	170	18	ug/kg wet	2980	60	36-120			
Pyrene		3330	170	1.1	ug/kg wet	3130	94	51-133			
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*90*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*66*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*53*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*56*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*62*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*90*	*58-147*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics TICs by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1315-BLK1, Batch: 10H1315)											
No TICs found			NA		ug/kg wet	ND					
Semivolatile Organics TICs by GC/MS											
Blank Analyzed: 08/21/10 (Lab Number:10H1316-BLK1, Batch: 10H1316)											
Unknown01			NA		ug/kg wet	180					T7

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/28/10 (Lab Number:10H1605-BLK1, Batch: 10H1605)											
4,4'-DDD			1.6	0.32	ug/kg wet	ND					QFL
4,4'-DDD [2C]			1.6	0.32	ug/kg wet	ND					QFL,C8
4,4'-DDE			1.6	0.25	ug/kg wet	ND					QFL
4,4'-DDE [2C]			1.6	0.25	ug/kg wet	ND					QFL,C8
4,4'-DDT			1.6	0.17	ug/kg wet	ND					QFL
4,4'-DDT [2C]			1.6	0.17	ug/kg wet	ND					QFL,C8
Aldrin			1.6	0.40	ug/kg wet	ND					QFL
Aldrin [2C]			1.6	0.40	ug/kg wet	ND					QFL,C8
alpha-BHC			1.6	0.30	ug/kg wet	ND					QFL
alpha-BHC [2C]			1.6	0.30	ug/kg wet	ND					QFL,C8
beta-BHC			1.6	0.18	ug/kg wet	ND					QFL
beta-BHC [2C]			1.6	0.18	ug/kg wet	ND					QFL,C8
Chlordane			16	3.6	ug/kg wet	ND					QFL
Chlordane [2C]			16	3.6	ug/kg wet	ND					QFL
delta-BHC			1.6	0.22	ug/kg wet	ND					QFL
delta-BHC [2C]			1.6	0.22	ug/kg wet	ND					QFL,C8
Dieldrin			1.6	0.39	ug/kg wet	ND					QFL
Dieldrin [2C]			1.6	0.39	ug/kg wet	ND					QFL,C8
Endosulfan I			1.6	0.21	ug/kg wet	ND					QFL
Endosulfan I [2C]			1.6	0.21	ug/kg wet	ND					QFL,C8
Endosulfan II			1.6	0.30	ug/kg wet	ND					QFL
Endosulfan II [2C]			1.6	0.30	ug/kg wet	ND					QFL,C8
Endosulfan sulfate			1.6	0.31	ug/kg wet	ND					QFL
Endosulfan sulfate [2C]			1.6	0.31	ug/kg wet	ND					QFL,C8
Endrin			1.6	0.23	ug/kg wet	ND					QFL
Endrin [2C]			1.6	0.23	ug/kg wet	ND					QFL,C8
Endrin aldehyde			1.6	0.42	ug/kg wet	ND					QFL
Endrin aldehyde [2C]			1.6	0.42	ug/kg wet	ND					QFL,C8
gamma-BHC (Lindane)			1.6	0.29	ug/kg wet	ND					QFL
gamma-BHC (Lindane) [2C]			1.6	0.29	ug/kg wet	ND					QFL,C8
Heptachlor			1.6	0.26	ug/kg wet	ND					QFL
Heptachlor [2C]			1.6	0.26	ug/kg wet	ND					QFL,C8
Heptachlor epoxide			1.6	0.42	ug/kg wet	ND					QFL
Heptachlor epoxide [2C]			1.6	0.42	ug/kg wet	ND					QFL,C8
Methoxychlor			1.6	0.23	ug/kg wet	ND					QFL
Methoxychlor [2C]			1.6	0.23	ug/kg wet	ND					QFL,C8
Toxaphene			16	9.6	ug/kg wet	ND					QFL

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/28/10 (Lab Number:10H1605-BLK1, Batch: 10H1605)											
Toxaphene [2C]			16	9.6	ug/kg wet	ND					QFL
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*81*	*42-146*			*QFL*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*122*	*42-146*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*66*	*37-136*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*88*	*37-136*			*QFL*
LCS Analyzed: 08/28/10 (Lab Number:10H1605-BS1, Batch: 10H1605)											
4,4'-DDD		16.6	1.7	0.32	ug/kg wet	12.2	73	55-129			QFL
4,4'-DDD [2C]		16.6	1.7	0.32	ug/kg wet	16.9	102	55-129			QFL,C8
4,4'-DDE		16.6	1.7	0.25	ug/kg wet	11.7	71	59-120			QFL
4,4'-DDE [2C]		16.6	1.7	0.25	ug/kg wet	16.6	100	59-120			QFL,C8
4,4'-DDT		16.6	1.7	0.17	ug/kg wet	13.4	81	47-145			QFL
4,4'-DDT [2C]		16.6	1.7	0.17	ug/kg wet	16.3	98	47-145			QFL,C8
Aldrin		16.6	1.7	0.41	ug/kg wet	10.4	63	35-120			QFL
Aldrin [2C]		16.6	1.7	0.41	ug/kg wet	15.1	91	35-120			QFL,C8
alpha-BHC		16.6	1.7	0.30	ug/kg wet	10.3	62	49-120			QFL
alpha-BHC [2C]		16.6	1.7	0.30	ug/kg wet	14.4	87	49-120			QFL,C8
beta-BHC		16.6	1.7	0.18	ug/kg wet	11.6	70	56-120			QFL
beta-BHC [2C]		16.6	1.7	0.18	ug/kg wet	16.2	98	56-120			QFL,C8
delta-BHC		16.6	1.7	0.22	ug/kg wet	10.9	66	45-123			QFL
delta-BHC [2C]		16.6	1.7	0.22	ug/kg wet	16.2	98	45-123			QFL,C8
Dieldrin		16.6	1.7	0.40	ug/kg wet	11.5	69	57-120			QFL
Dieldrin [2C]		16.6	1.7	0.40	ug/kg wet	16.2	98	57-120			QFL,C8
Endosulfan I		16.6	1.7	0.21	ug/kg wet	11.2	68	29-125			QFL
Endosulfan I [2C]		16.6	1.7	0.21	ug/kg wet	15.9	96	29-125			QFL,C8
Endosulfan II		16.6	1.7	0.30	ug/kg wet	12.1	73	39-121			QFL
Endosulfan II [2C]		16.6	1.7	0.30	ug/kg wet	16.6	100	39-121			QFL,C8
Endosulfan sulfate		16.6	1.7	0.31	ug/kg wet	12.0	72	43-120			QFL
Endosulfan sulfate [2C]		16.6	1.7	0.31	ug/kg wet	16.4	99	43-120			QFL,C8
Endrin		16.6	1.7	0.23	ug/kg wet	11.5	69	54-127			QFL
Endrin [2C]		16.6	1.7	0.23	ug/kg wet	16.3	98	54-127			QFL,C8
Endrin aldehyde		16.6	1.7	0.42	ug/kg wet	11.7	71	33-120			QFL
Endrin aldehyde [2C]		16.6	1.7	0.42	ug/kg wet	17.3	104	33-120			QFL,C8
gamma-BHC (Lindane)		16.6	1.7	0.29	ug/kg wet	11.2	68	50-120			QFL
gamma-BHC (Lindane) [2C]		16.6	1.7	0.29	ug/kg wet	16.0	96	50-120			QFL,C8

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
LCS Analyzed: 08/28/10 (Lab Number:10H1605-BS1, Batch: 10H1605)											
Heptachlor		16.6	1.7	0.26	ug/kg wet	11.3	68	47-120			QFL
Heptachlor [2C]		16.6	1.7	0.26	ug/kg wet	16.2	97	47-120			QFL,C8
Heptachlor epoxide		16.6	1.7	0.43	ug/kg wet	11.5	69	44-122			QFL
Heptachlor epoxide [2C]		16.6	1.7	0.43	ug/kg wet	17.5	105	44-122			QFL,C8
Methoxychlor		16.6	1.7	0.23	ug/kg wet	12.6	76	46-152			QFL
Methoxychlor [2C]		16.6	1.7	0.23	ug/kg wet	17.6	106	46-152			QFL,C8
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*78*	*42-146*			*QFL*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*114*	*42-146*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*62*	*37-136*			*QFL*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*81*	*37-136*			*QFL*
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H1605-MS1, Batch: 10H1605)											
QC Source Sample: RTH1004-01											
4,4'-DDD	ND	17.9	18	3.5	ug/kg dry	ND		55-129			D10,QFL, M4
4,4'-DDD [2C]	ND	17.9	18	3.5	ug/kg dry	ND		55-129			D10,QFL, M4,C8
4,4'-DDE	ND	17.9	18	2.7	ug/kg dry	ND		59-120			D10,QFL, M4
4,4'-DDE [2C]	ND	17.9	18	2.7	ug/kg dry	ND		59-120			D10,QFL, M4,C8
4,4'-DDT	ND	17.9	18	1.8	ug/kg dry	ND		47-145			D10,QFL, M4
4,4'-DDT [2C]	ND	17.9	18	1.8	ug/kg dry	ND		47-145			D10,QFL, M4,C8
Aldrin	ND	17.9	18	4.4	ug/kg dry	ND		35-120			D10,QFL, M4
Aldrin [2C]	ND	17.9	18	4.4	ug/kg dry	ND		35-120			D10,QFL, M4,C8
alpha-BHC	ND	17.9	18	3.2	ug/kg dry	ND		49-120			D10,QFL, M4
alpha-BHC [2C]	ND	17.9	18	3.2	ug/kg dry	ND		49-120			D10,QFL, M4,C8
beta-BHC	ND	17.9	18	1.9	ug/kg dry	ND		56-120			D10,QFL, M4
beta-BHC [2C]	ND	17.9	18	1.9	ug/kg dry	ND		56-120			D10,QFL, M4,C8
delta-BHC	ND	17.9	18	2.4	ug/kg dry	ND		45-123			D10,QFL, M4
delta-BHC [2C]	ND	17.9	18	2.4	ug/kg dry	ND		45-123			D10,QFL, M4,C8

