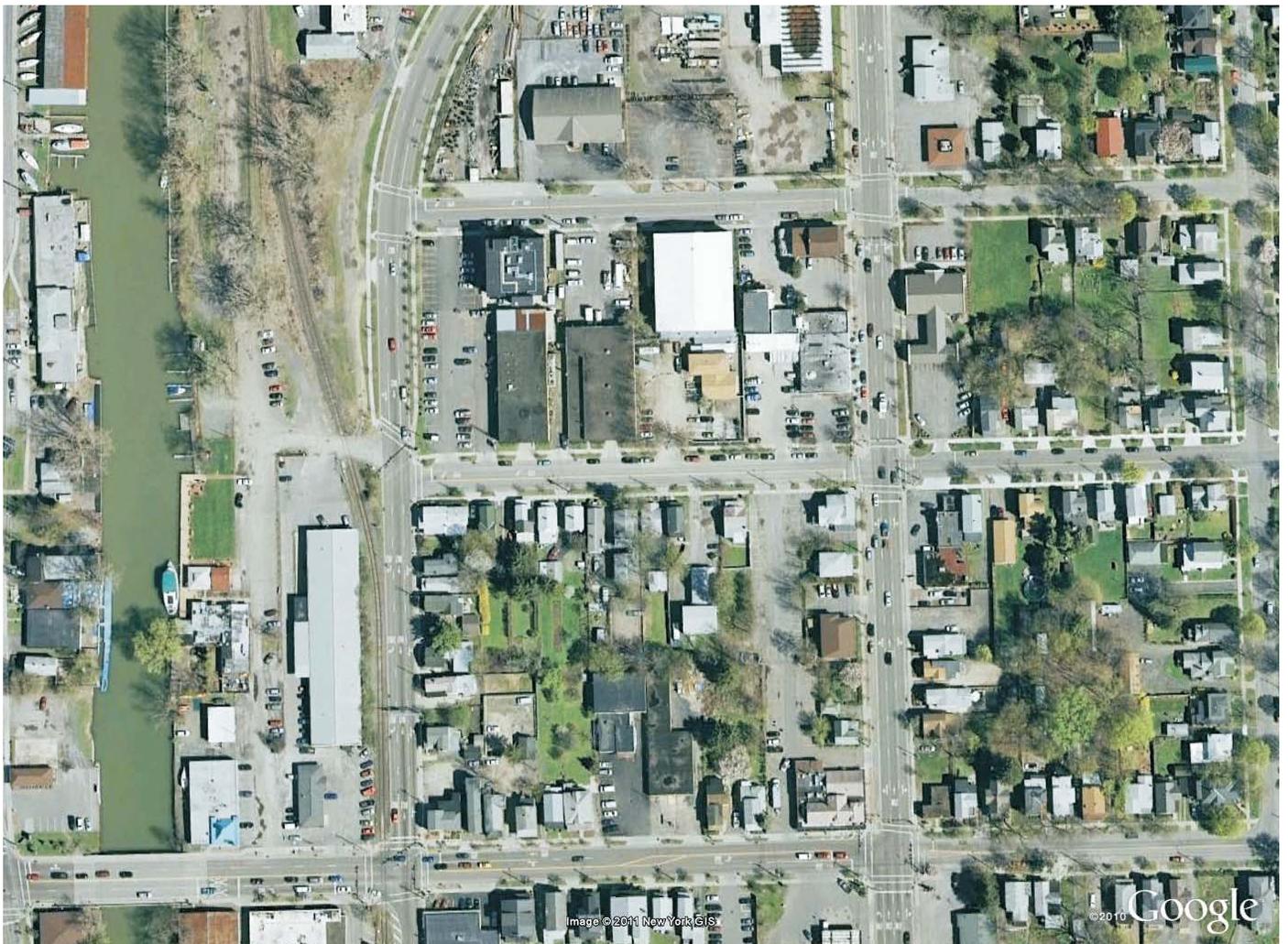




**New York State Electric & Gas Corporation**

*Ithaca Court Street Former Manufactured Gas Plant  
City of Ithaca, Tompkins County, New York  
NYSDEC Site Number: 7-55-008*

**Operable Unit No. 2 (OU-2) Interim Remedial Measure  
CONSTRUCTION COMPLETION REPORT  
For Wooden Duct Removal Project  
On W. Court Street Between N. Meadow and N. Fulton Streets  
APRIL 2011**



Prepared For:  
**New York State Electric & Gas Corporation**  
James A. Carrigg Center, 18 Link Drive  
Binghamton, New York 13902-5224

**URS**  
URS Corporation - New York  
77 Goodell Street  
Buffalo, New York 14203

**Operable Unit No. 2 (OU-2)  
Interim Remedial Measure**

**CONSTRUCTION COMPLETION REPORT**

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**Associated With**

**Ithaca Court Street  
Former Manufactured Gas Plant Site  
City of Ithaca, Tompkins County, New York**

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77 Goodell Street  
Buffalo, NY 14203

**APRIL 2011**

## CERTIFICATIONS

I, Jack Wilcox, certify that I am currently a registered Professional Engineer licensed by the State of New York, I had primary direct responsibility for the implementation of the subject construction program at the NYSEG Ithaca Court Street site (NYSDEC Site Number 7-55-008), and I certify that the Interim Remedial Measures Work Plan (Work Plan) was implemented and that all construction activities were completed in substantial conformance with the Department-approved Work Plan.

The data submitted to the DER demonstrates that the remediation requirements set forth in the Work Plan and all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established by the Work Plan.

Respectfully submitted,

\_\_\_\_\_  
Jack Wilcox  
Registered Professional Engineer  
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77 Goodell Street  
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\_\_\_\_\_  
Date

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B	Photographic Log
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## 1.0 INTRODUCTION

This Construction Completion Report (CCR) documents the completion of the offsite phase for the removal and disposal of two wooden ducts and a clay tile /cast iron pipe that contains coal tar underneath W. Court Street between N. Meadow and N. Fulton Streets. The wooden duct transported coal tar approximately one-half mile from the former New York State Electric and Gas (NYSEG) manufactured gas plant (MGP) site located on West Court Street, east of the intersection of N. Plain Street, in the City of Ithaca, Tompkins County, New York, to the Cayuga Inlet Coal Tar Site (Site No. 7-55-007) to the west. Sections of the wooden duct were previously removed between the Court Street former MGP Site and east side of N. Meadow Street. This CCR addresses remediation activities that took place within W. Court Street between N. Meadow and N. Fulton Streets as part of Operable Unit 2 (OU-2) of the Court Street Former MGP Site. This work was completed pursuant with Section VII of the Order on Consent (Index No. D0-0002-9309) between NYSEG and the New York State Department of Environmental Conservation (NYSDEC), the Record of Decision (ROD) issued by the NYSDEC in September 2003 for the Ithaca Court Street site, and the Explanation of Significant Differences issued by the NYSDEC in November 2007.

In accordance with the NYSDEC-approved OU2 Interim Remedial Measures Work Plan For Wooden Duct Removal Project on W. Court Street Between Meadow and Fulton Streets Associated With Ithaca Court Street Former MGP Site (Site No. 7-55-008) (Work Plan) prepared by NYSEG, October 2010, this project was undertaken by NYSEG and involved removal and disposal of the wooden duct and impacted soil within W. Court Street between N. Meadow and N. Fulton Streets. Two test pits were excavated west of N. Fulton Street to confirm the absence of the wooden duct west of N. Fulton Street.

This report contains four sections, including this Introduction. Section 2.0 describes the Interim Remedial Measures (IRMs), site Operable Units (OUs), and describes the remediation activities. Section 3.0 discusses the air monitoring program and Section 4.0 presents deviations in the remedy construction. Tables and Figures that are referenced in this report follow the text. An Engineer Certification precedes this section.

Appendices are either attached or provided on a data disc. Appendix A provides the Air Monitoring Data; Appendix B is a log of select project photographs; Appendix C provides the project permits obtained; D provides the Certificates of Treatment and Recycling from Environmental Soil Management, Inc.; Appendix E

presents the Clean Harbors manifests; Appendix F presents the laboratory analytical reports for wastewater samples. The Data Usability Summary Report (DUSR) is provided as Appendix G.

## 1.1 Site Description

This remediation project on W. Court Street between N. Meadow and N. Fulton Streets located in the City of Ithaca, Tompkins County, New York (Figure 1) is the final phase of removing the wooden ducts that transported coal tar from the Ithaca Court Street former MGP site to tar wells located at the Cayuga Inlet coal tar transfer site. The work area consists of a 570-foot length of W. Court Street from the northern curb line to the centerline (approximately 18 feet). The ducts were capped near the pedestrian crossing at the western edge of N. Meadow Street and the eastern edge of N. Fulton Street. No excavation and/or removal were conducted within those intersections during the course of the project. Remediation within the intersections will be conducted in the future, if necessary, in conjunction with any New York State Department of Transportation (NYSDOT) roadway projects of NYS Route 13. Excavation and backfilling activities for this portion of the project are complete. The surface of W. Court Street will be paved and restored for traffic in Spring 2011 by the City of Ithaca.

## 1.2 Site History

For a detailed description of the Ithaca Court Street Former Manufactured Gas Plant site see the Remedial Design Work Plan for Removal of the Subsurface Wooden Duct Associated with Ithaca Court Street Former Manufactured Gas Plant site, prepared by URS and dated October 2003.

Two subsurface wooden ducts and a clay tile/cast iron pipe, located approximately 5 to 6 feet below ground surface (bgs) between the northern sidewalk and the center-line of the street, transported coal tar from the MGP site to tar wells located at the Cayuga Inlet Site. The coal tar from these tar wells at the Cayuga Inlet site was pumped into either barges or railroad cars and used off-site.

## 2.0 PREVIOUS INTERIM REMEDIAL MEASURES AND INVESTIGATIONS

The purpose of this section is to summarize work previously performed on the subsurface wooden duct as interim remedial measures (IRMs) and documented in individual reports.

- In the Summer and Fall of 1995, to support the NYSDOT Ithaca Infrastructure Project for NYS Routes 13, 79, 89, and 96, NYSEG provided oversight for limited excavation and disposal of portions of the subsurface duct on W. Court Street between the west side of N. Meadow Street (NYS Route 13 North) and the west side of N. Fulton Street (NYS Route 13 South). The remaining duct was capped at both N. Meadow and N. Fulton Streets.
- In 1999, NYSEG performed an IRM at the Cayuga Inlet site which removed contaminated surface and subsurface soil, piping and tar storage/handling structures. The subsurface wooden duct was removed from the Inlet back to the east side of the site where it was capped. Confirmatory sampling verified that the remedial goals had been met. NYSEG prepared an IRM Final Engineering Report for activities at the Ithaca Cayuga Inlet Coal Tar Site, dated June 1999.
- This work was followed by additional investigation of the waterway and in 2003 a ROD was issued indicating that no further action was required at the Inlet site
- Then in the Spring of 2000, NYSEG completed an IRM project on the properties of the Old Port Harbor Restaurant and Watts Distributing Company. During that IRM project the subsurface wooden duct was removed from where it was capped during the previous IRM project to the east side of Watt's Distributing Company. The duct was capped at this point. A section of duct (capped at both ends) remained from the east side of Fulton Street continuing under the Lehigh Valley HSE + HO Corporation's railroad tracks to the west side of Watt's Distributing Company property. NYSEG prepared a IRM Final Engineering Report for activities at Ithaca Court Street MGP Site Subsurface Wooden Duct Extension, dated August 2001.
- In the Fall of 2001 through Spring of 2002, NYSEG completed a Supplemental Remedial Investigation that collected soil and water samples adjacent to the remaining wooden duct along W. Court Street. This sampling was primarily done to determine if the wooden duct had leaked coal tar constituents into the surrounding soil. Such a leak was detected at the intersection of W. Court and Washington Streets where the wooden duct had been breached by an underground utility line. Coal tar constituents were detected in subsurface soil along a narrow strip near the west curb line of

Washington Street, north of Court Street, to Cascadilla Street. To facilitate the remediation of the Court Street Site while the off-site impacts are further investigated, the site was divided into two operable units. OU1 consists of the former MGP property, extending to the surrounding sidewalks and the wooden duct from the MGP site to the east side of N. Meadow Street formerly used to transport coal tar to the Cayuga Inlet. OU2 will address any remnants of the wooden duct which may remain west of N. Meadow Street and all coal tar which has migrated from the site and the wooden duct, along with any associated soil, groundwater, and soil gas contamination beyond the OU1 site.

In Fall of 2003 through the Fall of 2005 NYSEG completed a Remedial Design for removal of the subsurface wooden duct on W. Court Street from the east side of N. Meadow Street to the MGP site east of the intersection of N. Plain Street . During this work two wooden ducts, a clay pile and coal tar contaminated soil was removed and disposed off-site. NYSEG prepared an IRM Final Engineering Report for activities at the Ithaca Court Street MGP Site Subsurface Wooden Duct Extension, dated April 2007.

## **3.0 INTERIM REMEDIAL MEASURE PERFORMED**

### **3.1 Governing Documents**

#### **3.1.1 Site Specific Health & Safety Plan (HASP)**

All remedial work performed was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA and the site-specific HASP.

#### **3.1.2 Quality Assurance Project Plan (QAPP)**

The QAPP was included as an Appendix of the Work Plan approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives.

#### **3.1.3 Construction Quality Assurance Plan (CQAP)**

The CQAP was included as an Appendix of the Work Plan. The CQAP managed the performance of the tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The CQAP provided description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications.

#### **3.1.4 Transportation of Solid and/or Liquid Waste Plan**

The Transportation of Solid and/or Liquid Waste Plan was included as an Appendix of the Work Plan and identified requirements for the transportation of solid and/or liquid non-hazardous and hazardous waste for the site such that all transportation shall be performed with all applicable Federal, State, and local laws and regulations.

### **3.1.5 Contingency Plan**

The Contingency Plan was included as an Appendix of the Work Plan and addresses potential emergencies that may arise as a result of operations during remedial activities. The Plan identifies the conditions for implementing the Contingency Plan, contingency procedures in response to those conditions, and emergency evacuation procedures.

### **3.1.6 Vapor Emission Response Plan**

The Odor Control Plan was included as an Appendix in the Work Plan and describes the engineering controls to be implemented to reduce vapors and odor-causing emissions during the remedial action.

### **3.1.7 Air Quality Monitoring Plan**

The Air Quality Monitoring Plan is described in Section 4 of this report.

## **3.2 Project Overview and Approach**

The project involved removal and disposal of the wooden duct, a ductile iron pipe, any additional clay tile pipe that contained coal tar, and surrounding coal tar impacted soil underneath W. Court Street between N. Meadow and N. Fulton Streets. In addition, abandoned gas, water and sewer piping that was encountered was removed. Excavation activities stopped at N. Meadow Street at the west side pedestrian crossing and at N. Meadow Street at the east side pedestrian crossing. No excavation and/or removal were conducted within the intersections of W. Court Street and N. Meadow Street, or W. Court Street and N. Fulton Street at this time. Remediation will be conducted in the future, if necessary, in conjunction with any NYSDOT roadway projects of NYS Route 13.

In addition, as part of the Remedial Investigation Work Plan NYSEG's Ithaca Court Street Former MGP Site Operable Unit 2, Section 3.2 Test Pit Excavation (Area 3), two test pits were excavated to evaluate soil conditions and to identify, if present, the location of any remaining wooden ducts and/or clay tile/ductile iron pipes. No coal tar contaminated soil or any wooden ducts and/or clay tile/ductile iron pipes were observed.

### 3.3 Protection of Utilities

In conjunction with remediation of the site, a number of activities to relocate or protect utilities within or near the remediation area were undertaken including:

- Dig Safely of NY and NYSEG identified the location of onsite utilities.
- NYSDOT identified the location of traffic loops located at the intersections at N. Meadow and N. Fulton Streets.
- Water service piping and the storm sewer within W. Court Street were located in the field and protected during remediation.

### 3.4 Mobilization and Site Preparation

Prior to beginning remedial work, equipment and supplies were mobilized to the staging area located on Esty Street at the Ithaca Court Street MGP Site. The support area and temporary water treatment system constructed at the former MGP property were utilized for this portion of the project.

### 3.5 Project Permits

In order to perform the remedial work, the following types of permits were obtained:

- NYSDEC Waste Transporter permits (6 NYCRR Part 364) were obtained by the Transportation Contractor for the vehicles used for transportation of waste.
- NYSEG obtained a permit from the POTW to allow discharge of the treated wastewater. Copies of the Ithaca Area Wastewater Treatment Facility (IAWTF) temporary wastewater discharge permit are provided in Appendix D.
- NYSEG obtained a Street Closure permit from the City of Ithaca to allow W. Court Street between N. Meadow and N. Fulton Streets to be closed during remedial activities.

### 3.6 General Site Controls

Each work day, “Road Closed No Thru Traffic” signage was installed, and W. Court Street between N. Meadow and N. Fulton Streets was closed to all but local traffic. The sidewalks remained open to all pedestrians. The perimeters of the Exclusion and Contamination Reduction Zones were fenced. The

community air monitoring stations were setup prior to any intrusive work. At the conclusion of each work day, the excavated area was backfilled, Road Closed signage was removed and vehicular traffic was allowed until the morning of the next work day. The excavator was barricaded off with flashing lights and remained at the work area overnight; all other equipment was returned to the MGP property daily.

## **3.7 Soil Removal**

### **3.7.1 Soil Cleanup Objectives**

The cleanup objectives were to remove and dispose of the wooden duct, a ductile iron pipe, any additional clay tile pipe that contained coal tar and surrounding coal tar impacted soil underneath W. Court Street between N. Meadow and N. Fulton Streets.

### **3.7.2 Excavation and Backfilling Activities**

Excavation commenced on October 27, 2010 at the western edge of N. Meadow Street and progressed westerly toward N. Fulton Street. The 14-inch thick blacktop surface of W. Court Street was saw cut, removed and disposed at Seneca Meadows at the start of each day. Soil was excavated and disposed at ESMI of NY. The wooden duct was saw cut into 4-foot lengths, placed in a roll-off container at the staging area and disposed at Clean Harbors. The excavation had a minimum depth of 6.6 feet and a maximum depth of 8.8 feet. The excavated area is located on Figure 2. During excavation, odors and fugitive vapors emanating from the excavation were controlled utilizing BioSolve®. The length of excavation each day was approximately 30 feet and the width was approximately 18 feet. Following confirmation sampling, the excavated area was backfilled to grade by the end of each day. Backfill soil was imported from a NYSEG-approved and NYSDOT-certified source. All backfill material met TAGM 4046 Recommended Soil Cleanup Objectives (RSCOs). Backfill included bank-run-gravel, followed by 2 feet of limestone crusher-run to grade compacted to NYSDOT regulations to allow vehicular traffic.

Analytical results from soil confirmation samples at locations 005, 007, and 010 indicated that additional excavation was necessary. In these three areas, the 30-foot length of backfill material was removed and staged for re-use. The area was re-excavated to a depth of 8.8 feet and confirmation samples obtained from the bottom and sidewalls. Removed backfill material was replaced in the excavation which was brought to grade with new limestone crusher-run. Excavation and backfill activities along the 570-foot length of W. Court Street were finished on December 21, 2011.

On December 22, 2011, two test pits were excavated on the west side of N. Fulton Street (west of the railroad tracks) to evaluate soil conditions and to identify, if present, the location of any remaining wooden ducts and/or clay tile/ductile iron pipes. No coal tar contaminated soil or any wooden ducts and/or clay tile/ductile iron pipes were observed.

A Vac truck was utilized to control groundwater inflow to allow excavation to be performed in the dry. The water table was generally below the depth of the wooden duct. Water that did enter the excavation generally came from the storm sewer bedding material. Water generated from dewatering operations was transported to the temporary groundwater treatment system installed and operated on the former MGP site near the corner of N. Albany Street and Esty Street. This system is discussed in Section 2.8.

### **3.7.3 Disposal Protocols**

A summary of the 3,970.34 tons of soil disposed as conditionally exempt MGP remediation waste (thermally treated) at ESMI of NY is presented in Table 2. The ESMI of NY Certificate of Treatment and Recycling is presented in Appendix D. A summary of C & D asphalt disposed at Seneca Meadows Landfill is presented in Table 3. Excavated piping and ducts were transported to the W. Court Street site staging area, placed in a roll-off container and disposed at Clean Harbors. A total of three roll-off containers were transported to Clean Harbors; manifests are provided in Appendix E.

### **3.7.4 Confirmation Sampling Program and Residual Contamination**

Confirmation samples were obtained at a frequency of approximately one per 30 lineal-feet along the north and south sidewalls and from the bottom of the excavation. Sidewall samples were obtained at an approximate depth of 6 feet. Approximate sample locations are shown on Figure 2. The sample ID and depth are presented on Table 1 with the following Location ID rationale:

- CSBMEX001 – soil sample from bottom of excavation at location 001
- CSSWEX001N – soil sample from north side wall of excavation at location 001
- CSSWEX001S – soil sample from south side wall of excavation at location 001.

At three locations, 005, 007, and 010, soil samples were obtained at a depth of 6.6 feet. When these three locations were re-excavated to a depth of 8.8 feet, a soil confirmation sample was obtained at the bottom of each 8.8-foot excavation and sidewall samples were obtained at an approximate depth of 8 feet (e.g.,

Location ID CSBMEX005A). Table 4 presents a summary of detected analytes in the confirmation soil samples. A Data Usability Summary Report (DUSR), Appendix G, was prepared for confirmation soil sample results.

### **3.8 Temporary Groundwater Treatment System**

The temporary groundwater treatment system (WWTS) that was installed for the Remedial Design Work Plan for remediation of the Ithaca Court Street Former MGP Site was used for this project. Water from the Vac truck was pumped into the influent storage tanks and then through WWTS. Batch samples were collected from the effluent tank and sent to Test America Laboratories of Buffalo, NY for analysis of VOCs, SVOCs, pesticides, herbicides, metals, total cyanide, oil and grease, pH and total suspended solids. Analytical results are provided in Table 5. Laboratory analytical results for wastewater samples are presented in Appendix F. All wastewater sample results were found to be acceptable. No VOCs, SVOCs, pesticides, herbicides, or oil and grease were detected. Detections of metals and total cyanide were below the Ithaca Area Wastewater Treatment Facility (IAWTF) criteria. Measurements of pH were within criteria. IAWTF does not provide criteria for total suspended solids. Once IAWTF indicated that the results were acceptable, treated water from the tank was discharged. The total quantity of water treated for this portion of the project was 89,320 gallons. The total quantity of water discharged to the IATTF through a manhole located near the corner of Esty Street and North Albany Road was 70,737 gallons. Remaining treated water was used onsite as Biosolve® decontamination water.

### **3.9 Demobilization and Restoration**

The WWTS was dismantled; all equipment and materials were demobilized from the site by January 19, 2011. W. Court Street between N. Meadow and N. Fulton Streets will be resurfaced by the City of Ithaca in Spring 2011.

## 4.0 AIR MONITORING PLAN

### 4.1 Overview

In order to provide additional protection for the health and safety of site workers and the community, an Air Quality Monitoring Program was conducted. The objective of the Air Quality Monitoring Program was to provide direct measurement of VOCs and total suspended particulates (0.1 to 10 microns) which could potentially be released during excavation, handling, and transportation of MGP residues at the site. The air-quality monitoring program consisted of: (1) work zone air-monitoring for evaluating construction worker health and safety; and (2) community air-monitoring to determine the levels of VOCs and total suspended particulates at the perimeter of the Work Area. Real-time air monitoring and speciated real-time data was used to guide appropriate action to reduce/minimize air emissions to acceptable levels. Air monitoring results are presented in Appendix B. Results indicated that no air handling unit was necessary for excavation activities.

### 4.2 Work Zone Air-Monitoring Program

The air quality within the work zone was monitored to ensure worker health and safety in accordance with requirements specified in 29 CFR 1910.120 as described in the NYSEG *Health And Safety Plan For Activities Associated With Ithaca Court Street Former Manufactured Gas Plant Site*.

### 4.3 Community Air-Monitoring Program

NYSEG implemented a community air monitoring program (CAMP) during the project to provide direct measurement of VOCs and total suspended particulates during remediation work, including excavation, handling of MGP-impacted soil, grading, and backfill. Community air monitoring included real time air quality data collected throughout the duration of all excavation activities with upwind, downwind and nearest receptor measurements. Prevailing winds were from the north-northwest.

Total VOC monitoring was measured using a total volatile organic analyzer equipped with a photo ionization detector (PID) using a 10.2 eV lamp. The instrument measured concentrations continuously and calculated 15 minute averages per hour throughout the day. To supplement the real-time VOC air monitoring for the community air monitoring program, a portable gas chromatograph (GC) Photovac Petropro™ was used to determine the concentration of the individual BTEX (benzene, toluene, ethylbenzene and xylenes) compounds. The Photovac Petropro™ was equipped with a PID detector and could determine the BTEX

compounds with detection limits in the low ppb (parts per billion) range. Samples were collected in a tedlar bag over a 30 minute period and analyzed by the GC.

Three site perimeter monitoring stations were established based on meteorological information, one upwind, one downwind, and one at the nearest receptor. One air sample was collected and analyzed at each station once every two hours during excavation of MGP contaminated soil and debris, commencing at the start of the work day continuing until excavation activities had ceased, or as warranted by the Vapor Emission Response Plan. Monitoring activities were conducted by a URS sampling technician, and the monitoring data was shared with NYSDEC, NYSDOH, and the Tompkins County Department of Health (TCDOH). Copies of the air monitoring reports are provided in Appendix B. Sample results were compared to the short term guidance (SGC) values as published in Air Guide-1; no exceedances of SGCs were noted.

In conjunction with the real-time volatile emission monitoring, direct-reading monitoring equipment for particulate matter was used to collect real-time airborne particulate data every 15 minutes at the site perimeter. The instrument to be used for this sampling was a TSI Dustrak™. Recorded measurements at the upwind and downwind site perimeter monitoring locations were logged by the technician every 15 minutes. No readings exceeded the 0.15 mg/m<sup>3</sup> above the upwind background level threshold level. Dust suppression techniques (i.e., BioSolve®) were implemented, as applicable, to reduce the generation of fugitive dust.

#### **4.4 Odor Monitoring Plan**

Perimeter walks were conducted by the URS sampling technician to evaluate if objectionable odors were leaving the site. The frequency of the perimeter checks depended upon the nature of the work being performed, current weather conditions, and if wind conditions showed evidence of imminent change. No objectionable odors were noted during the course of the remediation. In accordance with the Work Plan and the Odor Control and Monitoring Plan, odor complaints were directed to the NYSDEC toll free phone number. The NYSDEC then would contact the site construction supervisor or project manager, who would assess the reason for concern and apply the appropriate engineering controls.

## 5.0 DEVIATIONS FROM THE WORK PLAN

Remediation activities for this OU2 IRM Work Plan for Wooden Duct Removal Project on W. Court Street between N. Meadow and N. Fulton Streets were completed in accordance with the Work Plan. No major deviations from the project approach for soil remediation were needed; however, during construction, sidewall confirmation samples along the north side of Court Street were not obtained at Locations 008, 009 and 011 through 019 due to the greater diameter of the storm sewer from 24 inches to 32 inches at these locations.

## **TABLES**

**TABLE 1**  
**SOIL CONFIRMATION SAMPLE IDENTIFICATION SUMMARY**  
**ITHACA COURT STREET FORMER MGP SITE**  
**Wooden Duct from N. Meadow Street to N. Fulton Street**

Location ID	Field Sample ID	Sample Date	Lab Job #	Parameters	Comments
CSBMEX001	ICSBMEX001	28-Oct-10	220-13859	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX001N	ICSSWEX001N	28-Oct-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX001S	ICSSWEX001S	04-Nov-10	220-13952	BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX002	ICSBMEX002	05-Nov-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX002N	ICSSWEX002N	05-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX002S	ICSSWEX002S	05-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX003	ICSBMEX003	08-Nov-10	220-13957	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX003N	ICSSWEX003N	08-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX003S	ICSSWEX003S	08-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX004	ICSBMEX004	10-Nov-10	220-13992	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX004N	ICSSWEX004N	10-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX004S	ICSSWEX004S	10-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSSWEX005S	ICSSWEX005S	15-Nov-10	220-14039	BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX005A	ICSBMEX005A	28-Dec-10	220-14462	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX005N	ICSSWEX005N	28-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX006	ICSBMEX006	16-Nov-10	220-14039	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX006N	ICSSWEX006N	16-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX006S	ICSSWEX006S	16-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSSWEX007S	ICSSWEX007S	18-Nov-10	220-14071	BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX007A	ICSBMEX007A	27-Dec-10	220-14463	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX007N	ICSSWEX007N	27-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX008	ICSBMEX008	29-Nov-10	220-14142	TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, plus MS/MSD
	ICSBMEXDP008	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, Field Dup
CSSWEX008S	ICSSWEX008S	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	South Side Wall, plus MS/MSD
	ICSSWEXDP008S	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	South Side Wall, Field Dup
CSBMEX009	ICSBMEX009	07-Dec-10	220-14267	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX009S	ICSSWEX009S	07-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSSWEX010S	ICSSWEX010S	07-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX010A	ICSBMEX010A	29-Dec-10	220-14471	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX010N	ICSSWEX010N	29-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX011	ICSBMEX011	09-Dec-10	220-14287	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX011S	ICSSWEX011S	09-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX012	ICSBMEX012	10-Dec-10	220-14319	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX012S	ICSSWEX012S	10-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX013	ICSBMEX013	13-Dec-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, plus MS/MSD
	ICSBMEX013DUP	13-Dec-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, Field Dup
CSSWEX013S	ICSSWEX013S	13-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX014	ICSBMEX014	14-Dec-10	220-14359	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX014S	ICSSWEX014S	14-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX015	ICSBMEX015	15-Dec-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX015S	ICSSWEX015S	15-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX016	ICSBMEX016	16-Dec-10	220-14384	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX016S	ICSSWEX016S	16-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX017	ICSBMEX017	17-Dec-10	220-14410-1	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX017S	ICSSWEX017S	17-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX018	ICSBMEX018	20-Dec-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX018S	ICSSWEX018S	20-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX019	ICSBMEX019	21-Dec-10	220-14454	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX019S	ICSSWEX019S	21-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall

BTEX - Benzene, Toluene, Ethylbenzene, Xylene  
Hg - Mercury  
MS/MSD - Matrix Spike/Matrix Spike Duplicate  
PAHs - Polycyclic Aromatic Hydrocarbons  
Pb - Lead  
SVOCs - Semivolatile Organic Compounds  
TCL - Target Compound List  
VOCs - Volatile Organic Compounds

TABLE 2  
Conditionally Exempt MGP Remediation Waste - Thermally Treated Shipped to ESMI of New York

ITHACA COURT STREET FORMER MANUFACTURED GAS PLANT SITE 2010-2011 WOODEN DUCT REMOVAL PROJECT ON W. COURT STREET BETWEEN MEADOW AND FULTON STREETS ESMI OF NEW YORK, FORT EDWARD, NEW YORK					
SHIP DATE	NYSEG MANIFEST	TRANSPORTER	TRUCK NUMBER	WEIGH TICKET	TONNAGE
10/27/2010	ITHACA-10-001	JBM Transport	2	2048656	33.02
10/28/2010	ITHACA-10-002	JBM Transport	2	2048675	37.15
10/29/2010	ITHACA-10-003	JBM Transport	2	2048684	40.82
10/29/2010	ITHACA-10-004	Cedar Hill Trucking	97	2048685	34.98
11/1/2010	ITHACA-10-005	JBM Transport	2	2048688	44.59
11/1/2010	ITHACA-10-006	R. Galusha Transport	12	2048686	31.34
11/2/2010	ITHACA-10-007	JBM Transport	2	2048711	40.58
11/2/2010	ITHACA-10-008	R. Galusha Transport	9	2048712	39.10
11/4/2010	ITHACA-10-009	JBM Transport	2	2048727	38.49
11/3/2010	ITHACA-10-010	JBM Transport	2	2047765	39.57
11/3/2010	ITHACA-10-011	R. Galusha Transport	12	2048739	32.73
11/3/2010	ITHACA-10-012	R. Galusha Transport	9	2048738	12.23
11/4/2010	ITHACA-10-013	R. Galusha Transport	12	2048771	32.77
11/4/2010	ITHACA-10-014	R. Galusha Transport	9	2048773	36.32
11/5/2010	ITHACA-10-015	JBM Transport	2	2048792	40.07
11/5/2010	ITHACA-10-016	R. Galusha Transport	3	2048795	28.85
11/5/2010	ITHACA-10-017	R. Galusha Transport	12	2048797	33.39
11/5/2010	ITHACA-10-018	R. Galusha Transport	9	2048798	28.08
11/8/2010	ITHACA-10-019	R. Galusha Transport	9	2048819	35.53
11/8/2010	ITHACA-10-020	R. Galusha Transport	12	2048825	32.68
11/8/2010	ITHACA-10-021	JBM Transport	2	2048817	39.36
11/9/2010	ITHACA-10-022	JBM Transport	2	2048853	37.20
11/9/2010	ITHACA-10-023	R. Galusha Transport	5	2048861	32.93
11/9/2010	ITHACA-10-024	R. Galusha Transport	12	2048867	33.56
11/9/2010	ITHACA-10-025	R. Galusha Transport	9	2048868	29.07
11/10/2010	ITHACA-10-026	JBM Transport	2	2048892	39.58
11/10/2010	ITHACA-10-027	R. Galusha Transport	9	2048899	38.20
11/10/2010	ITHACA-10-028	R. Galusha Transport	6	2048905	33.41
11/10/2010	ITHACA-10-029	R. Galusha Transport	15	2048906	6.19
11/11/2010	ITHACA-10-030	JBM Transport	2	2048927	40.10
11/11/2010	ITHACA-10-031	R. Galusha Transport	9	2048928	35.82
11/11/2010	ITHACA-10-032	R. Galusha Transport	6	2048929	26.08
11/12/2010	ITHACA-10-033	JBM Transport	2	2048947	38.99
11/12/2010	ITHACA-10-034	R. Galusha Transport	99	2048950	40.94
11/12/2010	ITHACA-10-035	R. Galusha Transport	6	2048949	6.28
11/15/2010	ITHACA-10-036	JBM Transport	2	2048964	41.36
11/15/2010	ITHACA-10-037	R. Galusha Transport	9	2048965	37.12
11/15/2010	ITHACA-10-038	R. Galusha Transport	6	2048969	33.19
11/16/2010	ITHACA-10-039	JBM Transport	2	2048999	41.52
11/16/2010	ITHACA-10-040	R. Galusha Transport	6	2049000	28.31
11/17/2010	ITHACA-10-041	JBM Transport	2	2049017	38.64
11/17/2010	ITHACA-10-042	R. Galusha Transport	6	2049019	34.62
11/17/2010	ITHACA-10-043	R. Galusha Transport	5	2049021	35.05
11/18/2010	ITHACA-10-044	JBM Transport	2	2049047	41.08

TABLE 2

Conditionally Exempt MGP Remediation Waste - Thermally Treated Shipped to ESMI of New York

ITHACA COURT STREET FORMER MANUFACTURED GAS PLANT SITE 2010-2011 WOODEN DUCT REMOVAL PROJECT ON W. COURT STREET BETWEEN MEADOW AND FULTON STREETS ESMI OF NEW YORK, FORT EDWARD, NEW YORK					
11/18/2010	ITHACA-10-045	R. Galusha Transport	9	2049042	34.43
11/18/2010	ITHACA-10-046	R. Galusha Transport	5	2049059	14.55
11/19/2010	ITHACA-10-047	R. Galusha Transport	9	2049058	34.35
11/19/2010	ITHACA-10-048	JBM Transport	2	2049057	42.83
11/19/2010	ITHACA-10-049	R. Galusha Transport	15	2046050	26.23
11/29/2010	ITHACA-10-050	JBM Transport	2	2049120	40.93
11/29/2010	ITHACA-10-051	R. Galusha Transport	6	2049123	35.24
11/29/2010	ITHACA-10-052	R. Galusha Transport	9	2049127	19.10
11/30/2010	ITHACA-10-053	JBM Transport	2	2049171	37.44
11/30/2010	ITHACA-10-054	R. Galusha Transport	9	2049166	37.00
11/30/2010	ITHACA-10-055	R. Galusha Transport	6	2049172	16.91
12/2/2010	ITHACA-10-056	JBM Transport	2	2049207	40.11
12/2/2010	ITHACA-10-057	R. Galusha Transport	9	2049210	36.82
12/2/2010	ITHACA-10-058	R. Galusha Transport	1	2049211	10.81
12/3/2010	ITHACA-10-059	JBM Transport	2	2049232	39.70
12/3/2010	ITHACA-10-060	R. Galusha Transport	99	2049234	34.94
12/3/2010	ITHACA-10-061	R. Galusha Transport	17	2049237	33.59
12/3/2010	ITHACA-10-062	R. Galusha Transport	3	2049238	9.52
12/6/2010	ITHACA-10-063	JBM Transport	2	2049254	40.40
12/6/2010	ITHACA-10-064	R. Galusha Transport	99	2049257	34.25
12/6/2010	ITHACA-10-065	R. Galusha Transport	17	2049261	22.36
12/7/2010	ITHACA-10-066	JBM Transport	2	2049290	41.62
12/7/2010	ITHACA-10-067	R. Galusha Transport	99	2049292	35.51
12/7/2010	ITHACA-10-068	R. Galusha Transport	15	2049295	26.81
12/8/2010	ITHACA-10-069	JBM Transport	2	2049315	40.05
12/8/2010	ITHACA-10-070	R. Galusha Transport	15	2049325	29.82
12/8/2010	ITHACA-10-071	R. Galusha Transport	6	2049328	24.63
12/9/2010	ITHACA-10-072	JBM Transport	2	2049341	42.47
12/9/2010	ITHACA-10-073	R. Galusha Transport	3	2049342	29.70
12/10/2010	ITHACA-10-074	JBM Transport	2	2049343	39.28
12/10/2010	ITHACA-10-075	R. Galusha Transport	99	2049344	35.06
12/10/2010	ITHACA-10-076	R. Galusha Transport	1	2049345	32.03
12/13/2010	ITHACA-10-077	JBM Transport	2	2049352	42.15
12/13/2010	ITHACA-10-078	R. Galusha Transport	17	2049353	31.64
12/13/2010	ITHACA-10-079	R. Galusha Transport	5	2049357	31.00
12/13/2010	ITHACA-10-080	R. Galusha Transport	6	2049363	37.02
12/14/2010	ITHACA-10-081	JBM Transport	2	2049373	38.05
12/14/2010	ITHACA-10-082	R. Galusha Transport	2	2049379	27.52
12/14/2010	ITHACA-10-083	R. Galusha Transport	6	2049383	27.77
12/15/2010	ITHACA-10-084	JBM Transport	2	2049398	40.87
12/15/2010	ITHACA-10-085	R. Galusha Transport	15	2049402	35.53
12/15/2010	ITHACA-10-086	R. Galusha Transport	17	2049403	31.84
12/16/2010	ITHACA-10-087	JBM Transport	2	2049414	40.13
12/16/2010	ITHACA-10-088	R. Galusha Transport	6	2049422	32.53
12/16/2010	ITHACA-10-089	R. Galusha Transport	5	2049423	12.70
12/17/2010	ITHACA-10-090	JBM Transport	2	2049439	41.75

TABLE 2

Conditionally Exempt MGP Remediation Waste - Thermally Treated Shipped to ESMI of New York

ITHACA COURT STREET FORMER MANUFACTURED GAS PLANT SITE 2010-2011 WOODEN DUCT REMOVAL PROJECT ON W. COURT STREET BETWEEN MEADOW AND FULTON STREETS ESMI OF NEW YORK, FORT EDWARD, NEW YORK					
12/17/2010	ITHACA-10-091	R. Galusha Transport	6	2049443	35.65
12/17/2010	ITHACA-10-092	R. Galusha Transport	3	2049444	17.68
12/20/2010	ITHACA-10-093	JBM Transport	2	2049466	41.63
12/20/2010	ITHACA-10-094	R. Galusha Transport	9	2049470	34.80
12/20/2010	ITHACA-10-095	R. Galusha Transport	3	2049471	29.99
12/21/2010	ITHACA-10-096	JBM Transport	2	2049489	40.53
12/21/2010	ITHACA-10-097	R. Galusha Transport	3	2049493	36.80
12/21/2010	ITHACA-10-098	R. Galusha Transport	5	2049495	35.59
12/21/2010	ITHACA-10-099	R. Galusha Transport	6	2049494	34.11
12/27/2010	ITHACA-10-100	JBM Transport	2	2049502	45.67
12/28/2010	ITHACA-10-101	JBM Transport	2	2049507	46.30
12/28/2010	ITHACA-10-102	R. Galusha Transport	6	2049508	33.82
12/29/2010	ITHACA-10-103	JBM Transport	2	2049514	41.93
12/29/2010	ITHACA-10-104	R. Galusha Transport	2	2049516	17.13
12/30/2010	ITHACA-10-105	JBM Transport	2	2049526	40.40
12/30/2010	ITHACA-10-106	R. Galusha Transport	2	2049529	20.92
1/18/2011	ITHACA-10-107	JBM Transport	2	2049594	40.11
1/18/2011	ITHACA-10-108	R. Galusha Transport	5	2049595	36.23
1/18/2011	ITHACA-10-109	R. Galusha Transport	6	2049596	36.02
1/18/2011	ITHACA-10-110	R. Galusha Transport	1	2049597	35.35
1/18/2011	ITHACA-10-111	Cedar Hill Trucking	62	2049599	37.17
1/19/2011	ITHACA-10-112	JBM Transport	2	2049600	41.76
1/19/2011	ITHACA-10-113	R. Galusha Transport	15	2049601	38.76
1/19/2011	ITHACA-10-114	R. Galusha Transport	99	2049602	37.06
1/19/2011	ITHACA-10-115	R. Galusha Transport	6	2049603	34.84
1/20/2011	ITHACA-10-116	JBM Transport	2	2049606	42.48
1/20/2011	ITHACA-10-117	R. Galusha Transport	2	2049607	31.09
1/20/2011	ITHACA-10-118	R. Galusha Transport	17	2049608	16.64
TOTAL					3970.34

TABLE 3  
ASPHALT SHIPPED TO SENECA MEADOWS LANDFILL

ITHACA COURT STREET  
FORMER MANUFACTURED GAS PLANT SITE  
2010-2011 WOODEN DUCT REMOVAL PROJECT ON W. COURT STREET  
BETWEEN MEADOW AND FULTON STREETS

SHIP DATE	NYSEG LOAD NUMBER	TRANSPORTER	TRUCK NUMBER	WEIGH TICKET	TONNAGE
11/3/2010	1	Page Transportation	1969	1962407	19.58
11/4/2010	2	Page Transportation	8752	1962989	19.38
11/5/2010	3	Page Transportation	8752	1963612	27.42
11/8/2010	4	Page Transportation	8752	1964395	27.12
11/9/2010	5	Page Transportation	8752	1965021	25.00
11/10/2010	6	Page Transportation	8752	1965629	26.58
11/11/2010	7	Page Transportation	1969	1966237	23.20
11/12/2010	8	Page Transportation	1969	1966800	22.75
11/15/2010	9	Page Transportation	1969	1967616	28.90
11/16/2010	10	Page Transportation	1969	1968289	27.97
11/17/2010	11	Page Transportation	8752	1968935	24.96
11/18/2010	12	Page Transportation	8752	1969595	23.62
11/19/2010	13	Page Transportation	9752	1970159	25.24
11/29/2010	14	Page Transportation	1969	1973776	26.75
11/30/2010	15	Page Transportation	1969	1974310	24.52
12/2/2010	16	Page Transportation	1969	1975360	25.19
12/3/2010	17	Page Transportation	1969	1975845	31.38
12/6/2010	18	Page Transportation	1969	1976695	32.53
12/7/2010	19	Page Transportation	8752	1977113	32.70
12/8/2010	20	Page Transportation	1969	1977561	27.04
12/9/2010	21	Page Transportation	1969	1978085	25.07
12/10/2010	22	Page Transportation	1969	1978567	33.26
12/13/2010	23	Page Transportation	1969	1979194	29.02
12/14/2010	24	Page Transportation	1969	1979661	28.77
12/15/2010	25	Page Transportation	1969	1980097	32.77
12/16/2010	26	Page Transportation	4312	1980558	34.73
12/17/2010	27	Page Transportation	4312	1981014	32.19
12/20/2010	28	Page Transportation	1969	1981697	31.29
12/21/2010	29	Page Transportation	1969	1982185	31.19
TOTAL					800.12

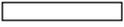
**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX001	CSBMEX002	CSBMEX003	CSBMEX004	CSBMEX005A
Sample ID				ICSBMEX001	ICSBMEX002	ICSBMEX003	ICSBMEX004	ICSBMEX005A
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	8.8-8.8
Date Sampled				10/28/10	11/05/10	11/08/10	11/10/10	12/28/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-	1.7	0.017	0.0073	1.2	2.9
Ethylbenzene	MG/KG	5.5	-	4.9	0.0034	0.023	8.6	16
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-	1.1	0.00056 J	0.0027	4.6	2.9
Xylene (total)	MG/KG	1.2	-	23	0.0051	0.029	33	59
Total BTEX	MG/KG	10	-	30.7	0.02606	0.062	47.4	80.8
Total Volatile Organic Compounds	MG/KG	10	-	30.7	0.02606	0.062	47.4	80.8
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	4.6 J	0.33 J	0.10 J	20	10
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	6.5 J	0.69	0.82 J	6.9	3.6
Acenaphthylene	MG/KG	41	-	17	0.17 J	0.28 J	12	7.3
Anthracene	MG/KG	50	-	23	0.52	0.20 J	15	6.2
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	17	0.42	0.14	15	5.5
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	14	0.36	0.10	12	4.8
Benzo(b)fluoranthene	MG/KG	1.1	-	14	0.40	0.11	13	4.8

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX001	CSBMEX002	CSBMEX003	CSBMEX004	CSBMEX005A
Sample ID				ICSBMEX001	ICSBMEX002	ICSBMEX003	ICSBMEX004	ICSBMEX005A
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	8.8-8.8
Date Sampled				10/28/10	11/05/10	11/08/10	11/10/10	12/28/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	5.9 J	0.21 J		7.4	3.0 J
Benzo(k)fluoranthene	MG/KG	1.1	-	7.0	0.20	0.062	6.7	2.3
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-	14	0.38 J	0.12 J	11	4.6
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-	1.9	0.052		1.9	0.91 J
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	41	0.70	0.36 J	31	11
Fluorene	MG/KG	50	-	27	0.51	0.61	15	8.7
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	6.8	0.22		7.3	3.3
Naphthalene	MG/KG	13	-	100	0.91	1.0	89	32
Phenanthrene	MG/KG	50	-	73	1.9	0.84	55	23
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	37	0.84	0.30 J	28	11
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	409.7	8.812	5.042	346.2	142.01
Total Semivolatile Organic Compounds	MG/KG	500	-	409.7	8.812	5.042	346.2	142.01
<b>Metals</b>								
Lead	MG/KG	SB	200-500	13.1	11.1	14.3	12.7	13.0
Mercury	MG/KG	0.1	0.001-0.2	0.053		0.045		
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	79.3	78.1	72.4	74.2	78.6

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01'

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX006	CSBMEX007A	CSBMEX008	CSBMEX008	CSBMEX009
Sample ID				ICSBMEX006	ICSBMEX007A	ICSBMEX008	ICSBMEXDP008	ICSBMEX009
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	9.6-9.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				11/16/10	12/27/10	11/29/10	11/29/10	12/07/10
Parameter	Units	Criteria (1)	Criteria (2)				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA			NA
Benzene	MG/KG	0.06 or MDL	-	0.0086	0.044	0.25 J	0.48 J	
Ethylbenzene	MG/KG	5.5	-	0.0097	0.0015	0.45 J	1.3	0.0042 J
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	0.091 J	0.24 J	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA			NA
Toluene	MG/KG	1.5	-	0.0090		0.48 J	1.3	
Xylene (total)	MG/KG	1.2	-	0.040	0.0041	1.0	2.5	0.0089
Total BTEX	MG/KG	10	-	0.0673	0.0496	2.18	5.58	0.0131
Total Volatile Organic Compounds	MG/KG	10	-	0.0673	0.0496	2.271	5.82	0.0131
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	2.4	1.4	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	0.16 J	0.17 J	NA
2-Methylnaphthalene	MG/KG	36.4	-	15	0.17 J	17	11	0.021 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	0.16 J	0.10 J	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	0.20 J	0.16 J	NA
Acenaphthene	MG/KG	50	-	6.4	0.39 J	12	7.7	1.7
Acenaphthylene	MG/KG	41	-	9.0		2.2	1.5	0.018 J
Anthracene	MG/KG	50	-	19		7.0	4.9	
Benzaldehyde	MG/KG	-	-	NA	NA	2.7 J	1.4 J	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	10		5.6	2.9	
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	9.3		5.4	2.8	
Benzo(b)fluoranthene	MG/KG	1.1	-	8.6		5.6	3.0	

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX006	CSBMEX007A	CSBMEX008	CSBMEX008	CSBMEX009
Sample ID				ICSBMEX006	ICSBMEX007A	ICSBMEX008	ICSBMEXDP008	ICSBMEX009
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	9.6-9.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				11/16/10	12/27/10	11/29/10	11/29/10	12/07/10
Parameter	Units	Criteria (1)	Criteria (2)				Field Duplicate (1-1)	
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	9.1		3.9	3.0	
Benzo(k)fluoranthene	MG/KG	1.1	-	3.8		2.1	1.2 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	0.15 J		NA
Carbazole	MG/KG	-	-	NA	NA	1.4	1.6	NA
Chrysene	MG/KG	0.4	-	13		5.3	2.8	
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-	4.6		2.7	2.5	
Dibenzofuran	MG/KG	6.2	-	NA	NA	2.7	2.9	NA
Fluoranthene	MG/KG	50	-	25		12	8.0	
Fluorene	MG/KG	50	-	12	0.082 J	8.0	5.0	0.45
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	10		4.2	3.1	
Naphthalene	MG/KG	13	-	56	0.071 J	26	22	0.14 J
Phenanthrene	MG/KG	50	-	38		20	15	0.23 J
Phenol	MG/KG	0.03 or MDL	-	NA	NA	0.12 J		NA
Pyrene	MG/KG	50	-	29		13	7.9	
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	277.8	0.713	152	104.3	2.559
Total Semivolatile Organic Compounds	MG/KG	500	-	277.8	0.713	161.99	112.03	2.559
<b>Metals</b>								
Lead	MG/KG	SB	200-500	10.6	14.1	20.0 J	53.6 J	9.1
Mercury	MG/KG	0.1	0.001-0.2	0.020 J		0.092	0.11	0.013 J
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	77.7	76.1	78.8	75.1	80.4

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX010A	CSBMEX011	CSBMEX012	CSBMEX013	CSBMEX013
Sample ID				ICSBMEX010A	ICSBMEX011	ICSBMEX012	ICSBMEX013	ICSBMEX013DUP
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				8.0-8.0	6.6-6.6	5.5-5.5	6.6-6.6	6.6-6.6
Date Sampled				12/29/10	12/09/10	12/10/10	12/13/10	12/13/10
Parameter	Units	Criteria (1)	Criteria (2)					Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA		
Benzene	MG/KG	0.06 or MDL	-	0.46	0.045	0.15	0.0043 J	0.0046 J
Ethylbenzene	MG/KG	5.5	-	0.14	0.021	0.018		
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA		0.00028 J
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA		
Toluene	MG/KG	1.5	-	0.0052				
Xylene (total)	MG/KG	1.2	-	0.12	0.014	0.026		0.00088 J
Total BTEX	MG/KG	10	-	0.7252	0.08	0.194	0.0043	0.00548
Total Volatile Organic Compounds	MG/KG	10	-	0.7252	0.08	0.194	0.0043	0.00576
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA		
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA		
2-Methylnaphthalene	MG/KG	36.4	-	0.38 J	1.1	0.93	0.014 J	0.012 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA		
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA		
Acenaphthene	MG/KG	50	-	0.51	1.1	0.99	0.039 J	0.026 J
Acenaphthylene	MG/KG	41	-		0.11 J			
Anthracene	MG/KG	50	-	0.15 J	0.60	0.12 J		
Benzaldehyde	MG/KG	-	-	NA	NA	NA		
Benzo(a)anthracene	MG/KG	0.224 or MDL	-		0.25 J			
Benzo(a)pyrene	MG/KG	0.061 or MDL	-		0.18 J			
Benzo(b)fluoranthene	MG/KG	1.1	-		0.19 J			

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
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MDL - Method detection limit. SB - Site background. - = No criteria.