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H1605-MS1, Batch: 10H1605)											
QC Source Sample: RTH1004-01											
Dieldrin	ND	17.9	18	4.3	ug/kg dry	ND		57-120			D10,QFL, M4
Dieldrin [2C]	ND	17.9	18	4.3	ug/kg dry	ND		57-120			D10,QFL, M4,C8
Endosulfan I	ND	17.9	18	2.3	ug/kg dry	ND		29-125			D10,QFL, M4
Endosulfan I [2C]	ND	17.9	18	2.3	ug/kg dry	ND		29-125			D10,QFL, M4,C8
Endosulfan II	ND	17.9	18	3.2	ug/kg dry	ND		39-121			D10,QFL, M4
Endosulfan II [2C]	ND	17.9	18	3.2	ug/kg dry	ND		39-121			D10,QFL, M4,C8
Endosulfan sulfate	ND	17.9	18	3.3	ug/kg dry	ND		43-120			D10,QFL, M4
Endosulfan sulfate [2C]	ND	17.9	18	3.3	ug/kg dry	ND		43-120			D10,QFL, M4,C8
Endrin	ND	17.9	18	2.5	ug/kg dry	ND		54-127			D10,QFL, M4
Endrin [2C]	ND	17.9	18	2.5	ug/kg dry	ND		54-127			D10,QFL, M4,C8
Endrin aldehyde	ND	17.9	18	4.6	ug/kg dry	ND		33-120			D10,QFL, M4
Endrin aldehyde [2C]	ND	17.9	18	4.6	ug/kg dry	ND		33-120			D10,QFL, M4,C8
gamma-BHC (Lindane)	ND	17.9	18	3.1	ug/kg dry	ND		50-120			D10,QFL, M4
gamma-BHC (Lindane) [2C]	ND	17.9	18	3.1	ug/kg dry	ND		50-120			D10,QFL, C8,M4
Heptachlor	ND	17.9	18	2.8	ug/kg dry	ND		47-120			D10,QFL, M4
Heptachlor [2C]	ND	17.9	18	2.8	ug/kg dry	ND		47-120			D10,QFL, C8,M4
Heptachlor epoxide	ND	17.9	18	4.6	ug/kg dry	ND		44-122			D10,QFL, M4
Heptachlor epoxide [2C]	ND	17.9	18	4.6	ug/kg dry	ND		44-122			D10,QFL, M4,C8
Methoxychlor	ND	17.9	18	2.5	ug/kg dry	ND		46-152			D10,QFL, M4
Methoxychlor [2C]	ND	17.9	18	2.5	ug/kg dry	ND		46-152			D10,QFL, M4,C8
Surrogate: Decachlorobiphenyl					*ug/kg dry*			*42-146*			*D10,QFL,Z3*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*			*42-146*			*D10,QFL,Z3*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*			*37-136*			*D10,QFL,Z3*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H1605-MS1, Batch: 10H1605)											
QC Source Sample: RTH1004-01											
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*			*37-136*			*D10,QFL,Z3*
Matrix Spike Dup Analyzed: 08/28/10 (Lab Number:10H1605-MSD1, Batch: 10H1605)											
QC Source Sample: RTH1004-01											
4,4'-DDD	ND	17.9	18	3.5	ug/kg dry	ND		55-129		21	D10,QFL, M4
4,4'-DDD [2C]	ND	17.9	18	3.5	ug/kg dry	ND		55-129		21	D10,QFL, C8,M4
4,4'-DDE	ND	17.9	18	2.7	ug/kg dry	ND		59-120		18	D10,QFL, M4
4,4'-DDE [2C]	ND	17.9	18	2.7	ug/kg dry	ND		59-120		18	D10,QFL, M4,C8
4,4'-DDT	ND	17.9	18	1.8	ug/kg dry	ND		47-145		25	D10,QFL, M4
4,4'-DDT [2C]	ND	17.9	18	1.8	ug/kg dry	ND		47-145		25	D10,QFL, M4,C8
Aldrin	ND	17.9	18	4.4	ug/kg dry	ND		35-120		12	D10,QFL, M4
Aldrin [2C]	ND	17.9	18	4.4	ug/kg dry	ND		35-120		12	D10,QFL, M4,C8
alpha-BHC	ND	17.9	18	3.2	ug/kg dry	ND		49-120		15	D10,QFL, M4
alpha-BHC [2C]	ND	17.9	18	3.2	ug/kg dry	ND		49-120		15	D10,QFL, M4,C8
beta-BHC	ND	17.9	18	1.9	ug/kg dry	ND		56-120		19	D10,QFL, M4
beta-BHC [2C]	ND	17.9	18	1.9	ug/kg dry	ND		56-120		19	D10,QFL, M4,C8
delta-BHC	ND	17.9	18	2.4	ug/kg dry	ND		45-123		14	D10,QFL, M4
delta-BHC [2C]	ND	17.9	18	2.4	ug/kg dry	ND		45-123		14	D10,QFL, C8,M4
Dieldrin	ND	17.9	18	4.3	ug/kg dry	ND		57-120		12	D10,QFL, M4
Dieldrin [2C]	ND	17.9	18	4.3	ug/kg dry	ND		57-120		12	D10,QFL, C8,M4
Endosulfan I	ND	17.9	18	2.2	ug/kg dry	ND		29-125		18	D10,QFL, M4
Endosulfan I [2C]	ND	17.9	18	2.2	ug/kg dry	ND		29-125		18	D10,QFL, C8,M4
Endosulfan II	ND	17.9	18	3.2	ug/kg dry	ND		39-121		26	D10,QFL, M4
Endosulfan II [2C]	ND	17.9	18	3.2	ug/kg dry	ND		39-121		26	D10,QFL, M4,C8
Endosulfan sulfate	ND	17.9	18	3.3	ug/kg dry	ND		43-120		35	D10,QFL, M4

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Dup Analyzed: 08/28/10 (Lab Number:10H1605-MSD1, Batch: 10H1605)											
QC Source Sample: RTH1004-01											
Endosulfan sulfate [2C]	ND	17.9	18	3.3	ug/kg dry	ND		43-120		35	D10,QFL, C8,M4
Endrin	ND	17.9	18	2.5	ug/kg dry	ND		54-127		20	D10,QFL, M4
Endrin [2C]	ND	17.9	18	2.5	ug/kg dry	ND		54-127		20	D10,QFL, C8,M4
Endrin aldehyde	ND	17.9	18	4.6	ug/kg dry	ND		33-120		47	D10,QFL, M4
Endrin aldehyde [2C]	ND	17.9	18	4.6	ug/kg dry	ND		33-120		47	D10,QFL, C8,M4
gamma-BHC (Lindane)	ND	17.9	18	3.1	ug/kg dry	ND		50-120		12	D10,QFL, M4
gamma-BHC (Lindane) [2C]	ND	17.9	18	3.1	ug/kg dry	ND		50-120		12	D10,QFL, C8,M4
Heptachlor	ND	17.9	18	2.8	ug/kg dry	ND		47-120		22	D10,QFL, M4
Heptachlor [2C]	ND	17.9	18	2.8	ug/kg dry	ND		47-120		22	D10,QFL, C8,M4
Heptachlor epoxide	ND	17.9	18	4.6	ug/kg dry	ND		44-122		15	D10,QFL, M4
Heptachlor epoxide [2C]	ND	17.9	18	4.6	ug/kg dry	ND		44-122		15	D10,QFL, C8,M4
Methoxychlor	ND	17.9	18	2.5	ug/kg dry	ND		46-152		24	D10,QFL, M4
Methoxychlor [2C]	ND	17.9	18	2.5	ug/kg dry	ND		46-152		24	D10,QFL, C8,M4
Surrogate: Decachlorobiphenyl					*ug/kg dry*			*42-146*			*D10,QFL,Z3*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*			*42-146*			*D10,QFL,Z3*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*			*37-136*			*D10,QFL,Z3*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*			*37-136*			*D10,QFL,Z3*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Blank Analyzed: 08/26/10 (Lab Number:10H1606-BLK1, Batch: 10H1606)											
Aroclor 1016			16	3.2	ug/kg wet	ND					QSU
Aroclor 1016 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.6	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.6	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.5	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1260			16	7.7	ug/kg wet	ND					QSU,C
Aroclor 1260 [2C]			16	7.7	ug/kg wet	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*119*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*106*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*84*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*89*	*35-134*			*QSU*
LCS Analyzed: 08/26/10 (Lab Number:10H1606-BS1, Batch: 10H1606)											
Aroclor 1016		163	16	3.2	ug/kg wet	162	99	59-154			QSU
Aroclor 1016 [2C]		163	16	3.2	ug/kg wet	160	98	59-154			QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.4	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.4	ug/kg wet	ND					QSU
Aroclor 1260		163	16	7.6	ug/kg wet	172	105	51-179			QSU,C
Aroclor 1260 [2C]		163	16	7.6	ug/kg wet	156	95	51-179			QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*127*	*34-148*			*QSU*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
LCS Analyzed: 08/26/10 (Lab Number:10H1606-BS1, Batch: 10H1606)											
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*112*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*95*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*97*	*35-134*			*QSU*
Matrix Spike Analyzed: 08/26/10 (Lab Number:10H1606-MS1, Batch: 10H1606)											
QC Source Sample: RTH1004-01											
Aroclor 1016	ND	175	18	3.4	ug/kg dry	95.3	54	59-154			M1,QSU
Aroclor 1016 [2C]	ND	175	18	3.4	ug/kg dry	94.4	54	59-154			M1,QSU
Aroclor 1221	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1221 [2C]	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1232	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1232 [2C]	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1242	ND		18	3.8	ug/kg dry	ND					M1,QSU
Aroclor 1242 [2C]	ND		18	3.8	ug/kg dry	ND					M1,QSU
Aroclor 1248	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1248 [2C]	ND		18	3.4	ug/kg dry	ND					M1,QSU
Aroclor 1254	ND		18	3.7	ug/kg dry	ND					M1,QSU
Aroclor 1254 [2C]	ND		18	3.7	ug/kg dry	ND					M1,QSU
Aroclor 1260	ND	175	18	8.2	ug/kg dry	98.8	56	51-179			M1,QSU, C
Aroclor 1260 [2C]	ND	175	18	8.2	ug/kg dry	81.1	46	51-179			M1,QSU
Surrogate: Decachlorobiphenyl					*ug/kg dry*		*74*	*34-148*			*M1,QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*		*60*	*34-148*			*M1,QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*55*	*35-134*			*M1,QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*54*	*35-134*			*M1,QSU*
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1606-MSD1, Batch: 10H1606)											
QC Source Sample: RTH1004-01											
Aroclor 1016	ND	177	18	3.5	ug/kg dry	105	59	59-154	10	50	M1,QSU
Aroclor 1016 [2C]	ND	177	18	3.5	ug/kg dry	102	58	59-154	8	50	M1,QSU
Aroclor 1221	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1221 [2C]	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1232	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1232 [2C]	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1242	ND		18	3.8	ug/kg dry	ND					M1,QSU
Aroclor 1242 [2C]	ND		18	3.8	ug/kg dry	ND					M1,QSU

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Matrix Spike Dup Analyzed: 08/26/10 (Lab Number:10H1606-MSD1, Batch: 10H1606)											
QC Source Sample: RTH1004-01											
Aroclor 1248	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1248 [2C]	ND		18	3.5	ug/kg dry	ND					M1,QSU
Aroclor 1254	ND		18	3.7	ug/kg dry	ND					M1,QSU
Aroclor 1254 [2C]	ND		18	3.7	ug/kg dry	ND					M1,QSU
Aroclor 1260	ND	177	18	8.3	ug/kg dry	108	61	51-179	9	50	M1,QSU, C
Aroclor 1260 [2C]	ND	177	18	8.3	ug/kg dry	87.9	50	51-179	8	50	M1,QSU
Surrogate: Decachlorobiphenyl					*ug/kg dry*		*78*	*34-148*			*M1,QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg dry*		*63*	*34-148*			*M1,QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*60*	*35-134*			*M1,QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg dry*		*58*	*35-134*			*M1,QSU*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Blank Analyzed: 08/29/10 (Lab Number:10H1894-BLK1, Batch: 10H1894)											
2,4,5-T			17	5.3	ug/kg wet	ND					
2,4,5-T [2C]			17	5.3	ug/kg wet	ND					
2,4-D			17	10	ug/kg wet	ND					
2,4-D [2C]			17	10	ug/kg wet	ND					
2,4,5-TP (Silvex)			17	6.0	ug/kg wet	ND					
Silvex (2,4,5-TP) [2C]			17	6.0	ug/kg wet	ND					
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*51*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*52*	*15-120*			
LCS Analyzed: 08/29/10 (Lab Number:10H1894-BS1, Batch: 10H1894)											
2,4,5-T		66.6	17	5.3	ug/kg wet	50.4	76	31-130			
2,4,5-T [2C]		66.6	17	5.3	ug/kg wet	42.9	64	31-130			
2,4-D		66.6	17	10	ug/kg wet	47.2	71	42-140			
2,4-D [2C]		66.6	17	10	ug/kg wet	50.4	76	42-140			
2,4,5-TP (Silvex)		66.6	17	6.0	ug/kg wet	49.5	74	20-130			
Silvex (2,4,5-TP) [2C]		66.6	17	6.0	ug/kg wet	53.9	81	20-130			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*54*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*66*	*15-120*			
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1894-MS1, Batch: 10H1894)											
QC Source Sample: RTH1004-01											
2,4,5-T	ND	70.1	18	5.6	ug/kg dry	48.1	69	31-130			
2,4,5-T [2C]	ND	70.1	18	5.6	ug/kg dry	42.5	61	31-130			
2,4-D	ND	70.1	18	11	ug/kg dry	46.6	67	42-140			
2,4-D [2C]	ND	70.1	18	11	ug/kg dry	48.6	69	42-140			
2,4,5-TP (Silvex)	ND	70.1	18	6.3	ug/kg dry	48.2	69	20-130			
Silvex (2,4,5-TP) [2C]	ND	70.1	18	6.3	ug/kg dry	49.7	71	20-130			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg dry*		*58*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg dry*		*73*	*15-120*			
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1894-MSD1, Batch: 10H1894)											
QC Source Sample: RTH1004-01											
2,4,5-T	ND	71.1	18	5.7	ug/kg dry	48.4	68	31-130	0.6	50	
2,4,5-T [2C]	ND	71.1	18	5.7	ug/kg dry	44.5	63	31-130	5	50	
2,4-D	ND	71.1	18	11	ug/kg dry	47.2	66	42-140	1	25	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1894-MSD1, Batch: 10H1894)											
QC Source Sample: RTH1004-01											
2,4-D [2C]	ND	71.1	18	11	ug/kg dry	51.1	72	42-140	5	25	
2,4,5-TP (Silvex)	ND	71.1	18	6.4	ug/kg dry	47.1	66	20-130	2	35	
Silvex (2,4,5-TP) [2C]	ND	71.1	18	6.4	ug/kg dry	51.8	73	20-130	4	35	
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg dry*		*73*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg dry*		*72*	*15-120*			