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**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX010A	CSBMEX011	CSBMEX012	CSBMEX013	CSBMEX013
Sample ID				ICSBMEX010A	ICSBMEX011	ICSBMEX012	ICSBMEX013	ICSBMEX013DUP
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				8.0-8.0	6.6-6.6	5.5-5.5	6.6-6.6	6.6-6.6
Date Sampled				12/29/10	12/09/10	12/10/10	12/13/10	12/13/10
Parameter	Units	Criteria (1)	Criteria (2)					Field Duplicate (1-1)
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-		0.050 J			
Benzo(k)fluoranthene	MG/KG	1.1	-		0.079 J			
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA		
Carbazole	MG/KG	-	-	NA	NA	NA		
Chrysene	MG/KG	0.4	-		0.22 J			
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-					
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA		
Fluoranthene	MG/KG	50	-	0.13 J	0.68	0.051 J		
Fluorene	MG/KG	50	-	0.31 J	2.0	0.50		
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-		0.062 J			
Naphthalene	MG/KG	13	-	1.8	1.2	0.44	0.056 J	0.062 J
Phenanthrene	MG/KG	50	-	0.83	2.2	1.5		
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA		
Pyrene	MG/KG	50	-	0.11 J	0.53	0.026 J		
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	4.22	10.551	4.557	0.109	0.1
Total Semivolatile Organic Compounds	MG/KG	500	-	4.22	10.551	4.557	0.109	0.1
<b>Metals</b>								
Lead	MG/KG	SB	200-500	12.3	10.7	12.7	9.6	8.5
Mercury	MG/KG	0.1	0.001-0.2		0.022 J			
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	76.6	80.3	78.0	81.1	81.6

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX014	CSBMEX015	CSBMEX016	CSBMEX017	CSBMEX018
Sample ID				ICSBMEX014	ICSBMEX015	ICSBMEX016	ICSBMEX017	ICSBMEX018
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.0-6.0	6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/14/10	12/15/10	12/16/10	12/17/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-	0.027	0.089	0.18 J	0.085	0.25 J
Ethylbenzene	MG/KG	5.5	-	0.0028 J	0.051	2.3	0.023	0.50
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-	0.0013 J	0.0026 J	0.32		0.42
Xylene (total)	MG/KG	1.2	-	0.0041 J	0.096	6.1	0.013	1.7
Total BTEX	MG/KG	10	-	0.0352	0.2386	8.9	0.121	2.87
Total Volatile Organic Compounds	MG/KG	10	-	0.0352	0.2386	8.9	0.121	2.87
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	0.051 J	7.3	5.7		3.8
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	0.89	6.7	5.6		3.1
Acenaphthylene	MG/KG	41	-		0.72 J	0.61 J		0.45 J
Anthracene	MG/KG	50	-	0.37	8.0	3.5		2.0
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	0.025 J	3.8	3.3		1.6
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	0.018 J	2.9	3.0		1.4
Benzo(b)fluoranthene	MG/KG	1.1	-	0.017 J	3.1	3.1		1.6 J

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX014	CSBMEX015	CSBMEX016	CSBMEX017	CSBMEX018
Sample ID				ICSBMEX014	ICSBMEX015	ICSBMEX016	ICSBMEX017	ICSBMEX018
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.0-6.0	6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/14/10	12/15/10	12/16/10	12/17/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-		0.93 J	1.0 J		0.47 J
Benzo(k)fluoranthene	MG/KG	1.1	-		1.4 J	1.2 J		0.68
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-		3.4	2.4		1.5
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-		0.27 J	0.26 J		
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	0.26 J	10	9.0		3.6
Fluorene	MG/KG	50	-	0.66	7.6	4.4		2.7
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-		1.2 J	1.3 J		0.54
Naphthalene	MG/KG	13	-	0.24 J	24	19		11
Phenanthrene	MG/KG	50	-	2.3	16	14	0.12 J	7.1
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	0.12 J	8.2	6.7		3.1
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	4.951	105.52	84.07	0.12	44.64
Total Semivolatile Organic Compounds	MG/KG	500	-	4.951	105.52	84.07	0.12	44.64
<b>Metals</b>								
Lead	MG/KG	SB	200-500	10.5	9.4	10.5	5.1	9.2
Mercury	MG/KG	0.1	0.001-0.2	0.024 J	0.026 J	0.025 J		0.015 J
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	79.6	78.0	80.1	76.9	78.2

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX019	CSSWEX001N	CSSWEX001S	CSSWEX002N	CSSWEX002S
Sample ID				ICSBMEX019	ICSSWEX001N	ICSSWEX001S	ICSSWEX002N	ICSSWEX002S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/21/10	10/28/10	11/04/10	11/05/10	11/05/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-	0.028	0.21		1.9	
Ethylbenzene	MG/KG	5.5	-	0.069	0.43	0.00033 J	5.7	
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-	0.00067 J	0.055 J		1.6	
Xylene (total)	MG/KG	1.2	-	0.0038 J	1.1		28	
Total BTEX	MG/KG	10	-	0.10147	1.795	0.00033	37.2	ND
Total Volatile Organic Compounds	MG/KG	10	-	0.10147	1.795	0.00033	37.2	ND
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	5.1			6.2	
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	6.9	7.4		2.3	
Acenaphthylene	MG/KG	41	-	0.30 J	9.7		2.1	
Anthracene	MG/KG	50	-	4.9	21		5.4	
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	3.2	16	0.068	3.1	0.18
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	3.4	12	0.051	2.0	0.19
Benzo(b)fluoranthene	MG/KG	1.1	-	3.9 J	12	0.065	1.8	0.20

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSBMEX019	CSSWEX001N	CSSWEX001S	CSSWEX002N	CSSWEX002S
Sample ID				ICSBMEX019	ICSSWEX001N	ICSSWEX001S	ICSSWEX002N	ICSSWEX002S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/21/10	10/28/10	11/04/10	11/05/10	11/05/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	1.9	4.9		0.78 J	0.15 J
Benzo(k)fluoranthene	MG/KG	1.1	-	1.5	5.9	0.031 J	1.0	0.098
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-	3.8	15	0.073 J	3.2	0.22 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-	0.50	1.2		0.35	0.050
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	7.9	35	0.12 J	5.2	0.13 J
Fluorene	MG/KG	50	-	4.4	26		6.1	
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	2.1	5.9		0.88	0.16
Naphthalene	MG/KG	13	-	21	12		24	
Phenanthrene	MG/KG	50	-	14	64		15	0.080 J
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	7.2	31	0.17 J	5.5	0.23 J
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	92	279	0.578	84.91	1.688
Total Semivolatile Organic Compounds	MG/KG	500	-	92	279	0.578	84.91	1.688
<b>Metals</b>								
Lead	MG/KG	SB	200-500	16.7	13.8	15.9	10.9	66.2
Mercury	MG/KG	0.1	0.001-0.2		0.030 J	0.057		0.048
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	70.0	81.2	76.2	82.0	75.1

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX003N	CSSWEX003S	CSSWEX004N	CSSWEX004S	CSSWEX005N
Sample ID				ICSSWEX003N	ICSSWEX003S	ICSSWEX004N	ICSSWEX004S	ICSSWEX005N
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				11/08/10	11/08/10	11/10/10	11/10/10	12/28/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-	0.030	0.0044	0.34 J	0.0040	1.2
Ethylbenzene	MG/KG	5.5	-	0.045	0.0027	7.6		3.0
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-	0.0068	0.00075 J	1.1	0.00047 J	0.75
Xylene (total)	MG/KG	1.2	-	0.046	0.0059	22	0.0024 J	15
Total BTEX	MG/KG	10	-	0.1278	0.01375	31.04	0.00687	19.95
Total Volatile Organic Compounds	MG/KG	10	-	0.1278	0.01375	31.04	0.00687	19.95
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	0.14 J		7.1		0.38 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	2.3 J	0.29 J	5.2	0.15 J	0.44
Acenaphthylene	MG/KG	41	-	2.8		13		1.2
Anthracene	MG/KG	50	-	5.6		14		1.5
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	4.9		13		0.89
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	4.0		10		0.69
Benzo(b)fluoranthene	MG/KG	1.1	-	4.5		11		0.71

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX003N	CSSWEX003S	CSSWEX004N	CSSWEX004S	CSSWEX005N
Sample ID				ICSSWEX003N	ICSSWEX003S	ICSSWEX004N	ICSSWEX004S	ICSSWEX005N
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				11/08/10	11/08/10	11/10/10	11/10/10	12/28/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	1.7		6.1		0.32 J
Benzo(k)fluoranthene	MG/KG	1.1	-	2.1		5.6		0.31
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-	4.3		11		0.81
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-	0.41		1.5		0.10 J
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	9.6		26		1.8
Fluorene	MG/KG	50	-	7.1		17		1.7
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	1.9		6.8		0.36
Naphthalene	MG/KG	13	-	0.87		44		5.5
Phenanthrene	MG/KG	50	-	14		44		4.1
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	8.1		22		1.7
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	74.32	0.29	257.3	0.15	22.51
Total Semivolatile Organic Compounds	MG/KG	500	-	74.32	0.29	257.3	0.15	22.51
<b>Metals</b>								
Lead	MG/KG	SB	200-500	26.6	11.2	11.5	12.2	10.5
Mercury	MG/KG	0.1	0.001-0.2	0.047	0.032 J			
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	81.0	79.5	77.7	81.0	81.0

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX005S	CSSWEX006N	CSSWEX006S	CSSWEX007N	CSSWEX007S
Sample ID				ICSSWEX005S	ICSSWEX006N	ICSSWEX006S	ICSSWEX007N	ICSSWEX007S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6
Date Sampled				11/15/10	11/16/10	11/16/10	12/27/10	11/18/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-	0.0025 J	0.081	0.0053 J	1.3	
Ethylbenzene	MG/KG	5.5	-		0.48	0.40	4.6	
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-	0.0015 J	0.0040 J	0.0053 J	1.2	
Xylene (total)	MG/KG	1.2	-	0.0026 J	0.37	0.42	13	
Total BTEX	MG/KG	10	-	0.0066	0.935	0.8306	20.1	ND
Total Volatile Organic Compounds	MG/KG	10	-	0.0066	0.935	0.8306	20.1	ND
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	0.36	1.1	34	1.1	0.054 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	0.63	3.5	25	1.4	5.1
Acenaphthylene	MG/KG	41	-	0.20 J	0.10 J	2.0 J	1.2	1.4 J
Anthracene	MG/KG	50	-	0.21 J	1.5	14	1.4	4.5
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	0.17 J	0.14 J	7.1	1.4	7.9
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	0.14 J	0.094 J	6.2	1.1	7.0
Benzo(b)fluoranthene	MG/KG	1.1	-	0.15 J	0.094 J	5.6	1.1	6.1

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
-  Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

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Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX005S	CSSWEX006N	CSSWEX006S	CSSWEX007N	CSSWEX007S
Sample ID				ICSSWEX005S	ICSSWEX006N	ICSSWEX006S	ICSSWEX007N	ICSSWEX007S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6
Date Sampled				11/15/10	11/16/10	11/16/10	12/27/10	11/18/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	0.54	1.0	6.1	0.66 J	4.7
Benzo(k)fluoranthene	MG/KG	1.1	-	0.058 J		2.1 J	0.63	2.4
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-	0.13 J	0.11 J	6.8	1.1	7.4
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-	0.37		3.7	0.17 J	2.4
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	0.45	1.8	17	2.7	16
Fluorene	MG/KG	50	-	0.33 J	2.8	15	2.2	4.6
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	0.58	1.1	6.5	0.66	4.9
Naphthalene	MG/KG	13	-	1.7	8.5	48	7.3	0.26 J
Phenanthrene	MG/KG	50	-	0.78	6.4	36	5.4	18
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	0.51	1.1	18	2.7	23
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	7.308	29.338	253.1	32.22	115.714
Total Semivolatile Organic Compounds	MG/KG	500	-	7.308	29.338	253.1	32.22	115.714
<b>Metals</b>								
Lead	MG/KG	SB	200-500	12.6	15.2	11.7	13.4	13.1
Mercury	MG/KG	0.1	0.001-0.2	0.040 J	0.036 J	0.026 J	0.028 J	0.031 J
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	76.2	74.6	79.0	78.4	80.4

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01'

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX008S	CSSWEX008S	CSSWEX009S	CSSWEX010N	CSSWEX010S
Sample ID				ICSSWEX008S	ICSSWEXDP008S	ICSSWEX009S	ICSSWEX010N	ICSSWEX010S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	8.0-8.0	6.6-6.6
Date Sampled				11/29/10	11/29/10	12/07/10	12/29/10	12/07/10
Parameter	Units	Criteria (1)	Criteria (2)		Field Duplicate (1-1)			
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	0.16 J	0.15 J	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-			0.014 J	6.9	
Ethylbenzene	MG/KG	5.5	-	0.0016 J			14	
Isopropylbenzene (Cumene)	MG/KG	2.3	-	0.00059 J		NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	0.025 J		NA	NA	NA
Toluene	MG/KG	1.5	-				24	
Xylene (total)	MG/KG	1.2	-	0.0041 J	0.0076 J	0.0018 J	84	
Total BTEX	MG/KG	10	-	0.0057	0.0076	0.0158	128.9	ND
Total Volatile Organic Compounds	MG/KG	10	-	0.19129	0.1576	0.0158	128.9	ND
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-		0.027 J	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-			NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	0.055 J	0.10 J	0.021 J	44	0.038 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-			NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-			NA	NA	NA
Acenaphthene	MG/KG	50	-	0.079 J	0.15 J	0.058 J	11	1.2
Acenaphthylene	MG/KG	41	-		0.026 J		18	0.22 J
Anthracene	MG/KG	50	-	0.017 J	0.048 J		20	1.2
Benzaldehyde	MG/KG	-	-	0.077 J	0.071 J	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	0.028 J	0.092 J	0.024 J	17	1.3
Benzo(a)pyrene	MG/KG	0.061 or MDL	-		0.094 J		12	1.2
Benzo(b)fluoranthene	MG/KG	1.1	-		0.12 J		12	1.2

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX010'

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX008S	CSSWEX008S	CSSWEX009S	CSSWEX010N	CSSWEX010S
Sample ID				ICSSWEX008S	ICSSWEXDP008S	ICSSWEX009S	ICSSWEX010N	ICSSWEX010S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	8.0-8.0	6.6-6.6
Date Sampled				11/29/10	11/29/10	12/07/10	12/29/10	12/07/10
Parameter	Units	Criteria (1)	Criteria (2)		Field Duplicate (1-1)			
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-		0.57		8.0 J	0.40 J
Benzo(k)fluoranthene	MG/KG	1.1	-		0.048 J		5.7	0.41
bis(2-Ethylhexyl)phthalate	MG/KG	50	-			NA	NA	NA
Carbazole	MG/KG	-	-		0.021 J	NA	NA	NA
Chrysene	MG/KG	0.4	-	0.031 J	0.086 J	0.029 J	16	1.2
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-		0.59		2.3 J	0.11 J
Dibenzofuran	MG/KG	6.2	-		0.052 J	NA	NA	NA
Fluoranthene	MG/KG	50	-	0.049 J	0.17 J	0.033 J	31	2.7
Fluorene	MG/KG	50	-	0.022 J	0.078 J		28	0.70
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-		0.58		8.0	0.41
Naphthalene	MG/KG	13	-	0.15 J	0.36	0.049 J	130	0.16 J
Phenanthrene	MG/KG	50	-	0.059 J	0.20 J		66	1.3
Phenol	MG/KG	0.03 or MDL	-			NA	NA	NA
Pyrene	MG/KG	50	-	0.052 J	0.14 J	0.027 J	31	3.0
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	0.542	3.452	0.241	460	16.748
Total Semivolatile Organic Compounds	MG/KG	500	-	0.619	3.623	0.241	460	16.748
<b>Metals</b>								
Lead	MG/KG	SB	200-500	16.6	15.6	29.0	11.4	16.4
Mercury	MG/KG	0.1	0.001-0.2	0.073	0.065	0.13	0.047	0.059 J
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	77.5	75.0	75.2	79.3	76.5

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
-  Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX011S	CSSWEX012S	CSSWEX013S	CSSWEX014S	CSSWEX015S
Sample ID				ICSSWEX011S	ICSSWEX012S	ICSSWEX013S	ICSSWEX014S	ICSSWEX015S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	5.5-5.5	5.5-5.5	6.0-6.0	6.0-6.0
Date Sampled				12/09/10	12/10/10	12/13/10	12/14/10	12/15/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Acetone	MG/KG	0.2	-	NA	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-		0.00080 J			
Ethylbenzene	MG/KG	5.5	-					
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA	NA
Toluene	MG/KG	1.5	-					
Xylene (total)	MG/KG	1.2	-	0.0029 J	0.0015 J			
Total BTEX	MG/KG	10	-	0.0029	0.0023	ND	ND	ND
Total Volatile Organic Compounds	MG/KG	10	-	0.0029	0.0023	ND	ND	ND
<b>Semivolatile Organic Compounds</b>								
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	0.12 J	0.037 J	0.029 J	0.043 J	0.21 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	0.52	0.029 J	0.034 J	0.20 J	0.25 J
Acenaphthylene	MG/KG	41	-	0.066 J			0.049 J	0.046 J
Anthracene	MG/KG	50	-	0.37	0.015 J	0.023 J	0.22 J	0.26 J
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-	0.47	0.016 J	0.016 J	0.15 J	0.20 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	-	0.35		0.011 J	0.14 J	0.18 J
Benzo(b)fluoranthene	MG/KG	1.1	-	0.36		0.010 J	0.22 J	0.18 J

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
-  Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX011S	CSSWEX012S	CSSWEX013S	CSSWEX014S	CSSWEX015S
Sample ID				ICSSWEX011S	ICSSWEX012S	ICSSWEX013S	ICSSWEX014S	ICSSWEX015S
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	5.5-5.5	5.5-5.5	6.0-6.0	6.0-6.0
Date Sampled				12/09/10	12/10/10	12/13/10	12/14/10	12/15/10
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	MG/KG	50	-	0.098 J			0.087 J	0.066 J
Benzo(k)fluoranthene	MG/KG	1.1	-	0.17 J			0.10 J	0.081 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-	0.40			0.16 J	0.19 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-					
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-	1.3	0.030 J	0.037 J	0.39	0.44
Fluorene	MG/KG	50	-	0.38	0.020 J		0.25 J	0.19 J
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-	0.11 J			0.11 J	0.075 J
Naphthalene	MG/KG	13	-	0.23 J	0.12 J	0.11 J	0.23 J	0.30 J
Phenanthrene	MG/KG	50	-	0.71	0.065 J	0.061 J	0.14 J	0.75
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA	NA
Pyrene	MG/KG	50	-	1.0	0.024 J	0.027 J	0.36	0.39
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	6.654	0.356	0.358	2.849	3.808
Total Semivolatile Organic Compounds	MG/KG	500	-	6.654	0.356	0.358	2.849	3.808
<b>Metals</b>								
Lead	MG/KG	SB	200-500	14.4	10.8	12.3	21.6	14.7
Mercury	MG/KG	0.1	0.001-0.2	0.035 J			0.11	0.036 J
<b>Miscellaneous Parameters</b>								
Solids, Percent	%	-	-	77.4	81.3	82.4	76.8	75.2

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
-  Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX016S	CSSWEX017S	CSSWEX018S	CSSWEX019S
Sample ID				ICSSWEX016S	ICSSWEX017S	ICSSWEX018S	ICSSWEX019S
Matrix				Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/16/10	12/17/10	12/20/10	12/21/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Volatile Organic Compounds</b>							
Acetone	MG/KG	0.2	-	NA	NA	NA	NA
Benzene	MG/KG	0.06 or MDL	-				
Ethylbenzene	MG/KG	5.5	-			0.0010 J	
Isopropylbenzene (Cumene)	MG/KG	2.3	-	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	-	NA	NA	NA	NA
Toluene	MG/KG	1.5	-				
Xylene (total)	MG/KG	1.2	-			0.0063 J	
Total BTEX	MG/KG	10	-	ND	ND	0.0073	ND
Total Volatile Organic Compounds	MG/KG	10	-	ND	ND	0.0073	ND
<b>Semivolatile Organic Compounds</b>							
1,1-Biphenyl	MG/KG	-	-	NA	NA	NA	NA
2,4-Dimethylphenol	MG/KG	-	-	NA	NA	NA	NA
2-Methylnaphthalene	MG/KG	36.4	-	1.4			
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	-	NA	NA	NA	NA
4-Methylphenol (p-cresol)	MG/KG	0.9	-	NA	NA	NA	NA
Acenaphthene	MG/KG	50	-	0.45			
Acenaphthylene	MG/KG	41	-				
Anthracene	MG/KG	50	-				
Benzaldehyde	MG/KG	-	-	NA	NA	NA	NA
Benzo(a)anthracene	MG/KG	0.224 or MDL	-				
Benzo(a)pyrene	MG/KG	0.061 or MDL	-				
Benzo(b)fluoranthene	MG/KG	1.1	-				

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

-  Concentration Exceeds Criteria (1)
-  Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT [LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 4**  
**SUMMARY OF DETECTED ANALYTES IN SOIL SAMPLES**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				CSSWEX016S	CSSWEX017S	CSSWEX018S	CSSWEX019S
Sample ID				ICSSWEX016S	ICSSWEX017S	ICSSWEX018S	ICSSWEX019S
Matrix				Soil	Soil	Soil	Soil
Depth Interval (ft)				6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled				12/16/10	12/17/10	12/20/10	12/21/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Semivolatile Organic Compounds</b>							
Benzo(g,h,i)perylene	MG/KG	50	-				
Benzo(k)fluoranthene	MG/KG	1.1	-				
bis(2-Ethylhexyl)phthalate	MG/KG	50	-	NA	NA	NA	NA
Carbazole	MG/KG	-	-	NA	NA	NA	NA
Chrysene	MG/KG	0.4	-				
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	-				
Dibenzofuran	MG/KG	6.2	-	NA	NA	NA	NA
Fluoranthene	MG/KG	50	-				
Fluorene	MG/KG	50	-	0.069 J			
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	-				
Naphthalene	MG/KG	13	-	0.060 J			
Phenanthrene	MG/KG	50	-				
Phenol	MG/KG	0.03 or MDL	-	NA	NA	NA	NA
Pyrene	MG/KG	50	-				
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	-	1.979	ND	ND	ND
Total Semivolatile Organic Compounds	MG/KG	500	-	1.979	ND	ND	ND
<b>Metals</b>							
Lead	MG/KG	SB	200-500	15.2	11.4	11.2	15.5
Mercury	MG/KG	0.1	0.001-0.2	0.046 J	0.030 J	0.050 J	0.040
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	-	70.8	75.8	73.6	78.5

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Criteria (2)- Eastern USA Background Concentrations from NYSDEC TAGM: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

MDL - Method detection limit. SB - Site background. - = No criteria.

ND or blank cell - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

Advanced Selection: Table 4 Wooden Duc  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] = 'CSBMEX005' OR [LOCID] = 'CSBMEX007' OR [LOCID] = 'CSBMEX01

**TABLE 5**  
**WASTEWATER ANALYTICAL RESULTS**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Volatile Organic Compounds</b>							
1,1,1-Trichloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
2-Chloroethyl vinyl ether	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Acrolein	UG/L	-	-	4.0 U	NA	4.0 U	4.0 U
Acrylonitrile	UG/L	-	-	2.0 U	NA	2.0 U	2.0 U
Benzene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Bromodichloromethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Bromoform	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Bromomethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Carbon tetrachloride	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Chlorobenzene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Chloroethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Chloroform	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

Flags assigned during laboratory review are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- = No criteria.

ND or U - Not detected. NA - Not analyzed.

H - Sample was extracted and/or analyzed outside of holding time. J - The reported concentration is an estimated value.

**Detection Limits shown are PQL**

**TABLE 5**  
**WASTEWATER ANALYTICAL RESULTS**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Volatile Organic Compounds</b>							
Chloromethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Dibromochloromethane	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Ethylbenzene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Methylene chloride	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Tetrachloroethene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Toluene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Trichloroethene	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Vinyl chloride	UG/L	-	-	1.0 U	NA	1.0 U	1.0 U
Xylene (total)	UG/L	-	-	3.0 U	NA	3.0 U	3.0 U
Total Volatile Organic Compounds	UG/L	-	-	ND	NA	ND	ND
<b>Semivolatile Organic Compounds</b>							
1,2,4-Trichlorobenzene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
1,2-Dichlorobenzene	UG/L	-	-	10 U	NA	11 U	10 UH
1,2-Diphenylhydrazine	UG/L	-	-	10 U	NA	11 U	10 UH
1,3-Dichlorobenzene	UG/L	-	-	10 U	NA	11 U	10 UH
1,4-Dichlorobenzene	UG/L	-	-	10 U	NA	11 U	10 UH
2,2-oxybis(1-Chloropropane)	UG/L	-	-	10 U	NA	11 U	10 UH
2,4,5-Trichlorophenol	UG/L	-	-	10 U	NA	11 U	10 UH
2,4,6-Trichlorophenol	UG/L	-	-	10 U	NA	11 U	10 UH
2,4-Dichlorophenol	UG/L	-	-	10 U	NA	11 U	10 UH
2,4-Dimethylphenol	UG/L	-	-	10 U	NA	11 U	10 UH
2,4-Dinitrophenol	UG/L	-	-	30 U	NA	33 U	30 UH

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

Flags assigned during laboratory review are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

- = No criteria.

ND or U - Not detected. NA - Not analyzed.

H - Sample was extracted and/or analyzed outside of holding time. J - The reported concentration is an estimated value.

**Detection Limits shown are PQL**

**TABLE 5**  
**WASTEWATER ANALYTICAL RESULTS**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Semivolatile Organic Compounds</b>							
2,4-Dinitrotoluene	UG/L	-	-	2.0 U	NA	2.2 U	2.0 UH
2,6-Dinitrotoluene	UG/L	-	-	2.0 U	NA	2.2 U	2.0 UH
2-Chloronaphthalene	UG/L	-	-	10 U	NA	11 U	10 UH
2-Chlorophenol	UG/L	-	-	10 U	NA	11 U	10 UH
2-Nitrophenol	UG/L	-	-	10 U	NA	11 U	10 UH
3,3-Dichlorobenzidine	UG/L	-	-	20 U	NA	22 U	20 UH
4,6-Dinitro-2-methylphenol	UG/L	-	-	30 U	NA	33 U	30 UH
4-Bromophenyl-phenylether	UG/L	-	-	10 U	NA	11 U	10 UH
4-Chloro-3-methylphenol	UG/L	-	-	10 U	NA	11 U	10 UH
4-Chloroaniline	UG/L	-	-	10 U	NA	11 U	10 UH
4-Chlorophenyl-phenylether	UG/L	-	-	10 U	NA	11 U	10 UH
4-Nitrophenol	UG/L	-	-	30 U	NA	33 U	30 UH
Acenaphthene	UG/L	-	-	10 U	NA	11 U	10 UH
Acenaphthylene	UG/L	-	-	10 U	NA	11 U	10 UH
Anthracene	UG/L	-	-	10 U	NA	11 U	10 UH
Benizidine	UG/L	-	-	10 U	NA	11 U*	10 UH
Benzo(a)anthracene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Benzo(a)pyrene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Benzo(b)fluoranthene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Benzo(g,h,i)perylene	UG/L	-	-	10 U	NA	11 U	10 UH
Benzo(k)fluoranthene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
bis(2-Chloroethoxy)methane	UG/L	-	-	10 U	NA	11 U	10 UH

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

Flags assigned during laboratory review are shown.



- = No criteria.

ND or U - Not detected. NA - Not analyzed.

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**Detection Limits shown are PQL**

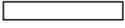
**TABLE 5**  
**WASTEWATER ANALYTICAL RESULTS**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Semivolatile Organic Compounds</b>							
bis(2-Chloroethyl)ether	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
bis(2-Ethylhexyl)phthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Butylbenzylphthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Chrysene	UG/L	-	-	10 U	NA	11 U	10 UH
Dibenz(a,h)anthracene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Diethylphthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Dimethylphthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Di-n-butylphthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Di-n-octylphthalate	UG/L	-	-	10 U	NA	11 U	10 UH
Fluoranthene	UG/L	-	-	10 U	NA	11 U	10 UH
Fluorene	UG/L	-	-	10 U	NA	11 U	10 UH
Hexachlorobenzene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Hexachlorobutadiene	UG/L	-	-	2.0 U	NA	2.2 U	2.0 UH
Hexachlorocyclopentadiene	UG/L	-	-	10 U	NA	11 U	10 UH
Hexachloroethane	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Indeno(1,2,3-cd)pyrene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Isophorone	UG/L	-	-	10 U	NA	11 U	10 UH
Naphthalene	UG/L	-	-	10 U	NA	11 U	10 UH
Nitrobenzene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
N-Nitrosodimethylamine	UG/L	-	-	10 U	NA	11 U	10 UH
N-Nitroso-di-n-propylamine	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
N-Nitrosodiphenylamine	UG/L	-	-	10 U	NA	11 U	10 UH

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

Flags assigned during laboratory review are shown.

	Concentration Exceeds Criteria (1)
	Concentration Exceeds Criteria (2)

- = No criteria.

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**Detection Limits shown are PQL**

**TABLE 5**  
**WASTEWATER ANALYTICAL RESULTS**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Semivolatile Organic Compounds</b>							
Pentachlorophenol	UG/L	-	-	30 U	NA	33 U	30 UH
Phenanthrene	UG/L	-	-	10 U	NA	11 U	10 UH
Phenol	UG/L	-	-	10 U	NA	11 U	10 UH
Pyrene	UG/L	-	-	10 U	NA	11 U	10 UH
Total Semivolatile Organic Compounds	UG/L	-	-	ND	NA	ND	ND
<b>Pesticide Organic Compounds</b>							
4,4'-DDD	UG/L	-	-	0.040 U	NA	0.043 U	0.040 UH
4,4'-DDE	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
4,4'-DDT	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Aldrin	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
alpha-BHC	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
beta-BHC	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
delta-BHC	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Dieldrin	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endosulfan I	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endosulfan II	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endosulfan sulfate	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endrin	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endrin aldehyde	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Endrin ketone	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
gamma-BHC (Lindane)	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Heptachlor	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

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**ITHACA COURT STREET FORMER MGP SITE**

Location ID				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Pesticide Organic Compounds</b>							
Heptachlor epoxide	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Methoxychlor	UG/L	-	-	0.020 U	NA	0.022 U	0.020 UH
Technical Chlordane	UG/L	-	-	0.51 U	NA	0.54 U	0.50 UH
Toxaphene	UG/L	-	-	1.0 U	NA	1.1 U	1.0 UH
Total Pesticide Organic Compounds	UG/L	-	-	ND	NA	ND	ND
<b>Herbicides</b>							
2,4,5-T	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
2,4,5-TP (Silvex)	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
2,4-D	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
2,4-DB	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
Dalapon	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
Dicamba	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
Dichloroprop	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
Dinoseb	UG/L	-	-	0.56 U	NA	0.52 U	0.51 UH
MCPA	UG/L	-	-	56 U	NA	52 U	51 UH
MCPP	UG/L	-	-	56 U	NA	52 U	51 UH
Total Herbicides	UG/L	-	-	ND	NA	ND	ND
<b>Metals</b>							
Arsenic	MGL	0.6	-	0.0030 J	NA	0.0050 U	0.015 U
Barium	MGL	240	80	0.18 J	NA	0.17 J	0.157
Cadmium	MGL	7.5	2.5	0.0050 U	NA	0.0050 U	0.0050 U
Chromium	MGL	24	8	0.010 U	NA	0.010 U	0.0050 U

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

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Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

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**ITHACA COURT STREET FORMER MGP SITE**

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Sample ID				EFF1181001	EFF1181001	EFF1261002	EFF12201003
Matrix				Waste Water	Waste Water	Waste Water	Waste Water
Depth Interval (ft)				-	-	-	-
Date Sampled				11/08/10	11/11/10	12/06/10	12/20/10
Parameter	Units	Criteria (1)	Criteria (2)				
<b>Metals</b>							
Hexavalent Chromium (VI)	MG/L	3	1	NA	0.0035 J	0.010 U	0.010 U
Copper	MG/L	6	2	0.025 U	NA	0.025 U	0.0028 J
Iron	MG/L	540	180	5.6	NA	2.0	1.71
Lead	MG/L	20	-	0.0030 J	NA	0.0050 U	0.015 U
Manganese	MG/L	24	8	1.1	NA	1.1	0.874
Mercury	MG/L	4.5	1.5	0.00020 U	NA	0.00020 U	0.00020 U
Nickel	MG/L	10	-	0.040 U	NA	0.040 U	0.0013 J
Silver	MG/L	18	6	0.010 U	NA	0.010 U	0.0050 U
Zinc	MG/L	35	20	0.030 U	NA	0.030 U	0.025 U
<b>Miscellaneous Parameters</b>							
Cyanide, Total	MG/L	0.6	0.2	0.070	NA	0.071	0.0473
Oil & Grease (SGT-HEM)	MG/L	50	50	5.0 U	NA	5.0 U	5.0 U
pH	SU	5.5-11.0	5.5-11.0	7.50 HF	7.02 HF	7.77 HF	7.35 HF
Total Suspended Solids	MG/L	-	-	10.0 U	NA	10.0 U	64.0

Criteria (1)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 24-hour Average Maximum Concentration.

Criteria (2)- Ithaca Area Wastewater Treatment Facility - Special Permit for NYSEG Ithaca Court Street Former Manufactured Gas Plant Site - 30-day Average Maximum Concentration.

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Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- = No criteria.

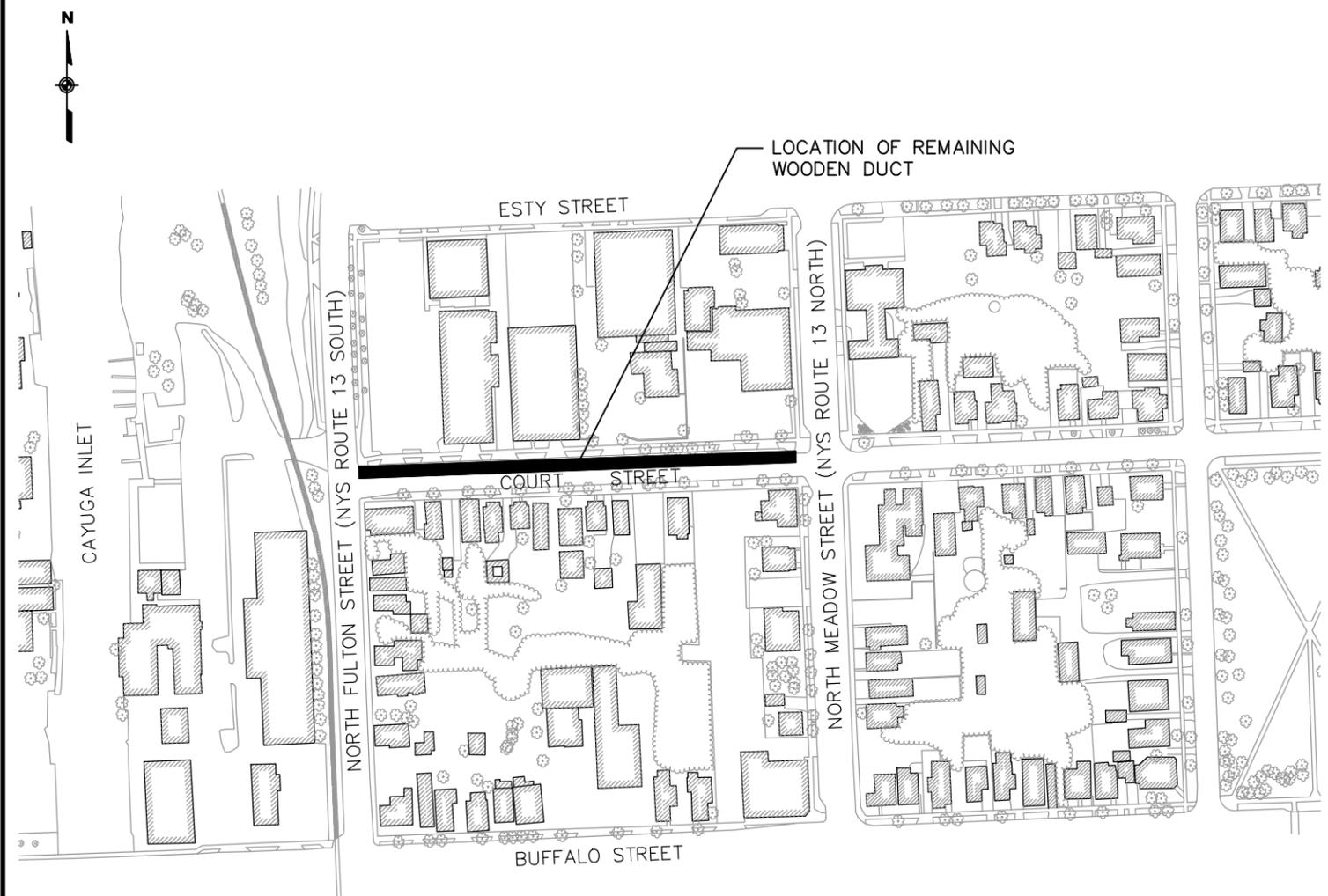
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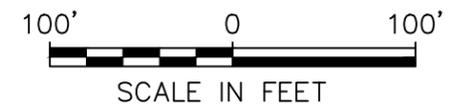
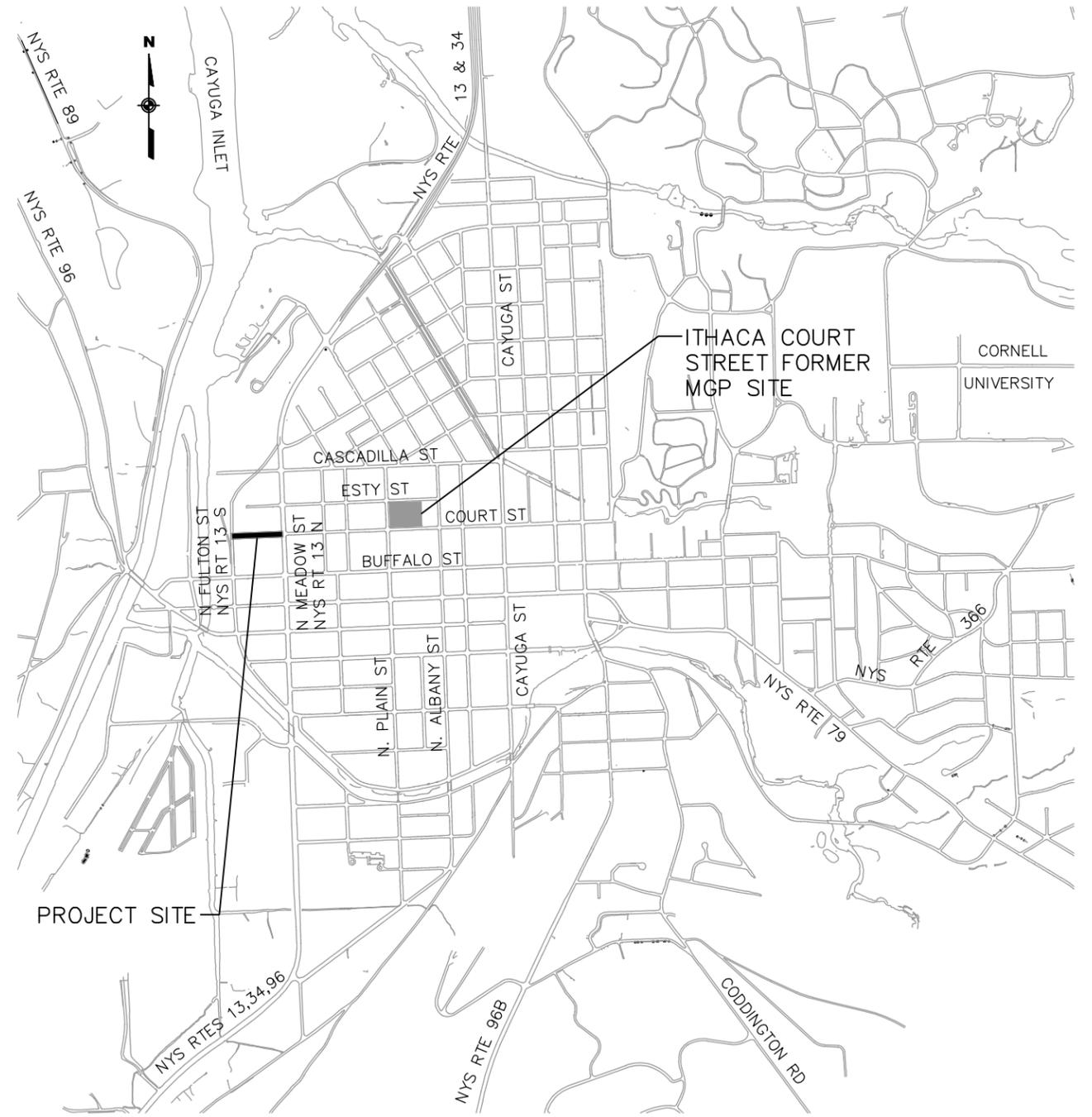
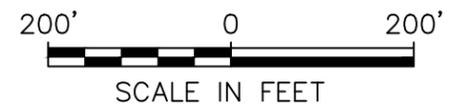
**Detection Limits shown are PQL**

## **FIGURES**

I:\1175550\Wooden Duct CAD\figure 1.dwg, Layout1, 1:1, 5/4/11 -2-RAL



SOURCE: BASE MAPPING DIGITIZED FROM NEW YORK STATE GIS CLEARINGHOUSE IMAGERY, .5 RESOLUTION, DATED 2007



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IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON OTHER THAN WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO IT HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION
REVISIONS				

DRAWN BY: RAL  
 CHECKED BY: AMM  
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**URS Corporation**  
 New York  
 77 Goodell Street, Buffalo, New York 14203  
 (716)856-5636 - (716)856-2545 fax  
**JOB NO. 11176093**

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**  
 18 LINK DRIVE  
 BINGHAMTON, NEW YORK  
 13902-5224

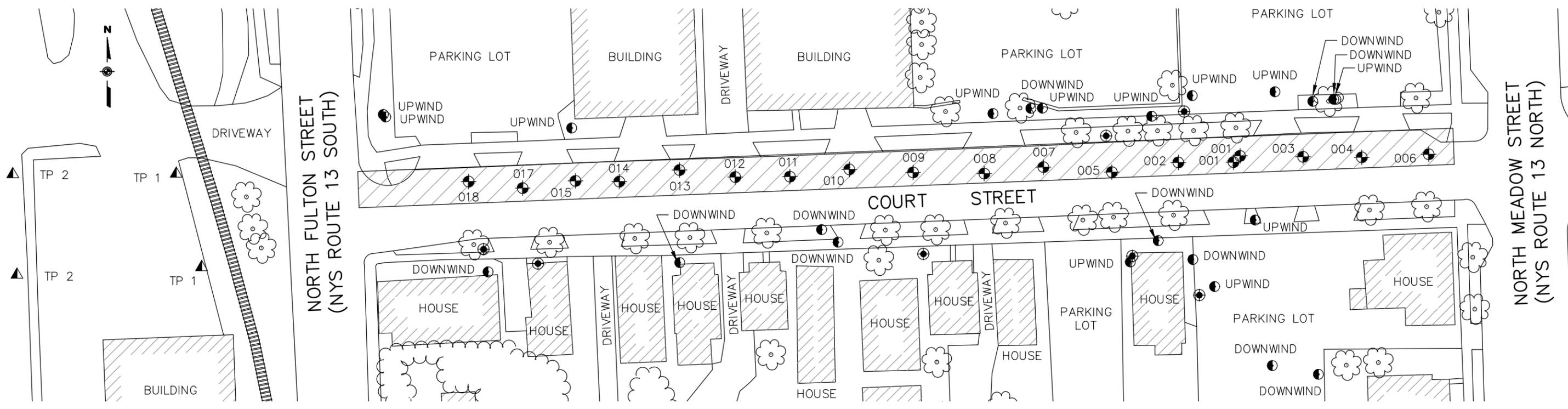
OU2 IRM CCR FOR WOODEN DUCT REMOVAL PROJECT ON W. COURT STREET BETWEEN N. MEADOW & N. FULTON STREETS ASSOCIATED WITH ITHACA COURT STREET FORMER MGP

**SITE LOCATION MAP**

Scale: AS SHOWN Date: APR. 2011 **FIGURE 1**

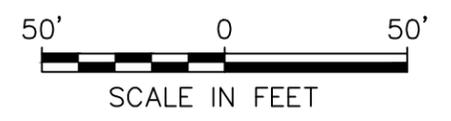
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I:\117550\Wooden Duct CAD\figure 2.dwg, Layout1, 1:1, 5/4/11 -2-RAL



**LEGEND**

- SOIL CONFIRMATION SAMPLE LOCATION
- AIR MONITORING LOCATION
- AIR MONITORING RECEPTOR
- TEST PIT
- EXCAVATED AREA



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**NEW YORK STATE ELECTRIC  
AND GAS CORPORATION**  
18 LINK DRIVE  
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13902-5224

OU2 IRM CCR FOR WOODEN DUCT  
REMOVAL PROJECT ON W. COURT  
STREET BETWEEN N. MEADOW & N.  
FULTON STREETS ASSOCIATED WITH  
ITHACA COURT STREET FORMER MGP

REMEDIATION AREA AND SOIL  
CONFIRMATION SAMPLE LOCATIONS

Scale: AS SHOWN Date: APR. 2011 FIGURE 2

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## **APPENDIX A**

### **AIR MONITORING DATA**

















































































































































## **APPENDIX B**

### **PHOTOGRAPHIC LOG**

NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

Photo No. 1

Date: 10-27-2010

Site Location:  
Ithaca, NY

**Description:**

Excavation of test pit to locate wooden duct.

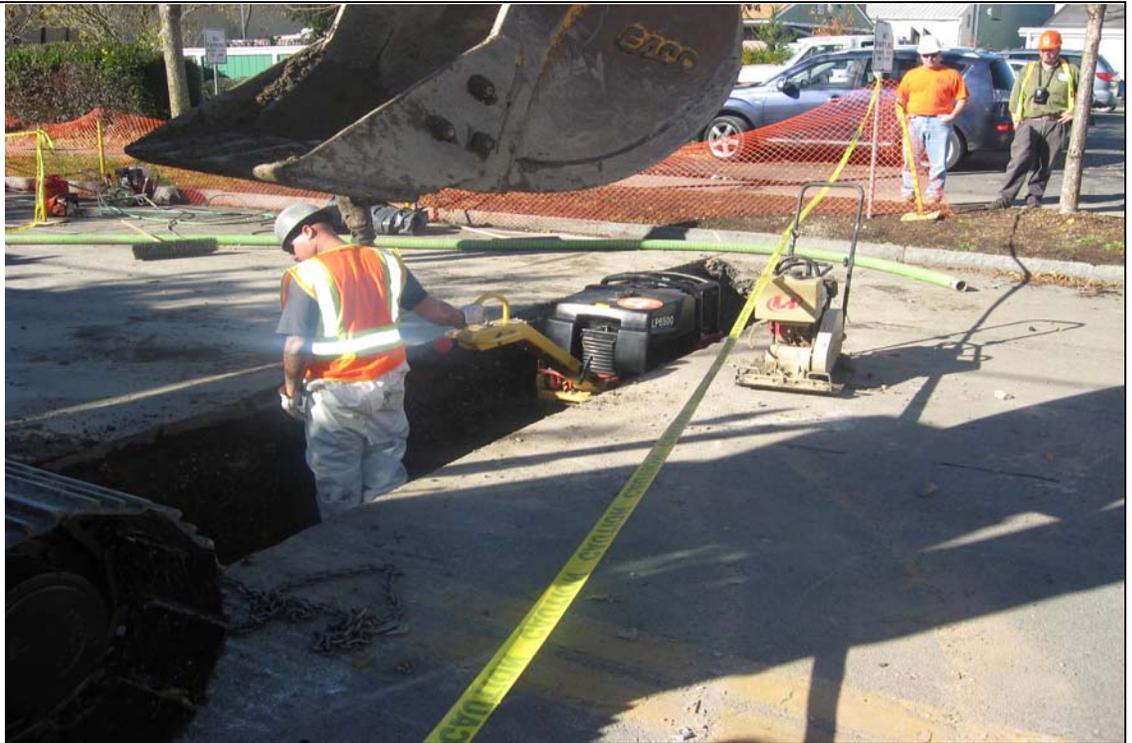


Photo No. 2

Date: 10-27-2010

Site Location:  
Ithaca, NY

**Description:**

Exposed wooden duct and clay tile.



NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

Photo No. 3

Date: 10-29-2010

Site Location:  
Ithaca, NY

**Description:**

Excavation to remove piping, impacted soil and wooden duct.



Photo No. 4

Date: 10-29-2010

Site Location:  
Ithaca, NY

**Description:**

Exposed duct.



NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

Photo No. 5

Date: 11-09-2010

Site Location:  
Ithaca, NY

**Description:**

Loading impacted soil for disposal at ESML.



Photo No. 6

Date: 6-09-2010

Site Location:  
Ithaca, NY

**Description:**

Removing tar impacted wood into excavator bucket for disposal.



NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

Photo No. 7

Date: 11-12-2010

Site Location:  
Ithaca, NY

**Description:**

Storm sewer on the north side of Court Street diameter increased from 24" to 32".



Photo No. 8

Date: 11-16-2010

Site Location:  
Ithaca

**Description:**

SES plugged piping and duct at the intersection of Court St and N. Meadow (St. (NYS Route 13 N).



**NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.**

**Ithaca, NY**

**Photo No. 9**

**Date:** 11-16-2010

**Site Location:**  
Ithaca, NY

**Description:**

Duct ready to be capped with concrete and plywood cover. At intersection of Court St. N Meadow (NYS Route 13 N).



**Photo No. 10**

**Date:** 12-16-2010

**Site Location:**  
Ithaca, NY

**Description:**

Exposed wooden duct.





# PHOTOGRAPHIC LOG

NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

**Photo No.** 11

**Date:** 12-16-2010

**Site Location:**  
Ithaca, NY

**Description:**

Duct ready to be removed.



**Photo No.** 12

**Date:** 12-21-2010

**Site Location:**  
Ithaca, NY

**Description:**

Capping wooden duct at intersection of N. Fulton St. (NYS Route 13 S) and Court St.



**NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.**

**Ithaca, NY**

**Photo No. 13**

**Date:** 12-21-2010

**Site Location:**  
Ithaca, NY

**Description:**

Cleaning pipe for installation of concrete plug.



**Photo No. 14**

**Date:** 12-21-2010

**Site Location:**  
Ithaca, NY

**Description:**

Capping pipe with concrete.



NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.

Ithaca, NY

Photo No. 15

Date: 12-21-2010

Site Location:  
Ithaca, NY

SES plugging pipe with concrete at intersection of Court St and N. Fulton St. (NYS Route 13 S).



Photo No. 16

Date: 12-21-2010

Site Location:  
Plattsburgh, NY

Description:

Pipe plugged at intersection of Court St. and N. Fulton St. (NYS Route 13 S).



**NYSEG – Court St. Wooden Duct removal project from N. Meadow St. to N. Fulton St.**

**Ithaca, NY**

**Photo No. 17**

**Date:** 12-22-2010

**Site Location:**  
Ithaca, NY

**Description:**

Test pit #1 no evidence of wooden duct or impacted soil.



**Photo No. 18**

**Date:** 12-22-2010

**Site Location:**  
Ithaca, NY

**Description:**

Test pit #2 no evidence of wooden duct or impacted soil.



## **APPENDIX C**

### **PROJECT PERMITS**



**OBJECTIVES:**

There are four major objectives of the General Pretreatment Regulations. The Program must:

1. Prevent the introduction of substances in concentrations that would cause the POTW to violate its discharge permit. This is referred to as a pass through violation.
2. Prevent the introduction of substances in concentrations that would contaminate the resulting biosolids (sludge) and preventing beneficial reuse.
3. Prevent the introduction of substances in concentrations that would inhibit treatment processes.
4. Prevent the introduction of substances in concentrations that would be harmful to workers.

**CONDITIONS:**

1. The water from these sites will be pretreated in the manner described in the Remedial Design Work Plan for the Ithaca Court Street Former Manufactured Gas Plant Site.
2. The treated water will be discharged into the sanitary sewer system at a manhole near the remediation site at a rate of no more than 250 gallons per minute.
3. The IAWWTF will be contacted prior to starting the process and discharging to the sanitary sewer.
4. IAWWTF personnel may inspect and/or sample during the process at anytime.
5. All other conditions of the sewer use laws are applicable.
6. The contractor is responsible for ensuring that no substance of concern enters the sanitary sewers in concentrations that would adversely affect the IAWWTF property or processes, cause pass through, or cause concern for worker safety.
7. All water discharged into the sanitary sewers will first be pumped through a totalization meter. This meter will provide an accurate measure of discharged waters for billing and permitting purposes. The contractor will record the amount of water discharged to the sanitary sewer on a daily basis and report the total flow for the month to the IAWWTF.
8. The contractor will collect samples, following EPA approved methods, for the following contaminants and have them analyzed using EPA approved methods.

<b>Parameter</b>	<b>Sample type</b>	<b>Frequency**</b>
Oil and grease (petroleum based)	Grab	
pH	Grab	
Total suspended solids	Composite *	
Pesticides/Herbicides	Composite *	
Volatile organics	Grab	
Semi volatile organics	Composite *	
Cyanide	Composite *	
Metals: Arsenic	Composite *	
Barium		
Cadmium		
Total Chromium		
Hexavalent Chromium		
Copper		
Iron		
Lead		
Manganese		
Mercury		
Nickel		
Silver		
Zinc		

\* When batch tanks of treated wastewater are being individually discharged, 1 grab sample taken from a well mixed tank will constitute a composite sample.

\*\* The frequency of this sampling and analysis will be;

- During the first week of operations within each separate containment area, every treated water batch tank or, if continuous flow conditions exist, 4 grab samples every other day.
- Once per tank or once per week (whichever is less) for the next three weeks;
- Once per tank or every other week (whichever is less) after four weeks of operation.

This is the minimum analysis required and may be increased by the IAWWTF.

Composite samples are to be taken from the batch tank after mixing or, when heavy use necessitates continuous discharge; samples must be collected at a minimum rate of one sample every 30 minutes at the point of discharge into the treated water holding tank.

The contractor shall pay for all cost associated with the above sampling and testing.

Results of analysis shall be submitted to the IAWWTF within 24 hours of their receipt.

All analysis must be conducted by a certified laboratory and include chain of custody, quality assurance and quality control information.

9. The contractor will inform this facility if any changes are made either in the form of

operations or in the quantity or quality of the wastewater discharged to the collection system that might affect the characteristics of the wastewater.

10. **Accidental Discharges:** This facility must be notified immediately upon NYSEG becoming aware of any accidental discharge that might change the characteristics of the wastewater.
11. This permit may be amended by the IAWWTF as conditions dictate.

#### PROHIBITED DISCHARGES

1. Wastewater constituents that cause pass-through (pursuant to Article II Section 4A);
2. Wastewater constituents that cause interference (pursuant to Article II Section 4A);
3. Groundwater and non-contact cooling water may be discharged to the POTW only if so authorized by a Wastewater Discharge Permit, and only if the Chief Operator determines that sufficient hydraulic reserve capacity exists at the POTW to accommodate such discharges (pursuant to Article II Section 5A);
4. Wastewater that has the potential to create a fire or explosion hazard in the collection system or publicly-owned treatment works (POTW), including wastewater having a closed-cup flashpoint less than 140 degrees F or 60 degrees C (pursuant to Article II Section 5B);
5. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers or other interference with the proper operation of the POTW (pursuant to Article II Section 5C);
6. Wastewater that has a pH less than 5.5 or greater than 11.0 S.U. (pursuant to Article II Section 5D);
7. Wastewater containing pollutants in sufficient quantity or concentration to cause the discharge of toxic pollutants in toxic amounts from the POTW into its receiving waters (pursuant to Article II Section 5E);
8. Wastewater constituents that result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems (pursuant to Article II Section 5F);
9. Any substance which may cause the POTW's effluent or other product of the POTW such as residues, sludges, or scums, to be unsuitable for disposal in any manner permitted by law or for reclamation and reuse, or to interfere with the reclamation process (pursuant to Article II Section 5G);

10. Any pollutants, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW. (pursuant to Article II Section 5H);
11. Any wastewater with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions (pursuant to Article II Section 5I);
12. Wastewater that has a temperature greater than 40°C (104°F) or in a quantity such that the temperature at the headworks of the POTW exceeds 40°C (104°F) (pursuant to Article II Section 5J);
13. Any wastewater containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits necessary to comply with applicable state or federal regulations (pursuant to Article II Section 5K);
14. Any sludge's or deposited solids resulting from an industrial pretreatment process (pursuant to Article II Section 5L);
15. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through (pursuant to Article II Section 5M).

In addition to the discharge prohibitions set forth above, the POTW has developed specific discharge limitations, hereafter referred to as local limits, to prevent Pass Through and Interference and to protect the safety and health of POTW workers. In no case shall a User's discharge to the POTW violate the local limits, as they may be amended from time to time, and which are set forth in separate laws adopted by the municipalities.

#### LOCAL LIMITS

Parameter	Maximum Concentration 30-Day Average (mg/L)	Maximum Concentration 24-Hour Average (mg/L)
Arsenic	n/a	0.6
Barium	80	240
Cadmium	2.5	7.5
Total Chromium	8.0	24.0
Hexavalent Chromium	1.0	3.0
Copper	2.0	6.0
Cyanide	0.2	0.6
Iron	180	540
Lead	n/a	20
Manganese	8	24
Mercury	1.5	4.5
Nickel	n/a	10

Silver	6	18
Zinc	20	35

Discharge Limit

	Instantaneous
	(ppm)
Total Oil and Grease O&G (petroleum based)	50
pH	5.5 - 11.0 S.U.

FEE:

1. The disposal fee for water discharged to the sanitary sewer will be \$10.00 per 1,000 gallons. The amount of water discharged will be determined from the totalization meter.
2. NYSEG will be billed directly and the billing will be on a monthly basis.

DURATION:

This permit is effective immediately and expires at **midnight on 12/31/10**. This permit may be amended by the IAWWTF as conditions dictate. This permit may be revoked due to the failure of the contractor to achieve the objectives of the pretreatment program. This permit may be revoked by the owners of this facility or their representative without notice or cause. Should NYSEG need this permit extended beyond the due date they must contact this office 30 days prior to the expiration date.

Permit issued by:

  
 Daniel Ramer  
 IAWWTF Chief Operator

Date: 3/16/10

## **APPENDIX D**

### **ESMI CERTIFICATE OF TREATMENT AND RECYCLING**

# Certificate of Treatment & Recycling

ESMI of New York hereby acknowledges the *Treatment & Recycling*

of 3,970.34 tons of Coal Tar Contaminated Soil from

**Ithaca Court St. Former MGP Site**  
Ithaca, NY

by

***Thermal Desorption***

Certificate No. 030911-8427

Issued To: NYSEG

By: 

Peter C. Hansen, Compliance Manager  
Environmental Soil Management of New York, LLC.

New York State DEC Permit No. 5-5330-00038/00019

**APPENDIX E**  
**CLEAN HARBORS MANIFESTS**

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>NYD980531354</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800)483-3718</b>	4. Manifest Tracking Number <b>003968642 FLE</b>
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5. Generator's Name and Mailing Address <b>New York State Electric &amp; Gas PO Box 5224 Binghamton, NY 13902</b>	Generator's Site Address (if different than mailing address) <b>North Plain and Court Streets Ithaca, NY 14851</b>
Generator's Phone: <b>(607) 762-7747</b>	ATTN: <b>Dabbie Dunlap</b>

6. Transporter 1 Company Name <b>Clean Harbors Environmental Services Inc</b>	U.S. EPA ID Number <b>MAD039322250</b>
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
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8. Designated Facility Name and Site Address <b>Clean Harbors Canada Inc 4090 Teller Road RR#1 Coruna, ON N0N 1G0</b>	U.S. EPA ID Number <b>MIR000035204</b>
Facility's Phone: <b>(519) 864-3892</b>	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
		No.	Type						
X	<b>RD, UN3077, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (BENZENE), 9, PG III (D018)</b>	<b>001</b>	<b>CM</b>	<b>EST 15,000</b>	<b>P</b>	<b>D018</b>	<b>L</b>		

14. Special Handling Instructions and Additional Information  
**CHES of Glenmont EPA # NYD980531354 is acting as primary exporter on behalf of generator**  
**Permit # DF50719-0 CHRT 25780**  
**Prenote # 521698**  
**WS # 11**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name <b>X SHAW (Company)</b>	Signature <b>X [Signature]</b>	Month <b>11</b>	Day <b>17</b>	Year <b>10</b>
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16. International Shipments:  Import to U.S.  Export from U.S.  
 Port of entry/exit: **Quezon City**  
 Date leaving U.S.: **11-18-10**

17. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name <b>Mark Brackett</b>	Signature <b>[Signature]</b>	Month <b>11</b>	Day <b>17</b>	Year <b>10</b>
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy  
 18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection  
 Manifest Reference Number:

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	

18c. Signature of Alternate Facility (or Generator)	Month	Day	Year
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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. <b>H132</b>	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a			
Printed/Typed Name <b>Nicole Fox</b>	Signature <b>[Signature]</b>	Month <b>11</b>	Day <b>18</b>
		Year <b>10</b>	

# MOVEMENT DOCUMENT / MANIFEST DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.  
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

## DF50719-0

Movement Document / Manifest Reference No.  
N° de référence du document de mouvement/manifeste

<b>A Generator / consigneur</b> <b>Producteur / expéditeur</b> Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. Shipping site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal				<b>B Carrier</b> <b>Transporteur</b> Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. Vehicle / Véhicule Registration No. / N° d'immatriculation Prov. 24 Trailer - Rail car No. 1 1 <sup>re</sup> remorque - wagon Trailer - Rail car No. 2 2 <sup>e</sup> remorque - wagon Port of entry / Point d'entrée International use only Port of exit / Point de sortie International use only 25 Carrier Certification: I certify that I have received waste or recyclable material from the generator/consignor for delivery to the receiver/consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation de transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur/expéditeur en vue de leur livraison au réceptionnaire/destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets. Name of authorized person (print): Nom de l'agent autorisé (caractère d'imprimerie): Year / Année Month / Mois Day / Jour Signature:				Reference Nos. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés <b>C Receiver / consignee</b> <b>Réceptionnaire / destinataire</b> Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial Receiver / consignee information same as in Part A. Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A. <input checked="" type="checkbox"/> Yes / OUI <input type="checkbox"/> No, complete the box below / Non, remplir la case ci-dessous Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville E-mail / Courrier électronique Receiving site address / Adresse du lieu de destination Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire Registration No./Provincial ID No N° d'immatriculation/d'id provincial			
Intended Receiver / consignee Réceptionnaire / destinataire prévu 2 Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. Receiving site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal				Port of entry / Point d'entrée International use only Port of exit / Point de sortie International use only Name of authorized person (print): Nom de l'agent autorisé (caractère d'imprimerie): Year / Année Month / Mois Day / Jour Signature:				Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville E-mail / Courrier électronique Receiving site address / Adresse du lieu de destination Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire Registration No./Provincial ID No N° d'immatriculation/d'id provincial			
Prox. code Code prov. 3 Shipping name Appellation réglementaire 4 Class / Classe Sub. class(es) Class(es) sub. 5 UN No. NFNU 6 Packing / stat. gr. Gr. d'emballage/ de risque 7 Quantity shipped Quantité expédiée 8 Units L or / ou Kg Unités 9 Packaging/Content Codes Int - ext. 10 Phys. state Etat phys. 10 Quantity received Quantité reçue 31 Units L or / ou kg Unités 31 Comments Commentaires 32 Handling Code / Code de manutention 33 Shipment / Envoi Accepted / Refused Accepté / Refusé 34 Pack. Cont. 34				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.			
Notice No. N° de notification 11 Notice Line No N° de ligne de la notification 12 Shipment Envoi 13 Of / De 14 D or R code Code É ou R 15 C code Code C 16 Basel Annex VIII or OECD Code Annexe VIII de Bâle ou Code OCDE 17 H code Code H 18 Y code Code Y 19 National code in country of / Code du pays 20 Export Importation Customs code(s) Code(s) de douanes 21 Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure Scheduled arrival date / Date d'arrivée prév Year / Année Month / Mois Day / J				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.			
Generator / consignor certification: I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.				National code in country of / Code du pays 18 Export Importation Customs code(s) Code(s) de douanes 19 If handling code "Other" (specify) Si code de manutention « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractère d'imprimerie) Signature Tel. No. / N° de tél.			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>NYD980831354</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 485-3718</b>	4. Manifest Tracking Number <b>003968804 FLE</b>			
5. Generator's Name and Mailing Address <b>New York State Electric &amp; Gas PO Box 5224 Binghamton, NY 13902</b>				Generator's Site Address (if different than mailing address) <b>North Plain and Court Streets Ithaca, NY 14851</b>				
6. Transporter 1 Company Name <b>Clean Harbors Environmental Services Inc</b>				U.S. EPA ID Number <b>MAD039322250</b>				
7. Transporter 2 Company Name <i>Clean Harbors Environmental Services Inc</i>				U.S. EPA ID Number <i>MAD039322250</i>				
8. Designated Facility Name and Site Address <b>Clean Harbors Canada Inc 4090 Teller Road RR#1 Corunna, ON N0N 1G0</b>				U.S. EPA ID Number <b>MIR000036204</b>				
Facility's Phone: <b>(519) 864-3892</b>								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. <b>RQ, UN3077, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (BENZENE), 9, PG III (D018)</b>			001 CM		EST 7	T	D018 L
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information <b>1. CH417931B ERG#171</b> <i>CHES of Genment NYD980831354 is acting as primary exporter on behalf of the generator.</i> <i>Prote 52698</i> <i>WS# 11 (no manifest) DE50730-8</i> <i>Can BKR012806</i>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeree's Printed/Typed Name <b>BRIAN J. Romus</b>				Signature <i>Brian J. Romus</i>		Month Day Year <b>12 08 10</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: <i>Quezon</i> Date leaving U.S.: <i>12-14-10</i>								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>Richard S Rowdell</b>				Signature <i>Richard S Rowdell</i>		Month Day Year <b>12 08 10</b>		
Transporter 2 Printed/Typed Name <b>Mark Brackett</b>				Signature <i>Mark Brackett</i>		Month Day Year <b>12 14 10</b>		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
18b. Alternate Facility (or Generator) U.S. EPA ID Number								
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H132</b>		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <b>Deva Umieson</b>				Signature <i>Deva Umieson</i>		Month Day Year <b>12 03 10</b>		





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>NYD980531354</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>003939133 FLE</b>
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5. Generator's Name and Mailing Address <b>New York State Electric &amp; Gas PO Box 5224 Binghamton, NY 13902</b>		Generator's Site Address (if different than mailing address) <b>North Plain and Court Streets Ithaca, NY 14851</b>	
6. Transporter 1 Company Name <b>Clean Harbors Environmental Services Inc</b>		U.S. EPA ID Number <b>MAD039322250</b>	

7. Transporter 2 Company Name		U.S. EPA ID Number	
8. Designated Facility Name and Site Address <b>Clean Harbors Canada Inc 4090 Teller Road RR#1 Corunna, ON N0N 1G0</b>		U.S. EPA ID Number <b>MIR000035204</b>	

Facility's Phone: <b>(519) 864-3892</b>			
--	--	--	--

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	<b>NO. UN3077. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (BENZENE), 9, PG III (D018)</b>	1	CM	EST. 10,000	P	D018		T

14. Special Handling Instructions and Additional Information <b>1. CM417931B EPG#171</b>		<b>French # 521098</b>		<b>CHES of Cleonport NYD986071622 is acting as primary exporter on behalf of generator</b>	
		<b>WS#11</b>			
		<b>ROLL-OFF # 25701</b>		<b>Can Man. # DF50132-4</b>	

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name <b>DAVID COFIELD JR</b>		Signature <i>[Signature]</i>		Month <b>1</b>	Day <b>13</b>	Year <b>11</b>
---	--	---------------------------------	--	-------------------	------------------	-------------------

18. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S.		Port of entry/exit: <b>QUEENSTON, ON</b>	
Transporter signature (for exports only): <i>[Signature]</i>		Date leaving U.S.: <b>1/13/11</b>	

17. Transporter Acknowledgment of Receipt of Materials		Signature		Month	Day	Year
Transporter 1 Printed/Typed Name <b>BILL GRIESBY</b>		<i>[Signature]</i>		<b>1</b>	<b>13</b>	<b>11</b>
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year

18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input checked="" type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					

18b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				
18c. Signature of Alternate Facility (or Generator)		Month	Day	Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. <b>H132</b>	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a			
Printed/Typed Name <b>Ryan Gordon</b>		Signature <i>[Signature]</i>	
Month <b>10</b>	Day <b>12</b>	Year <b>11</b>	

**Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.**



ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date : Jan 11, 2011

MANIFEST INFORMATION

Generator : New York State Electric & Gas

Address: North Plain and Court Streets  
Ithaca, NY 14851

EPA ID #: NYD980531354

Manifest Tracking Info.

003939133FLE

Sales Order No: SY3170173-003

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH417931B	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE

Certification

Applies to  
Manifest Line  
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

*David Coffield Jr*  
Agent For NYSEG

Print Name

DAVID Coffield Jr

Title :

Date :

1/13/2011



## **APPENDIX F**

### **VALIDATED DATA FOR WASTEWATER SAMPLES**

## ANALYTICAL REPORT

Job Number: 220-13956-1

Job Description: Ithaca Court Street Former MGP Site

For:

URS Corporation  
77 Goodell Street  
Buffalo, NY 14203

Attention: Mr. George Kisluk



Approved for release.  
Cheryl Cascella  
Data Review Analyst I  
11/29/2010 3:25 PM

---

Designee for  
Jackie Trudell  
Project Manager I  
jackie.trudell@testamericainc.com  
11/29/2010

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

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**Job Narrative**  
**220-13956-1**

**Comments**

No additional comments.

**Receipt**

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC).

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

**GC/MS VOA**

Method(s) 624: The matrix spike / matrix spike duplicate (MS/MSD) %RPD for batch 55467 could not be calculated for 2-Chloroethyl vinyl ether due to the sample preservation. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

Method(s) 8151A: Surrogate DCAA recovery for the following sample was outside the upper control limit on the secondary column: Eff1181001 (220-13956-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

Method(s) 1664A: Analysis for Hexane Extractable Material (HEM) was performed for the following sample: Eff1181001 (220-13956-1). Since the HEM result was below the reporting limit (RL), the result for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Eff1181001 (220-13956-3)

Method(s) 9040B, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Eff1181001 (220-13956-1)

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

## METHOD SUMMARY

Client: URS Corporation

Job Number: 220-13956-1

Description	Lab Location	Method	Preparation Method
<b>Matrix</b> <b>Water</b>			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Organochlorine Pesticides/PCBs in Water	TAL EDI	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		40CFR136A 608
Herbicides (GC)	TAL EDI	SW846 8151A	
Extraction (Herbicides)	TAL EDI		SW846 8151A
Metals (ICP)	TAL EDI	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.7
Mercury (CVAA)	TAL EDI	EPA 245.1	
Preparation, Mercury	TAL EDI		EPA 245.1
HEM and SGT-HEM	TAL CT	1664A 1664A	
Cyanide, Total	TAL EDI	MCAWW 335.4	
Distillation, Cyanide	TAL EDI		Distill/CN
Solids, Total Suspended (TSS)	TAL EDI	SM SM 2540D	
Chromium, Hexavalent	TAL CT	SM SM 3500 CR D	
pH	TAL CT	SM SM 4500 H+ B	
pH	TAL EDI	SM SM 4500 H+ B	

**Lab References:**

TAL CT = TestAmerica Connecticut

TAL EDI = TestAmerica Edison

**Method References:**

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

## METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 220-13956-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
40CFR136A 624	Moroney, Christopher J	CJM
40CFR136A 625	Shalayda, Monica	MS
40CFR136A 608	Kapoor, Sita	SK
SW846 8151A	Kapoor, Sita	SK
EPA 200.7 Rev 4.4	Chang, Churn Der	CDC
EPA 245.1	Staib, Thomas	TS
1664A 1664A	Keene, Angela H	AHK
MCAWW 335.4	Vu, Huan	HV
SM SM 2540D	Staib, Patricia L	PLS
SM SM 3500 CR D	Keene, Angela H	AHK
SM SM 4500 H+ B	Cabanganan, Maria	MB
SM SM 4500 H+ B	Keene, Angela H	AHK

## SAMPLE SUMMARY

Client: URS Corporation

Job Number: 220-13956-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
220-13956-1	Eff1181001	Water	11/08/2010 1500	11/09/2010 1020
220-13956-2TB	Trip Blank	Water	11/08/2010 1200	11/09/2010 1020
220-13956-3	Eff1181001	Water	11/11/2010 1400	11/12/2010 1000

## Analytical Data

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID:** Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

### 624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-55467	Instrument ID: VOAMS6
Preparation:	N/A		Lab File ID: f68104.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	11/12/2010 0904		Final Weight/Volume: 5 mL
Date Prepared:			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Xylenes, Total	3.0	U	0.43	3.0
Acrolein	4.0	U	1.9	4.0
Acrylonitrile	2.0	U	0.30	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 122
Toluene-d8 (Surr)	98		69 - 125
4-Bromofluorobenzene	97		69 - 135

## Analytical Data

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID:** Trip Blank

Lab Sample ID: 220-13956-2TB

Date Sampled: 11/08/2010 1200

Client Matrix: Water

Date Received: 11/09/2010 1020

### 624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-55467	Instrument ID: VOAMS6
Preparation:	N/A		Lab File ID: f68103.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	11/12/2010 0842		Final Weight/Volume: 5 mL
Date Prepared:			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Xylenes, Total	3.0	U	0.43	3.0
Acrolein	4.0	U	1.9	4.0
Acrylonitrile	2.0	U	0.30	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 122
Toluene-d8 (Surr)	99		69 - 125
4-Bromofluorobenzene	97		69 - 135

## Analytical Data

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID:** Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

### 625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-55508	Instrument ID: BNAMS6
Preparation:	625	Prep Batch: 460-55163	Lab File ID: m49353.d
Dilution:	1.0		Initial Weight/Volume: 990 mL
Date Analyzed:	11/11/2010 1228		Final Weight/Volume: 2 mL
Date Prepared:	11/10/2010 0720		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.90	10
2-Chlorophenol	10	U	2.6	10
2-Nitrophenol	10	U	3.4	10
2,4-Dimethylphenol	10	U	2.5	10
2,4-Dichlorophenol	10	U	2.8	10
4-Chloro-3-methylphenol	10	U	2.0	10
2,4,6-Trichlorophenol	10	U	3.2	10
2,4,5-Trichlorophenol	10	U	2.5	10
2,4-Dinitrophenol	30	U	4.9	30
4-Nitrophenol	30	U	2.3	30
4,6-Dinitro-2-methylphenol	30	U	5.3	30
Pentachlorophenol	30	U	5.2	30
N-Nitrosodimethylamine	10	U	1.6	10
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
Acenaphthene	10	U	3.8	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Hexachlorobenzene	1.0	U	0.27	1.0
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Benzidine	10	U	3.8	10
Butyl benzyl phthalate	10	U	2.8	10

**Analytical Data**

Client: URS Corporation

Job Number: 220-13956-1

Client Sample ID: Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

**625 Semivolatile Organic Compounds (GC/MS)**

Method:	625	Analysis Batch: 460-55508	Instrument ID:	BNAMS6
Preparation:	625	Prep Batch: 460-55163	Lab File ID:	m49353.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	11/11/2010 1228		Final Weight/Volume:	2 mL
Date Prepared:	11/10/2010 0720		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
3,3'-Dichlorobenzidine	20	U	7.0	20
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
1,2-Diphenylhydrazine	10	U	4.3	10
2,2'-oxybis[1-chloropropane]	10	U	3.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		56 - 112
Phenol-d5	15		10 - 48
Terphenyl-d14	84		50 - 122
2-Fluorophenol	27		10 - 65
2,4,6-Tribromophenol	79		46 - 122
2-Fluorobiphenyl	85		53 - 108

**Analytical Data**

Client: URS Corporation

Job Number: 220-13956-1

Client Sample ID: Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-55526	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-55450	Initial Weight/Volume:	990 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	11/12/2010 1251		Injection Volume:	
Date Prepared:	11/11/2010 2206		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.020	U	0.010	0.020
alpha-BHC	0.020	U	0.0061	0.020
beta-BHC	0.020	U	0.010	0.020
delta-BHC	0.020	U	0.0071	0.020
gamma-BHC (Lindane)	0.020	U	0.0061	0.020
Chlordane	0.51	U	0.46	0.51
4,4'-DDD	0.040	U	0.021	0.040
4,4'-DDE	0.020	U	0.010	0.020
4,4'-DDT	0.020	U	0.011	0.020
Dieldrin	0.020	U	0.0061	0.020
Endosulfan I	0.020	U	0.0071	0.020
Endosulfan II	0.020	U	0.0071	0.020
Endosulfan sulfate	0.020	U	0.0081	0.020
Endrin	0.020	U	0.0071	0.020
Endrin aldehyde	0.020	U	0.010	0.020
Endrin ketone	0.020	U	0.017	0.020
Heptachlor	0.020	U	0.0061	0.020
Heptachlor epoxide	0.020	U	0.0061	0.020
Methoxychlor	0.020	U	0.014	0.020
Toxaphene	1.0	U	0.52	1.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene	113		38 - 138	
DCB Decachlorobiphenyl	130		17 - 152	

**Analytical Data**

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID:** Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

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**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-55526	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-55450	Initial Weight/Volume:	990 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	11/12/2010 1251		Injection Volume:	
Date Prepared:	11/11/2010 2206		Result Type:	SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		38 - 138
DCB Decachlorobiphenyl	107		17 - 152

Analytical Data

Client: URS Corporation

Job Number: 220-13956-1

Client Sample ID: Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

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8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 460-55723	Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-55602	Initial Weight/Volume:	900 mL
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	11/15/2010 1131		Injection Volume:	
Date Prepared:	11/13/2010 0244		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	0.56	U	0.12	0.56
Dicamba	0.56	U	0.13	0.56
Dichlorprop	0.56	U	0.11	0.56
2,4-D	0.56	U	0.11	0.56
2,4-DB	0.56	U	0.14	0.56
Silvex (2,4,5-TP)	0.56	U	0.10	0.56
2,4,5-T	0.56	U	0.13	0.56
Dinoseb	0.56	U	0.13	0.56
MCPA	56	U	18	56
Mecoprop	56	U	24	56

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	154	*	63 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID: Eff1181001**

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

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**8151A Herbicides (GC)**

Method:	8151A	Analysis Batch: 460-55723	Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-55602	Initial Weight/Volume:	900 mL
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	11/15/2010 1131		Injection Volume:	
Date Prepared:	11/13/2010 0244		Result Type:	SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	136		63 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 220-13956-1

**Client Sample ID: Eff1181001**

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

**200.7 Rev 4.4 Metals (ICP)-Total Recoverable**

Method:	200.7 Rev 4.4	Analysis Batch: 460-55454	Instrument ID:	ICP4
Preparation:	200.7	Prep Batch: 460-55352	Lab File ID:	11122010.asc
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	11/11/2010 2254		Final Weight/Volume:	100 mL
Date Prepared:	11/11/2010 1137			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.0	J	3.0	5.0
Barium	179	J	4.0	200
Cadmium	5.0	U	0.96	5.0
Chromium	10.0	U	3.2	10.0
Copper	25.0	U	4.3	25.0
Iron	5630		47.1	150
Lead	3.0	J	2.8	5.0
Manganese	1080		2.8	15.0
Nickel	40.0	U	4.1	40.0
Zinc	30.0	U	5.7	30.0
Silver	10.0	U	0.64	10.0

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 460-55278	Instrument ID:	LEEMAN5
Preparation:	245.1	Prep Batch: 460-55254	Lab File ID:	111010.PRN
Dilution:	1.0		Initial Weight/Volume:	30 mL
Date Analyzed:	11/10/2010 2019		Final Weight/Volume:	30 mL
Date Prepared:	11/10/2010 1730			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.18	0.20

Client: URS Corporation

Job Number: 220-13956-1

General Chemistry

Client Sample ID: Eff1181001

Lab Sample ID: 220-13956-1

Date Sampled: 11/08/2010 1500

Client Matrix: Water

Date Received: 11/09/2010 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	5.0	U	mg/L	1.7	5.0	1.0	1664A
Analysis Batch: 220-44939		Date Analyzed: 11/10/2010 1755					
Cyanide, Total	69.9		ug/L	6.3	10.0	1.0	335.4
Analysis Batch: 460-55524		Date Analyzed: 11/12/2010 1257					
Prep Batch: 460-55478		Date Prepared: 11/12/2010 0928					
Analyte	Result	Qual	Units			Dil	Method
pH	7.50	HF	SU			1.0	SM 4500 H+ B
Analysis Batch: 460-55376		Date Analyzed: 11/11/2010 1056					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	10.0	U	mg/L	10.0	10.0	1.0	SM 2540D
Analysis Batch: 460-55311		Date Analyzed: 11/11/2010 0712					

Client: URS Corporation

Job Number: 220-13956-1

---

General Chemistry

Client Sample ID: Eff1181001

Lab Sample ID: 220-13956-3

Date Sampled: 11/11/2010 1400

Client Matrix: Water

Date Received: 11/12/2010 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.0035	J	mg/L	0.0026	0.010	1.0	SM 3500 CR
Analysis Batch: 220-45021		Date Analyzed: 11/12/2010 1310					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.02	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 220-45108		Date Analyzed: 11/15/2010 1506					

## DATA REPORTING QUALIFIERS

Client: URS Corporation

Job Number: 220-13956-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS VOA	U	Analyzed for but not detected.
GC/MS Semi VOA	U	Analyzed for but not detected.
GC Semi VOA	*	Surrogate exceeds the control limit
	U	Analyzed for but not detected.
Metals	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

# TestAmerica

13956

Continued

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

TAL-4124 (1007)  
 Client: **NYSEG**  
 Address: **101 Esty St**  
 City: **Ithaca** State: **NY** Zip Code: **14850**  
 Project Name and Location (State): **Ithaca Court St**  
 Contract/Purchase Order/Quote No.: **SHAW Conway**

Project Manager: **JACKIE TRUDILL**  
 Telephone Number (Area Code)/Fax Number: \_\_\_\_\_  
 Site Contact: \_\_\_\_\_  
 Carrier/Maybill Number: \_\_\_\_\_  
 Lab Contact: \_\_\_\_\_  
 Date: **11-11-10**  
 Lab Number: \_\_\_\_\_  
 Page: **1** of \_\_\_\_\_

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives															
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH										
<b>EFF 1181001</b>	<b>11-11-10</b>	<b>2:00</b>																			

Special Instructions/  
Conditions of Receipt

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)

QC Requirements (Specify)

Turn Around Time Required  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other \_\_\_\_\_

1. Relinquished By: **[Signature]** Date: **11-11-10** Time: **4:00**  
 2. Relinquished By: **[Signature]** Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **0.80c probe** **PASSED RAD SCREEN**

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-13956-1

**Login Number: 13956**  
**Creator: Retana, Camille**  
**List Number: 2**

**List Source: TestAmerica Connecticut**

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	RECVD 11/10/10
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	1.9C, 2.4C, 1.1C, 0.8C GUN3
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	N/A	
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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-13956-1

**Login Number: 13956**

**List Source: TestAmerica Connecticut**

**Creator: Blocker, Kristina**

**List Number: 3**

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	Recvd. 11/12/10, sample#3
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	0.8c
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	N/A	
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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-13956-1

**Login Number: 13956**  
**Creator: Williams, Kenwyn**  
**List Number: 1**

**List Source: TestAmerica Edison**  
**List Creation: 11/10/10 11:19 AM**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	IR#-40 5.9°C
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-13956-1

**Login Number: 13956**  
**Creator: Williams, Kenwyn**  
**List Number: 2**

**List Source: TestAmerica Edison**  
**List Creation: 11/12/10 01:19 PM**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	5.4°C IR#-40
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica Connecticut  
 128 Long Hill Cross Road  
 Shelton, CT 06484  
 Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica  
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COC Number: 16319

Client Contact: *NYSC*  
 Company: *AMS Corp*  
 Address: *4 77 Goodell St*  
 City, State, Zip: *Burlington NJ 07223*  
 Phone:   
 Email:   
 Project Name/ Site Location (State):   
 Project #:   
 SSOW#:   
 Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

Field Sampler: *Sharon Conway*  
 Mobile/Field Number: *716-361-9678*  
 E-Mail:   
 TAT Required (business days):   
 Deliverable Type (Report/EDD):   
 Sample Disposal:  Return to Client  
 Disposal by Lab  
 Archive for \_\_\_ Months  
 (A fee may be assessed if samples are retained for longer than 1 month)

Lab PWT Contact: *MaRie Trudell*  
 Lab Job Number (Lab Use Only):   
 Passed Rad Screen (Lab Use Only):  Yes  No  
 Cooler Temperatures (Lab Use Only):   
 Analysis (Attach list if more space is needed)

Carrier Tracking Notes:   
 Page 1 of 1  
 220-13954

TA #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/MSD (Yes or No)	No. of Containers/Preservatives						Other	Comments
						Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH		
	<i>EF 1181001</i>	<i>11-8-10</i>	<i>3:00pm</i>	<i>W</i>		<i>2</i>	<i>1</i>	<i>3</i>	<i>1</i>		<i>Oil and Grease PH, Hexachlor Total suspended Solids Pesticides Herbicides SVOC, Cyanide Metals</i>	<i>1</i>	
	<i>TB</i>											<i>2</i>	
	<i>7 in cooler water</i>												
	<i>COC CM 11/9/10</i>												

Relinquished by: *[Signature]* Date/Time: *11-8-10 4:00pm* Company:   
 Relinquished by: *[Signature]* Date/Time: *11/9/10 10:20* Company:   
 Relinquished by: *[Signature]* Date/Time:   
 Company:   
 Comments: *5.90C 10#43*

## ANALYTICAL REPORT

Job Number: 220-14243-1

Job Description: Ithaca Court Street Former MGP Site

For:

URS Corporation  
77 Goodell Street  
Buffalo, NY 14203

Attention: Mr. George Kisluk



Approved for release.  
Jill M Duhancik  
Customer Service Manager  
12/10/2010 4:44 PM

---

Designee for  
Jackie Trudell  
Project Manager I  
jackie.trudell@testamericainc.com  
12/10/2010

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

**TestAmerica Laboratories, Inc.**

TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484  
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**Job Narrative**  
**220-14243-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 624: The matrix spike / matrix spike duplicate (MS/MSD) precision for 2-Chloroethylvinyl ether was outside control limits in batch 58261, this compound does not recover well due to sample preservation.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 625: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 58133 exceeded control limits for the following analytes: Benzidine.

No other analytical or quality issues were noted.

**GC Semi VOA**

Method(s) 8151A: The continuing calibration verification (CCVRT) for 58237 recovered above the upper control limit on the primary & secondary column for surrogate DCAA. The samples associated with this CCV were non-detects; therefore, the data have been reported.

Method(s) 8151A: The closing calibration verification (CCV) for 58237 recovered above the upper control limit on the secondary column for surrogate DCAA. The samples associated with this CCVRT were non-detects; therefore, the data have been reported.

No other analytical or quality issues were noted.

**Metals**

Method(s) 200.7 Rev 4.4: Due to the high concentration of Iron, the matrix spike (MS) for batch 58214 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

**General Chemistry**

Method(s) 1664A: Analysis for Hexane Extractable Material (HEM) was performed for the following sample: EFF 1261002 (220-14243-1). Since the HEM result was below the reporting limit (RL), the result for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method(s) 9040B, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFF 1261002 (220-14243-1)

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

## METHOD SUMMARY

Client: URS Corporation

Job Number: 220-14243-1

Description	Lab Location	Method	Preparation Method
<b>Matrix</b> <b>Water</b>			
HEM and SGT-HEM	TAL CT	1664A 1664A	
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Organochlorine Pesticides/PCBs in Water	TAL EDI	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		40CFR136A 608
Herbicides (GC)	TAL EDI	SW846 8151A	
Extraction (Herbicides)	TAL EDI		SW846 8151A
Metals (ICP)	TAL EDI	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.7
Mercury (CVAA)	TAL EDI	EPA 245.1	
Preparation, Mercury	TAL EDI		EPA 245.1
Cyanide, Total	TAL EDI	MCAWW 335.4	
Distillation, Cyanide	TAL EDI		Distill/CN
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Solids, Total Suspended (TSS)	TAL EDI	SM SM 2540D	
pH	TAL EDI	SM SM 4500 H+ B	

**Lab References:**

TAL CT = TestAmerica Connecticut

TAL EDI = TestAmerica Edison

**Method References:**

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

## METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 220-14243-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
40CFR136A 624	Del Polito, Vita	VD
40CFR136A 625	Zhao, Chunxin	CZ
40CFR136A 608	Kapoor, Sita	SK
SW846 8151A	Kapoor, Sita	SK
EPA 200.7 Rev 4.4	Chang, Churn Der	CDC
EPA 245.1	Sheikh, Razia B	RBS
1664A 1664A	Tillotson, Ray	RT
MCAWW 335.4	Parillo, Jasmine	JP
SW846 7196A	Carlone, John	JC
SM SM 2540D	Vu, Huan	HV
SM SM 4500 H+ B	Cabanganan, Maria	MB

## SAMPLE SUMMARY

Client: URS Corporation

Job Number: 220-14243-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
220-14243-1	EFF 1261002	Water	12/06/2010 1630	12/07/2010 1030

## Analytical Data

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID:** EFF 1261002

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

### 624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-58261	Instrument ID: VOAMS3
Preparation:	N/A		Lab File ID: c53106.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	12/10/2010 1255		Final Weight/Volume: 5 mL
Date Prepared:			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Xylenes, Total	3.0	U	0.43	3.0
Acrolein	4.0	U	1.9	4.0
Acrylonitrile	2.0	U	0.30	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 122
Toluene-d8 (Surr)	99		69 - 125
4-Bromofluorobenzene	99		69 - 135

## Analytical Data

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID:** EFF 1261002

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

### 625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-58204	Instrument ID: BNAMS6
Preparation:	625	Prep Batch: 460-58133	Lab File ID: m50057.d
Dilution:	1.0		Initial Weight/Volume: 920 mL
Date Analyzed:	12/10/2010 1301		Final Weight/Volume: 2 mL
Date Prepared:	12/10/2010 0244		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	11	U	0.97	11
2-Chlorophenol	11	U	2.8	11
2-Nitrophenol	11	U	3.7	11
2,4-Dimethylphenol	11	U	2.7	11
2,4-Dichlorophenol	11	U	3.0	11
4-Chloro-3-methylphenol	11	U	2.2	11
2,4,6-Trichlorophenol	11	U	3.4	11
2,4,5-Trichlorophenol	11	U	2.7	11
2,4-Dinitrophenol	33	U	5.2	33
4-Nitrophenol	33	U	2.5	33
4,6-Dinitro-2-methylphenol	33	U	5.7	33
Pentachlorophenol	33	U	5.5	33
N-Nitrosodimethylamine	11	U	1.7	11
Bis(2-chloroethyl)ether	1.1	U	0.45	1.1
1,3-Dichlorobenzene	11	U	4.1	11
1,4-Dichlorobenzene	11	U	3.9	11
1,2-Dichlorobenzene	11	U	4.1	11
N-Nitrosodi-n-propylamine	1.1	U	0.35	1.1
Hexachloroethane	1.1	U	0.54	1.1
Nitrobenzene	1.1	U	0.45	1.1
Isophorone	11	U	3.9	11
Bis(2-chloroethoxy)methane	11	U	3.8	11
1,2,4-Trichlorobenzene	1.1	U	0.57	1.1
Naphthalene	11	U	4.0	11
4-Chloroaniline	11	U	2.3	11
Hexachlorobutadiene	2.2	U	1.0	2.2
Hexachlorocyclopentadiene	11	U	5.0	11
2-Chloronaphthalene	11	U	4.1	11
Dimethyl phthalate	11	U	3.5	11
Acenaphthylene	11	U	4.4	11
2,6-Dinitrotoluene	2.2	U	0.64	2.2
Acenaphthene	11	U	4.1	11
2,4-Dinitrotoluene	2.2	U	0.47	2.2
Diethyl phthalate	11	U	4.2	11
4-Chlorophenyl phenyl ether	11	U	4.3	11
Fluorene	11	U	3.5	11
N-Nitrosodiphenylamine	11	U	4.2	11
4-Bromophenyl phenyl ether	11	U	4.3	11
Hexachlorobenzene	1.1	U	0.29	1.1
Phenanthrene	11	U	3.9	11
Anthracene	11	U	3.9	11
Di-n-butyl phthalate	11	U	3.0	11
Fluoranthene	11	U	2.9	11
Pyrene	11	U	4.6	11
Benzidine	11	U*	4.1	11
Butyl benzyl phthalate	11	U	3.0	11

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

Client Sample ID: **EFF 1261002**

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

**625 Semivolatile Organic Compounds (GC/MS)**

Method:	625	Analysis Batch: 460-58204	Instrument ID:	BNAMS6
Preparation:	625	Prep Batch: 460-58133	Lab File ID:	m50057.d
Dilution:	1.0		Initial Weight/Volume:	920 mL
Date Analyzed:	12/10/2010 1301		Final Weight/Volume:	2 mL
Date Prepared:	12/10/2010 0244		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
3,3'-Dichlorobenzidine	22	U	7.6	22
Benzo[a]anthracene	1.1	U	0.29	1.1
Chrysene	11	U	4.1	11
Bis(2-ethylhexyl) phthalate	11	U	2.6	11
Di-n-octyl phthalate	11	U	2.1	11
Benzo[b]fluoranthene	1.1	U	0.23	1.1
Benzo[k]fluoranthene	1.1	U	0.33	1.1
Benzo[a]pyrene	1.1	U	0.20	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.13	1.1
Dibenz(a,h)anthracene	1.1	U	0.17	1.1
Benzo[g,h,i]perylene	11	U	3.0	11
1,2-Diphenylhydrazine	11	U	4.6	11
2,2'-oxybis[1-chloropropane]	11	U	3.5	11

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		56 - 112
Phenol-d5	19		10 - 48
Terphenyl-d14	106		50 - 122
2-Fluorophenol	31		10 - 65
2,4,6-Tribromophenol	86		46 - 122
2-Fluorobiphenyl	92		53 - 108

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID: EFF 1261002**

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-58225	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-58149	Initial Weight/Volume:	920 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	12/10/2010 0755		Injection Volume:	
Date Prepared:	12/09/2010 2200		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.022	U	0.011	0.022
alpha-BHC	0.022	U	0.0065	0.022
beta-BHC	0.022	U	0.011	0.022
delta-BHC	0.022	U	0.0076	0.022
gamma-BHC (Lindane)	0.022	U	0.0065	0.022
Chlordane	0.54	U	0.50	0.54
4,4'-DDD	0.043	U	0.023	0.043
4,4'-DDE	0.022	U	0.011	0.022
4,4'-DDT	0.022	U	0.012	0.022
Dieldrin	0.022	U	0.0065	0.022
Endosulfan I	0.022	U	0.0076	0.022
Endosulfan II	0.022	U	0.0076	0.022
Endosulfan sulfate	0.022	U	0.0087	0.022
Endrin	0.022	U	0.0076	0.022
Endrin aldehyde	0.022	U	0.011	0.022
Endrin ketone	0.022	U	0.018	0.022
Heptachlor	0.022	U	0.0065	0.022
Heptachlor epoxide	0.022	U	0.0065	0.022
Methoxychlor	0.022	U	0.015	0.022
Toxaphene	1.1	U	0.55	1.1
Surrogate	%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene	121		38 - 138	
DCB Decachlorobiphenyl	111		17 - 152	

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID: EFF 1261002**

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

---

**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-58225	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-58149	Initial Weight/Volume:	920 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	12/10/2010 0755		Injection Volume:	
Date Prepared:	12/09/2010 2200		Result Type:	SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		38 - 138
DCB Decachlorobiphenyl	109		17 - 152

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

Client Sample ID: EFF 1261002

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

---

**8151A Herbicides (GC)**

Method:	8151A	Analysis Batch: 460-58237	Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-58171	Initial Weight/Volume:	960 mL
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	12/10/2010 0835		Injection Volume:	
Date Prepared:	12/09/2010 2026		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	0.52	U	0.11	0.52
Dicamba	0.52	U	0.12	0.52
Dichlorprop	0.52	U	0.10	0.52
2,4-D	0.52	U	0.10	0.52
2,4-DB	0.52	U	0.14	0.52
Silvex (2,4,5-TP)	0.52	U	0.094	0.52
2,4,5-T	0.52	U	0.12	0.52
Dinoseb	0.52	U	0.12	0.52
MCPA	52	U	17	52
Mecoprop	52	U	23	52

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	136		63 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID: EFF 1261002**

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

---

**8151A Herbicides (GC)**

Method: 8151A

Analysis Batch: 460-58237

Instrument ID: PESTGC3

Preparation: 8151A

Prep Batch: 460-58171

Initial Weight/Volume: 960 mL

Dilution: 1.0

Final Weight/Volume: 10 mL

Date Analyzed: 12/10/2010 0835

Injection Volume:

Date Prepared: 12/09/2010 2026

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	126		63 - 150

---

**Analytical Data**

Client: URS Corporation

Job Number: 220-14243-1

**Client Sample ID: EFF 1261002**

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

**200.7 Rev 4.4 Metals (ICP)-Total Recoverable**

Method: 200.7 Rev 4.4

Analysis Batch: 460-58277

Instrument ID: ICP4

Preparation: 200.7

Prep Batch: 460-58214

Lab File ID: 12102010B.asc

Dilution: 1.0

Initial Weight/Volume: 100 mL

Date Analyzed: 12/10/2010 1517

Final Weight/Volume: 100 mL

Date Prepared: 12/10/2010 1312

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.0	U	3.0	5.0
Barium	172	J	4.0	200
Cadmium	5.0	U	0.96	5.0
Chromium	10.0	U	3.2	10.0
Copper	25.0	U	4.3	25.0
Iron	2010		47.1	150
Lead	5.0	U	2.8	5.0
Manganese	1060		2.8	15.0
Nickel	40.0	U	4.1	40.0
Zinc	30.0	U	5.7	30.0
Silver	10.0	U	0.64	10.0

**245.1 Mercury (CVAA)**

Method: 245.1

Analysis Batch: 460-58275

Instrument ID: LEEMAN3

Preparation: 245.1

Prep Batch: 460-58255

Lab File ID: 58255hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Date Analyzed: 12/10/2010 1516

Final Weight/Volume: 30 mL

Date Prepared: 12/10/2010 1317

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.18	0.20

Client: URS Corporation

Job Number: 220-14243-1

General Chemistry

Client Sample ID: EFF 1261002

Lab Sample ID: 220-14243-1

Date Sampled: 12/06/2010 1630

Client Matrix: Water

Date Received: 12/07/2010 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	5.0	U	mg/L	1.7	5.0	1.0	1664A
	Analysis Batch: 220-46024		Date Analyzed: 12/09/2010 1500				
Cyanide, Total	71.0		ug/L	6.3	10.0	1.0	335.4
	Analysis Batch: 460-58280		Date Analyzed: 12/10/2010 1600				
	Prep Batch: 460-58249		Date Prepared: 12/10/2010 1252				
Cr (VI)	10.0	U	ug/L	1.5	10.0	1.0	7196A
	Analysis Batch: 460-57802		Date Analyzed: 12/07/2010 1533				
Analyte	Result	Qual	Units			Dil	Method
pH	7.77	HF	SU			1.0	SM 4500 H+ B
	Analysis Batch: 460-58260		Date Analyzed: 12/10/2010 1318				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	10.0	U	mg/L	10.0	10.0	1.0	SM 2540D
	Analysis Batch: 460-58257		Date Analyzed: 12/10/2010 1230				

## DATA REPORTING QUALIFIERS

Client: URS Corporation

Job Number: 220-14243-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS VOA	U	Analyzed for but not detected.
GC/MS Semi VOA	*	RPD of the LCS and LCSD exceeds the control limits
	U	Analyzed for but not detected.
GC Semi VOA	U	Analyzed for but not detected.
Metals	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.



## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14243-1

**Login Number: 14243**

**List Source: TestAmerica Connecticut**

**Creator: Blocker, Kristina**

**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	Recvd. @ TA Edison
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	5.3c
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14243-1

**Login Number: 14243**  
**Creator: Retana, Camille**  
**List Number: 1**

**List Source: TestAmerica Edison**  
**List Creation: 12/10/10 11:14 AM**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	5.3°C IR # 50
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

# CHAIN OF CUSTODY RECORD

PROJECT NO:

1176093.00000

SITE NAME

ITHA CA  
COUNT ST

SAMPLERS (PRINT/SIGNATURE)

Shawn Conway

8719 5016 2766

DELIVERY SERVICE: FedEx

AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLEID	MATRIX	TOTAL NO.# OF CONTAINERS
FFF	12-6-10	4:30	CM	FFF 1261002	W	2
7B3	10/29/10			7B3		1

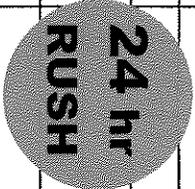
TESTS

Oil gauge
pH
Hexachlorum
TOTAL suspended solids
pesticides
Herbicides
BVOC
Cyanide
metals

LAB TEST America  
COOLER 1 of 1  
PAGE 1 of 1



REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)



AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
SE - SEDIMENT	WF - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD OC	

SAMPLE TYPE CODES	TS# - TRIP BLANK	FR# - RINSE BLANK	MS# - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS  
pm Jackie Trudell  
29 TAT  
C.S.F. 237197

Distribution: Original accompanies shipment, copy to coordinator field files

5.30

Job # 220-14243

237188

# FedEx Express US Airbill

8714 5016 2766

0200

Form ID No.

FedEx Retrieval Copy

1 From Date 12-6-2010 Sender's FedEx Account Number 103686380

Sender's Name Sharon Conway Phone 711 2611678

Company GIS Corp

Address 101 Spring City St

City THORN State NY ZIP 14850

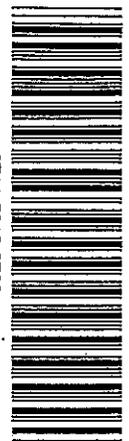
2 Your Internal Billing Reference 1176093.0000

3 To Recipient's Name Castadori Phone \_\_\_\_\_

Company Test America  HOLD Weekday  HOLD Saturday

Address 777 New Durham Rd  FedEx Next Business Day  FedEx Next Overnight

Address On Edison State NY ZIP 14817



4a Express Package Service

FedEx Priority Overnight  FedEx Standard Overnight  FedEx First Overnight

FedEx 2Day  FedEx Express Saver

4b Express Freight Service

FedEx 1Day Freight

FedEx 2Day Freight

FedEx 3Day Freight

FedEx 4Day Freight

5 Packaging

FedEx Envelope

FedEx Pak

FedEx Box

FedEx Tube

6 Special Handling and Delivery Signature Options

No Signature Required

Direct Signature

Indirect Signature

Signature Required

Signature Required (Signature Required)

7 Payment Bill to:  Sender  Recipient  Third Party  Credit Card  Cash/Check

Total Packages 1 Total Weight 4.0 lbs

554

8714 5016 2766

fedex.com 1800.GoFedEx 1800.463.3339

Page 21 of 21

12/10/2010

FedEx Retrieval Copy

Form ID No.

Packages up to 150 lbs.

Packages over 150 lbs.

## ANALYTICAL REPORT

Job Number: 220-14410-2

Job Description: Ithaca Court Street Former MGP Site

For:

URS Corporation  
77 Goodell Street  
Buffalo, NY 14203

Attention: Mr. George Kisluk



Approved for release.  
Cheryl Cascella  
Project Mgmt. Assistant  
1/12/2011 10:52 PM

---

Designee for  
Jackie Trudell  
Project Manager I  
jackie.trudell@testamericainc.com  
01/12/2011

cc: Mr. Shawn Conway

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

**TestAmerica Laboratories, Inc.**

TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484

Tel (203) 929-8140 Fax (203) 929-8142 [www.testamericainc.com](http://www.testamericainc.com)



Job Number: 220-14410-2

Job Description: Ithaca Court Street Former MGP Site

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.  
Cheryl Casella  
Project Mgmt. Assistant  
1/12/2011 10:52 PM

---

Designee for  
Jackie Trudell

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**Job Narrative**  
**220-14410-2**

**Comments**

No additional comments.

**Receipt**

The following sample(s) was activated for SVOC analysis by the client on 1/3/2011. EFF12201003 (220-14410-5). This analysis was not originally requested on the chain-of-custody (COC). At time of activation, sample was out of hold, and client instructed lab to proceed with analysis.

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

**GC/MS VOA**

Method(s) 624: The matrix spike / matrix spike duplicate (MS/MSD) %RPD for batch 59709 could not be calculated for 2-Chloroethyl vinyl ether due to the sample preservation. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

Method(s) 608: The continuing calibration verification (CCVRT) for 60068 recovered above the upper control limit on the primary column for gamma-BHC. The samples associated with this CCVRT were non-detects for the affected analyte; therefore, the data have been reported.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

Method(s) 1664A: Analysis for Hexane Extractable Material (HEM) was performed for the following sample: EFF12201003 (220-14410-5). Since the HEM result was below the reporting limit (RL), the result for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method(s) 335.4: The matrix spike(MS) recovery for batch QC for total cyanide was outside control limits. A PDS was run which met acceptance criteria.

Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFF12201003 (220-14410-5)

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 220-14410-2

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
220-14410-5	EFF12201003				
Barium		157	5.0	ug/L	200.7 Rev 4.4
Copper		2.8 J	10.0	ug/L	200.7 Rev 4.4
Iron		1710	125	ug/L	200.7 Rev 4.4
Manganese		874	8.0	ug/L	200.7 Rev 4.4
Nickel		1.3 J	5.0	ug/L	200.7 Rev 4.4
Cyanide, Total		47.3	10.0	ug/L	335.4
Total Suspended Solids		64.0	5.0	mg/L	SM 2540D
pH		7.35 HF	0.100	SU	SM 4500 H+ B

## METHOD SUMMARY

Client: URS Corporation

Job Number: 220-14410-2

Description	Lab Location	Method	Preparation Method
<b>Matrix</b> <b>Water</b>			
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Mercury (CVAA)	TAL CT	EPA 245.1	
Preparation, Mercury	TAL CT		EPA 245.1
HEM and SGT-HEM	TAL CT	1664A 1664A	
Cyanide, Total	TAL CT	MCAWW 335.4	
Distillation, Cyanide	TAL CT		Distill/CN
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Chromium, Hexavalent	TAL CT	SM SM 3500 CR D	
pH	TAL CT	SM SM 4500 H+ B	
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Organochlorine Pesticides/PCBs in Water	TAL EDI	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		40CFR136A 608
Herbicides (GC)	TAL EDI	SW846 8151A	
Extraction (Herbicides)	TAL EDI		SW846 8151A

**Lab References:**

TAL CT = TestAmerica Connecticut

TAL EDI = TestAmerica Edison

**Method References:**

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

## METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 220-14410-2

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
40CFR136A 624	Moroney, Christopher J	CJM
40CFR136A 625	Shalayda, Monica	MS
40CFR136A 608	Kapoor, Sita	SK
SW846 8151A	Kapoor, Sita	SK
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
EPA 245.1	Voytek, Joseph F	JFV
1664A 1664A	Tillotson, Ray	RT
MCAWW 335.4	Natoli, Richard A	RN
SM SM 2540D	Bouthot, Agnieszka	AB
SM SM 3500 CR D	Mendoza, Julia	JM
SM SM 4500 H+ B	Keene, Angela H	AHK

## SAMPLE SUMMARY

Client: URS Corporation

Job Number: 220-14410-2

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
220-14410-5	EFF12201003	Water	12/20/2010 1630	12/21/2010 1044

# **SAMPLE RESULTS**

## Analytical Data

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID:** EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

### 624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-59709	Instrument ID: VOAMS6
Preparation:	N/A		Lab File ID: f69630.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	12/23/2010 1827		Final Weight/Volume: 5 mL
Date Prepared:			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Xylenes, Total	3.0	U	0.43	3.0
Acrolein	4.0	U	1.9	4.0
Acrylonitrile	2.0	U	0.30	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 122
Toluene-d8 (Surr)	94		69 - 125
4-Bromofluorobenzene	103		69 - 135

## Analytical Data

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID:** EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

### 625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-60808	Instrument ID: BNAMS6
Preparation:	625	Prep Batch: 460-60756	Lab File ID: m50478.d
Dilution:	1.0		Initial Weight/Volume: 990 mL
Date Analyzed:	01/06/2011 2203		Final Weight/Volume: 2 mL
Date Prepared:	01/06/2011 0856		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	UH	0.90	10
2-Chlorophenol	10	UH	2.6	10
2-Nitrophenol	10	UH	3.4	10
2,4-Dimethylphenol	10	UH	2.5	10
2,4-Dichlorophenol	10	UH	2.8	10
4-Chloro-3-methylphenol	10	UH	2.0	10
2,4,6-Trichlorophenol	10	UH	3.2	10
2,4,5-Trichlorophenol	10	UH	2.5	10
2,4-Dinitrophenol	30	UH	4.9	30
4-Nitrophenol	30	UH	2.3	30
4,6-Dinitro-2-methylphenol	30	UH	5.3	30
Pentachlorophenol	30	UH	5.2	30
N-Nitrosodimethylamine	10	UH	1.6	10
Bis(2-chloroethyl)ether	1.0	UH	0.41	1.0
1,3-Dichlorobenzene	10	UH	3.8	10
1,4-Dichlorobenzene	10	UH	3.6	10
1,2-Dichlorobenzene	10	UH	3.8	10
N-Nitrosodi-n-propylamine	1.0	UH	0.32	1.0
Hexachloroethane	1.0	UH	0.51	1.0
Nitrobenzene	1.0	UH	0.41	1.0
Isophorone	10	UH	3.6	10
Bis(2-chloroethoxy)methane	10	UH	3.5	10
1,2,4-Trichlorobenzene	1.0	UH	0.53	1.0
Naphthalene	10	UH	3.7	10
4-Chloroaniline	10	UH	2.1	10
Hexachlorobutadiene	2.0	UH	0.95	2.0
Hexachlorocyclopentadiene	10	UH	4.6	10
2-Chloronaphthalene	10	UH	3.8	10
Dimethyl phthalate	10	UH	3.3	10
Acenaphthylene	10	UH	4.1	10
2,6-Dinitrotoluene	2.0	UH	0.60	2.0
Acenaphthene	10	UH	3.8	10
2,4-Dinitrotoluene	2.0	UH	0.43	2.0
Diethyl phthalate	10	UH	3.9	10
4-Chlorophenyl phenyl ether	10	UH	4.0	10
Fluorene	10	UH	3.3	10
N-Nitrosodiphenylamine	10	UH	3.9	10
4-Bromophenyl phenyl ether	10	UH	4.0	10
Hexachlorobenzene	1.0	UH	0.27	1.0
Phenanthrene	10	UH	3.6	10
Anthracene	10	UH	3.6	10
Di-n-butyl phthalate	10	UH	2.8	10
Fluoranthene	10	UH	2.7	10
Pyrene	10	UH	4.3	10
Benzidine	10	UH *	3.8	10
Butyl benzyl phthalate	10	UH	2.8	10

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID: EFF12201003**

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

**625 Semivolatile Organic Compounds (GC/MS)**

Method:	625	Analysis Batch: 460-60808	Instrument ID:	BNAMS6
Preparation:	625	Prep Batch: 460-60756	Lab File ID:	m50478.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	01/06/2011 2203		Final Weight/Volume:	2 mL
Date Prepared:	01/06/2011 0856		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
3,3'-Dichlorobenzidine	20	U H	7.0	20
Benzo[a]anthracene	1.0	U H	0.27	1.0
Chrysene	10	U H	3.8	10
Bis(2-ethylhexyl) phthalate	10	U H	2.4	10
Di-n-octyl phthalate	10	U H	1.9	10
Benzo[b]fluoranthene	1.0	U H	0.21	1.0
Benzo[k]fluoranthene	1.0	U H	0.30	1.0
Benzo[a]pyrene	1.0	U H	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U H	0.12	1.0
Dibenz(a,h)anthracene	1.0	U H	0.16	1.0
Benzo[g,h,i]perylene	10	U H	2.7	10
1,2-Diphenylhydrazine	10	U H	4.3	10
2,2'-oxybis[1-chloropropane]	10	U H	3.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	78		56 - 112
Phenol-d5	14		10 - 48
Terphenyl-d14	120		50 - 122
2-Fluorophenol	20		10 - 65
2,4,6-Tribromophenol	83		46 - 122
2-Fluorobiphenyl	77		53 - 108

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

Client Sample ID: EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-60068	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-59948	Initial Weight/Volume:	1000 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	12/29/2010 0712		Injection Volume:	
Date Prepared:	12/28/2010 1258		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.020	U H	0.010	0.020
alpha-BHC	0.020	U H	0.0060	0.020
beta-BHC	0.020	U H	0.010	0.020
delta-BHC	0.020	U H	0.0070	0.020
gamma-BHC (Lindane)	0.020	U H	0.0060	0.020
Chlordane	0.50	U H	0.46	0.50
4,4'-DDD	0.040	U H	0.021	0.040
4,4'-DDE	0.020	U H	0.010	0.020
4,4'-DDT	0.020	U H	0.011	0.020
Dieldrin	0.020	U H	0.0060	0.020
Endosulfan I	0.020	U H	0.0070	0.020
Endosulfan II	0.020	U H	0.0070	0.020
Endosulfan sulfate	0.020	U H	0.0080	0.020
Endrin	0.020	U H	0.0070	0.020
Endrin aldehyde	0.020	U H	0.010	0.020
Endrin ketone	0.020	U H	0.017	0.020
Heptachlor	0.020	U H	0.0060	0.020
Heptachlor epoxide	0.020	U H	0.0060	0.020
Methoxychlor	0.020	U H	0.014	0.020
Toxaphene	1.0	U H	0.51	1.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene	97		38 - 138	
DCB Decachlorobiphenyl	101		17 - 152	

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID: EFF12201003**

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

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**608 Organochlorine Pesticides/PCBs in Water**

Method:	608	Analysis Batch: 460-60068	Instrument ID:	PESTGC6
Preparation:	608	Prep Batch: 460-59948	Initial Weight/Volume:	1000 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	12/29/2010 0712		Injection Volume:	
Date Prepared:	12/28/2010 1258		Result Type:	SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		38 - 138
DCB Decachlorobiphenyl	81		17 - 152

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

Client Sample ID: EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

---

**8151A Herbicides (GC)**

Method:	8151A	Analysis Batch: 460-60108	Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-59988	Initial Weight/Volume:	980 mL
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	12/29/2010 0823		Injection Volume:	
Date Prepared:	12/28/2010 1000		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	0.51	U H	0.11	0.51
Dicamba	0.51	U H	0.12	0.51
Dichlorprop	0.51	U H	0.10	0.51
2,4-D	0.51	U H	0.10	0.51
2,4-DB	0.51	U H	0.13	0.51
Silvex (2,4,5-TP)	0.51	U H	0.092	0.51
2,4,5-T	0.51	U H	0.12	0.51
Dinoseb	0.51	U H	0.12	0.51
MCPA	51	U H	16	51
Mecoprop	51	U H	22	51

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	118		63 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID:** EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

---

**8151A Herbicides (GC)**

Method: 8151A

Analysis Batch: 460-60108

Instrument ID: PESTGC3

Preparation: 8151A

Prep Batch: 460-59988

Initial Weight/Volume: 980 mL

Dilution: 1.0

Final Weight/Volume: 10 mL

Date Analyzed: 12/29/2010 0823

Injection Volume:

Date Prepared: 12/28/2010 1000

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	85		63 - 150

---

**Analytical Data**

Client: URS Corporation

Job Number: 220-14410-2

**Client Sample ID:** EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

**200.7 Rev 4.4 Metals (ICP)**

Method:	200.7 Rev 4.4	Analysis Batch: 220-46729	Instrument ID:	ICAP3
Preparation:	200.7	Prep Batch: 220-46599	Lab File ID:	123010d.prn
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	12/30/2010 1213		Final Weight/Volume:	50 mL
Date Prepared:	12/28/2010 1027			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Arsenic	15.0	U	4.0	15.0
Barium	157		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	2.8	J	1.5	10.0
Iron	1710		15.0	125
Manganese	874		0.25	8.0
Nickel	1.3	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Zinc	25.0	U	5.0	25.0

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 220-46510	Instrument ID:	MERC1
Preparation:	245.1	Prep Batch: 220-46484	Lab File ID:	CV122220.TXT
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	12/22/2010 1358		Final Weight/Volume:	50 mL
Date Prepared:	12/22/2010 0854			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: URS Corporation

Job Number: 220-14410-2

General Chemistry

Client Sample ID: EFF12201003

Lab Sample ID: 220-14410-5

Date Sampled: 12/20/2010 1630

Client Matrix: Water

Date Received: 12/21/2010 1044

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	5.0	U	mg/L	1.7	5.0	1.0	1664A
	Analysis Batch: 220-46586		Date Analyzed: 12/25/2010 1654				
Cyanide, Total	47.3		ug/L	2.9	10.0	1.0	335.4
	Analysis Batch: 220-46627		Date Analyzed: 12/28/2010 1512				
	Prep Batch: 220-46622		Date Prepared: 12/28/2010 1050				
Total Suspended Solids	64.0		mg/L	2.0	5.0	1.0	SM 2540D
	Analysis Batch: 220-46567		Date Analyzed: 12/23/2010 1442				
Cr (VI)	0.010	U	mg/L	0.0026	0.010	1.0	SM 3500 CR
	Analysis Batch: 220-46445		Date Analyzed: 12/21/2010 1217				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.35	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
	Analysis Batch: 220-46480		Date Analyzed: 12/21/2010 1730				

## DATA REPORTING QUALIFIERS

Client: URS Corporation

Job Number: 220-14410-2

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS VOA		
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
GC Semi VOA		
	U	Analyzed for but not detected.
	H	Sample was prepped or analyzed beyond the specified holding time
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.



## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14410-2

**Login Number: 14410**  
**Creator: Teixeira, Maria L**  
**List Number: 1**

**List Source: TestAmerica Connecticut**

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	2.3C
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.	False	#4 ON LABELS READ ICSSWEX 018S
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.	False	DID NOT RECEIVED BOTTLE FOR TSS
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14410-2

**Login Number: 14410**  
**Creator: Retana, Camille**  
**List Number: 1**

**List Source: TestAmerica Edison**  
**List Creation: 12/22/10 12:25 PM**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	1.1°C IR # 50
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14410-2

**Login Number: 14410**  
**Creator: Retana, Camille**  
**List Number: 2**

**List Source: TestAmerica Edison**  
**List Creation: 12/22/10 01:25 PM**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	5.3°C IR # 50
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

# CHAIN OF CUSTODY RECORD

# URS

PROJECT NO. 1176093, 00000 SITE NAME ITHACA COUNT ST

SAMPLERS (PRINT/SIGNATURE) SHAW CONWAY 8750 4075 1329

DELIVERY SERVICE: FEDEX AIRBILL NO.:

TESTS	
oil analysis	
pesticides	
Heavy Metals	
VOC	

LAB TEST APPROVED BY LAB COOLER 1 of 1 PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
EFF	12-20-10	9:30	Comp	EFF 12201003	Soil	2	4	3			

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WD - WATER FIELD OC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
	SB - TRIP BLANK	SD - MATRIX SPIKE DUPLICATE	SB - RINSE BLANK	FR - FIELD REPLICATE	MS - MATRIX SPIKE	FR - NORMAL ENVIRONMENTAL SAMPLE	(* - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)										

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<i>[Signature]</i>	12-20-10	5:00	<i>[Signature]</i>			DR JACKIE TRUDELL
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

## **APPENDIX G**

### **DATA USABILITY SUMMARY REPORT (DUSR)**

**DATA USABILITY SUMMARY REPORT  
ITHACA COURT STREET FORMER MANUFACTURED GAS PLANT  
CONFIRMATION SOIL SAMPLES**

**NYSEG  
REMEDIATION OF THE ITHACA COURT STREET  
FORMER MANUFACTURED GAS PLANT SITE  
CITY OF ITHACA, TOMPKINS COUNTY, NEW YORK**

**Analyses Performed by:**

**TESTAMERICA LABORATORIES, INC.**

**Prepared by:**

**URS CORPORATION  
77 GOODELL STREET  
BUFFALO, NY 14203**

**Prepared For:**

**NEW YORK STATE ELECTRIC & GAS CORPORATION  
JAMES A. CARRIGG CENTER, 18 LINK DRIVE  
BINGHAMTON, NEW YORK 13902-5224**

**FEBRUARY 2011**

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### TABLES (Following Text)

Table 1	Sample ID Summary
Table 2	Summary of Data Qualifications
Table 3	Validated Soil Sample Results – BTEX, PAHs, Mercury and Lead
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### APPENDICES

Appendix A	Validated Form I's
Appendix B	Support Documentation

## **I. INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation DER-10 *Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Analytical data for forty-nine (49) confirmation soil samples collected from the Ithaca Court Street Former Manufactured Gas Plant (MGP) site, located in the City of Ithaca, New York are discussed in this DUSR. The samples were collected from October 28, 2010 through December 29, 2010 by URS personnel as part of the of the New York State Electric and Gas (NYSEG) Ithaca Court Street Former MGP site remediation. A sample identification summary is provided in Table 1.

## **II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION**

Forty-nine (49) confirmation soil samples, three (3) field duplicates and three (3) matrix spike/matrix spike duplicate (MS/MSD) pairs were collected during remedial activities at the site from October 28, 2010 through December 29, 2010. Soil samples for three (3) locations (i.e., ICSBMEX005, ICSBMEX007 and ISCMEX010) were recollected after additional excavation was performed based on the results of the initial analyses. The recollected samples contain the suffix "A". The analytical laboratories performing the analyses were TestAmerica Laboratories, Inc., of Shelton, Connecticut, and TestAmerica Laboratories, Inc. of Edison, New Jersey. Both facilities are New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratories.

Forty-six (46) soil samples were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) following United States Environmental Protection Agency (USEPA) Method 8260B, polycyclic aromatic hydrocarbons (PAHs) following USEPA Method 8270C, mercury (Hg) by USEPA Method 7471A and lead (Pb) by USEPA Method 6010B. Three (3) soil samples, all the field duplicates and MS/MSDs were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by USEPA Method 8260B and TCL semivolatile organic compounds (SVOCs) by USEPA Method 8270C, in addition to Hg and Pb. All methods are referenced in *Test Methods for Evaluating Solid Waste – Physical/Chemical Methods, SW-846, Final Update III, June 1997*.

A limited data validation was performed on the samples following the guidelines presented in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, HW-24 Revision 2, August 2008.
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, HW-22 Revision 4, August 2008
- *Evaluation of Metals Data for the Contract Laboratory Program (CLP)*, HW-2 Revision 13, September 2006

The limited data validation included a review of holding times; completeness of all required deliverables; QC results (blanks, instrument tunes, calibration standards, matrix spike recoveries, duplicate analyses, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results and a review of laboratory data qualifiers.

Table 2 summarizes the data validation qualifications applied to the sample results. Qualifications applied to the data include 'J' (estimated concentration), 'UJ' (estimated quantitation limit), 'U' (not detected) and 'R' (rejected). The validated analytical results for the samples analyzed for BTEX, PAHs, Hg and Pb are presented on Table 3. The validated analytical results for the samples analyzed for TCL VOCs, TCL SVOCs, Hg and Pb are presented on Table 4. Copies of the validated Form I's are provided in Appendix A. Documentation supporting the qualification of data is provided in Appendix B.

### **III. DATA DELIVERABLE COMPLETENESS**

Full deliverable data packages (i.e., NYSDEC ASP Category B equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

### **IV. PRESERVATION/SAMPLE RECEIPT/HOLDING TIMES**

All samples were stored on ice immediately after collection. Samples were packed into coolers with ice and shipped via overnight courier (i.e., Federal Express) to the laboratory. All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody (COC) with the following exceptions:

- The labels on the sample containers did not match the COC for sample ICSSWEX018S. The COC was corrected during the data review.
- Sample ICSBMEX005A collected on December 28, 2010 was missing the “A” on the COC and sample container labels. The ID was manually corrected on the Form I and COC during the data review.
- Sample ID ICSSWEX010N was inadvertently changed to ICSSWEX010AN after the log-in notification was received from the laboratory. The ID was manually corrected on the Form I during the data review.

All samples were analyzed within the required holding times.

## V. NONCONFORMANCES

Only problems affecting data usability are discussed.

- Initial and Continuing Calibrations

The relative standard deviation (RSD) between the relative response factors (RRF) in the VOC initial calibration (ICAL) standards exceeded 20% for methylene chloride. The results for methylene chloride were qualified ‘UJ’ in samples ICSSWEX008S and ICSBMEX013DUP. Results qualified ‘U’ for blank contamination are still considered hits for calibration outliers.

The RSD between the RRFs in the SVOC ICAL standards exceeded 20% for benzaldehyde. The results for benzaldehyde were qualified ‘J’ in samples ICSBMEX008, ICBMEXDP008 and ICSSWEXDP008S.

The percent difference (%D) between the VOCs ICAL average RRF and the RRFs in one or more of the continuing calibration (CCAL) standards exceeded 20% for 1,1,1-trichloroethane, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, acetone, benzene, bromoform, bromomethane, carbon disulfide, carbon tetrachloride, cyclohexane, dibromochloromethane, dichlorodifluoromethane, isopropylbenzene, methyl acetate, methylcyclohexane, methyl ethyl ketone and/or trichlorofluoromethane. The associated results for these compounds were qualified ‘J’ or ‘UJ’ in the samples listed in Table 2.

The %D between the VOC ICAL average RRF and the RRF in one of the CCAL standards exceeded 90% for methyl acetate. The result for methyl acetate was qualified 'R' in samples ICSBMEX013 and ICSBMEX013DUP.

The %D between the SVOC ICAL average RRF and the RRFs in one or more of the CCAL standards exceeded 20% for 2,4-dinitrophenol, benzo(g,h,i)perylene, dibenz(a,h)anthracene and/or indeno(1,2,3-cd)pyrene. The associated results for these compounds were qualified 'J' or 'UJ' in the samples listed in Table 2.

Documentation supporting the qualification of data (i.e., Form 6, Form 7, run log) is presented in Appendix B.

- Laboratory Control Sample Results

The percent recovery (%R) of the SVOC LCS was outside QC limits for 3-nitroaniline, acenaphthene, benzo(b)fluoranthene and/or hexachlorocyclopentadiene. The results for these compounds were qualified 'J' or 'UJ', as listed in Table 2.

Documentation supporting the qualification of data (i.e., Form 3, extraction log) is presented in Appendix B.

- Matrix Spike/Matrix Spike Duplicate Results

The %R was outside the QC limits in the MS/MSD analyses for the following VOCs: 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,2-dichloroethane, acetone, bromodichloromethane, bromoform, bromomethane, carbon tetrachloride, chlorobenzene, chloroethane, dibromochloromethane, ethylbenzene, methyl ethyl ketone, vinyl chloride and/or xylene. Per USEPA Region II validation guidelines, only the results for these compounds in the parent sample (and field duplicates of the parent samples) were qualified 'J' or 'UJ' as listed in Table 2.

The %R was outside the QC limits in the MS/MSD analyses for the following SVOCs: 2,4-dinitrophenol, 2,4-dinitrotoluene, 2-nitrophenol, 3,3'-dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-nitroaniline, hexachloroethane and/or hexachlorocyclopentadiene. Per USEPA Region II validation guidelines,

only the results for these compounds in the parent sample (and field duplicates of the parent samples) were qualified 'UJ' as listed in Table 2.

The %R of the metal lead was outside the QC limit in the MSD analysis of sample ICSBMEX008. Per USEPA Region II validation guidelines, the results should be rejected for a %R greater than 200%. Using professional judgment, the results for lead was instead qualified 'J' in samples ICSBMEX008 and ICSBMEXDP008 because the MS %R for lead was within QC limits.

Documentation supporting the qualification of data (i.e., Form 3) is presented in Appendix B.

- Method Blank Results

The VOCs acetone, ethylbenzene, methylene chloride, methyl acetate and/or toluene were detected in the method blanks associated with the samples listed in Table 2. If the concentration of the contaminant in the associated sample was less than the reporting limit (RL) or if the concentration of the contaminant in the associated sample was above the RL but less than five times (ten times for methylene chloride and acetone) the associated method blank concentration, the results were qualified 'U' at the quantified value or raised to the RL, whichever was higher.

The metal mercury was detected in calibration blanks at a concentration below the RL. The concentrations of mercury in the associated samples were also below the RL. Per USEPA Region II validation guidelines, the results for mercury for the samples listed in Table 2 were qualified 'U' and raised to the RL.

Documentation supporting the qualification of data (i.e., Form 1, Form 4, Form 3-IN, Form 13-IN) is presented in Appendix B.

- Field Duplicate Results

Field duplicates were collected at sample locations ICSBMEX008, ICSSWEX008S and ICSBMEX013. The relative percent difference between the parent and field duplicate result was greater than 35% for lead in sample ICSBMEX008 and ICSBMEXDP008. The result for lead in these samples was

qualified 'J'. There are no recommended actions for the evaluation of field duplicate results for organics (i.e., VOCs, SVOCs).

## VI. SAMPLE RESULTS AND REPORTING

Several samples required dilution analysis because of the high concentrations of target compounds. The RLs reported for the non-detect compounds represent the lowest achievable at the diluted level.

All RLs were reported in accordance with method requirements and were adjusted for sample size, dilution factors, and percent moisture. Results for compounds detected between the method detection limit (MDL) and the RL are qualified 'J' by the laboratory.

## VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'R' are not usable. Those results qualified 'J' or 'UJ' are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

**Prepared By:** George Kisluk, Senior Chemist



**Date:**

2/24/11

**Reviewed By:** Peter Fairbanks, Senior Chemist



**Date:**

2/24/11

## **DEFINITIONS OF USEPA DATA QUALIFIERS**

- U** - The analyte was analyzed for, but was not detected above the level of the reported sample reporting limit.
- J** - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** - The analyte was analyzed for, but not detected. The reported reporting limit is approximate and may be inaccurate or imprecise.
- R** - The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
- D** - The sample result was reported from a secondary dilution analysis.

**TABLE 1  
SAMPLE IDENTIFICATION SUMMARY  
ITHACA COURT STREET FORMER MGP SITE**

Location ID	Field Sample ID	Sample Date	Lab Job #	Parameters	Comments
CSBMEX001	ICSBMEX001	28-Oct-10	220-13859	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX001N	ICSSWEX001N	28-Oct-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX001S	ICSSWEX001S	04-Nov-10	220-13952	BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX002	ICSBMEX002	05-Nov-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX002N	ICSSWEX002N	05-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX002S	ICSSWEX002S	05-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX003	ICSBMEX003	08-Nov-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX003N	ICSSWEX003N	08-Nov-10	220-13957	BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX003S	ICSSWEX003S	08-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX004	ICSBMEX004	10-Nov-10	220-13992	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX004N	ICSSWEX004N	10-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX004S	ICSSWEX004S	10-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX005	ICSBMEX005	15-Nov-10	220-14039	BTEX, PAHs, Hg, Pb	Bottom, Re-excavated
CSSWEX005S	ICSSWEX005S	15-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX005A	ICSBMEX005A	28-Dec-10	220-14462	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX005N	ICSSWEX005N	28-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX006	ICSBMEX006	16-Nov-10	220-14039	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX006N	ICSSWEX006N	16-Nov-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSSWEX006S	ICSSWEX006S	16-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX007	ICSBMEX007	18-Nov-10	220-14071	BTEX, PAHs, Hg, Pb	Bottom, Re-excavated
CSSWEX007S	ICSSWEX007S	18-Nov-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX007A	ICSBMEX007A	27-Dec-10	220-14463	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX007N	ICSSWEX007N	27-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX008	ICSBMEX008	29-Nov-10	220-14142	TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, plus MS/MSD
	ICSBMEXDP008	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, Field Dup
CSSWEX008S	ICSSWEX008S	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	South Side Wall, plus MS/MSD
	ICSSWEXDP008S	29-Nov-10		TCL VOCs, TCL SVOCs, Hg, Pb	South Side Wall, Field Dup
CSBMEX009	ICSBMEX009	07-Dec-10	220-14267	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX009S	ICSSWEX009S	07-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX010	ICSBMEX010	07-Dec-10		BTEX, PAHs, Hg, Pb	Bottom, Re-excavated
CSSWEX010S	ICSSWEX010S	07-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX010A	ICSBMEX010A	29-Dec-10	220-14471	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX010N	ICSSWEX010N	29-Dec-10		BTEX, PAHs, Hg, Pb	North Side Wall
CSBMEX011	ICSBMEX011	09-Dec-10	220-14287	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX011S	ICSSWEX011S	09-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX012	ICSBMEX012	10-Dec-10	220-14319	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX012S	ICSSWEX012S	10-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX013	ICSBMEX013	13-Dec-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, plus MS/MSD
	ICSBMEX013DUP	13-Dec-10		TCL VOCs, TCL SVOCs, Hg, Pb	Bottom, Field Dup
CSSWEX013S	ICSSWEX013S	13-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX014	ICSBMEX014	14-Dec-10	220-14359	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX014S	ICSSWEX014S	14-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX015	ICSBMEX015	15-Dec-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX015S	ICSSWEX015S	15-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX016	ICSBMEX016	16-Dec-10	220-14384	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX016S	ICSSWEX016S	16-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX017	ICSBMEX017	17-Dec-10	220-14410-1	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX017S	ICSSWEX017S	17-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX018	ICSBMEX018	20-Dec-10		BTEX, PAHs, Hg, Pb	Bottom
CSSWEX018S	ICSSWEX018S	20-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall
CSBMEX019	ICSBMEX019	21-Dec-10	220-14454	BTEX, PAHs, Hg, Pb	Bottom
CSSWEX019S	ICSSWEX019S	21-Dec-10		BTEX, PAHs, Hg, Pb	South Side Wall

BTEX - Benzene, Toluene, Ethylbenzene, Xylene  
Hg - Mercury  
MS/MSD - Matrix Spike/Matrix Spike Duplicate  
PAHs - Polycyclic Aromatic Hydrocarbons  
Pb - Lead  
SVOCs - Semivolatile Organic Compounds  
TCL - Target Compound List  
VOCs - Volatile Organic Compounds

**TABLE 2  
SUMMARY OF DATA QUALIFICATIONS  
ITHACA COURT STREET FORMER MGP SITE REMEDIATION**

<b>SAMPLE ID</b>	<b>FRACTION</b>	<b>ANALYTICAL DEVIATION</b>	<b>QUALIFICATION</b>
ICSSWEX008S, ICSBMEX013DUP	VOCs	ICAL %RSD >20% for methylene chloride (results qualified 'U' for blank contamination still considered hit for calibration outliers).	Qualify non-detect 'UJ'.
ICSBMEX013, ICSBMEX013DUP		CCAL %D>90% for methyl acetate.	Qualify non-detects 'R'.
ICSBMEX008, ICBMEXDP008	VOCs	CCAL %D>20% for 1,2-dibromo-3-chloropropane.	Qualify non-detects 'UJ'.
ICSSWEX008S	VOCs	CCAL %D>20% for dichlorodifluoromethane, acetone, methyl acetate.	Qualify non-detect 'UJ'.
ICSSWEXDP008S	VOCs	CCAL %D>20% for bromomethane, methyl acetate, methyl ethyl ketone.	Qualify non-detects 'UJ'.
ICSBMEX009, ICSSWEX009S, ICSSWEX010S	VOCs	CCAL %D>20% for benzene	Qualify detects 'J' and non-detects 'UJ'.
ICSBMEX013DUP	VOCs	CCAL %D>20% for 1,1,1-trichloroethane, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, bromoform, bromomethane, carbon disulfide, carbon tetrachloride, cyclohexane, dibromochloromethane, dichlorodifluoromethane, isopropylbenzene, methylcyclohexane, trichlorofluoromethane	Qualify non-detects 'UJ'.
ICSBMEX008, ICBMEXDP008	VOCs	MS/MSD %R below QC limit for 1,1,2,2-tetrachloroethane, chloroethane.	Qualify non-detects 'UJ'.

**TABLE 2  
SUMMARY OF DATA QUALIFICATIONS  
ITHACA COURT STREET FORMER MGP SITE REMEDIATION**

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
ICSSWEX008S, ICSSWEXDP008S	VOCs	MS/MSD %R below QC limit for 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,2-dichloroethane, acetone, bromodichloromethane, bromoform, bromomethane, carbon tetrachloride, chlorobenzene, dibromochloromethane, ethylbenzene, methyl ethyl ketone, vinyl chloride, xylene	Qualify detects 'J' and non-detects 'UJ'.
ICSBMEX013DUP	VOCs	Acetone concentration in sample less than reporting limit (RL).	Qualify results 'U' and raise to RL.
ICSSWEX004S	VOCs	Ethylbenzene in method blank. Concentration in sample less than five times the method blank amount.	Qualify results 'U' at quantified value.
ICSBMEX008, ICBMEXDP008, ICSSWEX008S, ICSSWEXDP008S, ICSBMEX013, ICSBMEX013DUP	VOCs	Methylene chloride in method blank. Concentration in sample less than RL.	Qualify results 'U' and raise to RL.
ICSBMEX008, ICBMEXDP008	VOCs	Methyl acetate in method blank. Concentration in sample less than RL.	Qualify results 'U' and raise to RL.
ICSSWEX008S, ICSSWEXDP008S, ICSBMEX009, ICSSWEX009S, ICSSWEX010S, ICSBMEX011, ICSSWEX011S, ICSBMEX012, ICSSWEX012S, ICSBMEX013DUP, ICSSWEX013S	VOCs	Toluene in method blank. Concentration in sample less than RL.	Qualify results 'U' and raise to RL.
ICSBMEX003, ICSSWEX003N, ICSSWEX003S	SVOCs	LCS %R above QC limit for acenaphthene.	Qualify detects 'J'.
ICSBMEX008, ICBMEXDP008, ICSSWEX008S, ICSSWEXDP008S	SVOCs	LCS %R below QC limit for 3-nitroaniline, hexachlorocyclopentadiene.	Qualify non-detects 'UJ'.
ICSBMEX018, ICSBMEX019	SVOCs	LCS %R above QC limit for benzo(b)fluoranthene.	Qualify detects 'J'.
ICSBMEX008, ICBMEXDP008, ICSSWEXDP008S	SVOCs	ICAL %RSD >20% for benzaldehyde.	Qualify detect 'J'.
ICSSWEX008S	SVOCs	CCAL %D >20% for 2,4-dinitrophenol.	Qualify non-detects 'UJ'.
ICSBMEX009, ICSSWEX009S, ICSSWEX010S	SVOC	CCAL %D >20% for benzo(g,h,i)perylene.	Qualify detects 'J' and non-detect 'UJ'.
ICSBMEX005A, ICSSWEX005N, ICSBMEX007A, ICSSWEX007N, ICSBMEX010A, ICSSWEX010N	SVOC	CCAL %D >20% for benzo(g,h,i)perylene, dibenz(a,h)anthracene.	Qualify detects 'J' and non-detects 'UJ'.

**TABLE 2**  
**SUMMARY OF DATA QUALIFICATIONS**  
**ITHACA COURT STREET FORMER MGP SITE REMEDIATION**

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
ICSSWEX013S	SVOC	CCAL %D>20% for benzo(g,h,i)perylene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.	Qualify non-detects 'UJ'.
ICSSWEX008S, ICSSWEXDP008S	SVOCs	MS/MSD %R below QC limit for 2,4-dinitrophenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-nitrophenol, 3,3'-dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-nitroaniline, hexachloroethane	Qualify non-detects 'UJ'.
ICSBMEX013, ICSBMEX013DUP	SVOCs	MS/MSD %R below QC limit for hexachlorocyclopentadiene	Qualify non-detects 'UJ'.
ICSBMEX012, ICSSWEX012S, ICSBMEX013, ICSBMEX013DUP, ICSSWEX013S	Metals	Mercury detected in calibration blank and sample at a concentration less than RL.	Qualify results 'U' and raise to RL.
ICSBMEX008, ICBMEXDP008	Metals	MSD %R and field duplicate RPD above QC limits for lead.	Qualify detects 'J'.

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX001	CSBMEX002	CSBMEX003	CSBMEX004	CSBMEX005
Sample ID			ICSBMEX001	ICSBMEX002	ICSBMEX003	ICSBMEX004	ICSBMEX005
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			10/28/10	11/05/10	11/08/10	11/10/10	11/15/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	1.7	0.017	0.0073	1.2	13
Ethylbenzene	MG/KG	5.5	4.9	0.0034	0.023	8.6	33
Toluene	MG/KG	1.5	1.1	0.00056 J	0.0027	4.6	23
Xylene (total)	MG/KG	1.2	23	0.0051	0.029	33	120
Total Volatile Organic Compounds	MG/KG	10	30.7	0.02606	0.062	47.4	189
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	4.6 J	0.33 J	0.10 J	20	140
Acenaphthene	MG/KG	50	6.5 J	0.69	0.82 J	6.9	47
Acenaphthylene	MG/KG	41	17	0.17 J	0.28 J	12	98
Anthracene	MG/KG	50	23	0.52	0.20 J	15	97
Benzo(a)anthracene	MG/KG	0.224 or MDL	17	0.42	0.14	15	81
Benzo(a)pyrene	MG/KG	0.061 or MDL	14	0.36	0.10	12	71
Benzo(b)fluoranthene	MG/KG	1.1	14	0.40	0.11	13	65
Benzo(g,h,i)perylene	MG/KG	50	5.9 J	0.21 J	0.46 U	7.4	76
Benzo(k)fluoranthene	MG/KG	1.1	7.0	0.20	0.062	6.7	30 J
Chrysene	MG/KG	0.4	14	0.38 J	0.12 J	11	63
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	1.9	0.052	0.046 U	1.9	43
Fluoranthene	MG/KG	50	41	0.70	0.36 J	31	200
Fluorene	MG/KG	50	27	0.51	0.61	15	120
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	6.8	0.22	0.046 U	7.3	85
Naphthalene	MG/KG	13	100	0.91	1.0	89	540
Phenanthrene	MG/KG	50	73	1.9	0.84	55	320

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

Advanced Selection: Fall wo q  
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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE "EX008" OR [LOCID] = 'CSBMEX001'

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX001	CSBMEX002	CSBMEX003	CSBMEX004	CSBMEX005
Sample ID			ICSBMEX001	ICSBMEX002	ICSBMEX003	ICSBMEX004	ICSBMEX005
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			10/28/10	11/05/10	11/08/10	11/10/10	11/15/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	37	0.84	0.30 J	28	220
Total Semivolatile Organic Compounds	MG/KG	500	409.7	8.812	5.042	346.2	2,296
<b>Metals</b>							
Lead	MG/KG	SB	13.1	11.1	14.3	12.7	9.4
Mercury	MG/KG	0.1	0.053	0.039 U	0.045	0.043 U	0.041 J
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	79.3	78.1	72.4	74.2	77.8

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX005A	CSBMEX006	CSBMEX007	CSBMEX007A	CSBMEX009
Sample ID			ICSBMEX005A	ICSBMEX006	ICSBMEX007	ICSBMEX007A	ICSBMEX009
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.8-8.8	6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6
Date Sampled			12/28/10	11/16/10	11/18/10	12/27/10	12/07/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	2.9	0.0086	4.8 J	0.044	0.0062 UJ
Ethylbenzene	MG/KG	5.5	16	0.0097	24 J	0.0015	0.0042 J
Toluene	MG/KG	1.5	2.9	0.0090	15 J	0.0013 U	0.0062 U
Xylene (total)	MG/KG	1.2	59	0.040	69	0.0041	0.0089
Total Volatile Organic Compounds	MG/KG	10	80.8	0.0673	112.8	0.0496	0.0131
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	10	15	78	0.17 J	0.021 J
Acenaphthene	MG/KG	50	3.6	6.4	39	0.39 J	1.7
Acenaphthylene	MG/KG	41	7.3	9.0	35	0.43 U	0.018 J
Anthracene	MG/KG	50	6.2	19	43	0.43 U	0.34 U
Benzo(a)anthracene	MG/KG	0.224 or MDL	5.5	10	42	0.043 U	0.34 U
Benzo(a)pyrene	MG/KG	0.061 or MDL	4.8	9.3	39	0.043 U	0.34 U
Benzo(b)fluoranthene	MG/KG	1.1	4.8	8.6	43	0.043 U	0.34 U
Benzo(g,h,i)perylene	MG/KG	50	3.0 J	9.1	32	0.43 UJ	0.34 UJ
Benzo(k)fluoranthene	MG/KG	1.1	2.3	3.8	16 J	0.043 U	0.34 U
Chrysene	MG/KG	0.4	4.6	13	31	0.43 U	0.34 U
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.91 J	4.6	21	0.043 UJ	0.34 U
Fluoranthene	MG/KG	50	11	25	110	0.43 U	0.34 U
Fluorene	MG/KG	50	8.7	12	57	0.082 J	0.45
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	3.3	10	35	0.043 U	0.34 U
Naphthalene	MG/KG	13	32	56	270	0.071 J	0.14 J
Phenanthrene	MG/KG	50	23	38	160	0.43 U	0.23 J

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBMEX001'

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX005A	CSBMEX006	CSBMEX007	CSBMEX007A	CSBMEX009
Sample ID			ICSBMEX005A	ICSBMEX006	ICSBMEX007	ICSBMEX007A	ICSBMEX009
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.8-8.8	6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6
Date Sampled			12/28/10	11/16/10	11/18/10	12/27/10	12/07/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	11	29	97	0.43 U	0.34 U
Total Semivolatile Organic Compounds	MG/KG	500	142.01	277.8	1,148	0.713	2.559
<b>Metals</b>							
Lead	MG/KG	SB	13.0	10.6	11.7	14.1	9.1
Mercury	MG/KG	0.1	0.039 U	0.020 J	0.027 J	0.040 U	0.013 J
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	78.6	77.7	77.8	76.1	80.4

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX010	CSBMEX010A	CSBMEX011	CSBMEX012	CSBMEX014
Sample ID			ICSBMEX010	ICSBMEX010A	ICSBMEX011	ICSBMEX012	ICSBMEX014
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	8.0-8.0	6.6-6.6	5.5-5.5	6.0-6.0
Date Sampled			12/07/10	12/29/10	12/09/10	12/10/10	12/14/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	11 J	0.46	0.045	0.15	0.027
Ethylbenzene	MG/KG	5.5	58	0.14	0.021	0.018	0.0028 J
Toluene	MG/KG	1.5	17	0.0052	0.0062 U	0.0064 U	0.0013 J
Xylene (total)	MG/KG	1.2	170	0.12	0.014	0.026	0.0041 J
Total Volatile Organic Compounds	MG/KG	10	256	0.7252	0.08	0.194	0.0352
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	110	0.38 J	1.1	0.93	0.051 J
Acenaphthene	MG/KG	50	28 J	0.51	1.1	0.99	0.89
Acenaphthylene	MG/KG	41	71	0.43 U	0.11 J	0.34 U	0.34 U
Anthracene	MG/KG	50	71	0.15 J	0.60	0.12 J	0.37
Benzo(a)anthracene	MG/KG	0.224 or MDL	60	0.043 U	0.25 J	0.34 U	0.025 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	55	0.043 U	0.18 J	0.34 U	0.018 J
Benzo(b)fluoranthene	MG/KG	1.1	60	0.043 U	0.19 J	0.34 U	0.017 J
Benzo(g,h,i)perylene	MG/KG	50	22 J	0.43 UJ	0.050 J	0.34 U	0.34 U
Benzo(k)fluoranthene	MG/KG	1.1	25 J	0.043 U	0.079 J	0.34 U	0.34 U
Chrysene	MG/KG	0.4	50	0.43 U	0.22 J	0.34 U	0.34 U
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	13 J	0.043 UJ	0.34 U	0.34 U	0.34 U
Fluoranthene	MG/KG	50	160	0.13 J	0.68	0.051 J	0.26 J
Fluorene	MG/KG	50	77	0.31 J	2.0	0.50	0.66
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	25 J	0.043 U	0.062 J	0.34 U	0.34 U
Naphthalene	MG/KG	13	530	1.8	1.2	0.44	0.24 J
Phenanthrene	MG/KG	50	240	0.83	2.2	1.5	2.3

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBMEX010'

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX010	CSBMEX010A	CSBMEX011	CSBMEX012	CSBMEX014
Sample ID			ICSBMEX010	ICSBMEX010A	ICSBMEX011	ICSBMEX012	ICSBMEX014
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	8.0-8.0	6.6-6.6	5.5-5.5	6.0-6.0
Date Sampled			12/07/10	12/29/10	12/09/10	12/10/10	12/14/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	110	0.11 J	0.53	0.026 J	0.12 J
Total Semivolatile Organic Compounds	MG/KG	500	1,707	4.22	10.551	4.557	4.951
<b>Metals</b>							
Lead	MG/KG	SB	9.9	12.3	10.7	12.7	10.5
Mercury	MG/KG	0.1	0.017 J	0.040 U	0.022 J	0.064 U	0.024 J
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	80.4	76.6	80.3	78.0	79.6

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

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ND - Not detected. NA - Not analyzed.

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**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX015	CSBMEX016	CSBMEX017	CSBMEX018	CSBMEX019
Sample ID			ICSBMEX015	ICSBMEX016	ICSBMEX017	ICSBMEX018	ICSBMEX019
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			12/15/10	12/16/10	12/17/10	12/20/10	12/21/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	0.089	0.18 J	0.085	0.25 J	0.028
Ethylbenzene	MG/KG	5.5	0.051	2.3	0.023	0.50	0.069
Toluene	MG/KG	1.5	0.0026 J	0.32	0.0065 U	0.42	0.00067 J
Xylene (total)	MG/KG	1.2	0.096	6.1	0.013	1.7	0.0038 J
Total Volatile Organic Compounds	MG/KG	10	0.2386	8.9	0.121	2.87	0.10147
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	7.3	5.7	0.43 U	3.8	5.1
Acenaphthene	MG/KG	50	6.7	5.6	0.43 U	3.1	6.9
Acenaphthylene	MG/KG	41	0.72 J	0.61 J	0.43 U	0.45 J	0.30 J
Anthracene	MG/KG	50	8.0	3.5	0.43 U	2.0	4.9
Benzo(a)anthracene	MG/KG	0.224 or MDL	3.8	3.3	0.043 U	1.6	3.2
Benzo(a)pyrene	MG/KG	0.061 or MDL	2.9	3.0	0.043 U	1.4	3.4
Benzo(b)fluoranthene	MG/KG	1.1	3.1	3.1	0.043 U	1.6 J	3.9 J
Benzo(g,h,i)perylene	MG/KG	50	0.93 J	1.0 J	0.43 U	0.47 J	1.9
Benzo(k)fluoranthene	MG/KG	1.1	1.4 J	1.2 J	0.043 U	0.68	1.5
Chrysene	MG/KG	0.4	3.4	2.4	0.43 U	1.5	3.8
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.27 J	0.26 J	0.043 U	0.085 U	0.50
Fluoranthene	MG/KG	50	10	9.0	0.43 U	3.6	7.9
Fluorene	MG/KG	50	7.6	4.4	0.43 U	2.7	4.4
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	1.2 J	1.3 J	0.043 U	0.54	2.1
Naphthalene	MG/KG	13	24	19	0.43 U	11	21
Phenanthrene	MG/KG	50	16	14	0.12 J	7.1	14

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBMEX019'

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX015	CSBMEX016	CSBMEX017	CSBMEX018	CSBMEX019
Sample ID			ICSBMEX015	ICSBMEX016	ICSBMEX017	ICSBMEX018	ICSBMEX019
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			12/15/10	12/16/10	12/17/10	12/20/10	12/21/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	8.2	6.7	0.43 U	3.1	7.2
Total Semivolatile Organic Compounds	MG/KG	500	105.52	84.07	0.12	44.64	92
<b>Metals</b>							
Lead	MG/KG	SB	9.4	10.5	5.1	9.2	16.7
Mercury	MG/KG	0.1	0.026 J	0.025 J	0.064 U	0.015 J	0.043 U
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	78.0	80.1	76.9	78.2	70.0

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX001N	CSSWEX001S	CSSWEX002N	CSSWEX002S	CSSWEX003N
Sample ID			ICSSWEX001N	ICSSWEX001S	ICSSWEX002N	ICSSWEX002S	ICSSWEX003N
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			10/28/10	11/04/10	11/05/10	11/05/10	11/08/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	0.21	0.0013 U	1.9	0.0012 U	0.030
Ethylbenzene	MG/KG	5.5	0.43	0.00033 J	5.7	0.0012 U	0.045
Toluene	MG/KG	1.5	0.055 J	0.0013 U	1.6	0.0012 U	0.0068
Xylene (total)	MG/KG	1.2	1.1	0.0039 U	28	0.0037 U	0.046
Total Volatile Organic Compounds	MG/KG	10	1.795	0.00033	37.2	ND	0.1278
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	4.1 U	0.43 U	6.2	0.44 U	0.14 J
Acenaphthene	MG/KG	50	7.4	0.43 U	2.3	0.44 U	2.3 J
Acenaphthylene	MG/KG	41	9.7	0.43 U	2.1	0.44 U	2.8
Anthracene	MG/KG	50	21	0.43 U	5.4	0.44 U	5.6
Benzo(a)anthracene	MG/KG	0.224 or MDL	16	0.068	3.1	0.18	4.9
Benzo(a)pyrene	MG/KG	0.061 or MDL	12	0.051	2.0	0.19	4.0
Benzo(b)fluoranthene	MG/KG	1.1	12	0.065	1.8	0.20	4.5
Benzo(g,h,i)perylene	MG/KG	50	4.9	0.43 U	0.78 J	0.15 J	1.7
Benzo(k)fluoranthene	MG/KG	1.1	5.9	0.031 J	1.0	0.098	2.1
Chrysene	MG/KG	0.4	15	0.073 J	3.2	0.22 J	4.3
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	1.2	0.043 U	0.35	0.050	0.41
Fluoranthene	MG/KG	50	35	0.12 J	5.2	0.13 J	9.6
Fluorene	MG/KG	50	26	0.43 U	6.1	0.44 U	7.1
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	5.9	0.043 U	0.88	0.16	1.9
Naphthalene	MG/KG	13	12	0.43 U	24	0.44 U	0.87
Phenanthrene	MG/KG	50	64	0.43 U	15	0.080 J	14

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBME01':

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX001N	CSSWEX001S	CSSWEX002N	CSSWEX002S	CSSWEX003N
Sample ID			ICSSWEX001N	ICSSWEX001S	ICSSWEX002N	ICSSWEX002S	ICSSWEX003N
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			10/28/10	11/04/10	11/05/10	11/05/10	11/08/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	31	0.17 J	5.5	0.23 J	8.1
Total Semivolatile Organic Compounds	MG/KG	500	279	0.578	84.91	1.688	74.32
<b>Metals</b>							
Lead	MG/KG	SB	13.8	15.9	10.9	66.2	26.6
Mercury	MG/KG	0.1	0.030 J	0.057	0.037 U	0.048	0.047
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	81.2	76.2	82.0	75.1	81.0

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBME01':

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX003S	CSSWEX004N	CSSWEX004S	CSSWEX005N	CSSWEX005S
Sample ID			ICSSWEX003S	ICSSWEX004N	ICSSWEX004S	ICSSWEX005N	ICSSWEX005S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/08/10	11/10/10	11/10/10	12/28/10	11/15/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	0.0044	0.34 J	0.0040	1.2	0.0025 J
Ethylbenzene	MG/KG	5.5	0.0027	7.6	0.0019 U	3.0	0.0066 U
Toluene	MG/KG	1.5	0.00075 J	1.1	0.00047 J	0.75	0.0015 J
Xylene (total)	MG/KG	1.2	0.0059	22	0.0024 J	15	0.0026 J
Total Volatile Organic Compounds	MG/KG	10	0.01375	31.04	0.00687	19.95	0.0066
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	0.41 U	7.1	0.41 U	0.38 J	0.36
Acenaphthene	MG/KG	50	0.29 J	5.2	0.15 J	0.44	0.63
Acenaphthylene	MG/KG	41	0.41 U	13	0.41 U	1.2	0.20 J
Anthracene	MG/KG	50	0.41 U	14	0.41 U	1.5	0.21 J
Benzo(a)anthracene	MG/KG	0.224 or MDL	0.041 U	13	0.041 U	0.89	0.17 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	0.041 U	10	0.041 U	0.69	0.14 J
Benzo(b)fluoranthene	MG/KG	1.1	0.041 U	11	0.041 U	0.71	0.15 J
Benzo(g,h,i)perylene	MG/KG	50	0.41 U	6.1	0.41 U	0.32 J	0.54
Benzo(k)fluoranthene	MG/KG	1.1	0.041 U	5.6	0.041 U	0.31	0.058 J
Chrysene	MG/KG	0.4	0.41 U	11	0.41 U	0.81	0.13 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.041 U	1.5	0.041 U	0.10 J	0.37
Fluoranthene	MG/KG	50	0.41 U	26	0.41 U	1.8	0.45
Fluorene	MG/KG	50	0.41 U	17	0.41 U	1.7	0.33 J
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	0.041 U	6.8	0.041 U	0.36	0.58
Naphthalene	MG/KG	13	0.41 U	44	0.41 U	5.5	1.7
Phenanthrene	MG/KG	50	0.41 U	44	0.41 U	4.1	0.78

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBME01':

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX003S	CSSWEX004N	CSSWEX004S	CSSWEX005N	CSSWEX005S
Sample ID			ICSSWEX003S	ICSSWEX004N	ICSSWEX004S	ICSSWEX005N	ICSSWEX005S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/08/10	11/10/10	11/10/10	12/28/10	11/15/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	0.41 U	22	0.41 U	1.7	0.51
Total Semivolatile Organic Compounds	MG/KG	500	0.29	257.3	0.15	22.51	7.308
<b>Metals</b>							
Lead	MG/KG	SB	11.2	11.5	12.2	10.5	12.6
Mercury	MG/KG	0.1	0.032 J	0.039 U	0.040 U	0.036 U	0.040 J
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	79.5	77.7	81.0	81.0	76.2