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/23/10 (Lab Number:10H1558-BLK1, Batch: 10H1558)											
Mercury			0.0200	NR	mg/kg wet	ND					
Matrix Spike Analyzed: 08/23/10 (Lab Number:10H1558-MS1, Batch: 10H1558)											
QC Source Sample: RTH1004-01											
Mercury	ND	0.360	0.0216	NR	mg/kg dry	0.381	106	75-125			
Matrix Spike Dup Analyzed: 08/23/10 (Lab Number:10H1558-MSD1, Batch: 10H1558)											
QC Source Sample: RTH1004-01											
Mercury	ND	0.358	0.0215	NR	mg/kg dry	0.369	103	75-125	3	20	
Reference Analyzed: 08/23/10 (Lab Number:10H1558-SRM1, Batch: 10H1558)											
Mercury		2.96	0.177	NR	mg/kg wet	2.70	91	67.6-132.8			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/29/10 (Lab Number:10H1801-BLK1, Batch: 10H1801)											
Aluminum			10.6	NR	mg/kg wet	ND					
Antimony			15.9	NR	mg/kg wet	ND					
Arsenic			2.1	NR	mg/kg wet	ND					
Barium			0.531	NR	mg/kg wet	ND					
Beryllium			0.213	NR	mg/kg wet	ND					
Cadmium			0.213	NR	mg/kg wet	ND					
Calcium			53.1	NR	mg/kg wet	ND					
Chromium			0.531	NR	mg/kg wet	ND					
Cobalt			0.531	NR	mg/kg wet	ND					
Copper			1.1	NR	mg/kg wet	ND					
Iron			10.6	NR	mg/kg wet	ND					
Lead			1.1	NR	mg/kg wet	ND					
Magnesium			21.3	NR	mg/kg wet	ND					
Manganese			0.2	NR	mg/kg wet	ND					B9
Nickel			5.31	NR	mg/kg wet	ND					
Potassium			31.9	NR	mg/kg wet	ND					
Selenium			4.3	NR	mg/kg wet	ND					
Silver			0.531	NR	mg/kg wet	ND					
Sodium			149	NR	mg/kg wet	ND					
Thallium			6.4	NR	mg/kg wet	ND					
Vanadium			0.531	NR	mg/kg wet	ND					
Zinc			2.1	NR	mg/kg wet	ND					
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1801-MS2, Batch: 10H1801)											

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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Analyzed: 08/29/10 (Lab Number:10H1801-MS2, Batch: 10H1801)											
QC Source Sample: RTH1004-01											
Aluminum	3630	2020	10.1	NR	mg/kg dry	5810	108	75-125			
Antimony	ND	40.5	15.2	NR	mg/kg dry	29.0	72	75-125			M1
Arsenic	4.44	40.5	2.0	NR	mg/kg dry	41.7	92	75-125			
Barium	19.4	40.5	0.506	NR	mg/kg dry	53.1	83	75-125			
Beryllium	0.186	40.5	0.202	NR	mg/kg dry	36.7	90	75-125			
Cadmium	0.133	40.5	0.202	NR	mg/kg dry	34.5	85	75-125			
Chromium	5.33	40.5	0.506	NR	mg/kg dry	40.2	86	75-125			
Cobalt	7.08	40.5	0.506	NR	mg/kg dry	41.1	84	75-125			
Copper	37.1	40.5	1.0	NR	mg/kg dry	80.4	107	75-125			
Iron	10300	2020	10.1	NR	mg/kg dry	11900	83	75-125			B1,MHA
Lead	5.96	40.5	1.0	NR	mg/kg dry	40.8	86	75-125			
Magnesium	2690	2020	20.2	NR	mg/kg dry	5170	122	75-125			
Manganese	733	40.5	0.2	NR	mg/kg dry	751	44	75-125			B1
Nickel	13.7	40.5	5.06	NR	mg/kg dry	48.0	85	75-125			
Potassium	405	2020	30.4	NR	mg/kg dry	2020	80	75-125			
Selenium	ND	40.5	4.0	NR	mg/kg dry	35.9	89	75-125			
Silver	ND	10.1	0.506	NR	mg/kg dry	9.04	89	75-125			
Sodium	25.6	2020	142	NR	mg/kg dry	1670	81	75-125			
Thallium	1.64	40.5	6.1	NR	mg/kg dry	37.6	89	75-125			
Vanadium	5.23	40.5	0.506	NR	mg/kg dry	42.9	93	75-125			
Zinc	80.8	40.5	2.0	NR	mg/kg dry	107	65	75-125			M1
Matrix Spike Analyzed: 08/30/10 (Lab Number:10H1801-MS4, Batch: 10H1801)											
QC Source Sample: RTH1004-01											
Calcium	40400	2020	253	NR	mg/kg dry	35200	-259	75-125			D08,MHA
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1801-MSD2, Batch: 10H1801)											
QC Source Sample: RTH1004-01											
Aluminum	3630	2050	10.2	NR	mg/kg dry	5510	92	75-125	5	20	
Antimony	ND	40.9	15.3	NR	mg/kg dry	27.2	67	75-125	6	20	M1
Arsenic	4.44	40.9	2.0	NR	mg/kg dry	41.4	90	75-125	0.7	20	
Barium	19.4	40.9	0.511	NR	mg/kg dry	55.6	89	75-125	5	20	
Beryllium	0.186	40.9	0.205	NR	mg/kg dry	36.7	89	75-125	0.2	20	
Cadmium	0.133	40.9	0.205	NR	mg/kg dry	34.0	83	75-125	1	20	
Chromium	5.33	40.9	0.511	NR	mg/kg dry	39.2	83	75-125	2	20	
Cobalt	7.08	40.9	0.511	NR	mg/kg dry	41.4	84	75-125	0.8	20	
Copper	37.1	40.9	1.0	NR	mg/kg dry	70.1	81	75-125	14	20	
Iron	10300	2050	10.2	NR	mg/kg dry	12100	92	75-125	2	20	B1

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H1801-MSD2, Batch: 10H1801)											
QC Source Sample: RTH1004-01											
Lead	5.96	40.9	1.0	NR	mg/kg dry	40.3	84	75-125	1	20	
Magnesium	2690	2050	20.5	NR	mg/kg dry	7730	246	75-125	40	20	M1,R3
Manganese	733	40.9	0.2	NR	mg/kg dry	2030	3170	75-125	92	20	B1,MHA, R3
Nickel	13.7	40.9	5.11	NR	mg/kg dry	47.1	82	75-125	2	20	
Potassium	405	2050	30.7	NR	mg/kg dry	2100	83	75-125	4	20	
Selenium	ND	40.9	4.1	NR	mg/kg dry	35.3	86	75-125	2	20	
Silver	ND	10.2	0.511	NR	mg/kg dry	9.15	90	75-125	1	20	
Sodium	25.6	2050	143	NR	mg/kg dry	1630	79	75-125	2	20	
Thallium	1.64	40.9	6.1	NR	mg/kg dry	36.6	85	75-125	3	20	
Vanadium	5.23	40.9	0.511	NR	mg/kg dry	41.3	88	75-125	4	20	
Zinc	80.8	40.9	2.0	NR	mg/kg dry	101	50	75-125	5	20	M1
Matrix Spike Dup Analyzed: 08/30/10 (Lab Number:10H1801-MSD4, Batch: 10H1801)											
QC Source Sample: RTH1004-01											
Calcium	40400	2050	256	NR	mg/kg dry	84200	2140	75-125	82	20	D08,MHA, R3
Reference Analyzed: 08/29/10 (Lab Number:10H1801-SRM1, Batch: 10H1801)											
Aluminum		10700	10.0	NR	mg/kg wet	8030	75	46.3-153.3			
Antimony		117	15.0	NR	mg/kg wet	47.0	40	22.6-253			
Arsenic		138	2.0	NR	mg/kg wet	122	88	70.4-129.7			
Barium		269	0.500	NR	mg/kg wet	233	87	74-126.4			
Beryllium		157	0.200	NR	mg/kg wet	137	87	75.2-124.8			
Cadmium		71.0	0.200	NR	mg/kg wet	63.4	89	73.2-126.8			
Calcium		9660	50.0	NR	mg/kg wet	8600	89	75.4-124.2			
Chromium		105	0.500	NR	mg/kg wet	91.2	87	69.3-130.5			
Cobalt		142	0.500	NR	mg/kg wet	125	88	73.9-125.4			
Copper		110	1.0	NR	mg/kg wet	94.7	86	74.4-125.5			
Iron		19100	10.0	NR	mg/kg wet	13400	70	43-156			
Lead		144	1.0	NR	mg/kg wet	126	88	72.9-126.4			
Magnesium		4410	20.0	NR	mg/kg wet	3640	82	70.3-129.7			

Benchmark Environmental & Engineering Science
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SDG Number: RTH1004

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Received: 08/18/10
Reported: 09/07/10 11:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Reference Analyzed: 08/29/10 (Lab Number:10H1801-SRM1, Batch: 10H1801)											
Manganese		539	0.2	NR	mg/kg wet	481	89	77.2-122.6			B1
Nickel		130	5.00	NR	mg/kg wet	119	91	72.8-126.9			
Potassium		5000	30.0	NR	mg/kg wet	4130	83	66.4-133.8			
Selenium		200	4.0	NR	mg/kg wet	184	92	68.5-131.5			
Silver		45.1	0.500	NR	mg/kg wet	40.4	90	66.3-133.7			
Sodium		653	140	NR	mg/kg wet	506	77	55.1-144.9			
Thallium		161	6.0	NR	mg/kg wet	149	93	68.3-131.7			
Vanadium		67.0	0.500	NR	mg/kg wet	53.3	80	57.8-142.1			
Zinc		223	2.0	NR	mg/kg wet	188	84	70.4-129.6			