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX006N	CSSWEX006S	CSSWEX007N	CSSWEX007S	CSSWEX009S
Sample ID			ICSSWEX006N	ICSSWEX006S	ICSSWEX007N	ICSSWEX007S	ICSSWEX009S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6	6.6-6.6
Date Sampled			11/16/10	11/16/10	12/27/10	11/18/10	12/07/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	0.081	0.0053 J	1.3	0.0062 U	0.014 J
Ethylbenzene	MG/KG	5.5	0.48	0.40	4.6	0.0062 U	0.0067 U
Toluene	MG/KG	1.5	0.0040 J	0.0053 J	1.2	0.0062 U	0.0067 U
Xylene (total)	MG/KG	1.2	0.37	0.42	13	0.0062 U	0.0018 J
Total Volatile Organic Compounds	MG/KG	10	0.935	0.8306	20.1	ND	0.0158
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	1.1	34	1.1	0.054 J	0.021 J
Acenaphthene	MG/KG	50	3.5	25	1.4	5.1	0.058 J
Acenaphthylene	MG/KG	41	0.10 J	2.0 J	1.2	1.4 J	0.36 U
Anthracene	MG/KG	50	1.5	14	1.4	4.5	0.36 U
Benzo(a)anthracene	MG/KG	0.224 or MDL	0.14 J	7.1	1.4	7.9	0.024 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	0.094 J	6.2	1.1	7.0	0.36 U
Benzo(b)fluoranthene	MG/KG	1.1	0.094 J	5.6	1.1	6.1	0.36 U
Benzo(g,h,i)perylene	MG/KG	50	1.0	6.1	0.66 J	4.7	0.36 UJ
Benzo(k)fluoranthene	MG/KG	1.1	0.72 U	2.1 J	0.63	2.4	0.36 U
Chrysene	MG/KG	0.4	0.11 J	6.8	1.1	7.4	0.029 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.72 U	3.7	0.17 J	2.4	0.36 U
Fluoranthene	MG/KG	50	1.8	17	2.7	16	0.033 J
Fluorene	MG/KG	50	2.8	15	2.2	4.6	0.36 U
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	1.1	6.5	0.66	4.9	0.36 U
Naphthalene	MG/KG	13	8.5	48	7.3	0.26 J	0.049 J
Phenanthrene	MG/KG	50	6.4	36	5.4	18	0.36 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX006N	CSSWEX006S	CSSWEX007N	CSSWEX007S	CSSWEX009S
Sample ID			ICSSWEX006N	ICSSWEX006S	ICSSWEX007N	ICSSWEX007S	ICSSWEX009S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	9.6-9.6	6.6-6.6	6.6-6.6
Date Sampled			11/16/10	11/16/10	12/27/10	11/18/10	12/07/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	1.1	18	2.7	23	0.027 J
Total Semivolatile Organic Compounds	MG/KG	500	29.338	253.1	32.22	115.714	0.241
<b>Metals</b>							
Lead	MG/KG	SB	15.2	11.7	13.4	13.1	29.0
Mercury	MG/KG	0.1	0.036 J	0.026 J	0.028 J	0.031 J	0.13
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	74.6	79.0	78.4	80.4	75.2

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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ND - Not detected. NA - Not analyzed.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX010N	CSSWEX010S	CSSWEX011S	CSSWEX012S	CSSWEX013S
Sample ID			ICSSWEX010N	ICSSWEX010S	ICSSWEX011S	ICSSWEX012S	ICSSWEX013S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-8.0	6.6-6.6	6.6-6.6	5.5-5.5	5.5-5.5
Date Sampled			12/29/10	12/07/10	12/09/10	12/10/10	12/13/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	6.9	0.0065 UJ	0.0065 U	0.00080 J	0.0061 U
Ethylbenzene	MG/KG	5.5	14	0.0065 U	0.0065 U	0.0062 U	0.0061 U
Toluene	MG/KG	1.5	24	0.0065 U	0.0065 U	0.0062 U	0.0061 U
Xylene (total)	MG/KG	1.2	84	0.0065 U	0.0029 J	0.0015 J	0.0061 U
Total Volatile Organic Compounds	MG/KG	10	128.9	ND	0.0029	0.0023	ND
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	44	0.038 J	0.12 J	0.037 J	0.029 J
Acenaphthene	MG/KG	50	11	1.2	0.52	0.029 J	0.034 J
Acenaphthylene	MG/KG	41	18	0.22 J	0.066 J	0.33 U	0.33 U
Anthracene	MG/KG	50	20	1.2	0.37	0.015 J	0.023 J
Benzo(a)anthracene	MG/KG	0.224 or MDL	17	1.3	0.47	0.016 J	0.016 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	12	1.2	0.35	0.33 U	0.011 J
Benzo(b)fluoranthene	MG/KG	1.1	12	1.2	0.36	0.33 U	0.010 J
Benzo(g,h,i)perylene	MG/KG	50	8.0 J	0.40 J	0.098 J	0.33 U	0.33 UJ
Benzo(k)fluoranthene	MG/KG	1.1	5.7	0.41	0.17 J	0.33 U	0.33 U
Chrysene	MG/KG	0.4	16	1.2	0.40	0.33 U	0.33 U
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	2.3 J	0.11 J	0.35 U	0.33 U	0.33 UJ
Fluoranthene	MG/KG	50	31	2.7	1.3	0.030 J	0.037 J
Fluorene	MG/KG	50	28	0.70	0.38	0.020 J	0.33 U
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	8.0	0.41	0.11 J	0.33 U	0.33 UJ
Naphthalene	MG/KG	13	130	0.16 J	0.23 J	0.12 J	0.11 J
Phenanthrene	MG/KG	50	66	1.3	0.71	0.065 J	0.061 J

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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**Detection Limits shown are PQL**

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBME010':

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX010N	CSSWEX010S	CSSWEX011S	CSSWEX012S	CSSWEX013S
Sample ID			ICSSWEX010N	ICSSWEX010S	ICSSWEX011S	ICSSWEX012S	ICSSWEX013S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-8.0	6.6-6.6	6.6-6.6	5.5-5.5	5.5-5.5
Date Sampled			12/29/10	12/07/10	12/09/10	12/10/10	12/13/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	31	3.0	1.0	0.024 J	0.027 J
Total Semivolatile Organic Compounds	MG/KG	500	460	16.748	6.654	0.356	0.358
<b>Metals</b>							
Lead	MG/KG	SB	11.4	16.4	14.4	10.8	12.3
Mercury	MG/KG	0.1	0.047	0.059 J	0.035 J	0.062 U	0.059 U
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	79.3	76.5	77.4	81.3	82.4

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX014S	CSSWEX015S	CSSWEX016S	CSSWEX017S	CSSWEX018S
Sample ID			ICSSWEX014S	ICSSWEX015S	ICSSWEX016S	ICSSWEX017S	ICSSWEX018S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-6.0	6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			12/14/10	12/15/10	12/16/10	12/17/10	12/20/10
Parameter	Units	Criteria*					
<b>Volatile Organic Compounds</b>							
Benzene	MG/KG	0.06 or MDL	0.0065 U	0.0067 U	0.0071 U	0.0066 U	0.0068 U
Ethylbenzene	MG/KG	5.5	0.0065 U	0.0067 U	0.0071 U	0.0066 U	0.0010 J
Toluene	MG/KG	1.5	0.0065 U	0.0067 U	0.0071 U	0.0066 U	0.0068 U
Xylene (total)	MG/KG	1.2	0.0065 U	0.0067 U	0.0071 U	0.0066 U	0.0063 J
Total Volatile Organic Compounds	MG/KG	10	ND	ND	ND	ND	0.0073
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	MG/KG	36.4	0.043 J	0.21 J	1.4	0.44 U	0.45 U
Acenaphthene	MG/KG	50	0.20 J	0.25 J	0.45	0.44 U	0.45 U
Acenaphthylene	MG/KG	41	0.049 J	0.046 J	0.38 U	0.44 U	0.45 U
Anthracene	MG/KG	50	0.22 J	0.26 J	0.38 U	0.44 U	0.45 U
Benzo(a)anthracene	MG/KG	0.224 or MDL	0.15 J	0.20 J	0.38 U	0.044 U	0.045 U
Benzo(a)pyrene	MG/KG	0.061 or MDL	0.14 J	0.18 J	0.38 U	0.044 U	0.045 U
Benzo(b)fluoranthene	MG/KG	1.1	0.22 J	0.18 J	0.38 U	0.044 U	0.045 U
Benzo(g,h,i)perylene	MG/KG	50	0.087 J	0.066 J	0.38 U	0.44 U	0.45 U
Benzo(k)fluoranthene	MG/KG	1.1	0.10 J	0.081 J	0.38 U	0.044 U	0.045 U
Chrysene	MG/KG	0.4	0.16 J	0.19 J	0.38 U	0.44 U	0.45 U
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.35 U	0.36 U	0.38 U	0.044 U	0.045 U
Fluoranthene	MG/KG	50	0.39	0.44	0.38 U	0.44 U	0.45 U
Fluorene	MG/KG	50	0.25 J	0.19 J	0.069 J	0.44 U	0.45 U
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	0.11 J	0.075 J	0.38 U	0.044 U	0.045 U
Naphthalene	MG/KG	13	0.23 J	0.30 J	0.060 J	0.44 U	0.45 U
Phenanthrene	MG/KG	50	0.14 J	0.75	0.38 U	0.44 U	0.45 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT (LOCID) LIKE 'EX008' OR [LOCID] = 'CSBME010':

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX014S	CSSWEX015S	CSSWEX016S	CSSWEX017S	CSSWEX018S
Sample ID			ICSSWEX014S	ICSSWEX015S	ICSSWEX016S	ICSSWEX017S	ICSSWEX018S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-6.0	6.0-6.0	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			12/14/10	12/15/10	12/16/10	12/17/10	12/20/10
Parameter	Units	Criteria*					
<b>Semivolatile Organic Compounds</b>							
Pyrene	MG/KG	50	0.36	0.39	0.38 U	0.44 U	0.45 U
Total Semivolatile Organic Compounds	MG/KG	500	2.849	3.808	1.979	ND	ND
<b>Metals</b>							
Lead	MG/KG	SB	21.6	14.7	15.2	11.4	11.2
Mercury	MG/KG	0.1	0.11	0.036 J	0.046 J	0.030 J	0.050 J
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	76.8	75.2	70.8	75.8	73.6

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

Advanced Selection: Fall wo qe

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX019S
Sample ID			ICSSWEX019S
Matrix			Soil
Depth Interval (ft)			6.6-6.6
Date Sampled			12/21/10
Parameter	Units	Criteria*	
<b>Volatile Organic Compounds</b>			
Benzene	MG/KG	0.06 or MDL	0.0011 U
Ethylbenzene	MG/KG	5.5	0.0011 U
Toluene	MG/KG	1.5	0.0011 U
Xylene (total)	MG/KG	1.2	0.0033 U
Total Volatile Organic Compounds	MG/KG	10	ND
<b>Semivolatile Organic Compounds</b>			
2-Methylnaphthalene	MG/KG	36.4	0.42 U
Acenaphthene	MG/KG	50	0.42 U
Acenaphthylene	MG/KG	41	0.42 U
Anthracene	MG/KG	50	0.42 U
Benzo(a)anthracene	MG/KG	0.224 or MDL	0.042 U
Benzo(a)pyrene	MG/KG	0.061 or MDL	0.042 U
Benzo(b)fluoranthene	MG/KG	1.1	0.042 U
Benzo(g,h,i)perylene	MG/KG	50	0.42 U
Benzo(k)fluoranthene	MG/KG	1.1	0.042 U
Chrysene	MG/KG	0.4	0.42 U
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.042 U
Fluoranthene	MG/KG	50	0.42 U
Fluorene	MG/KG	50	0.42 U
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	0.042 U
Naphthalene	MG/KG	13	0.42 U
Phenanthrene	MG/KG	50	0.42 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

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[LOGDATE] >= #10/28/2010# AND [MATRIX] = 'SO' AND NOT ([LOCID] LIKE "EX008" OR [LOCID] = 'CSBMEX01:

**TABLE 3**  
**VALIDATED SOIL SAMPLE RESULTS - BTEX, PAHs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

<b>Location ID</b>			CSSWEX019S
<b>Sample ID</b>			ICSSWEX019S
<b>Matrix</b>			Soil
<b>Depth Interval (ft)</b>			6.6-6.6
<b>Date Sampled</b>			12/21/10
<b>Parameter</b>	<b>Units</b>	<b>Criteria*</b>	
<b>Semivolatile Organic Compounds</b>			
Pyrene	MG/KG	50	0.42 U
Total Semivolatile Organic Compounds	MG/KG	500	ND
<b>Metals</b>			
Lead	MG/KG	SB	15.5
Mercury	MG/KG	0.1	0.040
<b>Miscellaneous Parameters</b>			
Solids, Percent	%	-	78.5

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX008	CSBMEX008	CSBMEX013	CSBMEX013	CSSWEX008S
Sample ID			ICSBMEX008	ICSBMEXDP008	ICSBMEX013	ICSBMEX013DUP	ICSSWEX008S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/29/10	11/29/10	12/13/10	12/13/10	11/29/10
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>							
1,1,1-Trichloroethane	MG/KG	0.8	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.63 UJ	0.66 UJ	0.0062 U	0.0061 U	0.0065 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,1,2-Trichloroethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,1-Dichloroethane	MG/KG	0.2	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,1-Dichloroethene	MG/KG	0.4	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.63 UJ	0.66 UJ	0.012 U	0.012 UJ	0.013 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
1,2-Dichlorobenzene	MG/KG	7.9	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
1,2-Dichloroethane	MG/KG	0.1	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 UJ
1,2-Dichloroethene (cis)	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,2-Dichloroethene (trans)	MG/KG	0.3	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,2-Dichloropropane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,3-Dichlorobenzene	MG/KG	1.6	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
1,3-Dichloropropene (cis)	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,3-Dichloropropene (trans)	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
1,4-Dichlorobenzene	MG/KG	8.5	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
2-Hexanone	MG/KG	-	0.63 U	0.66 U	0.012 U	0.012 U	0.013 U
4-Methyl-2-pentanone	MG/KG	1	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Acetone	MG/KG	0.2	1.6 U	1.7 U	0.025 U	0.025 U	0.16 J
Benzene	MG/KG	0.06 or MDL	0.25 J	0.48 J	0.0043 J	0.0046 J	0.0065 U
Bromodichloromethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 UJ
Bromoform	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ
Bromomethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX008	CSBMEX008	CSBMEX013	CSBMEX013	CSSWEX008S
Sample ID			ICSBMEX008	ICSBMEXDP008	ICSBMEX013	ICSBMEX013DUP	ICSSWEX008S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/29/10	11/29/10	12/13/10	12/13/10	11/29/10
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>							
Carbon disulfide	MG/KG	2.7	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
Carbon tetrachloride	MG/KG	0.6	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ
Chlorobenzene	MG/KG	1.7	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 UJ
Chloroethane	MG/KG	1.9	0.63 UJ	0.66 UJ	0.0062 U	0.0061 U	0.0065 U
Chloroform	MG/KG	0.3	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Chloromethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Cyclohexane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
Dibromochloromethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ
Dichlorodifluoromethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 UJ
Ethylbenzene	MG/KG	5.5	0.45 J	1.3	0.0062 U	0.0061 U	0.0016 J
Isopropylbenzene (Cumene)	MG/KG	2.3	0.091 J	0.24 J	0.0062 U	0.00028 J	0.00059 J
Methyl acetate	MG/KG	-	0.63 U	0.66 U	R	R	0.0065 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	0.63 U	0.66 U	0.012 U	0.012 U	0.025 J
Methyl tert-butyl ether	MG/KG	0.12	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Methylcyclohexane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
Methylene chloride	MG/KG	0.1	0.63 U	0.66 U	0.025 U	0.025 UJ	0.026 UJ
Styrene	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Tetrachloroethene	MG/KG	1.4	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Toluene	MG/KG	1.5	0.48 J	1.3	0.0062 U	0.0061 U	0.0065 U
Trichloroethene	MG/KG	0.7	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 U
Trichlorofluoromethane	MG/KG	-	0.63 U	0.66 U	0.0062 U	0.0061 UJ	0.0065 U
Vinyl chloride	MG/KG	0.2	0.63 U	0.66 U	0.0062 U	0.0061 U	0.0065 UJ
Xylene (total)	MG/KG	1.2	1.0	2.5	0.0062 U	0.00088 J	0.0041 J
Total BTEX	MG/KG	10	2.18	5.58	0.0043	0.00548	0.0057
Total Volatile Organic Compounds	MG/KG	10	2.271	5.82	0.0043	0.00576	0.19129

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX008	CSBMEX008	CSBMEX013	CSBMEX013	CSSWEX008S
Sample ID			ICSBMEX008	ICSBMEXDP008	ICSBMEX013	ICSBMEX013DUP	ICSSWEX008S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/29/10	11/29/10	12/13/10	12/13/10	11/29/10
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
<b>Semivolatile Organic Compounds</b>							
1,1-Biphenyl	MG/KG	-	2.4	1.4	0.33 U	0.33 U	0.35 U
2,2-oxybis(1-Chloropropane)	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
2,4,5-Trichlorophenol	MG/KG	0.1	8.6 U	9.0 U	2.1 U	2.1 U	2.2 U
2,4,6-Trichlorophenol	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
2,4-Dichlorophenol	MG/KG	0.4	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
2,4-Dimethylphenol	MG/KG	-	0.16 J	0.17 J	0.33 U	0.33 U	0.35 U
2,4-Dinitrophenol	MG/KG	0.2 or MDL	8.6 U	9.0 U	2.1 U	2.1 U	2.2 UJ
2,4-Dinitrotoluene	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 UJ
2,6-Dinitrotoluene	MG/KG	1	1.4 U	1.4 U	0.33 U	0.33 U	0.35 UJ
2-Chloronaphthalene	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
2-Chlorophenol	MG/KG	0.8	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
2-Methylnaphthalene	MG/KG	36.4	17	11	0.014 J	0.012 J	0.055 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	0.16 J	0.10 J	0.33 U	0.33 U	0.35 U
2-Nitroaniline	MG/KG	0.43 or MDL	3.4 U	3.6 U	0.82 U	0.82 U	0.86 U
2-Nitrophenol	MG/KG	0.33 or MDL	1.4 U	1.4 U	0.33 U	0.33 U	0.35 UJ
3,3-Dichlorobenzidine	MG/KG	-	1.7 U	1.7 U	0.41 U	0.40 U	0.43 UJ
3-Nitroaniline	MG/KG	0.5 or MDL	3.4 UJ	3.6 UJ	0.82 U	0.82 U	0.86 UJ
4,6-Dinitro-2-methylphenol	MG/KG	-	8.6 U	9.0 U	2.1 U	2.1 U	2.2 UJ
4-Bromophenyl-phenylether	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
4-Chloro-3-methylphenol	MG/KG	0.24 or MDL	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
4-Chloroaniline	MG/KG	0.22 or MDL	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
4-Chlorophenyl-phenylether	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
4-Methylphenol (p-cresol)	MG/KG	0.9	0.20 J	0.16 J	0.33 U	0.33 U	0.35 U
4-Nitroaniline	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 UJ
4-Nitrophenol	MG/KG	0.1 or MDL	8.6 U	9.0 U	2.1 U	2.1 U	2.2 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX008	CSBMEX008	CSBMEX013	CSBMEX013	CSSWEX008S
Sample ID			ICSBMEX008	ICSBMEXDP008	ICSBMEX013	ICSBMEX013DUP	ICSSWEX008S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/29/10	11/29/10	12/13/10	12/13/10	11/29/10
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
<b>Semivolatile Organic Compounds</b>							
Acenaphthene	MG/KG	50	12	7.7	0.039 J	0.026 J	0.079 J
Acenaphthylene	MG/KG	41	2.2	1.5	0.33 U	0.33 U	0.35 U
Acetophenone	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Anthracene	MG/KG	50	7.0	4.9	0.33 U	0.33 U	0.017 J
Atrazine	MG/KG	-	1.7 U	1.7 U	0.41 U	0.40 U	0.43 U
Benzaldehyde	MG/KG	-	2.7 J	1.4 J	0.33 U	0.33 U	0.077 J
Benzo(a)anthracene	MG/KG	0.224 or MDL	5.6	2.9	0.33 U	0.33 U	0.028 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	5.4	2.8	0.33 U	0.33 U	0.35 U
Benzo(b)fluoranthene	MG/KG	1.1	5.6	3.0	0.33 U	0.33 U	0.35 U
Benzo(g,h,i)perylene	MG/KG	50	3.9	3.0	0.33 U	0.33 U	0.35 U
Benzo(k)fluoranthene	MG/KG	1.1	2.1	1.2 J	0.33 U	0.33 U	0.35 U
bis(2-Chloroethoxy)methane	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
bis(2-Chloroethyl)ether	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.15 J	1.4 U	0.33 U	0.33 U	0.35 U
Butylbenzylphthalate	MG/KG	50	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Caprolactam	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Carbazole	MG/KG	-	1.4	1.6	0.33 U	0.33 U	0.35 U
Chrysene	MG/KG	0.4	5.3	2.8	0.33 U	0.33 U	0.031 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	2.7	2.5	0.33 U	0.33 U	0.35 U
Dibenzofuran	MG/KG	6.2	2.7	2.9	0.33 U	0.33 U	0.35 U
Diethylphthalate	MG/KG	7.1	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Dimethylphthalate	MG/KG	2	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Di-n-butylphthalate	MG/KG	8.1	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Di-n-octylphthalate	MG/KG	50	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Fluoranthene	MG/KG	50	12	8.0	0.33 U	0.33 U	0.049 J

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**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSBMEX008	CSBMEX008	CSBMEX013	CSBMEX013	CSSWEX008S
Sample ID			ICSBMEX008	ICSBMEXDP008	ICSBMEX013	ICSBMEX013DUP	ICSSWEX008S
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6	6.6-6.6
Date Sampled			11/29/10	11/29/10	12/13/10	12/13/10	11/29/10
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
<b>Semivolatile Organic Compounds</b>							
Fluorene	MG/KG	50	8.0	5.0	0.33 U	0.33 U	0.022 J
Hexachlorobenzene	MG/KG	0.41	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Hexachlorobutadiene	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Hexachlorocyclopentadiene	MG/KG	-	3.4 UJ	3.6 UJ	0.82 UJ	0.82 UJ	0.86 UJ
Hexachloroethane	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 UJ
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	4.2	3.1	0.33 U	0.33 U	0.35 U
Isophorone	MG/KG	4.4	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Naphthalene	MG/KG	13	26	22	0.056 J	0.062 J	0.15 J
Nitrobenzene	MG/KG	0.2 or MDL	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
N-Nitroso-di-n-propylamine	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
N-Nitrosodiphenylamine	MG/KG	-	1.4 U	1.4 U	0.33 U	0.33 U	0.35 U
Pentachlorophenol	MG/KG	1 or MDL	3.4 U	3.6 U	0.82 U	0.82 U	0.86 U
Phenanthrene	MG/KG	50	20	15	0.33 U	0.33 U	0.059 J
Phenol	MG/KG	0.03 or MDL	0.12 J	1.4 U	0.33 U	0.33 U	0.35 U
Pyrene	MG/KG	50	13	7.9	0.33 U	0.33 U	0.052 J
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	152	104.3	0.109	0.1	0.542
Total Semivolatile Organic Compounds	MG/KG	500	161.99	112.03	0.109	0.1	0.619
<b>Metals</b>							
Lead	MG/KG	SB	20.0 J	53.6 J	9.6	8.5	16.6
Mercury	MG/KG	0.1	0.092	0.11	0.061 U	0.060 U	0.073
<b>Miscellaneous Parameters</b>							
Solids, Percent	%	-	78.8	75.1	81.1	81.6	77.5

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MDL - Method detection limit. SB - Site background. - = No criteria.

J - The reported concentration is an estimated value. U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

R - Rejected. ND - Not detected. NA - Not analyzed.

Made By GEK 02/23/2011 Checked By AMK 02/23/2011

**Detection Limits shown are PQL**

**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

<b>Location ID</b>			<b>CSSWEX008S</b>
<b>Sample ID</b>			<b>ICSSWEXDP008S</b>
<b>Matrix</b>			<b>Soil</b>
<b>Depth Interval (ft)</b>			<b>6.6-6.6</b>
<b>Date Sampled</b>			<b>11/29/10</b>
<b>Parameter</b>	<b>Units</b>	<b>Criteria*</b>	Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>			
1,1,1-Trichloroethane	MG/KG	0.8	0.0067 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.0067 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.0067 U
1,1,2-Trichloroethane	MG/KG	-	0.0067 U
1,1-Dichloroethane	MG/KG	0.2	0.0067 U
1,1-Dichloroethene	MG/KG	0.4	0.0067 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.0067 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.0067 U
1,2-Dichlorobenzene	MG/KG	7.9	0.0067 U
1,2-Dichloroethane	MG/KG	0.1	0.0067 UJ
1,2-Dichloroethene (cis)	MG/KG	-	0.0067 U
1,2-Dichloroethene (trans)	MG/KG	0.3	0.0067 U
1,2-Dichloropropane	MG/KG	-	0.0067 U
1,3-Dichlorobenzene	MG/KG	1.6	0.0067 U
1,3-Dichloropropene (cis)	MG/KG	-	0.0067 U
1,3-Dichloropropene (trans)	MG/KG	-	0.0067 U
1,4-Dichlorobenzene	MG/KG	8.5	0.0067 U
2-Hexanone	MG/KG	-	0.013 U
4-Methyl-2-pentanone	MG/KG	1	0.0067 U
Acetone	MG/KG	0.2	0.15 J
Benzene	MG/KG	0.06 or MDL	0.0067 U
Bromodichloromethane	MG/KG	-	0.0067 UJ
Bromoform	MG/KG	-	0.0067 UJ
Bromomethane	MG/KG	-	0.0067 UJ

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

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Made By GEK 02/23/2011 Checked By AMK 02/23/2011

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX008S
Sample ID			ICSSWEXDP008S
Matrix			Soil
Depth Interval (ft)			6.6-6.6
Date Sampled			11/29/10
Parameter	Units	Criteria*	Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>			
Carbon disulfide	MG/KG	2.7	0.0067 U
Carbon tetrachloride	MG/KG	0.6	0.0067 UJ
Chlorobenzene	MG/KG	1.7	0.0067 UJ
Chloroethane	MG/KG	1.9	0.0067 U
Chloroform	MG/KG	0.3	0.0067 U
Chloromethane	MG/KG	-	0.0067 U
Cyclohexane	MG/KG	-	0.0067 U
Dibromochloromethane	MG/KG	-	0.0067 UJ
Dichlorodifluoromethane	MG/KG	-	0.0067 U
Ethylbenzene	MG/KG	5.5	0.0067 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.0067 U
Methyl acetate	MG/KG	-	0.0067 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.3	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.12	0.0067 U
Methylcyclohexane	MG/KG	-	0.0067 U
Methylene chloride	MG/KG	0.1	0.027 U
Styrene	MG/KG	-	0.0067 U
Tetrachloroethene	MG/KG	1.4	0.0067 U
Toluene	MG/KG	1.5	0.0067 U
Trichloroethene	MG/KG	0.7	0.0067 U
Trichlorofluoromethane	MG/KG	-	0.0067 U
Vinyl chloride	MG/KG	0.2	0.0067 UJ
Xylene (total)	MG/KG	1.2	0.0076 J
Total BTEX	MG/KG	10	0.0076
Total Volatile Organic Compounds	MG/KG	10	0.1576

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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**Detection Limits shown are PQL**

**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX008S
Sample ID			ICSSWEXDP008S
Matrix			Soil
Depth Interval (ft)			6.6-6.6
Date Sampled			11/29/10
Parameter	Units	Criteria*	Field Duplicate (1-1)
<b>Semivolatile Organic Compounds</b>			
1,1-Biphenyl	MG/KG	-	0.027 J
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.36 U
2,4,5-Trichlorophenol	MG/KG	0.1	2.3 U
2,4,6-Trichlorophenol	MG/KG	-	0.36 U
2,4-Dichlorophenol	MG/KG	0.4	0.36 U
2,4-Dimethylphenol	MG/KG	-	0.36 U
2,4-Dinitrophenol	MG/KG	0.2 or MDL	2.3 UJ
2,4-Dinitrotoluene	MG/KG	-	0.36 UJ
2,6-Dinitrotoluene	MG/KG	1	0.36 UJ
2-Chloronaphthalene	MG/KG	-	0.36 U
2-Chlorophenol	MG/KG	0.8	0.36 U
2-Methylnaphthalene	MG/KG	36.4	0.10 J
2-Methylphenol (o-cresol)	MG/KG	0.1 or MDL	0.36 U
2-Nitroaniline	MG/KG	0.43 or MDL	0.89 U
2-Nitrophenol	MG/KG	0.33 or MDL	0.36 UJ
3,3-Dichlorobenzidine	MG/KG	-	0.44 UJ
3-Nitroaniline	MG/KG	0.5 or MDL	0.89 UJ
4,6-Dinitro-2-methylphenol	MG/KG	-	2.3 UJ
4-Bromophenyl-phenylether	MG/KG	-	0.36 U
4-Chloro-3-methylphenol	MG/KG	0.24 or MDL	0.36 U
4-Chloroaniline	MG/KG	0.22 or MDL	0.36 U
4-Chlorophenyl-phenylether	MG/KG	-	0.36 U
4-Methylphenol (p-cresol)	MG/KG	0.9	0.36 U
4-Nitroaniline	MG/KG	-	0.36 UJ
4-Nitrophenol	MG/KG	0.1 or MDL	2.3 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

Location ID			CSSWEX008S
Sample ID			ICSSWEXDP008S
Matrix			Soil
Depth Interval (ft)			6.6-6.6
Date Sampled			11/29/10
Parameter	Units	Criteria*	Field Duplicate (1-1)
<b>Semivolatile Organic Compounds</b>			
Acenaphthene	MG/KG	50	0.15 J
Acenaphthylene	MG/KG	41	0.026 J
Acetophenone	MG/KG	-	0.36 U
Anthracene	MG/KG	50	0.048 J
Atrazine	MG/KG	-	0.44 U
Benzaldehyde	MG/KG	-	0.071 J
Benzo(a)anthracene	MG/KG	0.224 or MDL	0.092 J
Benzo(a)pyrene	MG/KG	0.061 or MDL	0.094 J
Benzo(b)fluoranthene	MG/KG	1.1	0.12 J
Benzo(g,h,i)perylene	MG/KG	50	0.57
Benzo(k)fluoranthene	MG/KG	1.1	0.048 J
bis(2-Chloroethoxy)methane	MG/KG	-	0.36 U
bis(2-Chloroethyl)ether	MG/KG	-	0.36 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.36 U
Butylbenzylphthalate	MG/KG	50	0.36 U
Caprolactam	MG/KG	-	0.36 U
Carbazole	MG/KG	-	0.021 J
Chrysene	MG/KG	0.4	0.086 J
Dibenz(a,h)anthracene	MG/KG	0.014 or MDL	0.59
Dibenzofuran	MG/KG	6.2	0.052 J
Diethylphthalate	MG/KG	7.1	0.36 U
Dimethylphthalate	MG/KG	2	0.36 U
Di-n-butylphthalate	MG/KG	8.1	0.36 U
Di-n-octylphthalate	MG/KG	50	0.36 U
Fluoranthene	MG/KG	50	0.17 J

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**TABLE 4**  
**VALIDATED SOIL SAMPLE RESULTS - TCL VOCs, TCL SVOCs, MERCURY AND LEAD**  
**ITHACA COURT STREET FORMER MGP SITE**

<b>Location ID</b>			<b>CSSWEX008S</b>
<b>Sample ID</b>			<b>ICSSWEXDP008S</b>
<b>Matrix</b>			<b>Soil</b>
<b>Depth Interval (ft)</b>			<b>6.6-6.6</b>
<b>Date Sampled</b>			<b>11/29/10</b>
<b>Parameter</b>	<b>Units</b>	<b>Criteria*</b>	Field Duplicate (1-1)
<b>Semivolatile Organic Compounds</b>			
Fluorene	MG/KG	50	0.078 J
Hexachlorobenzene	MG/KG	0.41	0.36 U
Hexachlorobutadiene	MG/KG	-	0.36 U
Hexachlorocyclopentadiene	MG/KG	-	0.89 UJ
Hexachloroethane	MG/KG	-	0.36 UJ
Indeno(1,2,3-cd)pyrene	MG/KG	3.2	0.58
Isophorone	MG/KG	4.4	0.36 U
Naphthalene	MG/KG	13	0.36
Nitrobenzene	MG/KG	0.2 or MDL	0.36 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.36 U
N-Nitrosodiphenylamine	MG/KG	-	0.36 U
Pentachlorophenol	MG/KG	1 or MDL	0.89 U
Phenanthrene	MG/KG	50	0.20 J
Phenol	MG/KG	0.03 or MDL	0.36 U
Pyrene	MG/KG	50	0.14 J
Total Polycyclic Aromatic Hydrocarbons	MG/KG	500	3.452
Total Semivolatile Organic Compounds	MG/KG	500	3.623
<b>Metals</b>			
Lead	MG/KG	SB	15.6
Mercury	MG/KG	0.1	0.065
<b>Miscellaneous Parameters</b>			
Solids, Percent	%	-	75.0

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**APPENDIX A**  
**VALIDATED FORM I's**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13859-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX001 Lab Sample ID: 220-13859-1  
 Matrix: Solid Lab File ID: j95143.d  
 Analysis Method: 8260B Date Collected: 10/28/2010 12:00  
 Sample wt/vol: 5.82(g) Date Analyzed: 11/03/2010 12:11  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10 (mL) GC Column: DB-624 ID: 0.53 (mm)  
 % Moisture: 20.7 Level: (low/med) Medium  
 Analysis Batch No.: 54317 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1700		110	13
108-88-3	Toluene	1100		110	10
100-41-4	Ethylbenzene	4900		110	27
1330-20-7	Xylenes, Total	23000		320	47

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		57-135
2037-26-5	Toluene-d8 (Surr)	103		46-130
460-00-4	4-Bromofluorobenzene	92		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13859-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX001 Lab Sample ID: 220-13859-1  
 Matrix: Solid Lab File ID: p6779.d  
 Analysis Method: 8270C Date Collected: 10/28/2010 12:00  
 Extract. Method: 3541 Date Extracted: 11/03/2010 07:07  
 Sample wt/vol: 15.04(g) Date Analyzed: 11/03/2010 14:08  
 Con. Extract Vol.: 1(mL) Dilution Factor: 20  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 20.7 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 54385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	100000		8300	1200
91-57-6	2-Methylnaphthalene	4600	J	8300	1200
208-96-8	Acenaphthylene	17000		8300	1200
83-32-9	Acenaphthene	6500	J	8300	1200
86-73-7	Fluorene	27000		8300	1400
85-01-8	Phenanthrene	73000		8300	1500
120-12-7	Anthracene	23000		8300	1500
206-44-0	Fluoranthene	41000		8300	1400
129-00-0	Pyrene	37000		8300	1400
56-55-3	Benzo[a]anthracene	17000		830	150
218-01-9	Chrysene	14000		8300	1200
205-99-2	Benzo[b]fluoranthene	14000		830	120
207-08-9	Benzo[k]fluoranthene	7000		830	120
50-32-8	Benzo[a]pyrene	14000		830	100
193-39-5	Indeno[1,2,3-cd]pyrene	6800		830	130
53-70-3	Dibenz(a,h)anthracene	1900		830	100
191-24-2	Benzo[g,h,i]perylene	5900	J	8300	880

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	0	D	38-105
4165-62-2	Phenol-d5	0	D	41-118
1718-51-0	Terphenyl-d14	0	D	16-151
118-79-6	2,4,6-Tribromophenol	0	D	10-120
367-12-4	2-Fluorophenol	0	D	37-125
321-60-8	2-Fluorobiphenyl	0	D	40-109



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICBMEX002 Lab Sample ID: 220-13952-2  
 Matrix: Solid Lab File ID: d24490.d  
 Analysis Method: 8260B Date Collected: 11/05/2010 15:00  
 Sample wt/vol: 5.70(g) Date Analyzed: 11/10/2010 23:54  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25(mm)  
 % Moisture: 21.9 Level: (low/med) Low  
 Analysis Batch No.: 55274 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	17		1.1	0.83
108-88-3	Toluene	0.56	J	1.1	0.34
100-41-4	Ethylbenzene	3.4		1.1	0.21
1330-20-7	Xylenes, Total	5.1		3.4	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-138
2037-26-5	Toluene-d8 (Surr)	94		66-126
460-00-4	4-Bromofluorobenzene	90		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICBMEX002 Lab Sample ID: 220-13952-2  
 Matrix: Solid Lab File ID: u63098.d  
 Analysis Method: 8270C Date Collected: 11/05/2010 15:00  
 Extract. Method: 3541 Date Extracted: 11/11/2010 11:00  
 Sample wt/vol: 15.02(g) Date Analyzed: 11/13/2010 03:25  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 21.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55709 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	910		420	62
91-57-6	2-Methylnaphthalene	330	J	420	62
208-96-8	Acenaphthylene	170	J	420	61
83-32-9	Acenaphthene	690		420	60
86-73-7	Fluorene	510		420	72
85-01-8	Phenanthrene	1900		420	74
120-12-7	Anthracene	520		420	75
206-44-0	Fluoranthene	700		420	70
129-00-0	Pyrene	840		420	73
56-55-3	Benzo[a]anthracene	420		42	7.8
218-01-9	Chrysene	380	J	420	62
205-99-2	Benzo[b]fluoranthene	400		42	6.3
207-08-9	Benzo[k]fluoranthene	200		42	5.9
50-32-8	Benzo[a]pyrene	360		42	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	220		42	6.8
53-70-3	Dibenz(a,h)anthracene	52		42	5.1
191-24-2	Benzo[g,h,i]perylene	210	J	420	45

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	85		38-105
4165-62-2	Phenol-d5	63		41-118
1718-51-0	Terphenyl-d14	91		16-151
118-79-6	2,4,6-Tribromophenol	52		10-120
367-12-4	2-Fluorophenol	60		37-125
321-60-8	2-Fluorobiphenyl	94		40-109

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICBMEX002 Lab Sample ID: 220-13952-2  
 Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/05/2010 15:00  
 Reporting Basis: DRY Date Received: 11/06/2010 09:55  
 % Solids: 78.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	11.1	1.2	0.58	mg/Kg			4	6010B
7439-97-6	Mercury	0.039	0.039	0.031	mg/Kg	U		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX003 Lab Sample ID: 220-13957-1  
 Matrix: Solid Lab File ID: o42438.d  
 Analysis Method: 8260B Date Collected: 11/08/2010 12:50  
 Sample wt/vol: 5.32(g) Date Analyzed: 11/18/2010 03:56  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18(mm)  
 % Moisture: 27.6 Level: (low/med) Low  
 Analysis Batch No.: 56050 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	7.3		1.3	0.96
108-88-3	Toluene	2.7		1.3	0.39
100-41-4	Ethylbenzene	23		1.3	0.25
1330-20-7	Xylenes, Total	29		3.9	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-138
2037-26-5	Toluene-d8 (Surr)	93		66-126
460-00-4	4-Bromofluorobenzene	108		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX003 Lab Sample ID: 220-13957-1  
 Matrix: Solid Lab File ID: p7182.d  
 Analysis Method: 8270C Date Collected: 11/08/2010 12:50  
 Extract. Method: 3541 Date Extracted: 11/16/2010 12:00  
 Sample wt/vol: 15.00(g) Date Analyzed: 11/19/2010 16:02  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 27.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 56294 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1000		460	67
91-57-6	2-Methylnaphthalene	100	J	460	67
208-96-8	Acenaphthylene	280	J	460	65
83-32-9	Acenaphthene	820	J	460	65
86-73-7	Fluorene	610		460	77
85-01-8	Phenanthrene	840		460	80
120-12-7	Anthracene	200	J	460	81
206-44-0	Fluoranthene	360	J	460	76
129-00-0	Pyrene	300	J	460	79
56-55-3	Benzo[a]anthracene	140		46	8.5
218-01-9	Chrysene	120	J	460	66
205-99-2	Benzo[b]fluoranthene	110		46	6.8
207-08-9	Benzo[k]fluoranthene	62		46	6.4
50-32-8	Benzo[a]pyrene	100		46	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	46	U	46	7.3
53-70-3	Dibenz[a,h]anthracene	46	U	46	5.5
191-24-2	Benzo[g,h,i]perylene	460	U	460	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		38-105
4165-62-2	Phenol-d5	87		41-118
1718-51-0	Terphenyl-d14	93		16-151
118-79-6	2,4,6-Tribromophenol	75		10-120
367-12-4	2-Fluorophenol	71		37-125
321-60-8	2-Fluorobiphenyl	84		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 004 Lab Sample ID: 220-13992-1  
 Matrix: Solid Lab File ID: o42288.d  
 Analysis Method: 8260B Date Collected: 11/10/2010 12:00  
 Sample wt/vol: 5.45(g) Date Analyzed: 11/13/2010 05:23  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 500  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.18(mm)  
 % Moisture: 25.8 Level: (low/med) Medium  
 Analysis Batch No.: 55582 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1200		1200	150
108-88-3	Toluene	4600		1200	120
100-41-4	Ethylbenzene	8600		1200	300
1330-20-7	Xylenes, Total	33000		3700	540

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		57-135
2037-26-5	Toluene-d8 (Surr)	95		46-130
460-00-4	4-Bromofluorobenzene	107		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 004 Lab Sample ID: 220-13992-1  
 Matrix: Solid Lab File ID: u63189.d  
 Analysis Method: 8270C Date Collected: 11/10/2010 12:00  
 Extract. Method: 3541 Date Extracted: 11/15/2010 14:00  
 Sample wt/vol: 15.03(g) Date Analyzed: 11/16/2010 19:24  
 Con. Extract Vol.: 1(mL) Dilution Factor: 10  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 25.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55977 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89000		4400	650
91-57-6	2-Methylnaphthalene	20000		4400	650
208-96-8	Acenaphthylene	12000		4400	640
83-32-9	Acenaphthene	6900		4400	630
86-73-7	Fluorene	15000		4400	750
85-01-8	Phenanthrene	55000		4400	780
120-12-7	Anthracene	15000		4400	790
206-44-0	Fluoranthene	31000		4400	740
129-00-0	Pyrene	28000		4400	770
56-55-3	Benzo[a]anthracene	15000		440	82
218-01-9	Chrysene	11000		4400	650
205-99-2	Benzo[b]fluoranthene	13000		440	66
207-08-9	Benzo[k]fluoranthene	6700		440	62
50-32-8	Benzo[a]pyrene	12000		440	55
193-39-5	Indeno[1,2,3-cd]pyrene	7300		440	71
53-70-3	Dibenz(a,h)anthracene	1900		440	54
191-24-2	Benzo[g,h,i]perylene	7400		4400	470

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	0	D	38-105
4165-62-2	Phenol-d5	0	D	41-118
1718-51-0	Terphenyl-d14	0	D	16-151
118-79-6	2,4,6-Tribromophenol	0	D	10-120
367-12-4	2-Fluorophenol	0	D	37-125
321-60-8	2-Fluorobiphenyl	0	D	40-109



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX005 Lab Sample ID: 220-14039-1  
 Matrix: Solid Lab File ID: L6951.D  
 Analysis Method: 8260B Date Collected: 11/15/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 11/19/2010 16:41  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 10  
 Soil Extract Vol.: 10(mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.2 Level: (low/med) Medium  
 Analysis Batch No.: 45520 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	13000		6400	850
108-88-3	Toluene	23000		6400	930
100-41-4	Ethylbenzene	33000		6400	670
1330-20-7	Xylenes, Total	120000		6400	2700

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	92		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		52-119
2037-26-5	Toluene-d8 (Surr)	97		55-121
460-00-4	4-Bromofluorobenzene	105		63-128

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX005 Lab Sample ID: 220-14039-1  
 Matrix: Solid Lab File ID: C20763.D  
 Analysis Method: 8270C Date Collected: 11/15/2010 13:00  
 Extract. Method: 3541 Date Extracted: 11/19/2010 11:44  
 Sample wt/vol: 15.02(g) Date Analyzed: 11/29/2010 18:26  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 100  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45582 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	540000		35000	1800
91-57-6	2-Methylnaphthalene	140000		35000	990
208-96-8	Acenaphthylene	98000		35000	1700
83-32-9	Acenaphthene	47000		35000	2100
86-73-7	Fluorene	120000		35000	2100
85-01-8	Phenanthrene	320000		35000	1700
120-12-7	Anthracene	97000		35000	1300
206-44-0	Fluoranthene	200000		35000	1700
129-00-0	Pyrene	220000		35000	1600
56-55-3	Benzo[a]anthracene	81000		35000	1200
218-01-9	Chrysene	63000		35000	2600
205-99-2	Benzo[b]fluoranthene	65000		35000	920
207-08-9	Benzo[k]fluoranthene	30000	J	35000	3100
50-32-8	Benzo[a]pyrene	71000		35000	940
193-39-5	Indeno[1,2,3-cd]pyrene	85000		35000	2200
53-70-3	Dibenz(a,h)anthracene	43000		35000	2700
191-24-2	Benzo[g,h,i]perylene	76000		35000	2300

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	45		34-120
4165-62-2	Phenol-d5	51		36-120
4165-60-0	Nitrobenzene-d5	47		38-120
321-60-8	2-Fluorobiphenyl	67		41-120
118-79-6	2,4,6-Tribromophenol	54		37-120
1718-51-0	Terphenyl-d14	105		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX005 Lab Sample ID: 220-14039-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/15/2010 13:00  
 Reporting Basis: DRY Date Received: 11/17/2010 09:40  
 % Solids: 77.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.4	4.7	0.97	mg/Kg			1	6010B
7439-97-6	Mercury	0.041	0.063	0.0051	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX005A Lab Sample ID: 220-14462-1  
 Matrix: Solid Lab File ID: j96753.d  
 Analysis Method: 8260B Date Collected: 12/28/2010 13:30  
 Sample wt/vol: 5.44(g) Date Analyzed: 01/04/2011 04:45  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 100  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.53(mm)  
 % Moisture: 21.4 Level: (low/med) Medium  
 Analysis Batch No.: 60544 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2900		230	28
108-88-3	Toluene	2900		230	22
100-41-4	Ethylbenzene	16000		230	58
1330-20-7	Xylenes, Total	59000		700	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		57-135
2037-26-5	Toluene-d8 (Surr)	99		46-130
460-00-4	4-Bromofluorobenzene	88		50-124

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX005A Lab Sample ID: 220-14462-1  
 Matrix: Solid Lab File ID: u64495.d  
 Analysis Method: 8270C Date Collected: 12/28/2010 13:30  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 15.04(g) Date Analyzed: 01/04/2011 19:18  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 21.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	32000		2100	310
91-57-6	2-Methylnaphthalene	10000		2100	310
208-96-8	Acenaphthylene	7300		2100	300
83-32-9	Acenaphthene	3600		2100	300
86-73-7	Fluorene	8700		2100	360
85-01-8	Phenanthrene	23000		2100	370
120-12-7	Anthracene	6200		2100	370
206-44-0	Fluoranthene	11000		2100	350
129-00-0	Pyrene	11000		2100	360
56-55-3	Benzo[a]anthracene	5500		210	39
218-01-9	Chrysene	4600		2100	310
205-99-2	Benzo[b]fluoranthene	4800		210	31
207-08-9	Benzo[k]fluoranthene	2300		210	29
50-32-8	Benzo[a]pyrene	4800		210	26
193-39-5	Indeno[1,2,3-cd]pyrene	3300		210	34
53-70-3	Dibenz(a,h)anthracene	910		210	25
191-24-2	Benzo[g,h,i]perylene	3000		2100	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		38-105
4165-62-2	Phenol-d5	82		41-118
1718-51-0	Terphenyl-d14	88		16-151
118-79-6	2,4,6-Tribromophenol	24		10-120
367-12-4	2-Fluorophenol	70		37-125
321-60-8	2-Fluorobiphenyl	102		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX006 Lab Sample ID: 220-14039-3  
 Matrix: Solid Lab File ID: 01157.D  
 Analysis Method: 8260B Date Collected: 11/16/2010 12:15  
 Sample wt/vol: 5(g) Date Analyzed: 11/17/2010 17:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.3 Level: (low/med) Low  
 Analysis Batch No.: 45217 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	8.6		6.4	0.73
108-88-3	Toluene	9.0		6.4	0.095
100-41-4	Ethylbenzene	9.7		6.4	0.90
1330-20-7	Xylenes, Total	40		6.4	0.63

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		59-132
460-00-4	4-Bromofluorobenzene	66		34-124
1868-53-7	Dibromofluoromethane	86		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX006 Lab Sample ID: 220-14039-3  
 Matrix: Solid Lab File ID: C20765.D  
 Analysis Method: 8270C Date Collected: 11/16/2010 12:15  
 Extract. Method: 3541 Date Extracted: 11/19/2010 11:44  
 Sample wt/vol: 15.07(g) Date Analyzed: 11/29/2010 19:24  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 10  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.3 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45582 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	56000		3500	180
91-57-6	2-Methylnaphthalene	15000		3500	99
208-96-8	Acenaphthylene	9000		3500	170
83-32-9	Acenaphthene	6400		3500	200
86-73-7	Fluorene	12000		3500	210
85-01-8	Phenanthrene	38000		3500	170
120-12-7	Anthracene	19000		3500	130
206-44-0	Fluoranthene	25000		3500	170
129-00-0	Pyrene	29000		3500	160
56-55-3	Benzo[a]anthracene	10000		3500	120
218-01-9	Chrysene	13000		3500	250
205-99-2	Benzo[b]fluoranthene	8600		3500	92
207-08-9	Benzo[k]fluoranthene	3800		3500	310
50-32-8	Benzo[a]pyrene	9300		3500	93
193-39-5	Indeno[1,2,3-cd]pyrene	10000		3500	220
53-70-3	Dibenz(a,h)anthracene	4600		3500	270
191-24-2	Benzo[g,h,i]perylene	9100		3500	230

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	55		34-120
4165-62-2	Phenol-d5	57		36-120
4165-60-0	Nitrobenzene-d5	57		38-120
321-60-8	2-Fluorobiphenyl	67		41-120
118-79-6	2,4,6-Tribromophenol	49		37-120
1718-51-0	Terphenyl-d14	105		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX006 Lab Sample ID: 220-14039-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/16/2010 12:15  
 Reporting Basis: DRY Date Received: 11/17/2010 09:40  
 % Solids: 77.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.6	4.6	0.96	mg/Kg			1	6010B
7439-97-6	Mercury	0.020	0.063	0.0051	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14071-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 007 Lab Sample ID: 220-14071-1  
 Matrix: Solid Lab File ID: W7365.D  
 Analysis Method: 8260B Date Collected: 11/18/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 11/30/2010 21:01  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 40  
 Soil Extract Vol.: 10 (mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.2 Level: (low/med) Medium  
 Analysis Batch No.: 45734 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	4800	J	26000	3400
108-88-3	Toluene	15000	J	26000	3700
100-41-4	Ethylbenzene	24000	J	26000	2700
1330-20-7	Xylenes, Total	69000		26000	11000

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	94		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		52-119
2037-26-5	Toluene-d8 (Surr)	87		55-121
460-00-4	4-Bromofluorobenzene	85		63-128

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14071-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 007 Lab Sample ID: 220-14071-1  
 Matrix: Solid Lab File ID: C20839.D  
 Analysis Method: 8270C Date Collected: 11/18/2010 13:00  
 Extract. Method: 3541 Date Extracted: 11/29/2010 14:08  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/02/2010 11:20  
 Con. Extract Vol.: 1(mL) Dilution Factor: 50  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45706 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	270000		17000	900
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	78000		17000	500
208-96-8	Acenaphthylene	35000		<b>17000</b>	<b>850</b>
83-32-9	Acenaphthene	39000		17000	<b>1000</b>
<b>86-73-7</b>	Fluorene	57000		17000	1000
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>160000</b>		<b>17000</b>	860
120-12-7	Anthracene	<b>43000</b>		<b>17000</b>	<b>680</b>
206-44-0	Fluoranthene	110000		17000	<b>860</b>
129-00-0	Pyrene	<b>97000</b>		<b>17000</b>	820
<b>56-55-3</b>	<b>Benzo[a]anthracene</b>	<b>42000</b>		<b>17000</b>	620
218-01-9	Chrysene	<b>31000</b>		17000	1300
205-99-2	Benzo[b]fluoranthene	43000		17000	460
207-08-9	Benzo[k]fluoranthene	16000	J	17000	1600
50-32-8	Benzo[a]pyrene	39000		17000	470
193-39-5	Indeno[1,2,3-cd]pyrene	35000		17000	<b>1100</b>
53-70-3	Dibenz(a,h)anthracene	21000		17000	1400
<b>191-24-2</b>	<b>Benzo[g,h,i]perylene</b>	<b>32000</b>		<b>17000</b>	1100

CAS NO.	SURROGATE	%REC	Q	LIMITS
<b>367-12-4</b>	2-Fluorophenol	64		34-120
4165-62-2	<b>Phenol-d5</b>	<b>66</b>		36-120
4165-60-0	Nitrobenzene-d5	64		38-120
321-60-8	2-Fluorobiphenyl	74		41-120
118-79-6	2,4,6-Tribromophenol	63		37-120
1718-51-0	<b>Terphenyl-d14</b>	<b>80</b>		32-125