Chain of Custody Record

Temperature on Receipt __ __

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Benchmark	Project Manager: Mike Lesakowski	Date: 8-18-10	Chain of Custody Number: 179791
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-225-3314	Lab Number:	Page 1 of 2
City: Buffalo / State: NY / Zip Code: 14218	Site Contact: Brock Greene	Lab Contact: Brian Fisher	Analysis (Attach list if more space is needed)
Project Name and Location (State): 301 Franklin St. Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres.	VOC	SVOC	TAL Metals	TCL PCBs	Pesticides	Herbicides
TP-20 (16-18') + MS + MSD	8-16-10	1000				X							12	X	X	X	X	X	X
TP-21 (15-17')		1130				X							3	X	X				
TP-22 (16-18')		1230				X							3	X	X				
TP-23 (8-10')		1345				X							3	X	X				
TP-13 (14-16')		1420				X							3	X	X				
TP-24 (15-17')		1450				X							3	X	X				
TP-19 (14-16')		1545				X							3	X	X				
TP-18 (15-17')	8-17-10	0945				X							4	X	X				
TP-17 (15-17')		1030				X							4	X	X				
TP-16 (15-17')		1120				X							4	X	X	X	X	X	X
TP-14 (15-17')		1230				X							4	X	X				

Special Instructions/ Conditions of Receipt: 12 containers

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify): Cat B

	Date	Time		Date	Time
1. Relinquished By: Brock Greene	8-18-10	0900	1. Received By:	08-18-10	10:10
2. Relinquished By:	08-18-10	12:15	2. Received By: Dutt	8-18-10	12:15
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: 5.6°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Benchmark	Mike Lesakowski	8-18-10	166261
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-225-3314	Lab Number	Page 2 of 2
City: Buffalo / State: NY / Zip Code: 14218	Site Contact: Brock Greene	Lab Contact: Brian Fisher	
Project Name and Location (State): 301 Franklin St Site	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOC	SVOC	TAL metal	Tcl PCBs	Pesticides	Herbicides	Special Instructions/ Conditions of Receipt
TP-15(3-4')	8-17-10	1330				X	4						X	X	X	X	X	X	
TP-15 (15-17')		1345				X	4						X	X					
North Pile		1410				X	2						X	X					
Poly Piles		1420				X	2						X	X					
South Pile		1440				X	2						X	X					
Blind 1	8-17-10	0800				X	4						X	X	X	X	X	X	

Analysis (Attach list if more space is needed)

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Cat B

	Relinquished By	Date	Time	Received By	Date	Time
1	Brock Greene	8-18-10	0900		08-18-10	10:15
2		08-18-10	1215		8/18/10	1215
3		Date	Time		Date	Time

Comments: 4.6°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

APPENDIX C

DATA USABILITY SUMMARY REPORT

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

October 8. 2010

Mike Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **D**ata **U**sability **S**ummary **R**eport for the 301 Franklin St site
TAL-Buffalo SDG Nos. RTH1004, RTH1150, and RTH1210

Dear Mr. Lesakowski:

Review has been completed for the data package generated by TestAmerica Laboratory that pertains to soil samples collected between 08/16/10 and 08/20/10 at the 301 Franklin St. site. Seven soil samples, a soil field duplicate, three aqueous samples, and an aqueous field duplicate were analyzed for TCL and STARS volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, three herbicides, and TAL metals. Twenty-six soil samples were analyzed for TLC and STARS volatiles and TCL semivolatiles. The analytical methods utilized are those of the USEPA SW846 6000/7000/8000/9000.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration/Low-Level Standards
* ICP Serial Dilution
* Instrument IDLs
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. However, reporting limits for undetected analytes in some of the semivolatile fractions of numerous samples are unnecessarily elevated due to excessive dilutions. Qualifications to certain other of the sample results have been made due to matrix or processing issues.

Copies of the sample identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables or laboratory sample results forms annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

Chains-of-Custody

The aqueous samples were received at an elevated temperature of 15°C. Therefore, those reported results have been qualified as estimated in value, with a possible low bias.

The samples reported in RTH1210 were received by the laboratory in a timeframe exceeding the required limit of two days after collection. Sample condition at receipt was acceptable, and technical holding times were met; reported results are unaffected. A memorandum to the file should be made to document the condition and custody of the samples during the interim.

The custody forms for the samples collected 8/19/10 and 8/20/10 do not show a time of release on the first transfer of the samples.

The custody pertaining to the aqueous samples shows column headings for requested analyses, but does not have "X" entries in the specific sample fields. All samples were processed for all parameters.

Data Package Completeness

The laboratory "case narratives" do not discuss the necessary specifics of the project sample processing and outlying instrument or sample performance. They do not include the required "verbatim" statement.

General

The laboratory has created their own flags and definitions, some of which are not consistent with those of the NYSDEC ASP, utilizing the ASP flags with alternate definitions.

Field Duplicates

Blind field duplicates were performed on TP-16(15-17) and MW-3. Correlations are within validation guidelines, with the exception of that for magnesium in the soil. The results for that element in the parent sample and its duplicate have been qualified as estimated.

STARS and TCL Volatile Analyses by EPA 8260B

The detected results for t-butylbenzene in SB-2(16-20), SB-15(17-20), SB-16(20-24), SB-21(20-22), SB-24(8-12), TP-14(15-17), and TP-15(3-4), and for sec-butylbenzene in TP-14(15-17) and TP-15(3-4) are edited to reflect non-detection due to very poor mass spectral quality.

The detected results for sec-butylbenzene in SB-2(16-20) and t-butylbenzene in SB-23(15-18) are qualified as tentative in identification and estimated in value due to very poor mass spectral quality.

Results for analytes initially reported with the "E" flag are derived from the dilution analyses of those samples.

Detections of toluene in SS-3 and SS-4 are considered external contamination due to presence in the associated method blank.

The matrix spikes of seventeen analytes in MW-3, and of five analytes in SB-21(20-22) show acceptable recoveries and duplicate correlations, with the exception of one duplicate correlation not affecting sample reported results.

The matrix spikes of all analytes in TP-20(16-18) show outlying recoveries in both spikes for seven compounds. Results for the following are qualified as estimated in the parent sample: m,p-xylene, o-xylene, total xylenes, 1,2-dichlorobenzene, 1,2,4-trimethylbenzene, and ethylbenzene.

The result for 1,1,2,2-tetrachloroethane is qualified as estimated, with a possible slight low bias, in South Pile due to a marginally low recovery in the associated LCS.

Reporting limits for chloromethane and bromomethane in the samples processed at medium level have been edited upward due to poor responses in the lowest level initial calibration standard.

Other calibrations standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- acetone, methyl acetate, and 1,2-dibromo-3-chloropropane (28%D to 46%D) in the aqueous samples
- 1,2-dibromo-3-chloropropane (21%D to 32%D) in SS-1, SS-2, SS-3, SS-4, TP-20(16-18), TP-17(15-17), TP-16(15-17), TP-14(15-17), and South Pile
- dichlorodifluoromethane (23%D) in TP-15(3-4), TP-21(15-17), TP-13(14-16), TP-24(15-17), and BLIND 1

MW-3 was processed at tenfold dilution due to a foaming matrix. This resulted in elevated reporting limits for analytes not detected in the sample.

Many of the volatile Tentatively Identified Compounds (TICs) were incorrectly identified. Those that were identified should have been flagged by the laboratory with the required "N" flag to denote tentative identification.

TCL Semivolatile Analyses by EPA 8270C

The detected result for 4-methylphenol in TP-13(14-16) is edited to reflect non-detection due to very poor mass spectral quality.

The detected results for fluorene in TP-15(15-17) and BLIND 1, and for benzo(g,h,i)perylene in TP-24(15-17) are qualified as tentative in identification and estimated in value due to very poor mass spectral quality.

Detections of di-n-butylphthalate in the aqueous samples are considered external contamination due to presence in the associated method blank.

The matrix spikes of ten analytes in MW-3 and TP-20(16-18) show acceptable recoveries and duplicate correlations. The matrix spikes of SB-15(17-20) were processed at twenty-fold dilution. Two of the nine spiked analytes were diluted beyond detection. Recoveries of the other seven were acceptable.

Calibrations standards show acceptable responses, with the exception of that for caprolactum in the lowest calibration standard associated with the aqueous samples. Results for that compound in the aqueous samples have been qualified as estimated in value.

Surrogate standards and internal standard responses meet protocol requirements. Instrument tunes meet protocol requirements.

Many of the samples were analyzed at dilution, and some of them at excessive dilution, more than indicated by target or non-target analyte responses. The resulting chromatograms show little response, with any detected values below the adjusted reporting limit, indicating that re-analysis at lesser dilution should have been performed. As analyzed, reporting limits for the undetected target compounds in the affected samples are unnecessarily elevated, and evaluation of the extraction efficiency (through surrogate standard recoveries) is not possible.

TICs that are flagged by the laboratory as "B" are considered external contamination due to presence of these compounds in the associated method blank. TICs that were identified should have been flagged with the required "N" flag to denote tentative identification.

TCL Pesticide/PCB/Herbicide Analyses by EPA 8081A/8082/8151

The results for g-BHC in MW-2, heptachlor in BLIND1, and 4,4'-DDT in SS-4 have been qualified as tentative in identification and estimated in value due to elevated dual column quantitative correlation.

The results for 4,4'-DDT in SS-1 and g-BHC in TP-15(3-4) have been edited to non-detection due to a very high dual column quantitative correlation, indicating possible a false positive due to matrix interference.

The following detections are considered external contamination due to presence in the associated method blank:

- 4,4-DDE and a-BHC in SS-4
- 4,4-DDE in SS-2
- a-BHC in SS-1

The remaining pesticide detections in SS-4 are qualified as estimated, with a possible high bias, due to elevated surrogate recoveries.

The herbicide, pesticide, and Aroclor 1660 matrix spikes of MW-3 show acceptable accuracy and precision, with the exception of one pesticide duplicate correlation not affecting sample reported results.

The pesticide matrix spikes of TP-20(16-18) were diluted beyond the ability to evaluate accuracy and precision.

The matrix spikes of herbicides and Aroclors 1016 and 1260 in TP-20(16-18) show recoveries and duplicate correlations within laboratory acceptance ranges.

All detected pesticide results in all of the samples are qualified as estimated due to outlying responses on the confirmation analytical column.

The result for 2,4-D in MW-3 is qualified as estimated due to outlying responses (27%D and 16%D) on both analytical columns.

Holding times meet validation protocol guidelines.

Many of the samples appear to have been overly-diluted for the pesticide analysis, resulting in elevated reporting limits.

TAL Metals Analyses by EPA 6010B, 7470, 7471

Sample matrix spikes were performed for the TAL metals on MW-3, and show recoveries and duplicate correlations within laboratory and validation guidelines.

The matrix spike recoveries and duplicate correlations of TP-20(16-18) were within recommended limits, with the exception of the recoveries for antimony (72% and 67%) and zinc (65% and 50%). Results for those elements in the samples reported in SDG RTH1004 have been qualified as estimated in value. Additionally, the results for manganese in the samples are qualified as estimated due to the poor correlation in concentration between the parent sample and the matrix spikes.

No matrix spikes were performed for the surface soil matrix. The qualifications noted above have been applied to those four samples as well.

Blanks show no contamination above the reporting limit of elements also detected in the samples.

Results for thallium are qualified as estimated in value due to low response in the associated low-level standard.

The ICP serial dilution evaluation of MW-3 shows acceptable correlations.

No ICP serial dilution evaluation was performed for the soil matrix. Therefore, the effect of the matrix interference on analyte recoveries has not been determined. This should be considered by the end-users of the data.

Analytical sequence logs should denote the elements reported from each sequence.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
BLIND 1	RTH1006-06	Solid	08/17/10 08:00	08/18/10 12:15	
NORTH PILE	RTH1006-03	Solid	08/17/10 14:10	08/18/10 12:15	
POLY PILES	RTH1006-04	Solid	08/17/10 14:20	08/18/10 12:15	
SOUTH PILE	RTH1006-05	Solid	08/17/10 14:40	08/18/10 12:15	
TP-13 (14-16)	RTH1004-07	Solid	08/16/10 14:20	08/18/10 12:15	
TP-14 (15-17)	RTH1004-13	Solid	08/17/10 12:30	08/18/10 12:15	
TP-15 (15-17)	RTH1006-02	Solid	08/17/10 13:45	08/18/10 12:15	
TP-15 (3-4)	RTH1006-01	Solid	08/17/10 13:30	08/18/10 12:15	
TP-16 (15-17)	RTH1004-12	Solid	08/17/10 11:20	08/18/10 12:15	
TP-17 (15-17)	RTH1004-11	Solid	08/17/10 10:30	08/18/10 12:15	
TP-18 (15-17)	RTH1004-10	Solid	08/17/10 09:45	08/18/10 12:15	
TP-19 (14-16)	RTH1004-09	Solid	08/16/10 15:45	08/18/10 12:15	
TP-20 (16-18)	RTH1004-01	Solid	08/16/10 10:00	08/18/10 12:15	
TP-21 (15-17)	RTH1004-04	Solid	08/16/10 11:30	08/18/10 12:15	
TP-22 (16-18)	RTH1004-05	Solid	08/16/10 12:30	08/18/10 12:15	
TP-23 (8-10)	RTH1004-06	Solid	08/16/10 13:45	08/18/10 12:15	
TP-24 (15-17)	RTH1004-08	Solid	08/16/10 14:50	08/18/10 12:15	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-1	RTH1150-01	Water	08/19/10 13:50	08/20/10 12:40	P3
MW-2	RTH1150-02	Water	08/19/10 11:35	08/20/10 12:40	P3
MW-3	RTH1150-03	Water	08/19/10 10:00	08/20/10 12:40	P3
blind duplicate	RTH1150-06	Water	08/19/10 08:00	08/20/10 12:40	P3
TRIP BLANK	RTH1150-07	Water	08/19/10	08/20/10 12:40	P3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SB-15 (17-20)	RTH1210-01	Solid	08/19/10 09:45	08/23/10 14:15	
SB-23 (15-18)	RTH1210-02	Solid	08/19/10 10:45	08/23/10 14:15	
SB-21 (20-22)	RTH1210-03	Solid	08/19/10 14:30	08/23/10 14:15	
SB-20 (16-20)	RTH1210-04	Solid	08/19/10 16:00	08/23/10 14:15	
SB-13 (6-8)	RTH1210-05	Solid	08/20/10 08:00	08/23/10 14:15	
SB-13 (18-20)	RTH1210-06	Solid	08/20/10 08:45	08/23/10 14:15	
SB-24 (8-12)	RTH1210-07	Solid	08/20/10 09:20	08/23/10 14:15	
SB-24 (20-23)	RTH1210-08	Solid	08/20/10 09:40	08/23/10 14:15	
SB-17 (23-26)	RTH1210-09	Solid	08/20/10 12:00	08/23/10 14:15	
SB-18 (24-28)	RTH1210-10	Solid	08/20/10 13:30	08/23/10 14:15	
SB-16 (20-24)	RTH1210-11	Solid	08/20/10 16:30	08/23/10 14:15	
SS-4	RTH1210-12	Solid	08/20/10 10:45	08/23/10 14:15	
SS-3	RTH1210-13	Solid	08/20/10 16:45	08/23/10 14:15	
SS-2	RTH1210-14	Solid	08/20/10 16:50	08/23/10 14:15	
SS-1	RTH1210-15	Solid	08/20/10 17:00	08/23/10 14:15	
SB-1 (20-24)	RTH1210-16	Solid	08/20/10 15:00	08/23/10 14:15	
SB-2 (16-20)	RTH1210-17	Solid	08/20/10 15:45	08/23/10 14:15	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

The Matrix Spike Blank recovery was below TestAmerica's statistically developed internal laboratory QC limits, for this analyte. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

For method 8260, 1.00 gram of sample TP-20(16-18), 0.97 grams of sample TP-22(16-18), 1.00 gram of sample TP-23(8-10)RE, 1.17 grams of sample TP-19(14-16), 1.15 grams of sample TP-18(15-17), 0.75 grams of sample TP-16(15-17) and 1.01 grams of sample TP-14(15-17) were analzyed instead of the required 5 grams due to sample matrix.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/kg dry	170	330

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

SDG Number: RTH1004

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/18/10
Reported: 09/07/10 11:27

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D02	Dilution required due to sample matrix effects
D08	Dilution required due to high concentration of target analyte(s)
D10	Dilution required due to sample color
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M4	The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
N1	See case narrative.
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
Z3	The sample required a dilution, the surrogate spike concentration in the sample are reduced to a level where the recovery calculation does not provide useful information.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/L	5.0	10

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1150

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/20/10
Reported: 09/16/10 08:42

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D03	Dilution required due to excessive foaming
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
P3	Sample was received above recommended temperature.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1210

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 08/23/10
Reported: 09/13/10 10:25

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
B9	The analyte was detected in the Method / Calibration Blank at a level above the reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.
C4	Calibration Verification recovery was below the method control limit for this analyte.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D02	Dilution required due to sample matrix effects
D04	Dilution required due to high levels of non-target compounds
D08	Dilution required due to high concentration of target analyte(s)
D10	Dilution required due to sample color
D12	Dilution required due to sample viscosity
ID4	Benzo(b)fluoranthene coelutes with Benzo(k)fluoranthene. The reported result is a summation of the isomers and the concentration is based on the response factor of Benzo(b)fluoranthene
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M4	The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R2	The RPD exceeded the acceptance limit.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
Z5	Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

January 7, 2011

Mike Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **D**ata **U**sability **S**ummary **R**eport for the 301 Franklin St site
TAL-Buffalo SDG Nos. RTJ1754 and RTJ2205

Dear Mr. Lesakowski:

Review has been completed for the data packages generated by TestAmerica Laboratory that pertain to samples collected between 10/20/10 and 10/28/10 at the 301 Franklin St site. Six soil samples, six aqueous samples, and a field duplicate of each matrix were analyzed for TCL volatiles by USEPA method 8260B.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample analyses were conducted in compliance with the required analytical protocols. Minor qualifications and edits to certain of the sample results have been made due to matrix or processing issues. Many of the unknown identifications are not accurate.

Copies of the sample identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are laboratory sample results forms annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

Data Package Completeness

The laboratory case narratives do not include the required "verbatim" statement and are not signed.

General

The laboratory has created their own flags and definitions, some of which are not consistent with those of the NYSDEC ASP, utilizing the ASP flags with alternate definitions.

Field Duplicates

Blind field duplicates were performed on MW-4 and MW-5(21-23). Correlations are within validation guidelines.

TCL Volatile Analyses by EPA 8260B

The detected results for t-butylbenzene in MW-4(10-12), MW-4(17-19), MW-5(23-25), MW-6(18-20), and BLIND DUP, and for sec-butylbenzene in MW-4(10-12) are edited to reflect non-detection due to very poor mass spectral quality.

The detected result for p-cymene in MW-6(18-20) is qualified as tentative in identification and estimated in value due to poor mass spectral quality.

The result for methylcyclohexane in BLIND is derived from the dilution analysis of that sample in order to reflect response within the calibration range.

Calibrations standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- 1,1,2-trichloro-1,2,2-trifluoroethane, bromomethane, carbon disulfide, chl0oromethane, and dichlorodifluoromethane (21%D to 36%D) in all of the soil samples except MW-4(17-19)
- 1,2-dibromo-3-chloropropane (low RRF and 33%D)), and methyl acetate, 2-hexanone, bromoform, 4-methyl-2-pentanone, and trans-1,3-dichloropropene (21%D to 37%D) in MW-4(17-19)
- dichlorodifluoromethane (31%D) in all aqueous field samples and the trip blank
- bromoform (27%D) in the Equipment Blank

The matrix spikes of MW-1 show acceptable recoveries and duplicate correlations.

Both matrix spikes of MW-6(18-20) show outlying recoveries for 1,2-dichloroethane, ethylbenzene, 1,2-dichlorobenzene, 1,2,4-trimethylbenzene,, m,p-xylene, o-xylene, total xylenes, and tetrachloroethene (38% to 72%). Results for those compounds are qualified as estimated in the parent sample.

Blanks show no contamination of analytes also detected in associated samples.

Several of the soil samples were processed only at dilution due to the matrix interferences, and some of the aqueous samples were processed only at.dilution, primarily due to target compound concentrations. This resulted in proportionally elevated reporting limits for analytes not detected in those samples. MW-3 was processed at a four-fold dilution that is not supported by raw data, resulting in unnecessarily elevated reporting limits.

The Tentatively Identified Compounds (TICs) that were identified with the CAS number should have been flagged with the required "NJ" flag to denote tentative identifications and estimated values. Those identified only as Unknowns should have been flagged with "J".

Many of the TICs for samples in SDG RTJ2205 were reported with identities that were not supported by the raw data. Full validation would require resubmission of those results from the laboratory.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-6 (14-16)	RTJ1754-01	Solid	10/20/10 17:15	10/22/10 12:10	
MW-6 (18-20)	RTJ1754-02	Solid	10/20/10 17:20	10/22/10 12:10	
BLIND DUP	RTJ1754-05	Solid	10/20/10 12:00	10/22/10 12:10	
MW-5 (23-25)	RTJ1754-06	Solid	10/20/10 17:10	10/22/10 12:10	
MW-5 (21-23)	RTJ1754-07	Solid	10/20/10 17:25	10/22/10 12:10	
MW-4 (17-19)	RTJ1754-08	Solid	10/21/10 13:10	10/22/10 12:10	
MW-4 (10-12)	RTJ1754-09	Solid	10/21/10 13:00	10/22/10 12:10	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-1	RTJ2205-01	Water	10/28/10 14:04	10/29/10 18:10	
MW-2	RTJ2205-04	Water	10/28/10 14:49	10/29/10 18:10	
MW-3	RTJ2205-05	Water	10/28/10 11:24	10/29/10 18:10	
MW-4	RTJ2205-06	Water	10/28/10 15:35	10/29/10 18:10	
MW-5	RTJ2205-07	Water	10/28/10 12:36	10/29/10 18:10	
MW-6	RTJ2205-08	Water	10/28/10 14:33	10/29/10 18:10	
BLIND	RTJ2205-09	Water	10/28/10 08:00	10/29/10 18:10	
EQUIP BLANK	RTJ2205-10	Water	10/28/10 08:00	10/29/10 18:10	
TRIP BLANK	RTJ2205-11	Water	10/28/10	10/29/10 18:10	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8260, 0.81 grams of sample MW-6(14-16), 0.85 grams of sample MW-6(18-20), 0.54 grams of sample BLIND DUP, and 0.62 grams of sample MW-5(21-23) was analzyed instead of the required 5 grams due to sample matrix.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

DATA QUALIFIERS AND DEFINITIONS

J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

DATA QUALIFIERS AND DEFINITIONS

D03	Dilution required due to excessive foaming
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.
TIC	Analyzed by MS T.I.C. (Tentatively Identified Compound)