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX007A Lab Sample ID: 220-14463-1  
 Matrix: Solid Lab File ID: o43745.d  
 Analysis Method: 8260B Date Collected: 12/27/2010 13:30  
 Sample wt/vol: 5.10(g) Date Analyzed: 01/04/2011 02:36  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 23.9 Level: (low/med) Low  
 Analysis Batch No.: 60475 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	44		1.3	0.95
108-88-3	Toluene	1.3	U	1.3	0.39
100-41-4	Ethylbenzene	1.5		1.3	0.25
1330-20-7	Xylenes, Total	4.1		3.9	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-138
2037-26-5	Toluene-d8 (Surr)	103		66-126
460-00-4	4-Bromofluorobenzene	99		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX007A Lab Sample ID: 220-14463-1  
 Matrix: Solid Lab File ID: u64489.d  
 Analysis Method: 8270C Date Collected: 12/27/2010 13:30  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 15.03(g) Date Analyzed: 01/04/2011 16:57  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 23.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	71	J	430	63
91-57-6	2-Methylnaphthalene	170	J	430	63
208-96-8	Acenaphthylene	430	U	430	62
83-32-9	Acenaphthene	390	J	430	62
86-73-7	Fluorene	82	J	430	73
85-01-8	Phenanthrene	430	U	430	76
120-12-7	Anthracene	430	U	430	77
206-44-0	Fluoranthene	430	U	430	72
129-00-0	Pyrene	430	U	430	75
56-55-3	Benzo[a]anthracene	43	U	43	8.0
218-01-9	Chrysene	430	U	430	63
205-99-2	Benzo[b]fluoranthene	43	U	43	6.5
207-08-9	Benzo[k]fluoranthene	43	U	43	6.1
50-32-8	Benzo[a]pyrene	43	U	43	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	43	U	43	6.9
53-70-3	Dibenz(a,h)anthracene	43	J	43	5.2
191-24-2	Benzo[g,h,i]perylene	430	J	430	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	92		38-105
4165-62-2	Phenol-d5	90		41-118
1718-51-0	Terphenyl-d14	96		16-151
118-79-6	2,4,6-Tribromophenol	57		10-120
367-12-4	2-Fluorophenol	79		37-125
321-60-8	2-Fluorobiphenyl	88		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX009 Lab Sample ID: 220-14267-1  
 Matrix: Solid Lab File ID: N0263.D  
 Analysis Method: 8260B Date Collected: 12/07/2010 13:30  
 Sample wt/vol: 5(g) Date Analyzed: 12/10/2010 01:29  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 19.6 Level: (low/med) Low  
 Analysis Batch No.: 46164 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.2	<del>6</del> <u>U5</u>	6.2	0.71
108-88-3	Toluene	<del>6.2</del> <u>1.9</u>	<del>J</del> <u>B</u>	6.2	0.092
100-41-4	Ethylbenzene	4.2	<u>J</u>	6.2	0.87
1330-20-7	Xylenes, Total	8.9		6.2	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		59-132
460-00-4	4-Bromofluorobenzene	98		34-124
1868-53-7	Dibromofluoromethane	93		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX009 Lab Sample ID: 220-14267-1  
 Matrix: Solid Lab File ID: Z18643.D  
 Analysis Method: 8270C Date Collected: 12/07/2010 13:30  
 Extract. Method: 3541 Date Extracted: 12/09/2010 10:48  
 Sample wt/vol: 15.03(g) Date Analyzed: 12/14/2010 22:03  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 19.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46269 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	140	J	340	17
91-57-6	2-Methylnaphthalene	21	J	340	9.6
208-96-8	Acenaphthylene	18	J	340	16
83-32-9	Acenaphthene	1700		340	20
86-73-7	Fluorene	450		340	20
85-01-8	Phenanthrene	230	J	340	17
120-12-7	Anthracene	340	U	340	13
206-44-0	Fluoranthene	340	U	340	17
129-00-0	Pyrene	340	U	340	16
56-55-3	Benzo[a]anthracene	340	U	340	12
218-01-9	Chrysene	340	U	340	25
205-99-2	Benzo[b]fluoranthene	340	U	340	8.9
207-08-9	Benzo[k]fluoranthene	340	U	340	30
50-32-8	Benzo[a]pyrene	340	U	340	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	340	U	340	22
53-70-3	Dibenz(a,h)anthracene	340	U	340	26
191-24-2	Benzo[g,h,i]perylene	340	U	340	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	61		34-120
4165-62-2	Phenol-d5	61		36-120
4165-60-0	Nitrobenzene-d5	62		38-120
321-60-8	2-Fluorobiphenyl	60		41-120
118-79-6	2,4,6-Tribromophenol	63		37-120
1718-51-0	Terphenyl-d14	61		32-125

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1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: ICSBMEX009 Lab Sample ID: 220-14267-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/07/2010 13:30  
 Reporting Basis: DRY Date Received: 12/08/2010 10:05  
 % Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.1	4.7	0.96	mg/Kg			1	6010B
7439-97-6	Mercury	0.013	0.061	0.0049	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX010 Lab Sample ID: 220-14267-3  
 Matrix: Solid Lab File ID: L7450.D  
 Analysis Method: 8260B Date Collected: 12/07/2010 13:40  
 Sample wt/vol: 5(g) Date Analyzed: 12/16/2010 19:27  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 20  
 Soil Extract Vol.: 10(mL) GC Column: RTX-VMS ID: 0.18(mm)  
 % Moisture: 19.6 Level: (low/med) Medium  
 Analysis Batch No.: 46353 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	11000	J	12000	1600
108-88-3	Toluene	17000		12000	1800
100-41-4	Ethylbenzene	58000		12000	1300
1330-20-7	Xylenes, Total	170000		12000	5200

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	90		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		52-119
2037-26-5	Toluene-d8 (Surr)	87		55-121
460-00-4	4-Bromofluorobenzene	84		63-128

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX010 Lab Sample ID: 220-14267-3  
 Matrix: Solid Lab File ID: C21080.D  
 Analysis Method: 8270C Date Collected: 12/07/2010 13:40  
 Extract. Method: 3541 Date Extracted: 12/09/2010 10:48  
 Sample wt/vol: 15.02(g) Date Analyzed: 12/16/2010 09:06  
 Con. Extract Vol.: 1(mL) Dilution Factor: 100  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 19.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46276 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	530000		34000	1700
91-57-6	2-Methylnaphthalene	110000		34000	960
208-96-8	Acenaphthylene	71000		34000	1600
83-32-9	Acenaphthene	28000	J	34000	2000
86-73-7	Fluorene	77000		34000	2000
85-01-8	Phenanthrene	240000		34000	1700
120-12-7	Anthracene	71000		34000	1300
206-44-0	Fluoranthene	160000		34000	1700
129-00-0	Pyrene	110000		34000	1600
56-55-3	Benzo[a]anthracene	60000		34000	1200
218-01-9	Chrysene	50000		34000	2500
205-99-2	Benzo[b]fluoranthene	60000		34000	890
207-08-9	Benzo[k]fluoranthene	25000	J	34000	3000
50-32-8	Benzo[a]pyrene	55000		34000	910
193-39-5	Indeno[1,2,3-cd]pyrene	25000	J	34000	2200
53-70-3	Dibenz(a,h)anthracene	13000	J	34000	2600
191-24-2	Benzo[g,h,i]perylene	22000	J	34000	2200

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	56		34-120
4165-62-2	Phenol-d5	55		36-120
4165-60-0	Nitrobenzene-d5	58		38-120
321-60-8	2-Fluorobiphenyl	61		41-120
118-79-6	2,4,6-Tribromophenol	49		37-120
1718-51-0	Terphenyl-d14	62		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX010 Lab Sample ID: 220-14267-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/07/2010 13:40  
 Reporting Basis: DRY Date Received: 12/08/2010 10:05  
 % Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.9	4.5	0.94	mg/Kg			1	6010B
<del>7439-97-6</del>	<del>Mercury</del>	<del>0.017</del>	<del>0.060</del>	<del>0.0048</del>	<del>mg/Kg</del>	<del>J</del>		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14471-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX010A Lab Sample ID: 220-14471-1  
 Matrix: Solid Lab File ID: o44015.d  
 Analysis Method: 8260B Date Collected: 12/29/2010 13:30  
 Sample wt/vol: 5.65(g) Date Analyzed: 01/11/2011 03:57  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 23.4 Level: (low/med) Low  
 Analysis Batch No.: 61101 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	460		1.2	0.85
108-88-3	Toluene	5.2		1.2	0.35
100-41-4	Ethylbenzene	140		1.2	0.22
1330-20-7	Xylenes, Total	120		3.5	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-138
2037-26-5	Toluene-d8 (Surr)	101		66-126
460-00-4	4-Bromofluorobenzene	101		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14471-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX010A Lab Sample ID: 220-14471-1  
 Matrix: Solid Lab File ID: u64492.d  
 Analysis Method: 8270C Date Collected: 12/29/2010 13:30  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 15.00(g) Date Analyzed: 01/04/2011 18:08  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 23.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1800		430	63
91-57-6	2-Methylnaphthalene	380	J	430	63
208-96-8	Acenaphthylene	430	U	430	62
83-32-9	Acenaphthene	510		430	61
86-73-7	Fluorene	310	J	430	73
85-01-8	Phenanthrene	830		430	75
120-12-7	Anthracene	150	J	430	76
206-44-0	Fluoranthene	130	J	430	72
129-00-0	Pyrene	110	J	430	75
56-55-3	Benzo[a]anthracene	43	U	43	8.0
218-01-9	Chrysene	430	U	430	63
205-99-2	Benzo[b]fluoranthene	43	U	43	6.4
207-08-9	Benzo[k]fluoranthene	43	U	43	6.0
50-32-8	Benzo[a]pyrene	43	U	43	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	43	U	43	6.9
53-70-3	Dibenz(a,h)anthracene	43	U	43	5.2
191-24-2	Benzo[g,h,i]perylene	430	U	430	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		38-105
4165-62-2	Phenol-d5	86		41-118
1718-51-0	Terphenyl-d14	96		16-151
118-79-6	2,4,6-Tribromophenol	43		10-120
367-12-4	2-Fluorophenol	74		37-125
321-60-8	2-Fluorobiphenyl	96		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX011 Lab Sample ID: 220-14287-1  
 Matrix: Solid Lab File ID: N0326.D  
 Analysis Method: 8260B Date Collected: 12/09/2010 13:30  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 03:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 19.7 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	45		6.2	0.71
108-88-3	Toluene	<del>0.51</del> 6.2	<del>1-B</del> U	6.2	0.092
100-41-4	Ethylbenzene	21		6.2	0.87
1330-20-7	Xylenes, Total	14		6.2	0.61

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		59-132
460-00-4	4-Bromofluorobenzene	83		34-124
1868-53-7	Dibromofluoromethane	90		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX011 Lab Sample ID: 220-14287-1  
 Matrix: Solid Lab File ID: A14901.D  
 Analysis Method: 8270C Date Collected: 12/09/2010 13:30  
 Extract. Method: 3541 Date Extracted: 12/20/2010 15:42  
 Sample wt/vol: 15.02(g) Date Analyzed: 12/22/2010 12:44  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 19.7 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46514 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1200		340	17
91-57-6	2-Methylnaphthalene	1100		340	9.6
208-96-8	Acenaphthylene	110	J	340	16
83-32-9	Acenaphthene	1100		340	20
86-73-7	Fluorene	2000		340	20
85-01-8	Phenanthrene	2200		340	17
120-12-7	Anthracene	600		340	13
206-44-0	Fluoranthene	680		340	17
129-00-0	Pyrene	530		340	16
56-55-3	Benzo[a]anthracene	250	J	340	12
218-01-9	Chrysene	220	J	340	25
205-99-2	Benzo[b]fluoranthene	190	J	340	9.0
207-08-9	Benzo[k]fluoranthene	79	J	340	30
50-32-8	Benzo[a]pyrene	180	J	340	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	62	J	340	22
53-70-3	Dibenz(a,h)anthracene	340	U	340	26
191-24-2	Benzo[g,h,i]perylene	50	J	340	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	58		34-120
4165-62-2	Phenol-d5	68		36-120
4165-60-0	Nitrobenzene-d5	65		38-120
321-60-8	2-Fluorobiphenyl	65		41-120
118-79-6	2,4,6-Tribromophenol	70		37-120
1718-51-0	Terphenyl-d14	74		32-125

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: ICSBMEX011 Lab Sample ID: 220-14287-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/09/2010 13:30  
 Reporting Basis: DRY Date Received: 12/10/2010 10:05  
 % Solids: 80.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.7	4.6	0.94	mg/Kg			1	6010B
7439-97-6	Mercury	0.022	0.057	0.0045	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 012 Lab Sample ID: 220-14319-1  
 Matrix: Solid Lab File ID: N0329.D  
 Analysis Method: 8260B Date Collected: 12/10/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 05:04  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.0 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	150		6.4	0.73
108-88-3	Toluene	6.4 <del>5.2</del>	<del>IB</del>	6.4	0.095
100-41-4	Ethylbenzene	18		6.4	0.90
1330-20-7	Xylenes, Total	26		6.4	0.62

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		59-132
460-00-4	4-Bromofluorobenzene	90		34-124
1868-53-7	Dibromofluoromethane	93		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 012 Lab Sample ID: 220-14319-1  
 Matrix: Solid Lab File ID: C21214.D  
 Analysis Method: 8270C Date Collected: 12/10/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/22/2010 10:05  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	440		340	18
91-57-6	2-Methylnaphthalene	930		340	9.8
208-96-8	Acenaphthylene	340	U	340	17
83-32-9	Acenaphthene	990		340	20
86-73-7	Fluorene	500		340	21
85-01-8	Phenanthrene	1500		340	17
120-12-7	Anthracene	120	J	340	13
206-44-0	Fluoranthene	51	J	340	17
129-00-0	Pyrene	26	J	340	16
56-55-3	Benzo[a]anthracene	340	U	340	12
218-01-9	Chrysene	340	U	340	25
205-99-2	Benzo[b]fluoranthene	340	U	340	9.2
207-08-9	Benzo[k]fluoranthene	340	U	340	31
50-32-8	Benzo[a]pyrene	340	U	340	9.3
193-39-5	Indeno[1,2,3-cd]pyrene	340	U	340	22
53-70-3	Dibenz(a,h)anthracene	340	U	340	27
191-24-2	Benzo[g,h,i]perylene	340	U	340	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	74		34-120
4165-62-2	Phenol-d5	73		36-120
4165-60-0	Nitrobenzene-d5	72		38-120
321-60-8	2-Fluorobiphenyl	72		41-120
118-79-6	2,4,6-Tribromophenol	79		37-120
1718-51-0	Terphenyl-d14	74		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX 012 Lab Sample ID: 220-14319-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/10/2010 13:00  
 Reporting Basis: DRY Date Received: 12/14/2010 10:30  
 % Solids: 78.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	12.7	4.7	0.98	mg/Kg			1	6010B
7439-97-6	Mercury	<del>0.020</del> 0.064	0.064	0.0051	mg/Kg	✓ U		1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 014 Lab Sample ID: 220-14359-1  
 Matrix: Solid Lab File ID: 01838.D  
 Analysis Method: 8260B Date Collected: 12/14/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 21:31  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 20.4 Level: (low/med) Low  
 Analysis Batch No.: 46414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27		6.3	0.72
108-88-3	Toluene	1.3	J	6.3	0.093
100-41-4	Ethylbenzene	2.8	J	6.3	0.88
1330-20-7	Xylenes, Total	4.1	J	6.3	0.61

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		59-132
460-00-4	4-Bromofluorobenzene	66		34-124
1868-53-7	Dibromofluoromethane	101		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 014 Lab Sample ID: 220-14359-1  
 Matrix: Solid Lab File ID: A14923.D  
 Analysis Method: 8270C Date Collected: 12/14/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.05(g) Date Analyzed: 12/23/2010 08:42  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 20.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46560 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	240	J	340	18
91-57-6	2-Methylnaphthalene	51	J	340	9.6
208-96-8	Acenaphthylene	340	U	340	17
83-32-9	Acenaphthene	890		340	20
86-73-7	Fluorene	660		340	20
85-01-8	Phenanthrene	2300		340	17
120-12-7	Anthracene	370		340	13
206-44-0	Fluoranthene	260	J	340	17
129-00-0	Pyrene	120	J	340	16
56-55-3	Benzo[a]anthracene	25	J	340	12
218-01-9	Chrysene	340	U	340	25
205-99-2	Benzo[b]fluoranthene	17	J	340	9.0
207-08-9	Benzo[k]fluoranthene	340	U	340	30
50-32-8	Benzo[a]pyrene	18	J	340	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	340	U	340	22
53-70-3	Dibenz(a,h)anthracene	340	U	340	27
191-24-2	Benzo[g,h,i]perylene	340	U	340	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	60		34-120
4165-62-2	Phenol-d5	61		36-120
4165-60-0	Nitrobenzene-d5	60		38-120
321-60-8	2-Fluorobiphenyl	60		41-120
118-79-6	2,4,6-Tribromophenol	62		37-120
1718-51-0	Terphenyl-d14	65		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX 014 Lab Sample ID: 220-14359-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/14/2010 13:00  
 Reporting Basis: DRY Date Received: 12/16/2010 10:30  
 % Solids: 79.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.5	4.5	0.93	mg/Kg			1	6010B
7439-97-6	Mercury	0.024	0.060	0.0048	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX015 Lab Sample ID: 220-14359-3  
 Matrix: Solid Lab File ID: 01855.D  
 Analysis Method: 8260B Date Collected: 12/15/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/20/2010 16:55  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.0 Level: (low/med) Low  
 Analysis Batch No.: 46548 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	89		6.4	0.73
108-88-3	Toluene	2.6	J	6.4	0.095
100-41-4	Ethylbenzene	51		6.4	0.90
1330-20-7	Xylenes, Total	96		6.4	0.62

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		59-132
460-00-4	4-Bromofluorobenzene	77		34-124
1868-53-7	Dibromofluoromethane	105		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX015 Lab Sample ID: 220-14359-3  
 Matrix: Solid Lab File ID: A14957.D  
 Analysis Method: 8270C Date Collected: 12/15/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.01(g) Date Analyzed: 12/28/2010 12:18  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46610 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	24000		1700	90
91-57-6	2-Methylnaphthalene	7300		1700	49
208-96-8	Acenaphthylene	720	J	1700	85
83-32-9	Acenaphthene	6700		1700	100
86-73-7	Fluorene	7600		1700	100
85-01-8	Phenanthrene	16000		1700	85
120-12-7	Anthracene	8000		1700	67
206-44-0	Fluoranthene	10000		1700	86
129-00-0	Pyrene	8200		1700	81
56-55-3	Benzo[a]anthracene	3800		1700	61
218-01-9	Chrysene	3400		1700	130
205-99-2	Benzo[b]fluoranthene	3100		1700	46
207-08-9	Benzo[k]fluoranthene	1400	J	1700	150
50-32-8	Benzo[a]pyrene	2900		1700	47
193-39-5	Indeno[1,2,3-cd]pyrene	1200	J	1700	110
53-70-3	Dibenz(a,h)anthracene	270	J	1700	140
191-24-2	Benzo[g,h,i]perylene	930	J	1700	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	67		34-120
4165-62-2	Phenol-d5	71		36-120
4165-60-0	Nitrobenzene-d5	66		38-120
321-60-8	2-Fluorobiphenyl	77		41-120
118-79-6	2,4,6-Tribromophenol	83		37-120
1718-51-0	Terphenyl-d14	86		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX015 Lab Sample ID: 220-14359-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/15/2010 13:00  
 Reporting Basis: DRY Date Received: 12/16/2010 10:30  
 % Solids: 78.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.4	4.6	0.95	mg/Kg			1	6010B
7439-97-6	Mercury	0.026	0.062	0.0050	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX016 Lab Sample ID: 220-14384-1  
 Matrix: Solid Lab File ID: N0656.D  
 Analysis Method: 8260B Date Collected: 12/16/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/30/2010 15:38  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 5(mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 19.9 Level: (low/med) Medium  
 Analysis Batch No.: 46774 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	180	J	310	41
108-88-3	Toluene	320		310	45
100-41-4	Ethylbenzene	2300		310	32
1330-20-7	Xylenes, Total	6100		310	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	78		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		52-119
2037-26-5	Toluene-d8 (Surr)	83		55-121
460-00-4	4-Bromofluorobenzene	79		63-128

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX016 Lab Sample ID: 220-14384-1  
 Matrix: Solid Lab File ID: A14958.D  
 Analysis Method: 8270C Date Collected: 12/16/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.05(g) Date Analyzed: 12/28/2010 12:47  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 19.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46610 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	19000		1700	87
91-57-6	2-Methylnaphthalene	5700		1700	48
208-96-8	Acenaphthylene	610	J	1700	82
83-32-9	Acenaphthene	5600		1700	100
86-73-7	Fluorene	4400		1700	100
85-01-8	Phenanthrene	14000		1700	83
120-12-7	Anthracene	3500		1700	65
206-44-0	Fluoranthene	9000		1700	83
129-00-0	Pyrene	6700		1700	79
56-55-3	Benzo[a]anthracene	3300		1700	60
218-01-9	Chrysene	2400		1700	120
205-99-2	Benzo[b]fluoranthene	3100		1700	45
207-08-9	Benzo[k]fluoranthene	1200	J	1700	150
50-32-8	Benzo[a]pyrene	3000		1700	45
193-39-5	Indeno[1,2,3-cd]pyrene	1300	J	1700	110
53-70-3	Dibenz(a,h)anthracene	260	J	1700	130
191-24-2	Benzo[g,h,i]perylene	1000	J	1700	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	66		34-120
4165-62-2	Phenol-d5	69		36-120
4165-60-0	Nitrobenzene-d5	65		38-120
321-60-8	2-Fluorobiphenyl	69		41-120
118-79-6	2,4,6-Tribromophenol	76		37-120
1718-51-0	Terphenyl-d14	78		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX016 Lab Sample ID: 220-14384-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/16/2010 13:00  
 Reporting Basis: DRY Date Received: 12/17/2010 10:10  
 % Solids: 80.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.5	4.5	0.93	mg/Kg			1	6010B
7439-97-6	Mercury	0.025	0.062	0.0050	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 017 Lab Sample ID: 220-14410-1  
 Matrix: Solid Lab File ID: 01957.D  
 Analysis Method: 8260B Date Collected: 12/17/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/23/2010 18:17  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18(mm)  
 % Moisture: 23.1 Level: (low/med) Low  
 Analysis Batch No.: 46642 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	85		6.5	0.74
108-88-3	Toluene	6.5	U	6.5	0.096
100-41-4	Ethylbenzene	23		6.5	0.91
1330-20-7	Xylenes, Total	13		6.5	0.63

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	85		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		59-132
460-00-4	4-Bromofluorobenzene	70		34-124
1868-53-7	Dibromofluoromethane	100		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 017 Lab Sample ID: 220-14410-1  
 Matrix: Solid Lab File ID: u64347.d  
 Analysis Method: 8270C Date Collected: 12/17/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 15.02(g) Date Analyzed: 12/29/2010 12:36  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 23.1 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60120 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	430	U	430	63
91-57-6	2-Methylnaphthalene	430	U	430	63
208-96-8	Acenaphthylene	430	U	430	61
83-32-9	Acenaphthene	430	U	430	61
86-73-7	Fluorene	430	U	430	73
85-01-8	Phenanthrene	120	J	430	75
120-12-7	Anthracene	430	U	430	76
206-44-0	Fluoranthene	430	U	430	71
129-00-0	Pyrene	430	U	430	74
56-55-3	Benzo[a]anthracene	43	U	43	8.0
218-01-9	Chrysene	430	U	430	6.2
205-99-2	Benzo[b]fluoranthene	43	U	43	6.4
207-08-9	Benzo[k]fluoranthene	43	U	43	6.0
50-32-8	Benzo[a]pyrene	43	U	43	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	43	U	43	6.9
53-70-3	Dibenz(a,h)anthracene	43	U	43	5.2
191-24-2	Benzo[g,h,i]perylene	430	U	430	45

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	90		38-105
4165-62-2	Phenol-d5	73		41-118
1718-51-0	Terphenyl-d14	98		16-151
118-79-6	2,4,6-Tribromophenol	84		10-120
367-12-4	2-Fluorophenol	63		37-125
321-60-8	2-Fluorobiphenyl	92		40-109

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1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: ICSBMEX 017 Lab Sample ID: 220-14410-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/17/2010 13:00  
 Reporting Basis: DRY Date Received: 12/21/2010 10:44  
 % Solids: 76.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	5.1	4.8	0.99	mg/Kg			1	6010B
7439-97-6	Mercury	0.064	0.064	0.0051	mg/Kg	U		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 018 Lab Sample ID: 220-14410-3  
 Matrix: Solid Lab File ID: N0667.D  
 Analysis Method: 8260B Date Collected: 12/20/2010 13:00  
 Sample wt/vol: 5(g) Date Analyzed: 12/30/2010 20:07  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 5(mL) GC Column: RTX-VMS ID: 0.18(mm)  
 % Moisture: 21.8 Level: {low/med} Medium  
 Analysis Batch No.: 46774 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	250	J	320	42
108-88-3	Toluene	420		320	46
100-41-4	Ethylbenzene	500		320	33
1330-20-7	Xylenes, Total	1700		320	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	75		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		52-119
2037-26-5	Toluene-d8 (Surr)	79		55-121
460-00-4	4-Bromofluorobenzene	82		63-128

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 018 Lab Sample ID: 220-14410-3  
 Matrix: Solid Lab File ID: u64377.d  
 Analysis Method: 8270C Date Collected: 12/20/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 14.97(g) Date Analyzed: 12/30/2010 15:25  
 Con. Extract Vol.: 1(mL) Dilution Factor: 2  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 21.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60273 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	11000		850	120
91-57-6	2-Methylnaphthalene	3800		850	120
208-96-8	Acenaphthylene	450	J	850	120
83-32-9	Acenaphthene	3100		850	120
86-73-7	Fluorene	2700		850	140
85-01-8	Phenanthrene	7100		850	150
120-12-7	Anthracene	2000		850	150
206-44-0	Fluoranthene	3600		850	140
129-00-0	Pyrene	3100		850	150
56-55-3	Benzo[a]anthracene	1600		85	16
218-01-9	Chrysene	1500		850	120
205-99-2	Benzo[b]fluoranthene	1600	J	85	13
207-08-9	Benzo[k]fluoranthene	680		85	12
50-32-8	Benzo[a]pyrene	1400		85	10
193-39-5	Indeno[1,2,3-cd]pyrene	540		85	14
53-70-3	Dibenz(a,h)anthracene	85	U	85	10
191-24-2	Benzo[g,h,i]perylene	470	J	850	89

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	86		38-105
4165-62-2	Phenol-d5	77		41-118
1718-51-0	Terphenyl-d14	89		16-151
118-79-6	2,4,6-Tribromophenol	73		10-120
367-12-4	2-Fluorophenol	72		37-125
321-60-8	2-Fluorobiphenyl	97		40-109

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX 018 Lab Sample ID: 220-14410-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/20/2010 13:00  
 Reporting Basis: DRY Date Received: 12/21/2010 10:44  
 % Solids: 78.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.2	4.8	0.99	mg/Kg			1	6010B
<del>7439-97-6</del>	<del>Mercury</del>	0.015	0.063	0.0050	<del>mg/Kg</del>	<del>J</del>		<del>1</del>	<del>7471A</del>

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14454-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX019 Lab Sample ID: 220-14454-1  
 Matrix: Solid Lab File ID: o43737.d  
 Analysis Method: 8260B Date Collected: 12/21/2010 13:00  
 Sample wt/vol: 5.17(g) Date Analyzed: 01/03/2011 23:01  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 30.0 Level: (low/med) Low  
 Analysis Batch No.: 60475 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	28		1.4	1.0
108-88-3	Toluene	0.67	J	1.4	0.41
100-41-4	Ethylbenzene	69		1.4	0.26
1330-20-7	Xylenes, Total	3.8	J	4.1	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		70-138
2037-26-5	Toluene-d8 (Surr)	100		66-126
460-00-4	4-Bromofluorobenzene	97		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14454-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX019 Lab Sample ID: 220-14454-1  
 Matrix: Solid Lab File ID: u64379.d  
 Analysis Method: 8270C Date Collected: 12/21/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 15.02(g) Date Analyzed: 12/30/2010 16:23  
 Con. Extract Vol.: 1(mL) Dilution Factor: 2  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 30.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60273 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	21000		940	140
91-57-6	2-Methylnaphthalene	5100		940	140
208-96-8	Acenaphthylene	300	J	940	130
83-32-9	Acenaphthene	6900		940	130
86-73-7	Fluorene	4400		940	160
85-01-8	Phenanthrene	14000		940	160
120-12-7	Anthracene	4900		940	170
206-44-0	Fluoranthene	7900		940	160
129-00-0	Pyrene	7200		940	160
56-55-3	Benzo[a]anthracene	3200		94	17
218-01-9	Chrysene	3800		940	140
205-99-2	Benzo[b]fluoranthene	3900	J	94	14
207-08-9	Benzo[k]fluoranthene	1500		94	13
50-32-8	Benzo[a]pyrene	3400		94	12
193-39-5	Indeno[1,2,3-cd]pyrene	2100		94	15
53-70-3	Dibenz[a,h]anthracene	500		94	11
191-24-2	Benzo[g,h,i]perylene	1900		940	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	90		38-105
4165-62-2	Phenol-d5	77		41-118
1718-51-0	Terphenyl-d14	85		16-151
118-79-6	2,4,6-Tribromophenol	69		10-120
367-12-4	2-Fluorophenol	72		37-125
321-60-8	2-Fluorobiphenyl	97		40-109

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2/21/11



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13859-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX001N Lab Sample ID: 220-13859-2  
 Matrix: Solid Lab File ID: j95142.d  
 Analysis Method: 8260B Date Collected: 10/28/2010 12:05  
 Sample wt/vol: 5.04(g) Date Analyzed: 11/03/2010 11:41  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.53(mm)  
 % Moisture: 18.8 Level: (low/med) Medium  
 Analysis Batch No.: 54317 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	210		120	14
108-88-3	Toluene	55	J	120	12
100-41-4	Ethylbenzene	430		120	30
1330-20-7	Xylenes, Total	1100		370	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		57-135
2037-26-5	Toluene-d8 (Surr)	102		46-130
460-00-4	4-Bromofluorobenzene	89		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13859-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX001N Lab Sample ID: 220-13859-2  
 Matrix: Solid Lab File ID: p6778.d  
 Analysis Method: 8270C Date Collected: 10/28/2010 12:05  
 Extract. Method: 3541 Date Extracted: 11/03/2010 07:07  
 Sample wt/vol: 15.00(g) Date Analyzed: 11/03/2010 13:44  
 Con. Extract Vol.: 1(mL) Dilution Factor: 10  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 18.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 54385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	12000		4100	600
91-57-6	2-Methylnaphthalene	4100	U	4100	590
208-96-8	Acenaphthylene	9700		4100	580
83-32-9	Acenaphthene	7400		4100	580
86-73-7	Fluorene	26000		4100	690
85-01-8	Phenanthrene	64000		4100	710
120-12-7	Anthracene	21000		4100	720
206-44-0	Fluoranthene	35000		4100	680
129-00-0	Pyrene	31000		4100	700
56-55-3	Benzo[a]anthracene	16000		410	75
218-01-9	Chrysene	15000		4100	590
205-99-2	Benzo[b]fluoranthene	12000		410	61
207-08-9	Benzo[k]fluoranthene	5900		410	57
50-32-8	Benzo[a]pyrene	12000		410	50
193-39-5	Indeno[1,2,3-cd]pyrene	5900		410	65
53-70-3	Dibenz(a,h)anthracene	1200		410	49
191-24-2	Benzo[g,h,i]perylene	4900		4100	430

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	0	D	38-105
4165-62-2	Phenol-d5	0	D	41-118
1718-51-0	Terphenyl-d14	0	D	16-151
118-79-6	2,4,6-Tribromophenol	0	D	10-120
367-12-4	2-Fluorophenol	0	D	37-125
321-60-8	2-Fluorobiphenyl	0	D	40-109

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX001N Lab Sample ID: 220-13859-2  
 Lab Name: TestAmerica Edison Job No.: 220-13859-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 10/28/2010 12:05  
 Reporting Basis: DRY Date Received: 11/01/2010 14:44  
 % Solids: 81.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	<b>Lead</b>	13.8	1.2	0.59	mg/Kg			4	6010B
7439-97-6	<b>Mercury</b>	0.030	0.039	0.030	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX001S Lab Sample ID: 220-13952-1  
 Matrix: Solid Lab File ID: d24489.d  
 Analysis Method: 8260B Date Collected: 11/04/2010 15:00  
 Sample wt/vol: 5.00(g) Date Analyzed: 11/10/2010 23:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25(mm)  
 % Moisture: 23.8 Level: (low/med) Low  
 Analysis Batch No.: 55274 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.3	U	1.3	0.97
108-88-3	Toluene	1.3	U	1.3	0.39
100-41-4	Ethylbenzene	0.33	J	1.3	0.25
1330-20-7	Xylenes, Total	3.9	U	3.9	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-138
2037-26-5	Toluene-d8 (Surr)	95		66-126
460-00-4	4-Bromofluorobenzene	92		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX001S Lab Sample ID: 220-13952-1  
 Matrix: Solid Lab File ID: u63093.d  
 Analysis Method: 8270C Date Collected: 11/04/2010 15:00  
 Extract. Method: 3541 Date Extracted: 11/11/2010 11:00  
 Sample wt/vol: 14.99(g) Date Analyzed: 11/13/2010 01:34  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 23.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55709 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	430	U	430	64
91-57-6	2-Methylnaphthalene	430	U	430	63
208-96-8	Acenaphthylene	430	U	430	62
83-32-9	Acenaphthene	430	U	430	62
86-73-7	Fluorene	430	U	430	74
85-01-8	Phenanthrene	430	U	430	76
120-12-7	Anthracene	430	U	430	77
206-44-0	Fluoranthene	120	J	430	72
129-00-0	Pyrene	170	J	430	75
56-55-3	Benzo[a]anthracene	68		43	8.0
218-01-9	Chrysene	73	J	430	63
205-99-2	Benzo[b]fluoranthene	65		43	6.5
207-08-9	Benzo[k]fluoranthene	31	J	43	6.1
50-32-8	Benzo[a]pyrene	51		43	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	43	U	43	6.9
53-70-3	Dibenz(a,h)anthracene	43	U	43	5.2
191-24-2	Benzo[g,h,i]perylene	430	U	430	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		38-105
4165-62-2	Phenol-d5	67		41-118
1718-51-0	Terphenyl-d14	88		16-151
118-79-6	2,4,6-Tribromophenol	68		10-120
367-12-4	2-Fluorophenol	60		37-125
321-60-8	2-Fluorobiphenyl	90		40-109

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX001S Lab Sample ID: 220-13952-1  
 Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/04/2010 15:00  
 Reporting Basis: DRY Date Received: 11/06/2010 09:55  
 % Solids: 76.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	15.9	1.3	0.64	mg/Kg			4	6010B
7439-97-6	Mercury	0.057	0.043	0.034	mg/Kg			1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX002N Lab Sample ID: 220-13952-4  
 Matrix: Solid Lab File ID: o42172.d  
 Analysis Method: 8260B Date Collected: 11/05/2010 15:10  
 Sample wt/vol: 5.47(g) Date Analyzed: 11/10/2010 18:12  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10 (mL) GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 18.0 Level: (low/med) Medium  
 Analysis Batch No.: 55194 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1900		110	13
108-88-3	Toluene	1600		110	11
100-41-4	Ethylbenzene	5700		110	28
1330-20-7	Xylenes, Total	28000		330	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		57-135
2037-26-5	Toluene-d8 (Surr)	104		46-130
460-00-4	4-Bromofluorobenzene	102		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX002N Lab Sample ID: 220-13952-4  
 Matrix: Solid Lab File ID: u63134.d  
 Analysis Method: 8270C Date Collected: 11/05/2010 15:10  
 Extract. Method: 3541 Date Extracted: 11/11/2010 11:00  
 Sample wt/vol: 15.00(g) Date Analyzed: 11/15/2010 19:29  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 18.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55846 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	24000		2000	300
91-57-6	2-Methylnaphthalene	6200		2000	290
208-96-8	Acenaphthylene	2100		2000	290
83-32-9	Acenaphthene	2300		2000	290
86-73-7	Fluorene	6100		2000	340
85-01-8	Phenanthrene	15000		2000	350
120-12-7	Anthracene	5400		2000	360
206-44-0	Fluoranthene	5200		2000	340
129-00-0	Pyrene	5500		2000	350
56-55-3	Benzo[a]anthracene	3100		200	37
218-01-9	Chrysene	3200		2000	290
205-99-2	Benzo[b]fluoranthene	1800		200	30
207-08-9	Benzo[k]fluoranthene	1000		200	28
50-32-8	Benzo[a]pyrene	2000		200	25
193-39-5	Indeno[1,2,3-cd]pyrene	880		200	32
53-70-3	Dibenz(a,h)anthracene	350		200	24
191-24-2	Benzo[g,h,i]perylene	780	J	2000	210

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	81		38-105
4165-62-2	Phenol-d5	69		41-118
1718-51-0	Terphenyl-d14	90		16-151
118-79-6	2,4,6-Tribromophenol	73		10-120
367-12-4	2-Fluorophenol	69		37-125
321-60-8	2-Fluorobiphenyl	98		40-109

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX002N Lab Sample ID: 220-13952-4  
 Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/05/2010 15:10  
 Reporting Basis: DRY Date Received: 11/06/2010 09:55  
 % Solids: 82.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.9	1.2	0.59	mg/Kg			4	6010B
7439-97-6	Mercury	0.037	0.037	0.029	mg/Kg	U		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX002S Lab Sample ID: 220-13952-3  
 Matrix: Solid Lab File ID: d24491.d  
 Analysis Method: 8260B Date Collected: 11/05/2010 15:05  
 Sample wt/vol: 5.44(g) Date Analyzed: 11/11/2010 00:18  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25(mm)  
 % Moisture: 24.9 Level: (low/med) Low  
 Analysis Batch No.: 55274 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.2	U	1.2	0.91
108-88-3	Toluene	1.2	U	1.2	0.37
100-41-4	Ethylbenzene	1.2	U	1.2	0.23
1330-20-7	Xylenes, Total	3.7	U	3.7	0.96

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-138
2037-26-5	Toluene-d8 (Surr)	96		66-126
460-00-4	4-Bromofluorobenzene	91		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13952-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX002S Lab Sample ID: 220-13952-3  
 Matrix: Solid Lab File ID: u63102.d  
 Analysis Method: 8270C Date Collected: 11/05/2010 15:05  
 Extract. Method: 3541 Date Extracted: 11/11/2010 11:00  
 Sample wt/vol: 15.02(g) Date Analyzed: 11/13/2010 04:54  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 24.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55709 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	440	U	440	64
91-57-6	2-Methylnaphthalene	440	U	440	64
208-96-8	Acenaphthylene	440	U	440	63
83-32-9	Acenaphthene	440	U	440	63
86-73-7	Fluorene	440	U	440	74
85-01-8	Phenanthrene	80	J	440	77
120-12-7	Anthracene	440	U	440	78
206-44-0	Fluoranthene	130	J	440	73
129-00-0	Pyrene	230	J	440	76
56-55-3	Benzo[a]anthracene	180		44	8.1
218-01-9	Chrysene	220	J	440	64
205-99-2	Benzo[b]fluoranthene	200		44	6.5
207-08-9	Benzo[k]fluoranthene	98		44	6.2
50-32-8	Benzo[a]pyrene	190		44	5.4
193-39-5	Indeno[1,2,3-cd]pyrene	160		44	7.0
53-70-3	Dibenz(a,h)anthracene	50		44	5.3
191-24-2	Benzo[g,h,i]perylene	150	J	440	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	84		38-105
4165-62-2	Phenol-d5	62		41-118
1718-51-0	Terphenyl-d14	97		16-151
118-79-6	2,4,6-Tribromophenol	56		10-120
367-12-4	2-Fluorophenol	56		37-125
321-60-8	2-Fluorobiphenyl	93		40-109



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX003N Lab Sample ID: 220-13957-3  
 Matrix: Solid Lab File ID: o42440.d  
 Analysis Method: 8260B Date Collected: 11/08/2010 13:15  
 Sample wt/vol: 5.26(g) Date Analyzed: 11/18/2010 04:50  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 19.0 Level: (low/med) Low  
 Analysis Batch No.: 56050 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	30		1.2	0.87
108-88-3	Toluene	6.8		1.2	0.35
100-41-4	Ethylbenzene	45		1.2	0.22
1330-20-7	Xylenes, Total	46		3.5	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-138
2037-26-5	Toluene-d8 (Surr)	95		66-126
460-00-4	4-Bromofluorobenzene	110		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX003N Lab Sample ID: 220-13957-3  
 Matrix: Solid Lab File ID: p7175.d  
 Analysis Method: 8270C Date Collected: 11/08/2010 13:15  
 Extract. Method: 3541 Date Extracted: 11/16/2010 12:00  
 Sample wt/vol: 14.99(g) Date Analyzed: 11/19/2010 11:52  
 Con. Extract Vol.: 1(mL) Dilution Factor: 2  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 19.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 56251 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	870		820	120
91-57-6	2-Methylnaphthalene	140	J	820	120
208-96-8	Acenaphthylene	2800		820	120
83-32-9	Acenaphthene	2300	J	820	120
86-73-7	Fluorene	7100		820	140
85-01-8	Phenanthrene	14000		820	140
120-12-7	Anthracene	5600		820	140
206-44-0	Fluoranthene	9600		820	140
129-00-0	Pyrene	8100		820	140
56-55-3	Benzo[a]anthracene	4900		82	15
218-01-9	Chrysene	4300		820	120
205-99-2	Benzo[b]fluoranthene	4500		82	12
207-08-9	Benzo[k]fluoranthene	2100		82	11
50-32-8	Benzo[a]pyrene	4000		82	10
193-39-5	Indeno[1,2,3-cd]pyrene	1900		82	13
53-70-3	Dibenz[a,h]anthracene	410		82	9.8
191-24-2	Benzo[g,h,i]perylene	1700		820	86

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		38-105
4165-62-2	Phenol-d5	73		41-118
1718-51-0	Terphenyl-d14	91		16-151
118-79-6	2,4,6-Tribromophenol	42		10-120
367-12-4	2-Fluorophenol	65		37-125
321-60-8	2-Fluorobiphenyl	86		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX003S Lab Sample ID: 220-13957-2  
 Matrix: Solid Lab File ID: o42439.d  
 Analysis Method: 8260B Date Collected: 11/08/2010 13:00  
 Sample wt/vol: 5.12(g) Date Analyzed: 11/18/2010 04:23  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18(mm)  
 % Moisture: 20.5 Level: (low/med) Low  
 Analysis Batch No.: 56050 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	4.4		1.2	0.91
108-88-3	Toluene	0.75	J	1.2	0.37
100-41-4	Ethylbenzene	2.7		1.2	0.23
1330-20-7	Xylenes, Total	5.9		3.7	0.97

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-138
2037-26-5	Toluene-d8 (Surr)	94		66-126
460-00-4	4-Bromofluorobenzene	109		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX003S Lab Sample ID: 220-13957-2  
 Matrix: Solid Lab File ID: p7181.d  
 Analysis Method: 8270C Date Collected: 11/08/2010 13:00  
 Extract. Method: 3541 Date Extracted: 11/16/2010 12:00  
 Sample wt/vol: 15.02(g) Date Analyzed: 11/19/2010 15:34  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 20.5 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 56294 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	410	U	410	61
91-57-6	2-Methylnaphthalene	410	U	410	61
208-96-8	Acenaphthylene	410	U	410	59
83-32-9	Acenaphthene	290	J	410	59
86-73-7	Fluorene	410	U	410	70
85-01-8	Phenanthrene	410	U	410	72
120-12-7	Anthracene	410	U	410	73
206-44-0	Fluoranthene	410	U	410	69
129-00-0	Pyrene	410	U	410	72
56-55-3	Benzo[a]anthracene	41	U	41	7.7
218-01-9	Chrysene	410	U	410	60
205-99-2	Benzo[b]fluoranthene	41	U	41	6.2
207-08-9	Benzo[k]fluoranthene	41	U	41	5.8
50-32-8	Benzo[a]pyrene	41	U	41	5.1
193-39-5	Indeno[1,2,3-cd]pyrene	41	U	41	6.6
53-70-3	Dibenz(a,h)anthracene	41	U	41	5.0
191-24-2	Benzo[g,h,i]perylene	410	U	410	44

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		38-105
4165-62-2	Phenol-d5	86		41-118
1718-51-0	Terphenyl-d14	91		16-151
118-79-6	2,4,6-Tribromophenol	82		10-120
367-12-4	2-Fluorophenol	65		37-125
321-60-8	2-Fluorobiphenyl	79		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 004N Lab Sample ID: 220-13992-2  
 Matrix: Solid Lab File ID: o42289.d  
 Analysis Method: 8260B Date Collected: 11/10/2010 12:05  
 Sample wt/vol: 5.77(g) Date Analyzed: 11/13/2010 05:49  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 500  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.18(mm)  
 % Moisture: 22.3 Level: (low/med) Medium  
 Analysis Batch No.: 55582 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	340	J	1100	130
108-88-3	Toluene	1100		1100	110
100-41-4	Ethylbenzene	7600		1100	280
1330-20-7	Xylenes, Total	22000		3300	490

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		57-135
2037-26-5	Toluene-d8 (Surr)	96		46-130
460-00-4	4-Bromofluorobenzene	103		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 004N Lab Sample ID: 220-13992-2  
 Matrix: Solid Lab File ID: u63190.d  
 Analysis Method: 8270C Date Collected: 11/10/2010 12:05  
 Extract. Method: 3541 Date Extracted: 11/15/2010 14:00  
 Sample wt/vol: 15.04(g) Date Analyzed: 11/16/2010 19:46  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 22.3 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55977 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	44000		2100	310
<b>91-57-6</b>	2-Methylnaphthalene	7100		2100	310
208-96-8	Acenaphthylene	13000		2100	300
83-32-9	Acenaphthene	5200		2100	300
86-73-7	Fluorene	17000		2100	360
<b>85-01-8</b>	Phenanthrene	<b>44000</b>		2100	370
120-12-7	Anthracene	14000		2100	370
206-44-0	Fluoranthene	26000		2100	350
<b>129-00-0</b>	Pyrene	22000		<b>2100</b>	<b>370</b>
56-55-3	Benzo[a]anthracene	13000		210	<b>39</b>
218-01-9	Chrysene	11000		2100	310
205-99-2	Benzo[b]fluoranthene	11000		210	32
207-08-9	Benzo[k]fluoranthene	5600		210	30
50-32-8	Benzo[a]pyrene	10000		210	26
193-39-5	Indeno[1,2,3-cd]pyrene	6800		210	34
53-70-3	Dibenz(a,h)anthracene	1500		210	26
191-24-2	Benzo[g,h,i]perylene	6100		2100	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	71		38-105
<b>4165-62-2</b>	<b>Phenol-d5</b>	<b>86</b>		41-118
1718-51-0	Terphenyl-d14	97		16-151
118-79-6	2,4,6-Tribromophenol	59		10-120
367-12-4	2-Fluorophenol	70		37-125
321-60-8	2-Fluorobiphenyl	89		40-109

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX 004N Lab Sample ID: 220-13992-2  
 Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/10/2010 12:05  
 Reporting Basis: DRY Date Received: 11/11/2010 10:00  
 % Solids: 77.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	11.5	1.3	0.64	mg/Kg			4	6010B
7439-97-6	Mercury	0.039	0.039	0.030	mg/Kg	U		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 004S Lab Sample ID: 220-13992-3  
 Matrix: Solid Lab File ID: o42392.d  
 Analysis Method: 8260B Date Collected: 11/10/2010 12:10  
 Sample wt/vol: 5.24(g) Date Analyzed: 11/17/2010 03:39  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18(mm)  
 % Moisture: 19.0 Level: (low/med) Low  
 Analysis Batch No.: 55909 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	4.0		1.2	0.87
108-88-3	Toluene	0.47	J	1.2	0.35
100-41-4	Ethylbenzene	1.9	<del>B</del> U	1.2	0.22
1330-20-7	Xylenes, Total	2.4	J	3.5	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-138
2037-26-5	Toluene-d8 (Surr)	94		66-126
460-00-4	4-BromoFluorobenzene	109		72-132

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 004S Lab Sample ID: 220-13992-3  
 Matrix: Solid Lab File ID: u63156.d  
 Analysis Method: 8270C Date Collected: 11/10/2010 12:10  
 Extract. Method: 3541 Date Extracted: 11/15/2010 14:00  
 Sample wt/vol: 15.02(g) Date Analyzed: 11/16/2010 05:35  
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 19.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 55835 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	410	U	410	60
91-57-6	2-Methylnaphthalene	410	U	410	60
208-96-8	Acenaphthylene	410	U	410	58
83-32-9	Acenaphthene	150	J	410	58
86-73-7	Fluorene	410	U	410	69
85-01-8	Phenanthrene	410	U	410	71
120-12-7	Anthracene	410	U	410	72
206-44-0	Fluoranthene	410	U	410	68
129-00-0	Pyrene	410	U	410	71
56-55-3	Benzo[a]anthracene	41	U	41	7.5
218-01-9	Chrysene	410	U	410	59
205-99-2	Benzo[b]fluoranthene	41	U	41	6.1
207-08-9	Benzo[k]fluoranthene	41	U	41	5.7
50-32-8	Benzo[a]pyrene	41	U	41	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	41	U	41	6.5
53-70-3	Dibenz(a,h)anthracene	41	U	41	4.9
191-24-2	Benzo[g,h,i]perylene	410	U	410	43

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		38-105
4165-62-2	Phenol-d5	66		41-118
1718-51-0	Terphenyl-d14	83		16-151
118-79-6	2,4,6-Tribromophenol	73		10-120
367-12-4	2-Fluorophenol	59		37-125
321-60-8	2-Fluorobiphenyl	75		40-109



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX005N Lab Sample ID: 220-14462-2  
 Matrix: Solid Lab File ID: j96752.d  
 Analysis Method: 8260B Date Collected: 12/28/2010 13:35  
 Sample wt/vol: 5.44(g) Date Analyzed: 01/04/2011 04:15  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.53 (mm)  
 % Moisture: 19.0 Level: (low/med) Medium  
 Analysis Batch No.: 60544 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1200		110	13
108-88-3	Toluene	750		110	11
100-41-4	Ethylbenzene	3000		110	28
1330-20-7	Xylenes, Total	15000		340	49

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	127		57-135
2037-26-5	Toluene-d8 (Surr)	115		46-130
460-00-4	4-Bromofluorobenzene	100		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX005N Lab Sample ID: 220-14462-2  
 Matrix: Solid Lab File ID: u64496.d  
 Analysis Method: 8270C Date Collected: 12/28/2010 13:35  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 15.01(g) Date Analyzed: 01/04/2011 19:41  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 19.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	5500		410	60
91-57-6	2-Methylnaphthalene	380	J	410	60
208-96-8	Acenaphthylene	1200		410	58
83-32-9	Acenaphthene	440		410	58
86-73-7	Fluorene	1700		410	69
85-01-8	Phenanthrene	4100		410	71
120-12-7	Anthracene	1500		410	72
206-44-0	Fluoranthene	1800		410	68
129-00-0	Pyrene	1700		410	71
56-55-3	Benzo[a]anthracene	890		41	7.6
218-01-9	Chrysene	810		410	59
205-99-2	Benzo[b]fluoranthene	710		41	6.1
207-08-9	Benzo[k]fluoranthene	310		41	5.7
50-32-8	Benzo[a]pyrene	690		41	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	360		41	6.5
53-70-3	Dibenz(a,h)anthracene	100	J	41	4.9
191-24-2	Benzo[g,h,i]perylene	320	J	410	43

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	95		38-105
4165-62-2	Phenol-d5	88		41-118
1718-51-0	Terphenyl-d14	97		16-151
118-79-6	2,4,6-Tribromophenol	50		10-120
367-12-4	2-Fluorophenol	77		37-125
321-60-8	2-Fluorobiphenyl	94		40-109