QUALIFIED SAMPLE RESULTS FORMS

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-01 (MW-6 (14-16) - Solid) — **Sampled: 10/20/10 17:15** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		34	2.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		34	5.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	34	7.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		34	6.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		34	2.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		34	1.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		34	4.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
2-Butanone	ND		170	13	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
2-Hexanone	ND		170	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
p-Cymene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		170	11	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Acetone	51	J	170	29	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Benzene	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromodichloromethane	ND		34	4.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromoform	ND		34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Bromomethane	ND	UJ	34	3.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	34	17	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		34	3.3	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chlorobenzene	ND		34	4.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Dibromochloromethane	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloroethane	ND	UJ	34	7.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloroform	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Chloromethane	ND		34	2.1	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		34	4.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		34	4.9	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Cyclohexane	ND		34	4.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	34	2.8	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Ethylbenzene	ND		34	2.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Isopropylbenzene	ND		34	5.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methyl Acetate	ND		34	6.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		34	3.4	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methylcyclohexane	ND		34	5.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Methylene Chloride	26	J	34	16	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		68	5.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
n-Butylbenzene	ND		34	3.0	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
n-Propylbenzene	ND		34	2.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
o-Xylene	ND		34	4.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
sec-Butylbenzene	ND		34	3.0	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Styrene	ND		34	1.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-01 (MW-6 (14-16) - Solid) - cont.						**Sampled: 10/20/10 17:15**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		34	3.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Tetrachloroethene	ND		34	4.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Toluene	ND		34	2.6	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		34	3.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		34	15	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Trichloroethene	ND		34	7.5	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		34	3.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Vinyl chloride	ND		34	4.2	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Xylenes, total	ND		68	5.7	ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (64-126%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*109 %*		*Surr Limits: (72-126%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*104 %*		*Surr Limits: (71-125%)*				*10/29/10 21:38*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (013065-07-1)	**420**	NJ	Ret Time: 13.836		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
trans-Decalin, 2-methyl- (1000152-47-3)	**1100**	NJ	Ret Time: 11.688		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown01 (none)	**1200**	J	Ret Time: 11.159		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown02 (none)	**1100**		Ret Time: 11.567		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown03 (none)	**630**		Ret Time: 11.761		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown04 (none)	**730**		Ret Time: 11.871		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown05 (none)	**810**		Ret Time: 12.114		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown06 (none)	**790**		Ret Time: 12.26		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown07 (none)	**1000**		Ret Time: 12.388		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
Unknown08 (none)	**980**		Ret Time: 12.65		ug/kg dry	1.00	10/29/10 21:38	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:36	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-02 (MW-6 (18-20) - Solid) — Sampled: 10/20/10 17:20 — Recvd: 10/22/10 12:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		36	2.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		36	5.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		36	4.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	36	8.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND	UJ	36	6.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND	UJ	36	2.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloroethane	ND	UJ	36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		36	2.3	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		36	1.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		36	5.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
2-Butanone	ND		180	13	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
2-Hexanone	ND		180	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
p-Cymene	**210**	NJ	36	2.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		180	12	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Acetone	**85**	J	180	30	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Benzene	ND		36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromodichloromethane	ND		36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromoform	ND		36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Bromomethane	ND	UJ	36	3.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	36	18	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		36	3.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chlorobenzene	ND		36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Dibromochloromethane	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloroethane	ND		36	8.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloroform	ND		36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Chloromethane	ND	UJ	36	2.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		36	4.6	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		36	5.2	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Cyclohexane	ND		36	5.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	36	3.0	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Ethylbenzene	ND	UJ	36	2.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Isopropylbenzene	ND		36	5.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methyl Acetate	ND		36	6.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		36	3.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methylcyclohexane	ND		36	5.5	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Methylene Chloride	**43**		36	17	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND	UJ	72	6.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
n-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
n-Propylbenzene	ND		36	2.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
o-Xylene	ND	UJ	36	4.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
sec-Butylbenzene	ND		36	3.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Styrene	ND		36	1.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-02 (MW-6 (18-20) - Solid) - cont.							**Sampled: 10/20/10 17:20**		**Recvd: 10/22/10 12:10**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	~~44~~	UJ	~~36~~ 44	3.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Tetrachloroethene	ND	UJ	36	4.8	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Toluene	ND		36	2.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		36	3.7	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		36	16	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Trichloroethene	ND		36	7.9	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		36	3.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Vinyl chloride	ND		36	4.4	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Xylenes, total	ND	UJ	72	6.1	ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*89 %*		*Surr Limits: (64-126%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (72-126%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*96 %*		*Surr Limits: (71-125%)*				*10/29/10 22:03*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**1400**	NJ	Ret Time: 8.774		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**950**		Ret Time: 7.752		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3000**		Ret Time: 11.165		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown01 (none)	**5000**	J	Ret Time: 9.127		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown02 (none)	**2000**		Ret Time: 9.218		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown03 (none)	**3800**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown04 (none)	**3000**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown05 (none)	**11000**		Ret Time: 9.547		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown06 (none)	**1700**		Ret Time: 9.699		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
Unknown07 (none)	**1100**		Ret Time: 10.094		ug/kg dry	1.00	10/29/10 22:03	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**82**		0.010	NR	%	1.00	10/26/10 09:38	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-05 (BLIND DUP - Solid) — Sampled: 10/20/10 12:00 — Recvd: 10/22/10 12:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		51	3.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		51	8.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		51	6.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	51	12	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		51	9.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		51	4.0	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		51	2.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		51	3.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		51	2.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		51	7.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
2-Butanone	ND		250	19	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
2-Hexanone	ND		250	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
p-Cymene	ND		51	4.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		250	17	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Acetone	ND		250	43	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Benzene	ND		51	2.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromodichloromethane	ND		51	6.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromoform	ND		51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Bromomethane	ND	UJ	51	4.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	51	25	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		51	4.9	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chlorobenzene	ND		51	6.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Dibromochloromethane	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloroethane	ND		51	12	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloroform	ND		51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Chloromethane	ND	UJ	51	3.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		51	6.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		51	7.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Cyclohexane	ND		51	7.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	51	4.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Ethylbenzene	ND		51	3.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Isopropylbenzene	ND		51	7.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methyl Acetate	ND		51	9.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		51	5.0	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methylcyclohexane	ND		51	7.7	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Methylene Chloride	43	J	51	23	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		100	8.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
n-Butylbenzene	ND		51	4.4	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
n-Propylbenzene	ND		51	4.1	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
o-Xylene	ND		51	6.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
sec-Butylbenzene	ND		51	4.4	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Styrene	ND		51	2.5	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-05 (BLIND DUP - Solid) - cont.						**Sampled: 10/20/10 12:00**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	~~22~~	J U	51	5.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Tetrachloroethene	ND		51	6.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Toluene	ND		51	3.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		51	5.3	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		51	22	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Trichloroethene	ND		51	11	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		51	4.8	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Vinyl chloride	ND		51	6.2	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Xylenes, total	ND		100	8.6	ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*88 %*		*Surr Limits: (64-126%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*74 %*		*Surr Limits: (72-126%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*71 %*		*Surr Limits: (71-125%)*				*10/29/10 23:19*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**1700**	NJ	Ret Time: 10.082		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3200**		Ret Time: 11.159		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Nonane, 2,6-dimethyl- (017302-28-2)	**1400**		Ret Time: 10.332		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Undecane, 2,5-dimethyl- (017301-22-3)	**2000**		Ret Time: 12.145		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown01 (none)	**1400**	J	Ret Time: 9.078		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown02 (none)	**1500**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown03 (none)	**1900**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown04 (none)	**2200**		Ret Time: 9.535		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown05 (none)	**1200**		Ret Time: 11.366		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
Unknown06 (none)	**2000**		Ret Time: 12.64		ug/kg dry	1.00	10/29/10 23:19	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**91**		0.010	NR	%	1.00	10/26/10 09:40	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-06 (MW-5 (23-25) - Solid) — **Sampled: 10/20/10 17:10** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.3	0.38	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		5.3	0.85	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		5.3	0.68	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		5.3	1.0	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		5.3	0.41	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		5.3	0.34	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		5.3	0.27	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		5.3	0.74	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
2-Butanone	ND		26	1.9	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
2-Hexanone	ND		26	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
p-Cymene	ND		5.3	0.42	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		26	1.7	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Acetone	ND		26	4.4	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Benzene	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromodichloromethane	ND		5.3	0.70	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromoform	ND		5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Bromomethane	ND	UJ	5.3	0.47	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	5.3	2.6	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		5.3	0.51	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chlorobenzene	ND		5.3	0.69	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Dibromochloromethane	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloroethane	ND		5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloroform	ND		5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Chloromethane	ND	UJ	5.3	0.32	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Cyclohexane	ND		5.3	0.74	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	5.3	0.43	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Ethylbenzene	ND		5.3	0.36	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Isopropylbenzene	ND		5.3	0.79	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methyl Acetate	ND		5.3	0.98	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.3	0.52	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methylcyclohexane	ND		5.3	0.80	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Methylene Chloride	8.0		5.3	2.4	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		11	0.88	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
n-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
n-Propylbenzene	ND		5.3	0.42	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
o-Xylene	ND		5.3	0.69	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
sec-Butylbenzene	ND		5.3	0.46	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Styrene	ND		5.3	0.26	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-06 (MW-5 (23-25) - Solid) - cont.						**Sampled: 10/20/10 17:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	~~2.5~~	U	5.3	0.55	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Tetrachloroethene	ND		5.3	0.70	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Toluene	ND		5.3	0.40	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Trichloroethene	ND		5.3	1.2	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		5.3	0.50	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Vinyl chloride	ND		5.3	0.64	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Xylenes, total	ND		11	0.88	ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*88 %*		*Surr Limits: (64-126%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*93 %*		*Surr Limits: (72-126%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*82 %*		*Surr Limits: (71-125%)*				*10/29/10 23:44*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**110**	NJ	Ret Time: 10.082		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**99**		Ret Time: 11.159		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Tridecane, 7-methyl- (026730-14-3)	**53**		Ret Time: 12.644		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown01 (none)	**69**	J	Ret Time: 9.079		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown02 (none)	**71**		Ret Time: 9.322		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown03 (none)	**100**		Ret Time: 9.383		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown04 (none)	**180**		Ret Time: 9.535		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown05 (none)	**55**		Ret Time: 9.894		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown06 (none)	**52**		Ret Time: 10.137		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
Unknown07 (none)	**52**		Ret Time: 10.247		ug/kg dry	1.00	10/29/10 23:44	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**95**		0.010	NR	%	1.00	10/26/10 09:42	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-07 (MW-5 (21-23) - Solid) — Sampled: 10/20/10 17:25 — Recvd: 10/22/10 12:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		45	3.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		45	7.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		45	5.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	45	10	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		45	5.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		45	5.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		45	2.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		45	8.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		45	3.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		45	2.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		45	2.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		45	6.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
2-Butanone	ND		220	16	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
2-Hexanone	ND		220	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
p-Cymene	ND		45	3.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		220	15	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Acetone	ND		220	38	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Benzene	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromodichloromethane	ND		45	6.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromoform	ND		45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Bromomethane	ND	UJ	45	4.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	45	22	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		45	4.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chlorobenzene	ND		45	5.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Dibromochloromethane	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloroethane	ND		45	10	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloroform	ND		45	2.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Chloromethane	ND	UJ	45	2.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		45	5.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		45	6.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Cyclohexane	ND		45	6.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	45	3.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Ethylbenzene	ND		45	3.1	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Isopropylbenzene	ND		45	6.7	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methyl Acetate	ND		45	8.3	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		45	4.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methylcyclohexane	ND		45	6.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Methylene Chloride	40	J	45	21	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		89	7.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
n-Butylbenzene	ND		45	3.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
n-Propylbenzene	ND		45	3.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
o-Xylene	ND		45	5.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
sec-Butylbenzene	ND		45	3.9	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Styrene	ND		45	2.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-07 (MW-5 (21-23) - Solid) - cont.						**Sampled: 10/20/10 17:25**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**42**	J	45	4.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Tetrachloroethene	ND		45	6.0	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Toluene	ND		45	3.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		45	4.6	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		45	20	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Trichloroethene	ND		45	9.8	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		45	4.2	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Vinyl chloride	ND		45	5.4	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Xylenes, total	ND		89	7.5	ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*89 %*		*Surr Limits: (64-126%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*95 %*		*Surr Limits: (72-126%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*89 %*		*Surr Limits: (71-125%)*				*10/30/10 00:09*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-4-methylcyclohexane (003728-56-1)	**1900**	NJ	Ret Time: 8.774		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Naphthalene, decahydro- (000091-17-8)	**3100**		Ret Time: 11.159		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Undecane, 2,6-dimethyl- (017301-23-4)	**2600**		Ret Time: 12.151		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown01 (none)	**2100**	J	Ret Time: 9.078		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown02 (none)	**2300**		Ret Time: 9.322		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown03 (none)	**3400**		Ret Time: 9.383		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown04 (none)	**3600**		Ret Time: 9.535		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown05 (none)	**2600**		Ret Time: 10.088		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown06 (none)	**2000**		Ret Time: 10.338		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
Unknown07 (none)	**1800**		Ret Time: 12.65		ug/kg dry	1.00	10/30/10 00:09	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**90**		0.010	NR	%	1.00	10/26/10 09:44	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid) — **Sampled: 10/21/10 13:10** — **Recvd: 10/22/10 12:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2,2-Tetrachloroethane	ND	W1	110	17	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2-Trichloroethane	ND	W1	110	22	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1,2-Trichlorotrifluoroethane	ND	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1-Dichloroethane	ND	W1	110	33	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,1-Dichloroethene	ND	W1	110	36	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2,4-Trichlorobenzene	ND	W1	110	40	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2,4-Trimethylbenzene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dibromo-3-chloropropane	ND UJ	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dibromoethane (EDB)	ND	W1	110	4.0	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichlorobenzene	ND	W1	110	27	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloroethane	ND	W1	110	43	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloropropane	ND	W1	110	17	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,3,5-Trimethylbenzene	ND	W1	110	32	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,3-Dichlorobenzene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,4-Dichlorobenzene	ND	W1	110	15	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
2-Butanone (MEK)	ND	W1	530	310	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
2-Hexanone	ND UJ	W1	530	220	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
4-Isopropyltoluene	ND	W1	110	36	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
4-Methyl-2-pentanone (MIBK)	ND UJ	W1	530	34	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Acetone	ND	W1	530	430	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene	ND	W1	110	5.1	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromodichloromethane	ND	W1	110	21	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromoform	ND UJ	W1	110	53	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Bromomethane	ND	W1	110	23	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Carbon disulfide	ND	W1	110	48	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Carbon Tetrachloride	ND	W1	110	27	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chlorobenzene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chlorodibromomethane	ND	W1	110	51	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloroethane	ND	W1	110	22	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloroform	ND	W1	110	72	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Chloromethane	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
cis-1,2-Dichloroethene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
cis-1,3-Dichloropropene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane	ND	W1	110	23	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Dichlorodifluoromethane	ND	W1	110	46	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Ethylbenzene	ND	W1	110	31	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Isopropylbenzene	ND	W1	110	16	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methyl Acetate	ND UJ	W1	110	50	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methyl tert-Butyl Ether	ND	W1	110	40	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methylcyclohexane	8700	W1	110	49	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Methylene Chloride	ND	W1	110	21	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
m-Xylene & p-Xylene	ND	W1	210	58	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
n-Butylbenzene	ND	W1	110	31	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
n-Propylbenzene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
o-Xylene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
sec-Butylbenzene	400	W1	110	39	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-08 (MW-4 (17-19) - Solid) - cont.						**Sampled: 10/21/10 13:10**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
Styrene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
tert-Butylbenzene	~~110~~ U	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Tetrachloroethene	ND	W1	110	14	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Toluene	ND	W1	110	28	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
trans-1,2-Dichloroethene	ND	W1	110	25	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
trans-1,3-Dichloropropene	ND UJ	W1	110	5.1	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Trichloroethene	ND	W1	110	29	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Trichlorofluoromethane	ND	W1	110	49	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Vinyl chloride	ND	W1	110	35	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Xylenes, total	ND	W1	210	18	ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
1,2-Dichloroethane-d4	*91 %*	*W1*	*Surr Limits: (53-146%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
4-Bromofluorobenzene	*99 %*	*W1*	*Surr Limits: (49-148%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
Toluene-d8	*106 %*	*W1*	*Surr Limits: (50-149%)*				*11/02/10 06:45*	*NMD*	*10K0094*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1-ethyl-2,3-dimethyl- (000933-98-2)	**8600** NJ		Ret Time: 10.991		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	**5800**		Ret Time: 10.62		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Benzene, 1-methyl-4-(1-methylpropyl)- (001595-16-0)	**7600**		Ret Time: 11.502		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.bet (007667-60-9)	**5300**		Ret Time: 7.116		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**17000**		Ret Time: 5.905		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Cyclohexane, 1-methyl-2-propyl- (004291-79-6)	**6200**		Ret Time: 9.069		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Naphthalene, decahydro-, trans- (000493-02-7)	**8100**		Ret Time: 10.188		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown01 (none)	**5700** J		Ret Time: 8.23		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown02 (none)	**5700**		Ret Time: 8.777		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
Unknown03 (none)	**5800**		Ret Time: 11.405		ug/kg dry	1.00	11/02/10 06:45	NMD	10K0094	8260B
General Chemistry Parameters										
Percent Solids	**92**		0.010	NR	%	1.00	10/26/10 09:46	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Sample ID: RTJ1754-09 (MW-4 (10-12) - Solid) — Sampled: 10/21/10 13:00 — Recvd: 10/22/10 12:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dibromoethane	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
2-Butanone	**13**	J	27	2.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
p-Cymene	ND		5.4	0.43	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Acetone	**79**		27	4.6	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromodichloromethane	ND		5.4	0.72	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Bromomethane	ND	UJ	5.4	0.49	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Carbon disulfide	ND	UJ	5.4	2.7	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chlorobenzene	ND		5.4	0.71	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Dibromochloromethane	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Chloromethane	ND	UJ	5.4	0.33	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane	ND		5.4	0.76	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Dichlorodifluoromethane	ND	UJ	5.4	0.45	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Isopropylbenzene	ND		5.4	0.81	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.53	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylcyclohexane	**86**		5.4	0.82	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Methylene Chloride	**7.0**		5.4	2.5	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
m-Xylene & p-Xylene	ND		11	0.91	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
n-Butylbenzene	ND		5.4	0.47	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
n-Propylbenzene	ND		5.4	0.43	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
o-Xylene	ND		5.4	0.71	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
sec-Butylbenzene	~~3.5~~	+ U	5.4	0.47	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ1754

Project: Benchmark-350 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/22/10
Reported: 11/04/10 09:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1754-09 (MW-4 (10-12) - Solid) - cont.						**Sampled: 10/21/10 13:00**		**Recvd: 10/22/10 12:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	~~5.2~~	U J	5.4	0.56	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Tetrachloroethene	ND		5.4	0.73	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Xylenes, total	ND		11	0.91	ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (64-126%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (72-126%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
Toluene-d8	*101 %*		*Surr Limits: (71-125%)*				*10/30/10 00:34*	*PJQ*	*10J2552*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1-Ethyl-3-methylcyclohexane (c,t) (003728-55-0)	**360**	NJ	Ret Time: 8.774		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, 1,3-dimethyl-,cis (000638-04-0)	**540**		Ret Time: 7.053		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, 1,4-dimethyl-, cis- (000624-29-3)	**260**		Ret Time: 7.521		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Cyclohexane, ethyl- (001678-91-7)	**340**		Ret Time: 7.971		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Heptane, 2,5-dimethyl- (002216-30-0)	**230**		Ret Time: 7.752		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown01 (none)	**300**	J	Ret Time: 9.079		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown02 (none)	**240**		Ret Time: 9.219		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown03 (none)	**320**		Ret Time: 9.322		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown04 (none)	**480**		Ret Time: 9.383		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
Unknown05 (none)	**580**		Ret Time: 9.541		ug/kg dry	1.00	10/30/10 00:34	PJQ	10J2552	8260B
General Chemistry Parameters										
Percent Solids	**93**		0.010	NR	%	1.00	10/26/10 09:48	K.V	10J2012	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-01 (MW-1 - Water) — **Sampled: 10/28/10 14:04** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-01 (MW-1 - Water) - cont.						**Sampled: 10/28/10 14:04**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**1.4**		1.0	0.81	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*76 %*		*Surr Limits: (66-137%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*99 %*		*Surr Limits: (73-120%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*85 %*		*Surr Limits: (71-126%)*				*11/07/10 15:17*	*RJ*	*10K0622*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-1,6-dimethyl- (017059-48-2)	**8.0**	NJ	Ret Time: 20.631		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, (3-methyl-2-butenyl)- (004489-84-3)	**4.0**		Ret Time: 21.884		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, 2-ethenyl-1,4-dimethyl- (002039-89-6)	**4.5**		Ret Time: 19.938		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Benzene, pentamethyl- (000700-12-9)	**3.5**		Ret Time: 22.097		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Butane, 2,3-dimethyl- (000079-29-8)	**13**		Ret Time: 7.113		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (001559-81-5)	**8.9**		Ret Time: 21.264		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2,6-dimethyl- (007524-63-2)	**6.1**		Ret Time: 22.876		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**9.4**		Ret Time: 21.093		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**10**		Ret Time: 22.602		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B
Unknown01 (none)	**3.8**		Ret Time: 21.73		ug/L	1.00	11/07/10 15:17	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-04 (MW-2 - Water) — **Sampled: 10/28/10 14:49** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D03	5.0	4.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	5.0	1.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	5.0	1.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	5.0	1.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	5.0	1.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	5.0	1.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dibromo-3-chloropropane	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	5.0	1.1	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	5.0	3.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	5.0	4.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
2-Butanone	ND	D03	50	6.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
2-Hexanone	ND	D03	25	6.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
p-Cymene	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	25	10	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Acetone	ND	D03	50	15	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene	ND	D03	5.0	2.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	5.0	1.9	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromoform	ND	D03	5.0	1.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Bromomethane	ND	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	5.0	0.97	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	5.0	1.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloroethane	ND	D03	5.0	1.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloroform	ND	D03	5.0	1.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Chloromethane	ND	D03	5.0	1.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane	**3.0**	D03,J	5.0	0.90	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND UJ	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	5.0	3.7	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	5.0	2.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	5.0	0.80	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methylcyclohexane	**200**	D03	5.0	0.80	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	5.0	2.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	10	3.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	5.0	3.2	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	5.0	3.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
o-Xylene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
sec-Butylbenzene	ND	D03	5.0	3.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Styrene	ND	D03	5.0	3.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-04 (MW-2 - Water) - cont.						**Sampled: 10/28/10 14:49**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	5.0	4.0	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Toluene	ND	D03	5.0	2.6	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	5.0	4.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	5.0	1.8	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Trichloroethene	ND	D03	5.0	2.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	5.0	4.4	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	5.0	4.5	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Xylenes, total	ND	D03	10	3.3	ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*91 %*	*D03*	*Surr Limits: (66-137%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*99 %*	*D03*	*Surr Limits: (73-120%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*87 %*	*D03*	*Surr Limits: (71-126%)*				*11/06/10 23:26*	*PJQ*	*10K0602*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,5-tetramethyl- (000527-53-7)	71 NJ	D03	Ret Time: 19.11		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 1-methyl-2-(1-methylethyl)- (000527-84-4)	68	D03	Ret Time: 19.865		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 2-ethenyl-1,4-dimethyl- (002039-89-6)	44	D03	Ret Time: 19.938		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Benzene, 4-ethyl-1,2-dimethyl- (000934-80-5)	67	D03	Ret Time: 18.49		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	60	D03	Ret Time: 12.017		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclohexane, ethyl- (001678-91-7)	26	D03	Ret Time: 13.294		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	30	D03	Ret Time: 9.614		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (01) (001192-18-3)	29	D03	Ret Time: 9.869		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (02) (001192-18-3)	40	D03	Ret Time: 9.936		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	26	D03	Ret Time: 22.602		ug/L	5.00	11/06/10 23:26	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-05 (MW-3 - Water) — **Sampled: 10/28/10 11:24** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D03	4.0	3.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	4.0	0.85	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	4.0	0.92	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dibromo-3-chloropropane	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	4.0	0.86	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	4.0	3.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	4.0	3.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	4.0	3.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
2-Butanone	ND	D03	40	5.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
2-Hexanone	ND	D03	20	5.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
p-Cymene	ND	D03	4.0	1.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	20	8.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Acetone	ND	D03	40	12	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Benzene	ND	D03	4.0	1.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromoform	ND	D03	4.0	1.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Bromomethane	ND	D03	4.0	2.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	4.0	0.78	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	4.0	1.1	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloroethane	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloroform	ND	D03	4.0	1.3	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Chloromethane	ND	D03	4.0	1.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	4.0	1.4	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Cyclohexane	ND	D03	4.0	0.72	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND UJ	D03	4.0	2.7	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	4.0	2.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	4.0	0.64	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methylcyclohexane	ND	D03	4.0	0.64	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	4.0	1.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	8.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	4.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	4.0	2.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
o-Xylene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
sec-Butylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Styrene	ND	D03	4.0	2.9	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-05 (MW-3 - Water) - cont.						**Sampled: 10/28/10 11:24**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Toluene	ND	D03	4.0	2.0	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	4.0	3.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	4.0	1.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Trichloroethene	ND	D03	4.0	1.8	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	4.0	3.5	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	4.0	3.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
Xylenes, total	ND	D03	8.0	2.6	ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*86 %*	*D03*	*Surr Limits: (66-137%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*99 %*	*D03*	*Surr Limits: (73-120%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*87 %*	*D03*	*Surr Limits: (71-126%)*				*11/06/10 23:55*	*PJQ*	*10K0602*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND	D03			ug/L	4.00	11/06/10 23:55	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-06 (MW-4 - Water) — **Sampled: 10/28/10 15:35** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D03	4.0	3.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2,2-Tetrachloroethane	ND	D03	4.0	0.85	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2-Trichloroethane	ND	D03	4.0	0.92	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1,2-Trichloro-1,2,2-triflu oroethane	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1-Dichloroethane	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,1-Dichloroethene	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2,4-Trichlorobenzene	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2,4-Trimethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dibromo-3-chloroprop ane	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dibromoethane	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichlorobenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloroethane	ND	D03	4.0	0.86	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloropropane	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,3,5-Trimethylbenzene	ND	D03	4.0	3.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,3-Dichlorobenzene	ND	D03	4.0	3.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,4-Dichlorobenzene	ND	D03	4.0	3.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
2-Butanone	ND	D03	40	5.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
2-Hexanone	ND	D03	20	5.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
p-Cymene	ND	D03	4.0	1.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
4-Methyl-2-pentanone	ND	D03	20	8.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Acetone	ND	D03	40	12	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene	ND	D03	4.0	1.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromodichloromethane	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromoform	ND	D03	4.0	1.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Bromomethane	ND	D03	4.0	2.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Carbon disulfide	ND	D03	4.0	0.78	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Carbon Tetrachloride	ND	D03	4.0	1.1	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chlorobenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Dibromochloromethane	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloroethane	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloroform	ND	D03	4.0	1.3	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Chloromethane	ND	D03	4.0	1.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
cis-1,2-Dichloroethene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
cis-1,3-Dichloropropene	ND	D03	4.0	1.4	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane	**3.9**	D03,J	4.0	0.72	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Dichlorodifluoromethane	ND UJ	D03	4.0	2.7	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Ethylbenzene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Isopropylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methyl Acetate	ND	D03	4.0	2.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D03	4.0	0.64	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methylcyclohexane	**390**	D03	4.0	0.64	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Methylene Chloride	ND	D03	4.0	1.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
m-Xylene & p-Xylene	ND	D03	8.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
n-Butylbenzene	ND	D03	4.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
n-Propylbenzene	ND	D03	4.0	2.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
o-Xylene	ND	D03	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
sec-Butylbenzene	**3.2**	D03,J	4.0	3.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Styrene	ND	D03	4.0	2.9	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-06 (MW-4 - Water) - cont.						**Sampled: 10/28/10 15:35**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND	D03	4.0	3.2	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Tetrachloroethene	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Toluene	ND	D03	4.0	2.0	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
trans-1,2-Dichloroethene	ND	D03	4.0	3.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
trans-1,3-Dichloropropene	ND	D03	4.0	1.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Trichloroethene	ND	D03	4.0	1.8	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Trichlorofluoromethane	ND	D03	4.0	3.5	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Vinyl chloride	ND	D03	4.0	3.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Xylenes, total	ND	D03	8.0	2.6	ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
1,2-Dichloroethane-d4	*86 %*	*D03*	*Surr Limits: (66-137%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
4-Bromofluorobenzene	*98 %*	*D03*	*Surr Limits: (73-120%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
Toluene-d8	*83 %*	*D03*	*Surr Limits: (71-126%)*				*11/07/10 00:24*	*PJQ*	*10K0602*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**77** NJ	D03	Ret Time: 19.865		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**78**	D03	Ret Time: 19.11		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Benzene, 2-ethyl-1,4-dimethyl- (001758-88-9)	**78**	D03	Ret Time: 18.49		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**34**	D03	Ret Time: 12.528		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**110**	D03	Ret Time: 12.017		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclohexane, ethyl- (001678-91-7)	**49**	D03	Ret Time: 13.294		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**51**	D03	Ret Time: 9.62		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl- (002452-99-5)	**71**	D03	Ret Time: 9.942		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Cyclopentane, 1,2-dimethyl-, cis- (001192-18-3)	**48**	D03	Ret Time: 9.869		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B
Indan, 1-methyl- (000767-58-8)	**49**	D03	Ret Time: 19.938		ug/L	4.00	11/07/10 00:24	PJQ	10K0602	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-07 (MW-5 - Water)						**Sampled: 10/28/10 12:36**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Acetone	**3.2**	J	10	3.0	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-07 (MW-5 - Water) - cont. **Sampled: 10/28/10 12:36** **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B - cont.