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX005N Lab Sample ID: 220-14462-2  
 Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/28/2010 13:35  
 Reporting Basis: DRY Date Received: 12/29/2010 12:40  
 % Solids: 81.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.5	1.2	0.59	mg/Kg			4	6010B
7439-97-6	Mercury	0.036	0.036	0.029	mg/Kg	0		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX005S Lab Sample ID: 220-14039-2  
 Matrix: Solid Lab File ID: 01156.D  
 Analysis Method: 8260B Date Collected: 11/15/2010 13:15  
 Sample wt/vol: 5(g) Date Analyzed: 11/17/2010 17:11  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 23.8 Level: (low/med) Low  
 Analysis Batch No.: 45217 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.5	J	6.6	0.75
108-88-3	Toluene	1.5	J	6.6	0.097
100-41-4	Ethylbenzene	6.6	U	6.6	0.92
1330-20-7	Xylenes, Total	2.6	J	6.6	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		59-132
460-00-4	4-Bromofluorobenzene	74		34-124
1868-53-7	Dibromofluoromethane	94		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX005S Lab Sample ID: 220-14039-2  
 Matrix: Solid Lab File ID: C20764.D  
 Analysis Method: 8270C Date Collected: 11/15/2010 13:15  
 Extract. Method: 3541 Date Extracted: 11/19/2010 11:44  
 Sample wt/vol: 15.05(g) Date Analyzed: 11/29/2010 18:55  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 23.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45582 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1700		350	18
91-57-6	2-Methylnaphthalene	360		350	10
208-96-8	Acenaphthylene	200	J	350	17
83-32-9	Acenaphthene	630		350	21
86-73-7	Fluorene	330	J	350	21
85-01-8	Phenanthrene	780		350	17
120-12-7	Anthracene	210	J	350	14
206-44-0	Fluoranthene	450		350	18
129-00-0	Pyrene	510		350	17
56-55-3	Benzo[a]anthracene	170	J	350	13
218-01-9	Chrysene	130	J	350	26
205-99-2	Benzo[b]fluoranthene	150	J	350	9.4
207-08-9	Benzo[k]fluoranthene	58	J	350	32
50-32-8	Benzo[a]pyrene	140	J	350	9.6
193-39-5	Indeno[1,2,3-cd]pyrene	580		350	23
53-70-3	Dibenz(a,h)anthracene	370		350	28
191-24-2	Benzo[g,h,i]perylene	540		350	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	52		34-120
4165-62-2	Phenol-d5	53		36-120
4165-60-0	Nitrobenzene-d5	53		38-120
321-60-8	2-Fluorobiphenyl	56		41-120
118-79-6	2,4,6-Tribromophenol	61		37-120
1718-51-0	Terphenyl-d14	86		32-125



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX006N Lab Sample ID: 220-14039-5  
 Matrix: Solid Lab File ID: 01201.D  
 Analysis Method: 8260B Date Collected: 11/16/2010 12:45  
 Sample wt/vol: 5(g) Date Analyzed: 11/18/2010 22:18  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 2  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 25.4 Level: (low/med) Low  
 Analysis Batch No.: 45420 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	81		13	1.5
108-88-3	Toluene	4.0	J	13	0.20
100-41-4	Ethylbenzene	480		13	1.9
1330-20-7	Xylenes, Total	370		13	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		59-132
460-00-4	4-Bromofluorobenzene	83		34-124
1868-53-7	Dibromofluoromethane	95		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX006N Lab Sample ID: 220-14039-5  
 Matrix: Solid Lab File ID: C20774.D  
 Analysis Method: 8270C Date Collected: 11/16/2010 12:45  
 Extract. Method: 3541 Date Extracted: 11/19/2010 11:44  
 Sample wt/vol: 15.06(g) Date Analyzed: 11/30/2010 10:14  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 2  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 25.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45584 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	8500		720	37
91-57-6	2-Methylnaphthalene	1100		720	21
208-96-8	Acenaphthylene	100	J	720	35
83-32-9	Acenaphthene	3500		720	43
86-73-7	Fluorene	2800		720	43
85-01-8	Phenanthrene	6400		720	36
120-12-7	Anthracene	1500		720	28
206-44-0	Fluoranthene	1800		720	36
129-00-0	Pyrene	1100		720	34
56-55-3	Benzo[a]anthracene	140	J	720	26
218-01-9	Chrysene	110	J	720	53
205-99-2	Benzo[b]fluoranthene	94	J	720	19
207-08-9	Benzo[k]fluoranthene	720	U	720	65
50-32-8	Benzo[a]pyrene	94	J	720	19
193-39-5	Indeno[1,2,3-cd]pyrene	1100		720	47
53-70-3	Dibenz(a,h)anthracene	720	U	720	57
191-24-2	Benzo[g,h,i]perylene	1000		720	47

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	52		34-120
4165-62-2	Phenol-d5	53		36-120
4165-60-0	Nitrobenzene-d5	55		38-120
321-60-8	2-Fluorobiphenyl	58		41-120
118-79-6	2,4,6-Tribromophenol	55		37-120
1718-51-0	Terphenyl-d14	57		32-125



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX006S Lab Sample ID: 220-14039-4  
 Matrix: Solid Lab File ID: 01200.D  
 Analysis Method: 8260B Date Collected: 11/16/2010 12:30  
 Sample wt/vol: 5(g) Date Analyzed: 11/18/2010 21:53  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 21.0 Level: (low/med) Low  
 Analysis Batch No.: 45420 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	5.3	J	25	2.9
108-88-3	Toluene	5.3	J	25	0.37
100-41-4	Ethylbenzene	400		25	3.5
1330-20-7	Xylenes, Total	420		25	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		59-132
460-00-4	4-Bromofluorobenzene	103		34-124
1868-53-7	Dibromofluoromethane	92		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX006S Lab Sample ID: 220-14039-4  
 Matrix: Solid Lab File ID: C20773.D  
 Analysis Method: 8270C Date Collected: 11/16/2010 12:30  
 Extract. Method: 3541 Date Extracted: 11/19/2010 11:44  
 Sample wt/vol: 15.06(g) Date Analyzed: 11/30/2010 09:45  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 10  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 21.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45584 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	48000		3400	180
91-57-6	2-Methylnaphthalene	34000		3400	97
208-96-8	Acenaphthylene	2000	J	3400	170
83-32-9	Acenaphthene	25000		3400	200
86-73-7	Fluorene	15000		3400	200
85-01-8	Phenanthrene	36000		3400	170
120-12-7	Anthracene	14000		3400	130
206-44-0	Fluoranthene	17000		3400	170
129-00-0	Pyrene	18000		3400	160
56-55-3	Benzo[a]anthracene	7100		3400	120
218-01-9	Chrysene	6800		3400	250
205-99-2	Benzo[b]fluoranthene	5600		3400	91
207-08-9	Benzo[k]fluoranthene	2100	J	3400	310
50-32-8	Benzo[a]pyrene	6200		3400	92
193-39-5	Indeno[1,2,3-cd]pyrene	6500		3400	220
53-70-3	Dibenz(a,h)anthracene	3700		3400	270
191-24-2	Benzo[g,h,i]perylene	6100		3400	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	59		34-120
4165-62-2	Phenol-d5	64		36-120
4165-60-0	Nitrobenzene-d5	64		38-120
321-60-8	2-Fluorobiphenyl	77		41-120
118-79-6	2,4,6-Tribromophenol	62		37-120
1718-51-0	Terphenyl-d14	77		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX006S Lab Sample ID: 220-14039-4  
 Lab Name: TestAmerica Connecticut Job No.: 220-14039-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/16/2010 12:30  
 Reporting Basis: DRY Date Received: 11/17/2010 09:40  
 % Solids: 79.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	11.7	4.6	0.95	mg/Kg			1	6010B
7439-97-6	Mercury	0.026	0.055	0.0044	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX007N Lab Sample ID: 220-14463-2  
 Matrix: Solid Lab File ID: j96651.d  
 Analysis Method: 8260B Date Collected: 12/27/2010 13:35  
 Sample wt/vol: 5.61(g) Date Analyzed: 12/31/2010 08:21  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.53(mm)  
 % Moisture: 21.6 Level: (low/med) Medium  
 Analysis Batch No.: 60414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1300		110	13
108-88-3	Toluene	1200		110	11
100-41-4	Ethylbenzene	4600		110	28
1330-20-7	Xylenes, Total	13000		340	49

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		57-135
2037-26-5	Toluene-d8 (Surr)	102		46-130
460-00-4	4-Bromofluorobenzene	91		50-124

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX007N Lab Sample ID: 220-14463-2  
 Matrix: Solid Lab File ID: u64493.d  
 Analysis Method: 8270C Date Collected: 12/27/2010 13:35  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 15.04(g) Date Analyzed: 01/04/2011 18:31  
 Con. Extract Vol.: 1(mL) Dilution Factor: 2  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 21.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	7300		840	120
91-57-6	2-Methylnaphthalene	1100		840	120
208-96-8	Acenaphthylene	1200		840	120
83-32-9	Acenaphthene	1400		840	120
86-73-7	Fluorene	2200		840	140
85-01-8	Phenanthrene	5400		840	150
120-12-7	Anthracene	1400		840	150
206-44-0	Fluoranthene	2700		840	140
129-00-0	Pyrene	2700		840	150
56-55-3	Benzo[a]anthracene	1400		84	16
218-01-9	Chrysene	1100		840	120
205-99-2	Benzo[b]fluoranthene	1100		84	13
207-08-9	Benzo[k]fluoranthene	630		84	12
50-32-8	Benzo[a]pyrene	1100		84	10
193-39-5	Indeno[1,2,3-cd]pyrene	660		84	13
53-70-3	Dibenz(a,h)anthracene	170		84	10
191-24-2	Benzo[g,h,i]perylene	660	J	840	89

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	99		38-105
4165-62-2	Phenol-d5	90		41-118
1718-51-0	Terphenyl-d14	97		16-151
118-79-6	2,4,6-Tribromophenol	41		10-120
367-12-4	2-Fluorophenol	80		37-125
321-60-8	2-Fluorobiphenyl	108		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14071-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 007S Lab Sample ID: 220-14071-2  
 Matrix: Solid Lab File ID: 01419.D  
 Analysis Method: 8260B Date Collected: 11/18/2010 13:15  
 Sample wt/vol: 5(g) Date Analyzed: 11/30/2010 17:08  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 19.6 Level: (low/med) Low  
 Analysis Batch No.: 45694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.2	U	6.2	0.71
108-88-3	Toluene	6.2	U	6.2	0.092
100-41-4	Ethylbenzene	6.2	U	6.2	0.87
1330-20-7	Xylenes, Total	6.2	U	6.2	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		59-132
460-00-4	4-Bromofluorobenzene	88		34-124
1868-53-7	Dibromofluoromethane	104		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14071-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 007S Lab Sample ID: 220-14071-2  
 Matrix: Solid Lab File ID: C20836.D  
 Analysis Method: 8270C Date Collected: 11/18/2010 13:15  
 Extract. Method: 3541 Date Extracted: 11/29/2010 14:08  
 Sample wt/vol: 15.01(g) Date Analyzed: 12/02/2010 09:48  
 Con. Extract Vol.: 1(mL) Dilution Factor: 5  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 19.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 45706 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	260	J	1700	87
91-57-6	2-Methylnaphthalene	54	J	1700	48
208-96-8	Acenaphthylene	1400	J	1700	82
83-32-9	Acenaphthene	5100		1700	99
86-73-7	Fluorene	4600		1700	100
85-01-8	Phenanthrene	18000		1700	83
120-12-7	Anthracene	4500		1700	65
206-44-0	Fluoranthene	16000		1700	83
129-00-0	Pyrene	23000		1700	79
56-55-3	Benzo[a]anthracene	7900		1700	60
218-01-9	Chrysene	7400		1700	120
205-99-2	Benzo[b]fluoranthene	6100		1700	45
207-08-9	Benzo[k]fluoranthene	2400		1700	150
50-32-8	Benzo[a]pyrene	7000		1700	45
193-39-5	Indeno[1,2,3-cd]pyrene	4900		1700	110
53-70-3	Dibenz(a,h)anthracene	2400		1700	130
191-24-2	Benzo[g,h,i]perylene	4700		1700	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	69		34-120
4165-62-2	Phenol-d5	73		36-120
4165-60-0	Nitrobenzene-d5	73		38-120
321-60-8	2-Fluorobiphenyl	77		41-120
118-79-6	2,4,6-Tribromophenol	73		37-120
1718-51-0	Terphenyl-d14	89		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX 007S Lab Sample ID: 220-14071-2  
 Lab Name: TestAmerica Connecticut Job No.: 220-14071-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/18/2010 13:15  
 Reporting Basis: DRY Date Received: 11/19/2010 09:45  
 % Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	13.1	4.5	0.92	mg/Kg			1	6010B
7439-97-6	Mercury	0.031	0.059	0.0047	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX009S Lab Sample ID: 220-14267-2  
 Matrix: Solid Lab File ID: N0262.D  
 Analysis Method: 8260B Date Collected: 12/07/2010 13:35  
 Sample wt/vol: 5(g) Date Analyzed: 12/10/2010 01:02  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 24.8 Level: (low/med) Low  
 Analysis Batch No.: 46164 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	14		6.7	0.76
108-88-3	Toluene	<del>6.7</del> <del>0.85</del>	<del>J</del> <del>B</del>	6.7	0.098
100-41-4	Ethylbenzene	6.7	U	6.7	0.93
1330-20-7	Xylenes, Total	1.8	J	6.7	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		59-132
460-00-4	4-Bromofluorobenzene	92		34-124
1868-53-7	Dibromofluoromethane	90		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX009S Lab Sample ID: 220-14267-2  
 Matrix: Solid Lab File ID: Z18644.D  
 Analysis Method: 8270C Date Collected: 12/07/2010 13:35  
 Extract. Method: 3541 Date Extracted: 12/09/2010 10:48  
 Sample wt/vol: 15.02(g) Date Analyzed: 12/14/2010 22:31  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 24.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46269 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	49	J	360	19
91-57-6	2-Methylnaphthalene	21	J	360	10
208-96-8	Acenaphthylene	360	U	360	18
83-32-9	Acenaphthene	58	J	360	21
86-73-7	Fluorene	360	U	360	22
85-01-8	Phenanthrene	360	U	360	18
120-12-7	Anthracene	360	U	360	14
206-44-0	Fluoranthene	33	J	360	18
129-00-0	Pyrene	27	J	360	17
56-55-3	Benzo[a]anthracene	24	J	360	13
218-01-9	Chrysene	29	J	360	26
205-99-2	Benzo[b]fluoranthene	360	U	360	9.6
207-08-9	Benzo[k]fluoranthene	360	U	360	32
50-32-8	Benzo[a]pyrene	360	U	360	9.7
193-39-5	Indeno[1,2,3-cd]pyrene	360	U	360	23
53-70-3	Dibenz(a,h)anthracene	360	U	360	28
191-24-2	Benzo[g,h,i]perylene	360	U	360	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	63		34-120
4165-62-2	Phenol-d5	62		36-120
4165-60-0	Nitrobenzene-d5	63		38-120
321-60-8	2-Fluorobiphenyl	61		41-120
118-79-6	2,4,6-Tribromophenol	65		37-120
1718-51-0	Terphenyl-d14	62		32-125

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14471-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX010AN Lab Sample ID: 220-14471-2  
 Matrix: Solid Lab File ID: j96652.d  
 Analysis Method: 8260B Date Collected: 12/29/2010 13:35  
 Sample wt/vol: 5.01(g) Date Analyzed: 12/31/2010 08:45  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 250  
 Soil Extract Vol.: 10(mL) GC Column: DB-624 ID: 0.53(mm)  
 % Moisture: 20.7 Level: (low/med) Medium  
 Analysis Batch No.: 60414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6900		630	75
108-88-3	Toluene	24000		630	60
100-41-4	Ethylbenzene	14000		630	160
1330-20-7	Xylenes, Total	84000		1900	270

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	130		57-135
2037-26-5	Toluene-d8 (Surr)	113		46-130
460-00-4	4-Bromofluorobenzene	105		50-124

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14471-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX010~~N~~ DL Lab Sample ID: 220-14471-2 DL  
 Matrix: Solid Lab File ID: u64494.d  
 Analysis Method: 8270C Date Collected: 12/29/2010 13:35  
 Extract. Method: 3541 Date Extracted: 01/02/2011 08:05  
 Sample wt/vol: 14.96(g) Date Analyzed: 01/04/2011 18:54  
 Con. Extract Vol.: 1(mL) Dilution Factor: 20  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 20.7 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60696 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	130000		8300	1200
91-57-6	2-Methylnaphthalene	44000		8300	1200
208-96-8	Acenaphthylene	18000		8300	1200
83-32-9	Acenaphthene	11000		8300	1200
86-73-7	Fluorene	28000		8300	1400
85-01-8	Phenanthrene	66000		8300	1500
120-12-7	Anthracene	20000		8300	1500
206-44-0	Fluoranthene	31000		8300	1400
129-00-0	Pyrene	31000		8300	1400
56-55-3	Benzo[a]anthracene	17000		830	150
218-01-9	Chrysene	16000		8300	1200
205-99-2	Benzo[b]fluoranthene	12000		830	120
207-08-9	Benzo[k]fluoranthene	5700		830	120
50-32-8	Benzo[a]pyrene	12000		830	100
193-39-5	Indeno[1,2,3-cd]pyrene	8000		830	130
53-70-3	Dibenz(a,h)anthracene	2300	J	830	100
191-24-2	Benzo[g,h,i]perylene	8000	J	8300	880

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	0	D	38-105
4165-62-2	Phenol-d5	0	D	41-118
1718-51-0	Terphenyl-d14	0	D	16-151
118-79-6	2,4,6-Tribromophenol	0	D	10-120
367-12-4	2-Fluorophenol	0	D	37-125
321-60-8	2-Fluorobiphenyl	0	D	40-109

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX010XN

Lab Sample ID: 220-14471-2

Lab Name: TestAmerica Edison

Job No.: 220-14471-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 12/29/2010 13:35

Reporting Basis: DRY

Date Received: 12/30/2010 11:45

% Solids: 79.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	11.4	1.2	0.60	mg/Kg			4	6010B
7439-97-6	Mercury	0.047	0.039	0.031	mg/Kg			1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX010S Lab Sample ID: 220-14267-4  
 Matrix: Solid Lab File ID: N0261.D  
 Analysis Method: 8260B Date Collected: 12/07/2010 13:45  
 Sample wt/vol: 5(g) Date Analyzed: 12/10/2010 00:36  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 23.5 Level: (low/med) Low  
 Analysis Batch No.: 46164 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.5	<del>U</del> <b>UJ</b>	6.5	0.74
108-88-3	Toluene	<del>6.5</del> <b>0.35</b>	<del>U</del> <b>U</b>	6.5	0.097
100-41-4	Ethylbenzene	6.5	U	6.5	0.91
1330-20-7	Xylenes, Total	6.5	U	6.5	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		59-132
460-00-4	4-Bromofluorobenzene	94		34-124
1868-53-7	Dibromofluoromethane	98		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX010S Lab Sample ID: 220-14267-4  
 Matrix: Solid Lab File ID: Z18646.D  
 Analysis Method: 8270C Date Collected: 12/07/2010 13:45  
 Extract. Method: 3541 Date Extracted: 12/09/2010 10:48  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/14/2010 23:29  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 23.5 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46269 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	160	J	350	18
91-57-6	2-Methylnaphthalene	38	J	350	10
208-96-8	Acenaphthylene	220	J	350	17
83-32-9	Acenaphthene	1200		350	21
86-73-7	Fluorene	700		350	21
85-01-8	Phenanthrene	1300		350	17
120-12-7	Anthracene	1200		350	14
206-44-0	Fluoranthene	2700		350	17
129-00-0	Pyrene	3000		350	17
56-55-3	Benzo[a]anthracene	1300		350	12
218-01-9	Chrysene	1200		350	26
205-99-2	Benzo[b]fluoranthene	1200		350	9.4
207-08-9	Benzo[k]fluoranthene	410		350	31
50-32-8	Benzo[a]pyrene	1200		350	9.5
193-39-5	Indeno[1,2,3-cd]pyrene	410		350	23
53-70-3	Dibenz(a,h)anthracene	110	J	350	28
191-24-2	Benzo[g,h,i]perylene	400	J	350	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	57		34-120
4165-62-2	Phenol-d5	58		36-120
4165-60-0	Nitrobenzene-d5	57		38-120
321-60-8	2-Fluorobiphenyl	56		41-120
118-79-6	2,4,6-Tribromophenol	59		37-120
1718-51-0	Terphenyl-d14	54		32-125

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX011S Lab Sample ID: 220-14287-2  
 Matrix: Solid Lab File ID: N0295.D  
 Analysis Method: 8260B Date Collected: 12/09/2010 13:35  
 Sample wt/vol: 5(g) Date Analyzed: 12/16/2010 00:48  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.6 Level: (low/med) Low  
 Analysis Batch No.: 46352 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.5	U	6.5	0.74
108-88-3	Toluene	<del>6.5</del> <u>6.5</u>	<del>U</del> <u>J B</u>	6.5	0.096
100-41-4	Ethylbenzene	6.5	U	6.5	0.90
1330-20-7	Xylenes, Total	2.9	J	6.5	0.63

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		59-132
460-00-4	4-Bromofluorobenzene	100		34-124
1868-53-7	Dibromofluoromethane	100		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX011S Lab Sample ID: 220-14287-2  
 Matrix: Solid Lab File ID: Z18714.D  
 Analysis Method: 8270C Date Collected: 12/09/2010 13:35  
 Extract. Method: 3541 Date Extracted: 12/15/2010 14:19  
 Sample wt/vol: 15.05(g) Date Analyzed: 12/17/2010 16:14  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46383 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	230	J	350	18
91-57-6	2-Methylnaphthalene	120	J	350	9.9
208-96-8	Acenaphthylene	66	J	350	17
83-32-9	Acenaphthene	520		350	21
86-73-7	Fluorene	380		350	21
85-01-8	Phenanthrene	710		350	17
120-12-7	Anthracene	370		350	14
206-44-0	Fluoranthene	1300		350	17
129-00-0	Pyrene	1000		350	16
56-55-3	Benzo[a]anthracene	470		350	12
218-01-9	Chrysene	400		350	26
205-99-2	Benzo[b]fluoranthene	360		350	9.3
207-08-9	Benzo[k]fluoranthene	170	J	350	31
50-32-8	Benzo[a]pyrene	350		350	9.4
193-39-5	Indeno[1,2,3-cd]pyrene	110	J	350	23
53-70-3	Dibenz[a,h]anthracene	350	U	350	27
191-24-2	Benzo[g,h,i]perylene	98	J	350	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	76		34-120
4165-62-2	Phenol-d5	78		36-120
4165-60-0	Nitrobenzene-d5	74		38-120
321-60-8	2-Fluorobiphenyl	77		41-120
118-79-6	2,4,6-Tribromophenol	95		37-120
1718-51-0	Terphenyl-d14	92		32-125



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 012S Lab Sample ID: 220-14319-2  
 Matrix: Solid Lab File ID: N0330.D  
 Analysis Method: 8260B Date Collected: 12/10/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 05:31  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 18.7 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.80	J	6.2	0.70
108-88-3	Toluene	<del>0.38</del> 6.2	<del>J</del> U	6.2	0.091
100-41-4	Ethylbenzene	6.2	U	6.2	0.86
1330-20-7	Xylenes, Total	1.5	J	6.2	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		59-132
460-00-4	4-Bromofluorobenzene	93		34-124
1868-53-7	Dibromofluoromethane	94		59-123

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2/23/11

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 012S Lab Sample ID: 220-14319-2  
 Matrix: Solid Lab File ID: C21215.D  
 Analysis Method: 8270C Date Collected: 12/10/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.07(g) Date Analyzed: 12/22/2010 10:36  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 18.7 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	120	J	330	17
91-57-6	2-Methylnaphthalene	37	J	330	9.4
208-96-8	Acenaphthylene	330	U	330	16
83-32-9	Acenaphthene	29	J	330	20
86-73-7	Fluorene	20	J	330	20
85-01-8	Phenanthrene	65	J	330	16
120-12-7	Anthracene	15	J	330	13
206-44-0	Fluoranthene	30	J	330	16
129-00-0	Pyrene	24	J	330	16
56-55-3	Benzo[a]anthracene	16	J	330	12
218-01-9	Chrysene	330	U	330	24
205-99-2	Benzo[b]fluoranthene	330	U	330	8.8
207-08-9	Benzo[k]fluoranthene	330	U	330	30
50-32-8	Benzo[a]pyrene	330	U	330	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	330	U	330	21
53-70-3	Dibenz(a,h)anthracene	330	U	330	26
191-24-2	Benzo[g,h,i]perylene	330	U	330	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	68		34-120
4165-62-2	Phenol-d5	67		36-120
4165-60-0	Nitrobenzene-d5	66		38-120
321-60-8	2-Fluorobiphenyl	67		41-120
118-79-6	2,4,6-Tribromophenol	71		37-120
1718-51-0	Terphenyl-d14	67		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX 012S Lab Sample ID: 220-14319-2  
 Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/10/2010 13:05  
 Reporting Basis: DRY Date Received: 12/14/2010 10:30  
 % Solids: 81.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	10.8	4.5	0.92	mg/Kg			1	6010B
7439-97-6	Mercury	0.062 <del>2.225</del>	0.062	0.0049	mg/Kg	<i>✓ U</i>		1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 013S Lab Sample ID: 220-14319-5  
 Matrix: Solid Lab File ID: N0332.D  
 Analysis Method: 8260B Date Collected: 12/13/2010 13:45  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 06:25  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 17.6 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.1	U	6.1	0.69
108-88-3	Toluene	<del>6.1</del> <del>0.13</del>	<del>U</del>	6.1	0.090
100-41-4	Ethylbenzene	6.1	U	6.1	0.85
1330-20-7	Xylenes, Total	6.1	U	6.1	0.59

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		59-132
460-00-4	4-Bromofluorobenzene	93		34-124
1868-53-7	Dibromofluoromethane	89		59-123

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 013S Lab Sample ID: 220-14319-5  
 Matrix: Solid Lab File ID: C21229.D  
 Analysis Method: 8270C Date Collected: 12/13/2010 13:45  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.03(g) Date Analyzed: 12/23/2010 08:26  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 17.6 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46539 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	110	J	330	17
91-57-6	2-Methylnaphthalene	29	J	330	9.3
208-96-8	Acenaphthylene	330	U	330	16
83-32-9	Acenaphthene	34	J	330	19
86-73-7	Fluorene	330	U	330	20
85-01-8	Phenanthrene	61	J	330	16
120-12-7	Anthracene	23	J	330	13
206-44-0	Fluoranthene	37	J	330	16
129-00-0	Pyrene	27	J	330	15
56-55-3	Benzo[a]anthracene	16	J	330	12
218-01-9	Chrysene	330	U	330	24
205-99-2	Benzo[b]fluoranthene	10	J	330	8.7
207-08-9	Benzo[k]fluoranthene	330	U	330	29
50-32-8	Benzo[a]pyrene	11	J	330	8.8
193-39-5	Indeno[1,2,3-cd]pyrene	330	<del>U</del> UJ	330	21
53-70-3	Dibenz(a,h)anthracene	330	<del>U</del> UJ	330	26
191-24-2	Benzo[g,h,i]perylene	330	<del>U</del> UJ	330	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	70		34-120
4165-62-2	Phenol-d5	70		36-120
4165-60-0	Nitrobenzene-d5	68		38-120
321-60-8	2-Fluorobiphenyl	66		41-120
118-79-6	2,4,6-Tribromophenol	71		37-120
1718-51-0	Terphenyl-d14	59		32-125

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2/23/11

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX 013S Lab Sample ID: 220-14319-5  
 Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/13/2010 13:45  
 Reporting Basis: DRY Date Received: 12/14/2010 10:30  
 % Solids: 82.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	12.3	4.4	0.90	mg/Kg			1	6010B
7439-97-6	Mercury	0.059 <del>0.029</del>	0.059	0.0047	mg/Kg	U		1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX014S Lab Sample ID: 220-14359-2  
 Matrix: Solid Lab File ID: O1837.D  
 Analysis Method: 8260B Date Collected: 12/14/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 21:06  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 23.2 Level: (low/med) Low  
 Analysis Batch No.: 46414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.5	U	6.5	0.74
108-88-3	Toluene	6.5	U	6.5	0.096
100-41-4	Ethylbenzene	6.5	U	6.5	0.91
1330-20-7	Xylenes, Total	6.5	U	6.5	0.63

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	78		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		59-132
460-00-4	4-Bromofluorobenzene	57		34-124
1868-53-7	Dibromofluoromethane	95		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX014S Lab Sample ID: 220-14359-2  
 Matrix: Solid Lab File ID: A14924.D  
 Analysis Method: 8270C Date Collected: 12/14/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/23/2010 09:10  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 23.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46560 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	230	J	350	18
91-57-6	2-Methylnaphthalene	43	J	350	10
208-96-8	Acenaphthylene	49	J	350	17
83-32-9	Acenaphthene	200	J	350	21
86-73-7	Fluorene	250	J	350	21
85-01-8	Phenanthrene	140	J	350	17
120-12-7	Anthracene	220	J	350	14
206-44-0	Fluoranthene	390		350	17
129-00-0	Pyrene	360		350	16
56-55-3	Benzo[a]anthracene	150	J	350	12
218-01-9	Chrysene	160	J	350	26
205-99-2	Benzo[b]fluoranthene	220	J	350	9.3
207-08-9	Benzo[k]fluoranthene	100	J	350	31
50-32-8	Benzo[a]pyrene	140	J	350	9.5
193-39-5	Indeno[1,2,3-cd]pyrene	110	J	350	23
53-70-3	Dibenz(a,h)anthracene	350	U	350	27
191-24-2	Benzo[g,h,i]perylene	87	J	350	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	67		34-120
4165-62-2	Phenol-d5	67		36-120
4165-60-0	Nitrobenzene-d5	66		38-120
321-60-8	2-Fluorobiphenyl	65		41-120
118-79-6	2,4,6-Tribromophenol	71		37-120
1718-51-0	Terphenyl-d14	73		32-125

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX014S Lab Sample ID: 220-14359-2  
 Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/14/2010 13:05  
 Reporting Basis: DRY Date Received: 12/16/2010 10:30  
 % Solids: 76.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	21.6	4.8	0.98	mg/Kg			1	6010B
7439-97-6	Mercury	0.11	0.061	0.0049	mg/Kg			1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX015S Lab Sample ID: 220-14359-4  
 Matrix: Solid Lab File ID: 01856.D  
 Analysis Method: 8260B Date Collected: 12/15/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/20/2010 17:20  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 24.8 Level: (low/med) Low  
 Analysis Batch No.: 46548 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.7	U	6.7	0.76
108-88-3	Toluene	6.7	U	6.7	0.098
100-41-4	Ethylbenzene	6.7	U	6.7	0.93
1330-20-7	Xylenes, Total	6.7	U	6.7	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		59-132
460-00-4	4-Bromofluorobenzene	63		34-124
1868-53-7	Dibromofluoromethane	92		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14359-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX015S Lab Sample ID: 220-14359-4  
 Matrix: Solid Lab File ID: A14928.D  
 Analysis Method: 8270C Date Collected: 12/15/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/23/2010 11:04  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 24.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46560 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	300	J	360	19
91-57-6	2-Methylnaphthalene	210	J	360	10
208-96-8	Acenaphthylene	46	J	360	17
83-32-9	Acenaphthene	250	J	360	21
86-73-7	Fluorene	190	J	360	21
85-01-8	Phenanthrene	750		360	18
120-12-7	Anthracene	260	J	360	14
206-44-0	Fluoranthene	440		360	18
129-00-0	Pyrene	390		360	17
56-55-3	Benzo[a]anthracene	200	J	360	13
218-01-9	Chrysene	190	J	360	26
205-99-2	Benzo[b]fluoranthene	180	J	360	9.5
207-08-9	Benzo[k]fluoranthene	81	J	360	32
50-32-8	Benzo[a]pyrene	180	J	360	9.7
193-39-5	Indeno[1,2,3-cd]pyrene	75	J	360	23
53-70-3	Dibenz(a,h)anthracene	360	U	360	28
191-24-2	Benzo[g,h,i]perylene	66	J	360	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	60		34-120
4165-62-2	Phenol-d5	60		36-120
4165-60-0	Nitrobenzene-d5	59		38-120
321-60-8	2-Fluorobiphenyl	60		41-120
118-79-6	2,4,6-Tribromophenol	70		37-120
1718-51-0	Terphenyl-d14	73		32-125



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX016S Lab Sample ID: 220-14384-2  
 Matrix: Solid Lab File ID: 01864.D  
 Analysis Method: 8260B Date Collected: 12/16/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/20/2010 20:43  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 29.2 Level: (low/med) Low  
 Analysis Batch No.: 46548 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	7.1	U	7.1	0.81
108-88-3	Toluene	7.1	U	7.1	0.10
100-41-4	Ethylbenzene	7.1	U	7.1	0.99
1330-20-7	Xylenes, Total	7.1	U	7.1	0.69

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	73		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		59-132
460-00-4	4-Bromofluorobenzene	53		34-124
1868-53-7	Dibromofluoromethane	93		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX016S Lab Sample ID: 220-14384-2  
 Matrix: Solid Lab File ID: A14929.D  
 Analysis Method: 8270C Date Collected: 12/16/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/21/2010 13:29  
 Sample wt/vol: 15.01(g) Date Analyzed: 12/23/2010 11:33  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 29.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46560 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	60	J	380	20
91-57-6	2-Methylnaphthalene	1400		380	11
208-96-8	Acenaphthylene	380	U	380	19
83-32-9	Acenaphthene	450		380	23
86-73-7	Fluorene	69	J	380	23
85-01-8	Phenanthrene	380	U	380	19
120-12-7	Anthracene	380	U	380	15
206-44-0	Fluoranthene	380	U	380	19
129-00-0	Pyrene	380	U	380	18
56-55-3	Benzo[a]anthracene	380	U	380	14
218-01-9	Chrysene	380	U	380	28
205-99-2	Benzo[b]fluoranthene	380	U	380	10
207-08-9	Benzo[k]fluoranthene	380	U	380	34
50-32-8	Benzo[a]pyrene	380	U	380	10
193-39-5	Indeno[1,2,3-cd]pyrene	380	U	380	25
53-70-3	Dibenz(a,h)anthracene	380	U	380	30
191-24-2	Benzo[g,h,i]perylene	380	U	380	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	49		34-120
4165-62-2	Phenol-d5	52		36-120
4165-60-0	Nitrobenzene-d5	46		38-120
321-60-8	2-Fluorobiphenyl	53		41-120
118-79-6	2,4,6-Tribromophenol	64		37-120
1718-51-0	Terphenyl-d14	67		32-125

IA-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 1CSSWEX016S Lab Sample ID: 220-14384-2  
 Lab Name: TestAmerica Connecticut Job No.: 220-14384-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/16/2010 13:05  
 Reporting Basis: DRY Date Received: 12/17/2010 10:10  
 % Solids: 70.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	15.2	5.2	1.1	mg/Kg			1	6010B
7439-97-6	Mercury	0.046	0.064	0.0051	mg/Kg	J		1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 017S Lab Sample ID: 220-14410-2  
 Matrix: Solid Lab File ID: 01956.D  
 Analysis Method: 8260B Date Collected: 12/17/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/23/2010 17:52  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18(mm)  
 % Moisture: 24.2 Level: (low/med) Low  
 Analysis Batch No.: 46642 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.6	U	6.6	0.75
108-88-3	Toluene	6.6	U	6.6	0.098
100-41-4	Ethylbenzene	6.6	U	6.6	0.92
1330-20-7	Xylenes, Total	6.6	U	6.6	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		59-132
460-00-4	4-Bromofluorobenzene	66		34-124
1868-53-7	Dibromofluoromethane	92		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 017S Lab Sample ID: 220-14410-2  
 Matrix: Solid Lab File ID: u64348.d  
 Analysis Method: 8270C Date Collected: 12/17/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 14.99(g) Date Analyzed: 12/29/2010 12:59  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 24.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60120 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	440	U	440	64
91-57-6	2-Methylnaphthalene	440	U	440	64
208-96-8	Acenaphthylene	440	U	440	62
83-32-9	Acenaphthene	440	U	440	62
86-73-7	Fluorene	440	U	440	74
85-01-8	Phenanthrene	440	U	440	76
120-12-7	Anthracene	440	U	440	77
206-44-0	Fluoranthene	440	U	440	73
129-00-0	Pyrene	440	U	440	76
56-55-3	Benzo[a]anthracene	44	U	44	8.1
218-01-9	Chrysene	440	U	440	64
205-99-2	Benzo[b]fluoranthene	44	U	44	6.5
207-08-9	Benzo[k]fluoranthene	44	U	44	6.1
50-32-8	Benzo[a]pyrene	44	U	44	5.4
193-39-5	Indeno[1,2,3-cd]pyrene	44	U	44	7.0
53-70-3	Dibenz(a,h)anthracene	44	U	44	5.3
191-24-2	Benzo[g,h,i]perylene	440	U	440	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	101		38-105
4165-62-2	Phenol-d5	74		41-118
1718-51-0	Terphenyl-d14	106		16-151
118-79-6	2,4,6-Tribromophenol	88		10-120
367-12-4	2-Fluorophenol	64		37-125
321-60-8	2-Fluorobiphenyl	94		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 018S Lab Sample ID: 220-14410-4  
 Matrix: Solid Lab File ID: O2029.D  
 Analysis Method: 8260B Date Collected: 12/20/2010 13:05  
 Sample wt/vol: 5(g) Date Analyzed: 12/29/2010 22:59  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18(mm)  
 % Moisture: 26.4 Level: (low/med) Low  
 Analysis Batch No.: 46753 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6.8	U	6.8	0.77
108-88-3	Toluene	6.8	U	6.8	0.10
100-41-4	Ethylbenzene	1.0	J	6.8	0.95
1330-20-7	Xylenes, Total	6.3	J	6.8	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		59-132
460-00-4	4-Bromofluorobenzene	74		34-124
1868-53-7	Dibromofluoromethane	103		59-123

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX 018S Lab Sample ID: 220-14410-4  
 Matrix: Solid Lab File ID: u64349.d  
 Analysis Method: 8270C Date Collected: 12/20/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/29/2010 13:22  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 26.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60120 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	450	U	450	66
91-57-6	2-Methylnaphthalene	450	U	450	66
208-96-8	Acenaphthylene	450	U	450	64
83-32-9	Acenaphthene	450	U	450	64
86-73-7	Fluorene	450	U	450	76
85-01-8	Phenanthrene	450	U	450	78
120-12-7	Anthracene	450	U	450	79
206-44-0	Fluoranthene	450	U	450	75
129-00-0	Pyrene	450	U	450	78
56-55-3	Benzo[a]anthracene	45	U	45	8.3
218-01-9	Chrysene	450	U	450	65
205-99-2	Benzo[b]fluoranthene	45	U	45	6.7
207-08-9	Benzo[k]fluoranthene	45	U	45	6.3
50-32-8	Benzo[a]pyrene	45	U	45	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	45	U	45	7.2
53-70-3	Dibenz(a,h)anthracene	45	U	45	5.4
191-24-2	Benzo[g,h,i]perylene	450	U	450	47

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	100		38-105
4165-62-2	Phenol-d5	73		41-118
1718-51-0	Terphenyl-d14	99		16-151
118-79-6	2,4,6-Tribromophenol	79		10-120
367-12-4	2-Fluorophenol	64		37-125
321-60-8	2-Fluorobiphenyl	93		40-109

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2/20/11



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14454-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX019S Lab Sample ID: 220-14454-2  
 Matrix: Solid Lab File ID: o43738.d  
 Analysis Method: 8260B Date Collected: 12/21/2010 13:05  
 Sample wt/vol: 5.73(g) Date Analyzed: 01/03/2011 23:28  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: 21.5 Level: (low/med) Low  
 Analysis Batch No.: 60475 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.1	U	1.1	0.82
108-88-3	Toluene	1.1	U	1.1	0.33
100-41-4	Ethylbenzene	1.1	U	1.1	0.21
1330-20-7	Xylenes, Total	3.3	U	3.3	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-138
2037-26-5	Toluene-d8 (Surr)	85		66-126
460-00-4	4-Bromofluorobenzene	81		72-132

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-14454-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX019S Lab Sample ID: 220-14454-2  
 Matrix: Solid Lab File ID: u64353.d  
 Analysis Method: 8270C Date Collected: 12/21/2010 13:05  
 Extract. Method: 3541 Date Extracted: 12/28/2010 18:13  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/29/2010 14:56  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ Level: (low/med) Low  
 % Moisture: 21.5 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 60120 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	420	U	420	62
91-57-6	2-Methylnaphthalene	420	U	420	62
208-96-8	Acenaphthylene	420	U	420	60
83-32-9	Acenaphthene	420	U	420	60
86-73-7	Fluorene	420	U	420	71
85-01-8	Phenanthrene	420	U	420	74
120-12-7	Anthracene	420	U	420	74
206-44-0	Fluoranthene	420	U	420	70
129-00-0	Pyrene	420	U	420	73
56-55-3	Benzo[a]anthracene	42	U	42	7.8
218-01-9	Chrysene	420	U	420	61
205-99-2	Benzo[b]fluoranthene	42	U	42	6.3
207-08-9	Benzo[k]fluoranthene	42	U	42	5.9
50-32-8	Benzo[a]pyrene	42	U	42	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	42	U	42	6.7
53-70-3	Dibenz(a,h)anthracene	42	U	42	5.1
191-24-2	Benzo[g,h,i]perylene	420	U	420	44

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		38-105
4165-62-2	Phenol-d5	65		41-118
1718-51-0	Terphenyl-d14	93		16-151
118-79-6	2,4,6-Tribromophenol	73		10-120
367-12-4	2-Fluorophenol	56		37-125
321-60-8	2-Fluorobiphenyl	87		40-109

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX008 Lab Sample ID: 220-14142-1  
 Matrix: Solid Lab File ID: L7273.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:00  
 Sample wt/vol: 5.04(g) Date Analyzed: 12/10/2010 01:47  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 10 (mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 21.2 Level: (low/med) Medium  
 Analysis Batch No.: 46043 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	630	U	630	98
74-87-3	Chloromethane	630	U	630	81
75-01-4	Vinyl chloride	630	U	630	84
74-83-9	Bromomethane	630	U	630	120
75-00-3	Chloroethane	630	U	630	100
75-69-4	Trichlorofluoromethane	630	U	630	81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	630	U	630	87
75-35-4	1,1-Dichloroethene	630	U	630	94
75-15-0	Carbon disulfide	630	U	630	83
75-09-2	Methylene Chloride	630	U	630	100
67-64-1	Acetone	1600	U	1600	300
156-60-5	trans-1,2-Dichloroethene	630	U	630	67
79-20-9	Methyl acetate	630	U	630	87
75-34-3	1,1-Dichloroethane	630	U	630	91
156-59-2	cis-1,2-Dichloroethene	630	U	630	76
67-66-3	Chloroform	630	U	630	78
71-55-6	1,1,1-Trichloroethane	630	U	630	78
56-23-5	Carbon tetrachloride	630	U	630	97
78-93-3	Methyl Ethyl Ketone	630	U	630	140
110-82-7	Cyclohexane	630	U	630	120
71-43-2	Benzene	250	J	630	83
107-06-2	1,2-Dichloroethane	630	U	630	74
79-01-6	Trichloroethene	630	U	630	82
78-87-5	1,2-Dichloropropane	630	U	630	65
75-27-4	Bromodichloromethane	630	U	630	87
10061-01-5	cis-1,3-Dichloropropene	630	U	630	77
10061-02-6	trans-1,3-Dichloropropene	630	U	630	78
79-00-5	1,1,2-Trichloroethane	630	U	630	86
108-88-3	Toluene	480	J	630	91
108-10-1	methyl isobutyl ketone	630	U	630	100
127-18-4	Tetrachloroethene	630	U	630	100
124-48-1	Dibromochloromethane	630	U	630	98
591-78-6	2-Hexanone	630	U	630	160
108-90-7	Chlorobenzene	630	U	630	78
100-41-4	Ethylbenzene	450	J	630	65

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX008 Lab Sample ID: 220-14142-1  
 Matrix: Solid Lab File ID: L7273.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:00  
 Sample wt/vol: 5.04(g) Date Analyzed: 12/10/2010 01:47  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 10(mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 21.2 Level: (low/med) Medium  
 Analysis Batch No.: 46043 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	630	U	630	100
75-25-2	Bromoform	630	U	630	100
98-82-8	Isopropylbenzene	91	J	630	89
79-34-5	1,1,2,2-Tetrachloroethane	630	U	630	83
541-73-1	1,3-Dichlorobenzene	630	U	630	76
106-46-7	1,4-Dichlorobenzene	630	U	630	78
95-50-1	1,2-Dichlorobenzene	630	U	630	76
96-12-8	1,2-Dibromo-3-Chloropropane	630	U	630	73
120-82-1	1,2,4-Trichlorobenzene	630	U	630	110
1330-20-7	Xylenes, Total	1000		630	260
106-93-4	1,2-Dibromoethane	630	U	630	63
1634-04-4	Methyl tert-butyl ether	630	U	630	63
108-87-2	Methylcyclohexane	630	U	630	42

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	82		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		52-119
2037-26-5	Toluene-d8 (Surr)	84		55-121
460-00-4	4-Bromofluorobenzene	84		63-128

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX008 Lab Sample ID: 220-14142-1  
 Matrix: Solid Lab File ID: C20973.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.01(g) Date Analyzed: 12/10/2010 17:09  
 Con. Extract Vol.: 1(mL) Dilution Factor: 4  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 21.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2400		1400	89
95-95-4	2,4,5-Trichlorophenol	8600	U	8600	69
88-06-2	2,4,6-Trichlorophenol	1400	U	1400	38
120-83-2	2,4-Dichlorophenol	1400	U	1400	73
105-67-9	2,4-Dimethylphenol	160	J	1400	66
121-14-2	2,4-Dinitrotoluene	1400	U	1400	110
51-28-5	2,4-Dinitrophenol	8600	U	8600	410
606-20-2	2,6-Dinitrotoluene	1400	U	1400	40
91-58-7	2-Chloronaphthalene	1400	U	1400	58
95-57-8	2-Chlorophenol	1400	U	1400	80
91-57-6	2-Methylnaphthalene	17000		1400	39
95-48-7	2-Methylphenol	160	J	1400	82
88-74-4	2-Nitroaniline	3400	U	3400	83
88-75-5	2-Nitrophenol	1400	U	1400	86
91-94-1	3,3'-Dichlorobenzidine	1700	U	1700	280
99-09-2	3-Nitroaniline	3400	U → UJ	3400	44
534-52-1	4,6-Dinitro-2-methylphenol	8600	U	8600	590
101-55-3	4-Bromophenyl phenyl ether	1400	U	1400	88
59-50-7	4-Chloro-3-methylphenol	1400	U	1400	56
106-47-8	4-Chloroaniline	1400	U	1400	220
7005-72-3	4-Chlorophenyl phenyl ether	1400	U	1400	100
106-44-5	4-Methylphenol	200	J	1400	90
100-01-6	4-Nitroaniline	1400	U	1400	100
100-02-7	4-Nitrophenol	8600	U	8600	100
83-32-9	Acenaphthene	12000		1400	81
208-96-8	Acenaphthylene	2200		1400	67
98-86-2	Acetophenone	1400	U	1400	71
120-12-7	Anthracene	7000		1400	53
1912-24-9	Atrazine	1700	U	1700	87
100-52-7	Benzaldehyde	2700	J	1400	230
56-55-3	Benzo[a]anthracene	5600		1400	49
50-32-8	Benzo[a]pyrene	5400		1400	37
205-99-2	Benzo[b]fluoranthene	5600		1400	37
191-24-2	Benzo[g,h,i]perylene	3900		1400	89

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX008 Lab Sample ID: 220-14142-1  
 Matrix: Solid Lab File ID: C20973.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:00  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.01(g) Date Analyzed: 12/10/2010 17:09  
 Con. Extract Vol.: 1(mL) Dilution Factor: 4  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 21.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	2100		1400	120
111-91-1	Bis(2-chloroethoxy)methane	1400	U	1400	63
111-44-4	Bis(2-chloroethyl)ether	1400	U	1400	71
117-81-7	Bis(2-ethylhexyl) phthalate	150	J	1400	130
85-68-7	Butyl benzyl phthalate	1400	U	1400	77
105-60-2	Caprolactam	1400	U	1400	110
86-74-8	Carbazole	1400		1400	76
218-01-9	Chrysene	5300		1400	100
84-74-2	Di-n-butyl phthalate	1400	U	1400	200
117-84-0	Di-n-octyl phthalate	1400	U	1400	78
53-70-3	Dibenz(a,h)anthracene	2700		1400	110
132-64-9	Dibenzofuran	2700		1400	96
84-66-2	Diethyl phthalate	1400	U	1400	140
131-11-3	Dimethyl phthalate	1400	U	1400	79
206-44-0	Fluoranthene	12000		1400	68
86-73-7	Fluorene	8000		1400	82
118-74-1	Hexachlorobenzene	1400	U	1400	95
87-68-3	Hexachlorobutadiene	1400	U	1400	110
77-47-4	Hexachlorocyclopentadiene	3400	U <span style="color: red;">UJ</span>	3400	640
67-72-1	Hexachloroethane	1400	U	1400	78
193-39-5	Indeno[1,2,3-cd]pyrene	4200		1400	89
78-59-1	Isophorone	1400	U	1400	76
621-64-7	N-Nitrosodi-n-propylamine	1400	U	1400	92
86-30-6	N-Nitrosodiphenylamine	1400	U	1400	77
91-20-3	Naphthalene	26000		1400	71
98-95-3	Nitrobenzene	1400	U	1400	87
87-86-5	Pentachlorophenol	3400	U	3400	830
85-01-8	Phenanthrene	20000		1400	67
108-95-2	Phenol	120	J	1400	91
129-00-0	Pyrene	13000		1400	64
108-60-1	2,2'-oxybis[1-chloropropane]	1400	U	1400	71

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX008 Lab Sample ID: 220-14142-1  
 Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/29/2010 13:00  
 Reporting Basis: DRY Date Received: 11/30/2010 10:25  
 % Solids: 78.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	20.0	4.6	0.95	mg/Kg		J	1	6010B
7439-97-6	Mercury	0.092	0.062	0.0050	mg/Kg			1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEXDP008 Lab Sample ID: 220-14142-2  
 Matrix: Solid Lab File ID: L7274.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:10  
 Sample wt/vol: 5.01(g) Date Analyzed: 12/10/2010 02:11  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 10 (mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 24.9 Level: (low/med) Medium  
 Analysis Batch No.: 46043 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	660	U	660	100
74-87-3	Chloromethane	660	U	660	85
75-01-4	Vinyl chloride	660	U	660	89
74-83-9	Bromomethane	660	U	660	120
75-00-3	Chloroethane	660	U	660	110
75-69-4	Trichlorofluoromethane	660	U	660	85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	660	U	660	92
75-35-4	1,1-Dichloroethene	660	U	660	100
75-15-0	Carbon disulfide	660	U	660	88
75-09-2	Methylene Chloride	<del>660</del> 160	<del>U</del> JB	660	110
67-64-1	Acetone	1700	U	1700	320
156-60-5	trans-1,2-Dichloroethene	660	U	660	70
79-20-9	Methyl acetate	<del>660</del> 350	<del>U</del> JB	660	92
75-34-3	1,1-Dichloroethane	660	U	660	96
156-59-2	cis-1,2-Dichloroethene	660	U	660	80
67-66-3	Chloroform	660	U	660	82
71-55-6	1,1,1-Trichloroethane	660	U	660	82
56-23-5	Carbon tetrachloride	660	U	660	100
78-93-3	Methyl Ethyl Ketone	660	U	660	150
110-82-7	Cyclohexane	660	U	660	130
71-43-2	Benzene	480	J	660	88
107-06-2	1,2-Dichloroethane	660	U	660	78
79-01-6	Trichloroethene	660	U	660	86
78-87-5	1,2-Dichloropropane	660	U	660	69
75-27-4	Bromodichloromethane	660	U	660	92
10061-01-5	cis-1,3-Dichloropropene	660	U	660	81
10061-02-6	trans-1,3-Dichloropropene	660	U	660	82
79-00-5	1,1,2-Trichloroethane	660	U	660	90
108-88-3	Toluene	1300		660	96
108-10-1	methyl isobutyl ketone	660	U	660	110
127-18-4	Tetrachloroethene	660	U	660	110
124-48-1	Dibromochloromethane	660	U	660	100
591-78-6	2-Hexanone	660	U	660	170
108-90-7	Chlorobenzene	660	U	660	82
100-41-4	Ethylbenzene	1300		660	69

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEXDP008 Lab Sample ID: 220-14142-2  
 Matrix: Solid Lab File ID: L7274.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:10  
 Sample wt/vol: 5.01(g) Date Analyzed: 12/10/2010 02:11  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 10(mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 24.9 Level: (low/med) Medium  
 Analysis Batch No.: 46043 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	660	U	660	110
75-25-2	Bromoform	660	U	660	110
98-82-8	Isopropylbenzene	240	J	660	94
79-34-5	1,1,2,2-Tetrachloroethane	660	U	660	88
541-73-1	1,3-Dichlorobenzene	660	U	660	80
106-46-7	1,4-Dichlorobenzene	660	U	660	82
95-50-1	1,2-Dichlorobenzene	660	U	660	80
96-12-8	1,2-Dibromo-3-Chloropropane	660	U	660	77
120-82-1	1,2,4-Trichlorobenzene	660	U	660	120
1330-20-7	Xylenes, Total	2500		660	280
106-93-4	1,2-Dibromoethane	660	U	660	66
1634-04-4	Methyl tert-butyl ether	660	U	660	66
108-87-2	Methylcyclohexane	660	U	660	44

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	84		53-121
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		52-119
2037-26-5	Toluene-d8 (Surr)	84		55-121
460-00-4	4-Bromofluorobenzene	83		63-128