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
tert-Butylbenzene	**4.3**		1.0	0.81	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*74 %*		*Surr Limits: (66-137%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*80 %*		*Surr Limits: (71-126%)*				*11/07/10 16:43*	*RJ*	*10K0622*	*8260B*

Tentatively Identified Compounds by EPA 8260B

Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**31**	NJ	Ret Time: 19.865	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**38**		Ret Time: 19.104	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Benzene, 4-etnyl-´,2-dimethyl- (000934-80-5)	**32**		Ret Time: 18.49	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,1-dimethyl- (000590-66-9)	**32**		Ret Time: 12.284	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,2-dimethyl-, trans- (006876-23-9)	**39**		Ret Time: 12.528	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, trans- (002207-03-6)	**28**		Ret Time: 12.017	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,1,3-trimethyl- (004516-69-2)	**33**		Ret Time: 10.715	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**25**		Ret Time: 9.62	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Cyclopentane, 1,3-dimethyl- (002453-00-1)	**30**		Ret Time: 9.869	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B
Pentane, 2,3-dimethyl- (000565-59-3)	**26**		Ret Time: 9.358	ug/L	1.00	11/07/10 16:43	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-08 (MW-6 - Water) — **Sampled: 10/28/10 14:33** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichlorobenzene	**1.1**		1.0	0.79	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methylcyclohexane	**7.0**		1.0	0.16	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
sec-Butylbenzene	**2.2**		1.0	0.75	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-08 (MW-6 - Water) - cont.						**Sampled: 10/28/10 14:33**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*71 %*		*Surr Limits: (66-137%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*82 %*		*Surr Limits: (71-126%)*				*11/07/10 17:12*	*RJ*	*10K0622*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-1,1-dimethyl- (004912-92-9)	**19**	NJ	Ret Time: 20.637		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
6-Methyl-4-indanol (020294-32-0)	**12**		Ret Time: 20.363		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**61**		Ret Time: 19.104		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**18**		Ret Time: 12.017		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclopentane, 1,1,3-trimethyl- (004516-69-2)	**8.7**		Ret Time: 10.715		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**9.6**		Ret Time: 9.62		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-1-methyl- (001559-81-5)	**16**		Ret Time: 21.264		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-2-methyl- (003877-19-8)	**17**		Ret Time: 21.093		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Naphthalene, 1,2,3,4-tetrahydro-6-methyl- (001680-51-9)	**12**		Ret Time: 22.596		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B
Unknown01 (none)	**19**		Ret Time: 4.14		ug/L	1.00	11/07/10 17:12	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-09 (BLIND - Water) — **Sampled: 10/28/10 08:00** — **Recvd: 10/29/10 18:10**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Acetone	**4.8**	J	10	3.0	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane	**4.2**		1.0	0.18	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methylcyclohexane	~~330~~	340	1.0	0.16	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
o-Xylene	**0.99**	J	1.0	0.76	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
sec-Butylbenzene	**3.2**		1.0	0.75	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-09 (BLIND - Water) - cont.						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	**2.2**		1.0	0.81	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Xylenes, total	**0.99**	J	2.0	0.66	ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*76 %*		*Surr Limits: (66-137%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*80 %*		*Surr Limits: (71-126%)*				*11/07/10 17:40*	*RJ*	*10K0622*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
1H-Indene, 2,3-dihydro-4-methyl- (000824-22-6)	**40**	NJ	Ret Time: 19.931		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1,2,3,4-tetramethyl- (000488-23-3)	**69**		Ret Time: 19.864		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1,2,4,5-tetramethyl- (000095-93-2)	**69**		Ret Time: 19.104		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Benzene, 1-ethyl-2,3-dimethyl- (000933-98-2)	**75**		Ret Time: 18.49		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane, 1,3-dimethyl-, cis- (000638-04-0)	**76**		Ret Time: 12.017		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclohexane, ethyl- (001678-91-7)	**33**		Ret Time: 13.294		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,1-dimethyl- (001638-26-2)	**46**		Ret Time: 9.62		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,2-dimethyl-, trans- (000822-50-4)	**58**		Ret Time: 9.942		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Cyclopentane, 1,3-dimethyl-, cis- (002532-58-3)	**43**		Ret Time: 9.869		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B
Indane (000496-11-7)	**30**		Ret Time: 17.924		ug/L	1.00	11/07/10 17:40	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-10 (EQUIP BLANK - Water) — Sampled: 10/28/10 08:00 — Recvd: 10/29/10 18:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromoform	ND	UJ	1.0	0.26	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-10 (EQUIP BLANK - Water) - cont.						**Sampled: 10/28/10 08:00**		**Recvd: 10/29/10 18:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B
1,2-Dichloroethane-d4	*94 %*		*Surr Limits: (66-137%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
4-Bromofluorobenzene	*92 %*		*Surr Limits: (73-120%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
Toluene-d8	*91 %*		*Surr Limits: (71-126%)*				*11/08/10 13:25*	*RJ*	*10K0664*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/L	1.00	11/08/10 13:25	RJ	10K0664	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Sample ID: RTJ2205-11 (TRIP BLANK - Water) — Sampled: 10/28/10 — Recvd: 10/29/10 18:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dibromoethane	ND		1.0	0.73	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
2-Butanone	ND		10	1.3	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Acetone	ND		10	3.0	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methylcyclohexane	**0.52**	J	1.0	0.16	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Methylene Chloride	**0.76**	J	1.0	0.44	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTJ2205

Project: Benchmark- 301 Franklin St./Olean, NY site
Project Number: TURN-0016

Received: 10/29/10
Reported: 11/11/10 15:13

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2205-11 (TRIP BLANK - Water) - cont.						**Sampled: 10/28/10**			**Recvd: 10/29/10 18:10**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B
1,2-Dichloroethane-d4	*68 %*		*Surr Limits: (66-137%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
4-Bromofluorobenzene	*100 %*		*Surr Limits: (73-120%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
Toluene-d8	*83 %*		*Surr Limits: (71-126%)*				*11/07/10 18:38*	*RJ*	*10K0622*	*8260B*
Tentatively Identified Compounds by EPA 8260B										
No TICs found (NOTICS)	ND				ug/L	1.00	11/07/10 18:38	RJ	10K0622	8260B

APPENDIX D

ELECTRONIC COPY OF PRE-DESIGN INVESTIGATION REPORT