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEXDP008 Lab Sample ID: 220-14142-2  
 Matrix: Solid Lab File ID: C20976.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:10  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/10/2010 18:41  
 Con. Extract Vol.: 1(mL) Dilution Factor: 4  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 24.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1400		1400	93
95-95-4	2,4,5-Trichlorophenol	9000	U	9000	72
88-06-2	2,4,6-Trichlorophenol	1400	U	1400	39
120-83-2	2,4-Dichlorophenol	1400	U	1400	76
105-67-9	2,4-Dimethylphenol	170	J	1400	69
121-14-2	2,4-Dinitrotoluene	1400	U	1400	110
51-28-5	2,4-Dinitrophenol	9000	U	9000	430
606-20-2	2,6-Dinitrotoluene	1400	U	1400	42
91-58-7	2-Chloronaphthalene	1400	U	1400	61
95-57-8	2-Chlorophenol	1400	U	1400	83
91-57-6	2-Methylnaphthalene	11000		1400	41
95-48-7	2-Methylphenol	100	J	1400	86
88-74-4	2-Nitroaniline	3600	U	3600	87
88-75-5	2-Nitrophenol	1400	U	1400	90
91-94-1	3,3'-Dichlorobenzidine	1700	U	1700	290
99-09-2	3-Nitroaniline	3600	U	3600	46
534-52-1	4,6-Dinitro-2-methylphenol	9000	U	9000	620
101-55-3	4-Bromophenyl phenyl ether	1400	U	1400	92
59-50-7	4-Chloro-3-methylphenol	1400	U	1400	59
106-47-8	4-Chloroaniline	1400	U	1400	230
7005-72-3	4-Chlorophenyl phenyl ether	1400	U	1400	110
106-44-5	4-Methylphenol	160	J	1400	94
100-01-6	4-Nitroaniline	1400	U	1400	110
100-02-7	4-Nitrophenol	9000	U	9000	110
83-32-9	Acenaphthene	7700		1400	85
208-96-8	Acenaphthylene	1500		1400	70
98-86-2	Acetophenone	1400	U	1400	74
120-12-7	Anthracene	4900		1400	56
1912-24-9	Atrazine	1700	U	1700	91
100-52-7	Benzaldehyde	1400	J	1400	240
56-55-3	Benzo[a]anthracene	2900		1400	51
50-32-8	Benzo[a]pyrene	2800		1400	39
205-99-2	Benzo[b]fluoranthene	3000		1400	38
191-24-2	Benzo[g,h,i]perylene	3000		1400	93

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEXDP008 Lab Sample ID: 220-14142-2  
 Matrix: Solid Lab File ID: C20976.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:10  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/10/2010 18:41  
 Con. Extract Vol.: 1(mL) Dilution Factor: 4  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 24.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	1200	J	1400	130
111-91-1	Bis(2-chloroethoxy)methane	1400	U	1400	66
111-44-4	Bis(2-chloroethyl)ether	1400	U	1400	74
117-81-7	Bis(2-ethylhexyl) phthalate	1400	U	1400	140
85-68-7	Butyl benzyl phthalate	1400	U	1400	80
105-60-2	Caprolactam	1400	U	1400	110
86-74-8	Carbazole	1600		1400	80
218-01-9	Chrysene	2800		1400	110
84-74-2	Di-n-butyl phthalate	1400	U	1400	210
117-84-0	Di-n-octyl phthalate	1400	U	1400	81
53-70-3	Dibenz(a,h)anthracene	2500		1400	110
132-64-9	Dibenzofuran	2900		1400	100
84-66-2	Diethyl phthalate	1400	U	1400	140
131-11-3	Dimethyl phthalate	1400	U	1400	82
206-44-0	Fluoranthene	8000		1400	71
86-73-7	Fluorene	5000		1400	86
118-74-1	Hexachlorobenzene	1400	U	1400	99
87-68-3	Hexachlorobutadiene	1400	U	1400	110
77-47-4	Hexachlorocyclopentadiene	3600	U	3600	670
67-72-1	Hexachloroethane	1400	U	1400	82
193-39-5	Indeno[1,2,3-cd]pyrene	3100		1400	93
78-59-1	Isophorone	1400	U	1400	79
621-64-7	N-Nitrosodi-n-propylamine	1400	U	1400	96
86-30-6	N-Nitrosodiphenylamine	1400	U	1400	81
91-20-3	Naphthalene	22000		1400	74
98-95-3	Nitrobenzene	1400	U	1400	91
87-86-5	Pentachlorophenol	3600	U	3600	870
85-01-8	Phenanthrene	15000		1400	71
108-95-2	Phenol	1400	U	1400	95
129-00-0	Pyrene	7900		1400	67
108-60-1	2,2'-oxybis[1-chloropropane]	1400	U	1400	74

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEXDP008 Lab Sample ID: 220-14142-2  
 Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/29/2010 13:10  
 Reporting Basis: DRY Date Received: 11/30/2010 10:25  
 % Solids: 75.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	53.6	4.9	1.0	mg/Kg		J	1	6010B
7439-97-6	Mercury	0.11	0.062	0.0050	mg/Kg			1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013 Lab Sample ID: 220-14319-3  
 Matrix: Solid Lab File ID: 01822.D  
 Analysis Method: 8260B Date Collected: 12/13/2010 13:30  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 14:33  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 18.9 Level: (low/med) Low  
 Analysis Batch No.: 46414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.2	U	6.2	0.43
74-87-3	Chloromethane	6.2	U	6.2	0.96
75-01-4	Vinyl chloride	6.2	U	6.2	0.28
74-83-9	Bromomethane	6.2	U	6.2	2.6
75-00-3	Chloroethane	6.2	U	6.2	1.2
75-69-4	Trichlorofluoromethane	6.2	U	6.2	0.18
75-35-4	1,1-Dichloroethene	6.2	U	6.2	0.72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	0.97
67-64-1	Acetone	25	U	25	2.8
75-15-0	Carbon disulfide	6.2	U	6.2	0.51
79-20-9	Methyl acetate	6.2	U	6.2	0.54
75-09-2	Methylene Chloride	25	U	25	1.3
156-60-5	trans-1,2-Dichloroethene	6.2	U	6.2	0.48
1634-04-4	Methyl tert-butyl ether	6.2	U	6.2	0.26
75-34-3	1,1-Dichloroethane	6.2	U	6.2	0.37
156-59-2	cis-1,2-Dichloroethene	6.2	U	6.2	0.46
78-93-3	Methyl Ethyl Ketone	12	U	12	2.0
67-66-3	Chloroform	6.2	U	6.2	0.42
71-55-6	1,1,1-Trichloroethane	6.2	U	6.2	0.65
110-82-7	Cyclohexane	6.2	U	6.2	0.85
56-23-5	Carbon tetrachloride	6.2	U	6.2	1.2
71-43-2	Benzene	4.3	J	6.2	0.70
107-06-2	1,2-Dichloroethane	6.2	U	6.2	0.72
79-01-6	Trichloroethene	6.2	U	6.2	1.0
108-87-2	Methylcyclohexane	6.2	U	6.2	0.41
78-87-5	1,2-Dichloropropane	6.2	U	6.2	0.83
75-27-4	Bromodichloromethane	6.2	U	6.2	0.37
10061-01-5	cis-1,3-Dichloropropene	6.2	U	6.2	0.69
108-10-1	methyl isobutyl ketone	6.2	U	6.2	0.68
108-88-3	Toluene	6.2	U	6.2	0.091
10061-02-6	trans-1,3-Dichloropropene	6.2	U	6.2	0.33
79-00-5	1,1,2-Trichloroethane	6.2	U	6.2	0.46
127-18-4	Tetrachloroethene	6.2	U	6.2	1.0
591-78-6	2-Hexanone	12	U	12	1.5
124-48-1	Dibromochloromethane	6.2	U	6.2	0.43

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013 Lab Sample ID: 220-14319-3  
 Matrix: Solid Lab File ID: O1822.D  
 Analysis Method: 8260B Date Collected: 12/13/2010 13:30  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 14:33  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 18.9 Level: (low/med) Low  
 Analysis Batch No.: 46414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	6.2	U	6.2	0.94
108-90-7	Chlorobenzene	6.2	U	6.2	0.73
100-41-4	Ethylbenzene	6.2	U	6.2	0.86
1330-20-7	Xylenes, Total	6.2	U	6.2	0.60
100-42-5	Styrene	6.2	U	6.2	0.18
75-25-2	Bromoform	6.2	U	6.2	0.75
98-82-8	Isopropylbenzene	6.2	U	6.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	6.2	0.64
541-73-1	1,3-Dichlorobenzene	6.2	U	6.2	0.26
106-46-7	1,4-Dichlorobenzene	6.2	U	6.2	0.83
95-50-1	1,2-Dichlorobenzene	6.2	U	6.2	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	12	U	12	5.6
120-82-1	1,2,4-Trichlorobenzene	6.2	U	6.2	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		59-132
460-00-4	4-Bromofluorobenzene	83		34-124
1868-53-7	Dibromofluoromethane	112		59-123
2037-26-5	Toluene-d8 (Surr)	90		50-118

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013 Lab Sample ID: 220-14319-3  
 Matrix: Solid Lab File ID: C21216.D  
 Analysis Method: 8270C Date Collected: 12/13/2010 13:30  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.04(g) Date Analyzed: 12/22/2010 11:06  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 18.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	330	U	330	22
95-95-4	2,4,5-Trichlorophenol	2100	U	2100	17
88-06-2	2,4,6-Trichlorophenol	330	U	330	9.1
120-83-2	2,4-Dichlorophenol	330	U	330	18
105-67-9	2,4-Dimethylphenol	330	U	330	16
121-14-2	2,4-Dinitrotoluene	330	U	330	26
51-28-5	2,4-Dinitrophenol	2100	U	2100	100
606-20-2	2,6-Dinitrotoluene	330	U	330	9.7
91-58-7	2-Chloronaphthalene	330	U	330	14
95-57-8	2-Chlorophenol	330	U	330	19
91-57-6	2-Methylnaphthalene	14	J	330	9.5
95-48-7	2-Methylphenol	330	U	330	20
88-74-4	2-Nitroaniline	820	U	820	20
88-75-5	2-Nitrophenol	330	U	330	21
91-94-1	3,3'-Dichlorobenzidine	410	U	410	68
99-09-2	3-Nitroaniline	820	U	820	11
534-52-1	4,6-Dinitro-2-methylphenol	2100	U	2100	140
101-55-3	4-Bromophenyl phenyl ether	330	U	330	21
59-50-7	4-Chloro-3-methylphenol	330	U	330	14
106-47-8	4-Chloroaniline	330	U	330	54
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	24
106-44-5	4-Methylphenol	330	U	330	22
100-01-6	4-Nitroaniline	330	U	330	25
100-02-7	4-Nitrophenol	2100	U	2100	25
83-32-9	Acenaphthene	39	J	330	20
208-96-8	Acenaphthylene	330	U	330	16
98-86-2	Acetophenone	330	U	330	17
120-12-7	Anthracene	330	U	330	13
1912-24-9	Atrazine	410	U	410	21
100-52-7	Benzaldehyde	330	U	330	55
56-55-3	Benzo[a]anthracene	330	U	330	12
50-32-8	Benzo[a]pyrene	330	U	330	9.0
205-99-2	Benzo[b]fluoranthene	330	U	330	8.9
191-24-2	Benzo[g,h,i]perylene	330	U	330	22

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013 Lab Sample ID: 220-14319-3  
 Matrix: Solid Lab File ID: C21216.D  
 Analysis Method: 8270C Date Collected: 12/13/2010 13:30  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.04(g) Date Analyzed: 12/22/2010 11:06  
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 18.9 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	330	U	330	30
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	15
111-44-4	Bis(2-chloroethyl)ether	330	U	330	17
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	32
85-68-7	Butyl benzyl phthalate	330	U	330	19
105-60-2	Caprolactam	330	U	330	26
86-74-8	Carbazole	330	U	330	18
218-01-9	Chrysene	330	U	330	24
84-74-2	Di-n-butyl phthalate	330	U	330	48
117-84-0	Di-n-octyl phthalate	330	U	330	19
53-70-3	Dibenz(a,h)anthracene	330	U	330	26
132-64-9	Dibenzofuran	330	U	330	23
84-66-2	Diethyl phthalate	330	U	330	33
131-11-3	Dimethyl phthalate	330	U	330	19
206-44-0	Fluoranthene	330	U	330	16
86-73-7	Fluorene	330	U	330	20
118-74-1	Hexachlorobenzene	330	U	330	23
87-68-3	Hexachlorobutadiene	330	U	330	26
77-47-4	Hexachlorocyclopentadiene	820	U	820	160
67-72-1	Hexachloroethane	330	U	330	19
193-39-5	Indeno[1,2,3-cd]pyrene	330	U	330	22
78-59-1	Isophorone	330	U	330	18
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	22
86-30-6	N-Nitrosodiphenylamine	330	U	330	19
91-20-3	Naphthalene	56	J	330	17
98-95-3	Nitrobenzene	330	U	330	21
87-86-5	Pentachlorophenol	820	U	820	200
85-01-8	Phenanthrene	330	U	330	16
108-95-2	Phenol	330	U	330	22
129-00-0	Pyrene	330	U	330	16
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	17

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX 013 Lab Sample ID: 220-14319-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/13/2010 13:30  
 Reporting Basis: DRY Date Received: 12/14/2010 10:30  
 % Solids: 81.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	9.6	4.5	0.93	mg/Kg			1	6010B
7439-97-6	Mercury	0.061 <del>0.020</del>	0.061	0.0049	mg/Kg	J	U	1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013DUP Lab Sample ID: 220-14319-4  
 Matrix: Solid Lab File ID: N0331.D  
 Analysis Method: 8260B Date Collected: 12/13/2010 13:35  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 05:57  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 18.4 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.1	U ✓ UJ	6.1	0.43
74-87-3	Chloromethane	6.1	U	6.1	0.96
75-01-4	Vinyl chloride	6.1	U	6.1	0.28
74-83-9	Bromomethane	6.1	U ✓ UJ	6.1	2.5
75-00-3	Chloroethane	6.1	U	6.1	1.2
75-69-4	Trichlorofluoromethane	6.1	U ✓ UJ	6.1	0.18
75-35-4	1,1-Dichloroethene	6.1	U	6.1	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	0.97
67-64-1	Acetone	25	12 JB ✓ U	25	2.7
75-15-0	Carbon disulfide	6.1	U ✓ UJ	6.1	0.50
79-20-9	Methyl acetate	6.1	U ✓ R	6.1	0.54
75-09-2	Methylene Chloride	25	4 JB ✓ UJ	25	1.3
156-60-5	trans-1,2-Dichloroethene	6.1	U	6.1	0.48
1634-04-4	Methyl tert-butyl ether	6.1	U	6.1	0.26
75-34-3	1,1-Dichloroethane	6.1	U	6.1	0.37
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	0.45
78-93-3	Methyl Ethyl Ketone	12	U	12	1.9
67-66-3	Chloroform	6.1	U	6.1	0.42
71-55-6	1,1,1-Trichloroethane	6.1	U ✓ UJ	6.1	0.65
110-82-7	Cyclohexane	6.1	U ✓ UJ	6.1	0.85
56-23-5	Carbon tetrachloride	6.1	U ✓ UJ	6.1	1.2
71-43-2	Benzene	4.6	J	6.1	0.70
107-06-2	1,2-Dichloroethane	6.1	U	6.1	0.71
79-01-6	Trichloroethene	6.1	U	6.1	0.99
108-87-2	Methylcyclohexane	6.1	U ✓ UJ	6.1	0.40
78-87-5	1,2-Dichloropropane	6.1	U	6.1	0.82
75-27-4	Bromodichloromethane	6.1	U	6.1	0.37
10061-01-5	cis-1,3-Dichloropropene	6.1	U	6.1	0.69
108-10-1	methyl isobutyl ketone	6.1	U	6.1	0.67
108-88-3	Toluene	6.1	0.25 JB ✓ U	6.1	0.091
10061-02-6	trans-1,3-Dichloropropene	6.1	U	6.1	0.33
79-00-5	1,1,2-Trichloroethane	6.1	U	6.1	0.45
127-18-4	Tetrachloroethene	6.1	U	6.1	0.99
591-78-6	2-Hexanone	12	U	12	1.5
124-48-1	Dibromochloromethane	6.1	U ✓ UJ	6.1	0.43

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*2/23/11*

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013DUP Lab Sample ID: 220-14319-4  
 Matrix: Solid Lab File ID: N0331.D  
 Analysis Method: 8260B Date Collected: 12/13/2010 13:35  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 05:57  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 18.4 Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	6.1	U	6.1	0.93
108-90-7	Chlorobenzene	6.1	U	6.1	0.72
100-41-4	Ethylbenzene	6.1	U	6.1	0.86
1330-20-7	Xylenes, Total	0.88	J	6.1	0.60
100-42-5	Styrene	6.1	U	6.1	0.18
75-25-2	Bromoform	6.1	U	6.1	0.75
98-82-8	Isopropylbenzene	0.28	J	6.1	0.23
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	6.1	0.64
541-73-1	1,3-Dichlorobenzene	6.1	U	6.1	0.26
106-46-7	1,4-Dichlorobenzene	6.1	U	6.1	0.82
95-50-1	1,2-Dichlorobenzene	6.1	U	6.1	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	12	U	12	5.5
120-82-1	1,2,4-Trichlorobenzene	6.1	U	6.1	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		59-132
460-00-4	4-Bromofluorobenzene	89		34-124
1868-53-7	Dibromofluoromethane	86		59-123
2037-26-5	Toluene-d8 (Surr)	95		50-118

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013DUP Lab Sample ID: 220-14319-4  
 Matrix: Solid Lab File ID: C21217.D  
 Analysis Method: 8270C Date Collected: 12/13/2010 13:35  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/22/2010 11:37  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 18.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	330	U	330	21
95-95-4	2,4,5-Trichlorophenol	2100	U	2100	17
88-06-2	2,4,6-Trichlorophenol	330	U	330	9.0
120-83-2	2,4-Dichlorophenol	330	U	330	18
105-67-9	2,4-Dimethylphenol	330	U	330	16
121-14-2	2,4-Dinitrotoluene	330	U	330	26
51-28-5	2,4-Dinitrophenol	2100	U	2100	99
606-20-2	2,6-Dinitrotoluene	330	U	330	9.6
91-58-7	2-Chloronaphthalene	330	U	330	14
95-57-8	2-Chlorophenol	330	U	330	19
91-57-6	2-Methylnaphthalene	12	J	330	9.4
95-48-7	2-Methylphenol	330	U	330	20
88-74-4	2-Nitroaniline	820	U	820	20
88-75-5	2-Nitrophenol	330	U	330	21
91-94-1	3,3'-Dichlorobenzidine	400	U	400	68
99-09-2	3-Nitroaniline	820	U	820	10
534-52-1	4,6-Dinitro-2-methylphenol	2100	U	2100	140
101-55-3	4-Bromophenyl phenyl ether	330	U	330	21
59-50-7	4-Chloro-3-methylphenol	330	U	330	14
106-47-8	4-Chloroaniline	330	U	330	54
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	24
106-44-5	4-Methylphenol	330	U	330	22
100-01-6	4-Nitroaniline	330	U	330	25
100-02-7	4-Nitrophenol	2100	U	2100	25
83-32-9	Acenaphthene	26	J	330	20
208-96-8	Acenaphthylene	330	U	330	16
98-86-2	Acetophenone	330	U	330	17
120-12-7	Anthracene	330	U	330	13
1912-24-9	Atrazine	400	U	400	21
100-52-7	Benzaldehyde	330	U	330	55
56-55-3	Benzo[a]anthracene	330	U	330	12
50-32-8	Benzo[a]pyrene	330	U	330	8.9
205-99-2	Benzo[b]fluoranthene	330	U	330	8.8
191-24-2	Benzo[g,h,i]perylene	330	U	330	21

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSBMEX 013DUP Lab Sample ID: 220-14319-4  
 Matrix: Solid Lab File ID: C21217.D  
 Analysis Method: 8270C Date Collected: 12/13/2010 13:35  
 Extract. Method: 3541 Date Extracted: 12/20/2010 10:35  
 Sample wt/vol: 15.06(g) Date Analyzed: 12/22/2010 11:37  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 18.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46499 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	330	U	330	30
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	15
111-44-4	Bis(2-chloroethyl) ether	330	U	330	17
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	32
85-68-7	Butyl benzyl phthalate	330	U	330	18
105-60-2	Caprolactam	330	U	330	26
86-74-8	Carbazole	330	U	330	18
218-01-9	Chrysene	330	U	330	24
84-74-2	Di-n-butyl phthalate	330	U	330	48
117-84-0	Di-n-octyl phthalate	330	U	330	19
53-70-3	Dibenz(a,h)anthracene	330	U	330	26
132-64-9	Dibenzofuran	330	U	330	23
84-66-2	Diethyl phthalate	330	U	330	33
131-11-3	Dimethyl phthalate	330	U	330	19
206-44-0	Fluoranthene	330	U	330	16
86-73-7	Fluorene	330	U	330	20
118-74-1	Hexachlorobenzene	330	U	330	23
87-68-3	Hexachlorobutadiene	330	U	330	25
77-47-4	Hexachlorocyclopentadiene	820	U	820	150
67-72-1	Hexachloroethane	330	U	330	19
193-39-5	Indeno[1,2,3-cd]pyrene	330	U	330	21
78-59-1	Isophorone	330	U	330	18
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	22
86-30-6	N-Nitrosodiphenylamine	330	U	330	19
91-20-3	Naphthalene	62	J	330	17
98-95-3	Nitrobenzene	330	U	330	21
87-86-5	Pentachlorophenol	820	U	820	200
85-01-8	Phenanthrene	330	U	330	16
108-95-2	Phenol	330	U	330	22
129-00-0	Pyrene	330	U	330	15
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	17

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSBMEX 013DUP Lab Sample ID: 220-14319-4  
 Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 12/13/2010 13:35  
 Reporting Basis: DRY Date Received: 12/14/2010 10:30  
 % Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	8.5	4.5	0.93	mg/Kg			1	6010B
7439-97-6	Mercury	<del>0.015</del> 0.060	0.060	0.0048	mg/Kg	<i>✓</i>		1	7471A

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX008S Lab Sample ID: 220-14142-3  
 Matrix: Solid Lab File ID: N0229.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:15  
 Sample wt/vol: 5(g) Date Analyzed: 12/06/2010 20:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.5 Level: (low/med) Low  
 Analysis Batch No.: 46060 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.5	U	6.5	0.45
74-87-3	Chloromethane	6.5	U	6.5	1.0
75-01-4	Vinyl chloride	6.5	U	6.5	0.30
74-83-9	Bromomethane	6.5	U	6.5	2.7
75-00-3	Chloroethane	6.5	U	6.5	1.3
75-69-4	Trichlorofluoromethane	6.5	U	6.5	0.19
75-35-4	1,1-Dichloroethene	6.5	U	6.5	0.75
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.5	U	6.5	1.0
67-64-1	Acetone	160	B	26	2.9
75-15-0	Carbon disulfide	6.5	U	6.5	0.53
79-20-9	Methyl acetate	6.5	U	6.5	0.57
75-09-2	Methylene Chloride	26	10	26	1.4
156-60-5	trans-1,2-Dichloroethene	6.5	U	6.5	0.50
1634-04-4	Methyl tert-butyl ether	6.5	U	6.5	0.27
75-34-3	1,1-Dichloroethane	6.5	U	6.5	0.39
156-59-2	cis-1,2-Dichloroethene	6.5	U	6.5	0.48
78-93-3	Methyl Ethyl Ketone	25		13	2.1
67-66-3	Chloroform	6.5	U	6.5	0.44
71-55-6	1,1,1-Trichloroethane	6.5	U	6.5	0.68
110-82-7	Cyclohexane	6.5	U	6.5	0.89
56-23-5	Carbon tetrachloride	6.5	U	6.5	1.2
71-43-2	Benzene	6.5	U	6.5	0.74
107-06-2	1,2-Dichloroethane	6.5	U	6.5	0.75
79-01-6	Trichloroethene	6.5	U	6.5	1.0
108-87-2	Methylcyclohexane	6.5	U	6.5	0.43
78-87-5	1,2-Dichloropropane	6.5	U	6.5	0.86
75-27-4	Bromodichloromethane	6.5	U	6.5	0.39
10061-01-5	cis-1,3-Dichloropropene	6.5	U	6.5	0.72
108-10-1	methyl isobutyl ketone	6.5	U	6.5	0.71
108-88-3	Toluene	6.5	U	6.5	0.095
10061-02-6	trans-1,3-Dichloropropene	6.5	U	6.5	0.35
79-00-5	1,1,2-Trichloroethane	6.5	U	6.5	0.48
127-18-4	Tetrachloroethene	6.5	U	6.5	1.0
591-78-6	2-Hexanone	13	U	13	1.5
124-48-1	Dibromochloromethane	6.5	U	6.5	0.45

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FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX008S Lab Sample ID: 220-14142-3  
 Matrix: Solid Lab File ID: N0229.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:15  
 Sample wt/vol: 5(g) Date Analyzed: 12/06/2010 20:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 22.5 Level: (low/med) Low  
 Analysis Batch No.: 46060 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	6.5	U	6.5	0.98
108-90-7	Chlorobenzene	6.5	<del>U</del> <b>UJ</b>	6.5	0.76
100-41-4	Ethylbenzene	1.6	J	6.5	0.90
1330-20-7	Xylenes, Total	4.1	J	6.5	0.63
100-42-5	Styrene	6.5	U	6.5	0.19
75-25-2	Bromoform	6.5	<del>U</del> <b>UJ</b>	6.5	0.79
98-82-8	Isopropylbenzene	0.59	J	6.5	0.25
79-34-5	1,1,2,2-Tetrachloroethane	6.5	<del>U</del> <b>UJ</b>	6.5	0.67
541-73-1	1,3-Dichlorobenzene	6.5	U	6.5	0.27
106-46-7	1,4-Dichlorobenzene	6.5	U	6.5	0.86
95-50-1	1,2-Dichlorobenzene	6.5	U	6.5	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	13	U	13	5.8
120-82-1	1,2,4-Trichlorobenzene	6.5	U	6.5	0.97

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		59-132
460-00-4	4-Bromofluorobenzene	81		34-124
1868-53-7	Dibromofluoromethane	77		59-123
2037-26-5	Toluene-d8 (Surr)	88		50-118

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX008S Lab Sample ID: 220-14142-3  
 Matrix: Solid Lab File ID: Z18608.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:15  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/13/2010 18:34  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.5 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46145 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	350	U	350	23
95-95-4	2,4,5-Trichlorophenol	2200	U	2200	18
88-06-2	2,4,6-Trichlorophenol	350	U	350	9.5
120-83-2	2,4-Dichlorophenol	350	U	350	19
105-67-9	2,4-Dimethylphenol	350	U	350	17
121-14-2	2,4-Dinitrotoluene	350	U	350	28
51-28-5	2,4-Dinitrophenol	2200	U	2200	100
606-20-2	2,6-Dinitrotoluene	350	U	350	10
91-58-7	2-Chloronaphthalene	350	U	350	15
95-57-8	2-Chlorophenol	350	U	350	20
91-57-6	2-Methylnaphthalene	55	J	350	9.9
95-48-7	2-Methylphenol	350	U	350	21
88-74-4	2-Nitroaniline	860	U	860	21
88-75-5	2-Nitrophenol	350	U	350	22
91-94-1	3,3'-Dichlorobenzidine	430	U	430	72
99-09-2	3-Nitroaniline	860	U	860	11
534-52-1	4,6-Dinitro-2-methylphenol	2200	U	2200	150
101-55-3	4-Bromophenyl phenyl ether	350	U	350	22
59-50-7	4-Chloro-3-methylphenol	350	U	350	14
106-47-8	4-Chloroaniline	350	U	350	57
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	26
106-44-5	4-Methylphenol	350	U	350	23
100-01-6	4-Nitroaniline	350	U	350	27
100-02-7	4-Nitrophenol	2200	U	2200	26
83-32-9	Acenaphthene	79	J	350	21
208-96-8	Acenaphthylene	350	U	350	17
98-86-2	Acetophenone	350	U	350	18
120-12-7	Anthracene	17	J	350	14
1912-24-9	Atrazine	430	U	430	22
100-52-7	Benzaldehyde	77	J	350	58
56-55-3	Benzo[a]anthracene	28	J	350	12
50-32-8	Benzo[a]pyrene	350	U	350	9.4
205-99-2	Benzo[b]fluoranthene	350	U	350	9.3
191-24-2	Benzo[g,h,i]perylene	350	U	350	23

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FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEX008S Lab Sample ID: 220-14142-3  
 Matrix: Solid Lab File ID: Z18608.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:15  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/13/2010 18:34  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 22.5 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46145 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	350	U	350	31
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	16
111-44-4	Bis(2-chloroethyl)ether	350	U	350	18
117-81-7	Bis(2-ethylhexyl) phthalate	350	U	350	34
85-68-7	Butyl benzyl phthalate	350	U	350	19
105-60-2	Caprolactam	350	U	350	27
86-74-8	Carbazole	350	U	350	19
218-01-9	Chrysene	31	J	350	26
84-74-2	Di-n-butyl phthalate	350	U	350	51
117-84-0	Di-n-octyl phthalate	350	U	350	20
53-70-3	Dibenz(a,h)anthracene	350	U	350	27
132-64-9	Dibenzofuran	350	U	350	25
84-66-2	Diethyl phthalate	350	U	350	35
131-11-3	Dimethyl phthalate	350	U	350	20
206-44-0	Fluoranthene	49	J	350	17
86-73-7	Fluorene	22	J	350	21
118-74-1	Hexachlorobenzene	350	U	350	24
87-68-3	Hexachlorobutadiene	350	U	350	27
77-47-4	Hexachlorocyclopentadiene	860	<del>U</del> UJ	860	160
67-72-1	Hexachloroethane	350	<del>U</del> UJ	350	20
193-39-5	Indeno[1,2,3-cd]pyrene	350	U	350	23
78-59-1	Isophorone	350	U	350	19
621-64-7	N-Nitrosodi-n-propylamine	350	U	350	23
86-30-6	N-Nitrosodiphenylamine	350	U	350	20
91-20-3	Naphthalene	150	J	350	18
98-95-3	Nitrobenzene	350	U	350	22
87-86-5	Pentachlorophenol	860	U	860	210
85-01-8	Phenanthrene	59	J	350	17
108-95-2	Phenol	350	U	350	23
129-00-0	Pyrene	52	J	350	16
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	18

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1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: ICSSWEX008S Lab Sample ID: 220-14142-3  
 Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG ID.: \_\_\_\_\_  
 Matrix: Solid Date Sampled: 11/29/2010 13:15  
 Reporting Basis: DRY Date Received: 11/30/2010 10:25  
 % Solids: 77.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	16.6	4.8	0.99	mg/Kg			1	6010B
7439-97-6	Mercury	0.073	0.060	0.0048	mg/Kg			1	7471A

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEXDP008S Lab Sample ID: 220-14142-4  
 Matrix: Solid Lab File ID: 01495.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:20  
 Sample wt/vol: 5(g) Date Analyzed: 12/03/2010 01:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 25.0 Level: (low/med) Low  
 Analysis Batch No.: 45797 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.7	U	6.7	0.47
74-87-3	Chloromethane	6.7	U	6.7	1.0
75-01-4	Vinyl chloride	6.7	<del>U</del> UJ	6.7	0.31
74-83-9	Bromomethane	6.7	<del>U</del> UJ	6.7	2.8
75-00-3	Chloroethane	6.7	U	6.7	1.3
75-69-4	Trichlorofluoromethane	6.7	U	6.7	0.20
75-35-4	1,1-Dichloroethene	6.7	U	6.7	0.77
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	6.7	1.1
67-64-1	Acetone	150	J	27	3.0
75-15-0	Carbon disulfide	6.7	U	6.7	0.55
79-20-9	Methyl acetate	6.7	<del>U</del> UJ	6.7	0.59
75-09-2	Methylene Chloride	27	<del>U</del> U	27	1.5
156-60-5	trans-1,2-Dichloroethene	6.7	U	6.7	0.52
1634-04-4	Methyl tert-butyl ether	6.7	U	6.7	0.28
75-34-3	1,1-Dichloroethane	6.7	U	6.7	0.40
156-59-2	cis-1,2-Dichloroethene	6.7	U	6.7	0.49
78-93-3	Methyl Ethyl Ketone	13	<del>U</del> UJ	13	2.1
67-66-3	Chloroform	6.7	U	6.7	0.45
71-55-6	1,1,1-Trichloroethane	6.7	<del>U</del> UJ	6.7	0.71
110-82-7	Cyclohexane	6.7	U	6.7	0.92
56-23-5	Carbon tetrachloride	6.7	<del>U</del> UJ	6.7	1.3
71-43-2	Benzene	6.7	U	6.7	0.76
107-06-2	1,2-Dichloroethane	6.7	<del>U</del> UJ	6.7	0.77
79-01-6	Trichloroethene	6.7	U	6.7	1.1
108-87-2	Methylcyclohexane	6.7	U	6.7	0.44
78-87-5	1,2-Dichloropropane	6.7	U	6.7	0.89
75-27-4	Bromodichloromethane	6.7	<del>U</del> UJ	6.7	0.40
10061-01-5	cis-1,3-Dichloropropene	6.7	U	6.7	0.75
108-10-1	methyl isobutyl ketone	6.7	U	6.7	0.73
108-88-3	Toluene	6.7	<del>U</del> U	6.7	0.099
10061-02-6	trans-1,3-Dichloropropene	6.7	U	6.7	0.36
79-00-5	1,1,2-Trichloroethane	6.7	U	6.7	0.49
127-18-4	Tetrachloroethene	6.7	U	6.7	1.1
591-78-6	2-Hexanone	13	U	13	1.6
124-48-1	Dibromochloromethane	6.7	<del>U</del> UJ	6.7	0.47

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEXDP008S Lab Sample ID: 220-14142-4  
 Matrix: Solid Lab File ID: 01495.D  
 Analysis Method: 8260B Date Collected: 11/29/2010 13:20  
 Sample wt/vol: 5(g) Date Analyzed: 12/03/2010 01:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: 25.0 Level: (low/med) Low  
 Analysis Batch No.: 45797 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	6.7	U	6.7	1.0
108-90-7	Chlorobenzene	6.7	U	6.7	0.79
100-41-4	Ethylbenzene	6.7	U	6.7	0.93
1330-20-7	Xylenes, Total	7.6	U	6.7	0.65
100-42-5	Styrene	6.7	U	6.7	0.20
75-25-2	Bromoform	6.7	U	6.7	0.81
98-82-8	Isopropylbenzene	6.7	U	6.7	0.25
79-34-5	1,1,2,2-Tetrachloroethane	6.7	U	6.7	0.69
541-73-1	1,3-Dichlorobenzene	6.7	U	6.7	0.28
106-46-7	1,4-Dichlorobenzene	6.7	U	6.7	0.89
95-50-1	1,2-Dichlorobenzene	6.7	U	6.7	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	13	U	13	6.0
120-82-1	1,2,4-Trichlorobenzene	6.7	U	6.7	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		59-132
460-00-4	4-Bromofluorobenzene	59		34-124
1868-53-7	Dibromofluoromethane	93		59-123
2037-26-5	Toluene-d8 (Surr)	79		50-118

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2/15/11

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEXDP008S Lab Sample ID: 220-14142-4  
 Matrix: Solid Lab File ID: C20972.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:20  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/10/2010 16:39  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 25.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	27	J	360	23
95-95-4	2,4,5-Trichlorophenol	2300	U	2300	18
88-06-2	2,4,6-Trichlorophenol	360	U	360	9.9
120-83-2	2,4-Dichlorophenol	360	U	360	19
105-67-9	2,4-Dimethylphenol	360	U	360	17
121-14-2	2,4-Dinitrotoluene	360	<del>U</del> UJ	360	29
51-28-5	2,4-Dinitrophenol	2300	<del>U</del> UJ	2300	110
606-20-2	2,6-Dinitrotoluene	360	<del>U</del> UJ	360	11
91-58-7	2-Chloronaphthalene	360	U	360	15
95-57-8	2-Chlorophenol	360	U	360	21
91-57-6	2-Methylnaphthalene	100	J	360	10
95-48-7	2-Methylphenol	360	U	360	22
88-74-4	2-Nitroaniline	890	U	890	22
88-75-5	2-Nitrophenol	360	<del>U</del> UJ	360	23
91-94-1	3,3'-Dichlorobenzidine	440	<del>U</del> UJ	440	74
99-09-2	3-Nitroaniline	890	<del>U</del> UJ	890	11
534-52-1	4,6-Dinitro-2-methylphenol	2300	<del>U</del> UJ	2300	150
101-55-3	4-Bromophenyl phenyl ether	360	U	360	23
59-50-7	4-Chloro-3-methylphenol	360	U	360	15
106-47-8	4-Chloroaniline	360	U	360	59
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	27
106-44-5	4-Methylphenol	360	U	360	24
100-01-6	4-Nitroaniline	360	<del>U</del> UJ	360	28
100-02-7	4-Nitrophenol	2300	U	2300	27
83-32-9	Acenaphthene	150	J	360	21
208-96-8	Acenaphthylene	26	J	360	18
98-86-2	Acetophenone	360	U	360	19
120-12-7	Anthracene	48	J	360	14
1912-24-9	Atrazine	440	U	440	23
100-52-7	Benzaldehyde	71	J	360	60
56-55-3	Benzo[a]anthracene	92	J	360	13
50-32-8	Benzo[a]pyrene	94	J	360	9.7
205-99-2	Benzo[b]fluoranthene	120	J	360	9.6
191-24-2	Benzo[g,h,i]perylene	570		360	23

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ICSSWEXDP008S Lab Sample ID: 220-14142-4  
 Matrix: Solid Lab File ID: C20972.D  
 Analysis Method: 8270C Date Collected: 11/29/2010 13:20  
 Extract. Method: 3541 Date Extracted: 12/08/2010 11:07  
 Sample wt/vol: 15.00(g) Date Analyzed: 12/10/2010 16:39  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 25.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 46056 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	48	J	360	32
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	17
111-44-4	Bis(2-chloroethyl)ether	360	U	360	19
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	35
85-68-7	Butyl benzyl phthalate	360	U	360	20
105-60-2	Caprolactam	360	U	360	28
86-74-8	Carbazole	21	J	360	20
218-01-9	Chrysene	86	J	360	27
84-74-2	Di-n-butyl phthalate	360	U	360	52
117-84-0	Di-n-octyl phthalate	360	U	360	20
53-70-3	Dibenz(a,h)anthracene	590		360	28
132-64-9	Dibenzofuran	52	J	360	25
84-66-2	Diethyl phthalate	360	U	360	36
131-11-3	Dimethyl phthalate	360	U	360	21
206-44-0	Fluoranthene	170	J	360	18
86-73-7	Fluorene	78	J	360	22
118-74-1	Hexachlorobenzene	360	U	360	25
87-68-3	Hexachlorobutadiene	360	U	360	28
77-47-4	Hexachlorocyclopentadiene	890	U	890	170
67-72-1	Hexachloroethane	360	U	360	21
193-39-5	Indeno[1,2,3-cd]pyrene	580		360	23
78-59-1	Isophorone	360	U	360	20
621-64-7	N-Nitrosodi-n-propylamine	360	U	360	24
86-30-6	N-Nitrosodiphenylamine	360	U	360	20
91-20-3	Naphthalene	360		360	19
98-95-3	Nitrobenzene	360	U	360	23
87-86-5	Pentachlorophenol	890	U	890	220
85-01-8	Phenanthrene	200	J	360	18
108-95-2	Phenol	360	U	360	24
129-00-0	Pyrene	140	J	360	17
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	19

UJ  
UJ

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2/23/11



**APPENDIX B**  
**SUPPORT DOCUMENTATION**

220-13859

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

TestAmerica Connecticut  
128 Long Hill Cross Road  
Shelton, CT 06484  
Phone (203) 929-8140 Fax (203) 929-8142

Client Contact: **MYSEL**  
Company: **URS CORP**  
Address: **77 Goodell St**  
City, State, Zip: **Buffalo NY 14203**  
Phone: **716 361-9678**

Field Sampler: **Shawn Conway**  
Mobile/Field Number: **716 361-9678**  
E-Mail:

TAT Required (business days): **1**  
Deliverable Type (Report/EED):

Lab PIM/Contact: **JACK Trudell**  
Lab Job Number (Lab Use Only):

COC Number: **16050**  
Page **1** of **1**  
Carrier Tracking  
Notes:

Sample Disposal:  Return to Client  
 Disposal by Lab  
 Archive for   Months  
(A fee may be assessed if samples are retained for longer than 1 month)

Passed Rad Screen (Lab Use Only):  
 Yes  No

Cooler Temperatures (Lab Use Only):

Analysis (Attach list if more space is needed)

State Regulatory QC Criteria Requirements:

No. of Containers/Preservatives

Unpreserved

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

Other

MS/MSD (Yes or No)

Matrix: Aq-Aqueous, S-Solid, W-Waste/Oil, O-Other

Collection Time (24-Hour Clock)

Collection Date

Field Sample Identification

(Containers for each sample may be combined on one line)

TA #

Relinquished by:

Relinquished by:

Relinquished by:

Comments:

Date/Time:

Date/Time:

Date/Time:

Received by:

Received by:

Received by:

Date/Time:

Date/Time:

Date/Time:

Company

Company

Company

Company

Company

Company

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

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

TAL-0015 (0609)

**Job Narrative**  
**220-13859-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following samples were diluted due to the abundance of target and non-target analytes: ICSBMEX001 (220-13859-1), ICSSWEX001N (220-13859-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The following sample(s) was diluted due to abundance of target analytes: ICSBMEX001 (220-13859-1), ICSSWEX001N (220-13859-2). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

**TestAmerica Connecticut**  
 128 Long Hill Cross Road  
 Shelton, CT 06484  
 Phone (203) 929-8140 Fax (203) 929-8142

## Chain of Custody Record

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: **NTSC6**      Field Sampler: **SHAM Conway**      Lab PMI/Contact: **JACKIE Trandell**      COC Number: **160511**

Company: **Gas Corp**      Mobile/Field Number: **116-361-4618**      Lab Job Number (Lab Use Only):      Page **1** of **1**

Address: **77 Goodcell St**      E-Mail:      Deliverable Type (Report/EDD):      Carrier Tracking

City, State, Zip: **Buffalo NY 14223**      PO #:      Sample Disposal:  Return to Client  
 Disposal by Lab  
 Archive for      Months  
 (A fee may be assessed if samples are retained for longer than 1 month)

Phone:      WO #:      Cooler Temperatures (Lab Use Only):      Notes: **+9660 CM 11/18/10**

Email:      Project #:      State Regulatory QC Criteria Requirements:      Analysis (Attach list if more space is needed)

Project Name/Site Location (State): **ITHACA COUNT ST**      SOW#:      State Regulatory QC Criteria Requirements:

TA #	Field Sample Identification <small>(Containers for each sample may be combined on one line)</small>	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq-Aqueous, S-Solid, W-Waste/Oil, O-Other	MS/MSD (Yes or No)	No. of Containers/Preservatives						Comments	
						Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH		Other
	ICSSWEX 0015	11-4-10	3:00pm	S		✓						82700 PMS Lead Mincan	Cat B 12
	ICBNEX 002	11-5-10	3:00pm	S		✓						82700 PMS Lead Mincan	Cat B 12
	ICSSWEX 0025	11-5-10	3:05pm	S		✓						82700 PMS Lead Mincan	Cat B 12
	ICSSWEX 002N	11-5-10	3:10pm	S		✓						82700 PMS Lead Mincan	Cat B 12

Relinquished by: *[Signature]*      Date/Time: **11-5-10 4:05**      Received by: **Fedex**      Date/Time:      Company

Relinquished by: **Fedex**      Date/Time: **11/6/10**      Received by: **Robert 216-2#40**      Date/Time: **9:55**      Company

Relinquished by:      Date/Time:      Received by:      Date/Time:      Company

Comments: **C/S Signature**

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

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

**Job Narrative**  
**220-13952-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of target and non-target analytes: ICSSWEX002N (220-13952-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 55351 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

TestAmerica Connecticut  
 128 Long Hill Cross Road  
 Shelton, CT 06484  
 Phone (203) 929-8140 Fax (203) 929-8142

### Chain of Custody Record

TestAmerica  
 THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: NY566  
 Company: WAS CORP  
 Address: 77 Goodhill  
 City, State, Zip: Buffalo NY 14223  
 Phone: 716-361-4678  
 E-Mail:  
 PO #:  
 NO #:  
 Project #:  
 SSOW#:

Field Sampler: Shawn Connor  
 Mobile/Field Number: 716-361-4678  
 Lab PIM/Contact: JACKIE TA-DILL  
 Lab Job Number (Lab Use Only): 13957  
 Carrier Tracking Notes:  
 Passed Rad Screen (Lab Use Only):  
 Yes  No  
 Cooler Temperatures (Lab Use Only):  
 Analysis (Attach list if more space is needed)

TAT Required (business days):  
 Deliverable Type (Report/EDD):  
 Sample Disposal:  Return to Client  
 Dispose by Lab  
 Archive for \_\_\_ Months  
 (A fee may be assessed if samples are retained for longer than 1 month)

State Regulatory QC Criteria Requirements:

ID	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/DL, O=Other	MS/MSD (Yes or No)	Unpreserved	No. of Containers/Preservatives					Other	Comments	
							H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH			
0646	IOSBMEX 003	11-8-10	12:30	S	NO	<input checked="" type="checkbox"/>								CAT A
0648	IOSSWEX 003 S		13:00	S	NO	<input checked="" type="checkbox"/>								CAT A
	IOSSWEX 003 N		13:15	S	NO	<input checked="" type="checkbox"/>								CAT B

Relinquished by: [Signature] Date/Time: 11-8-10 4:00 Company: [Signature]  
 Relinquished by: [Signature] Date/Time: 11/9/10 10:20 Company: [Signature]  
 Relinquished by: [Signature] Date/Time: [Signature] Company: [Signature]

Comments: 3.1°C 10#40 840485 CSH

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy  
 TAL-0015 (06/09)

**Job Narrative**  
**220-13957-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The matrix spike duplicate (MSD) recoveries for Ethylbenzene and Xylene in batch 56050 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The laboratory control sample (LCS) for batch 55824 exceeded control limits for the following analytes: Acenaphthene.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 55824 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 220-13957-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: p7174.d

Lab ID: LCS 460-55824/2-A

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3330	2720	82	53-94	
2-Methylnaphthalene	3330	2910	87	51-98	
Acenaphthylene	3330	2730	82	51-103	
Acenaphthene	3330	3380	102	16-100	*
Fluorene	3330	2810	85	51-108	
Phenanthrene	3330	2750	83	48-108	
Anthracene	3330	2730	82	50-107	
Fluoranthene	3330	2730	82	49-108	
Pyrene	3330	2950	89	49-116	
Benzo[a]anthracene	3330	2830	85	46-112	
Chrysene	3330	2910	87	45-114	
Benzo[b]fluoranthene	3330	3060	92	33-96	
Benzo[k]fluoranthene	3330	2920	88	35-115	
Benzo[a]pyrene	3330	2760	83	36-89	
Indeno[1,2,3-cd]pyrene	3330	2950	89	43-109	
Dibenz(a,h)anthracene	3330	2830	85	43-107	
Benzo[g,h,i]perylene	3330	3010	91	43-106	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: p7176.d  
 Lab ID: 220-13957-3 MS Client ID: ICSSWEX003N MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Naphthalene	4100	870	4580	90	53-94	
2-Methylnaphthalene	4100	140 J	3680	86	51-98	
Acenaphthylene	4100	2800	7150	107	51-103	*
Acenaphthene	4100	2300	6780	108	46-100	*
Fluorene	4100	7100	12700	139	51-108	*
Phenanthrene	4100	14000	18100	109	48-108	*
Anthracene	4100	5600	10200	114	50-107	*
Fluoranthene	4100	9600	13900	105	49-108	
Pyrene	4100	8100	12700	113	49-116	
Benzo[a]anthracene	4100	4900	8650	90	46-112	
Chrysene	4100	4300	8340	97	45-114	
Benzo[b]fluoranthene	4100	4500	8350	95	33-96	
Benzo[k]fluoranthene	4100	2100	5780	91	35-115	
Benzo[a]pyrene	4100	4000	7400	84	36-89	
Indeno[1,2,3-cd]pyrene	4100	1900	5790	95	43-109	
Dibenz(a,h)anthracene	4100	410	4310	95	43-107	
Benzo[g,h,i]perylene	4100	1700	6350	113	43-106	*

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 220-13957-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: p7177.d  
 Lab ID: 220-13957-3 MSD Client ID: ICSSWEX003N MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	4110	4600	91	0	30	53-94	
2-Methylnaphthalene	4110	3690	86	0	30	51-98	
Acenaphthylene	4110	7320	111	2 ✓	30	51-103	*
Acenaphthene	4110	6860	110	1 ✓	30	46-100	*
Fluorene	4110	13500	158	6 ✓	30	51-108	*
Phenanthrene	4110	18400	117	2 ✓	30	48-108	*
Anthracene	4110	10200	113	0 ✓	30	50-107	*
Fluoranthene	4110	14600	123	5 ✓	30	49-108	*
Pyrene	4110	12200	101	4	30	49-116	
Benzo[a]anthracene	4110	8700	91	1	30	46-112	
Chrysene	4110	8390	99	1	30	45-114	
Benzo[b]fluoranthene	4110	8230	92	1	30	33-96	
Benzo[k]fluoranthene	4110	5820	91	1	30	35-115	
Benzo[a]pyrene	4110	7430	84	0	30	36-89	
Indeno[1,2,3-cd]pyrene	4110	6150	103	6	30	43-109	
Dibenz(a,h)anthracene	4110	4420	98	3 ✓	30	43-107	
Benzo[g,h,i]perylene	4110	6440	116	1 ✓	30	43-106	*

# Column to be used to flag recovery and RPD values

# Organic Prep Worksheet

Batch Number: 460-55824  
 Method: 3541  
 Analyst: Masongo, Charles

Date Open: Nov 16 2010 12:00PM  
 Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Position on the SoxTherm	OP_Acid_SU_00012	OP_BN_SU_00014	OP4BNACompnd_0004
MB-460-55824/1		3541, 8270C		15.01 g	1 mL	103	500 uL	500 uL	500 uL
LCS-460-55824/2		3541, 8270C		15.02 g	1 mL	104	500 uL	500 uL	500 uL
220-13957-A-3-MS	ICSSWEX003N	3541, 8270C	T	15.04 g	1 mL	105	500 uL	500 uL	500 uL
220-13957-A-3-MSD	ICSSWEX003N	3541, 8270C	T	15.03 g	1 mL	106	500 uL	500 uL	500 uL
220-13957-A-1	ICSBMEX003	3541, 8270C	T	15.00 g	1 mL	107	500 uL	500 uL	500 uL
220-13957-A-2	ICSSWEX003S	3541, 8270C	T	15.02 g	1 mL	108	500 uL	500 uL	500 uL
220-13957-A-3	ICSSWEX003N	3541, 8270C	T	14.99 g	1 mL	109	500 uL	500 uL	500 uL
460-19604-A-1			T	15.02 g	1 mL	110	500 uL	500 uL	500 uL
460-19604-A-2			T	15.05 g	1 mL	111	500 uL	500 uL	500 uL
460-19604-A-3			T	15.00 g	1 mL	112	500 uL	500 uL	500 uL
460-19604-A-4			T	15.01 g	1 mL	113	500 uL	500 uL	500 uL
460-19604-A-5			T	15.05 g	1 mL	114	500 uL	500 uL	500 uL
460-19604-A-6			T	15.00 g	1 mL	1	500 uL	500 uL	500 uL
460-19604-A-7			T	14.98 g	1 mL	2	500 uL	500 uL	500 uL
460-19604-A-8			T	15.02 g	1 mL	3	500 uL	500 uL	500 uL
460-19604-A-9			T	15.04 g	1 mL	4	500 uL	500 uL	500 uL
460-19604-A-10			T	15.02 g	1 mL	5	500 uL	500 uL	500 uL
460-19604-A-11			T	15.01 g	1 mL	6	500 uL	500 uL	500 uL
460-19604-A-12			T	15.03 g	1 mL	67	500 uL	500 uL	500 uL
460-19604-A-13			T	15.02 g	1 mL	68	500 uL	500 uL	500 uL
460-19604-A-14			T	15.00 g	1 mL	69	500 uL	500 uL	500 uL
460-19604-A-15			T	15.04 g	1 mL	70	500 uL	500 uL	500 uL
460-19604-A-16			T	14.99 g	1 mL	71	500 uL	500 uL	500 uL
460-19604-A-17			T	15.00 g	1 mL	72	500 uL	500 uL	500 uL



**Job Narrative**  
**220-13992-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The matrix spike duplicate (MSD) recoveries for Benzene, Ethylbenzene and Xylene in batch 55582 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target and non-target analyte(s): ICSBMEX 004 (220-13992-1), ICSSWEX 004N (220-13992-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The following sample(s) was diluted due to abundance of target analytes: ICSBMEX 004 (220-13992-1). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LB3 460-55558/1-A  
 Matrix: Solid Lab File ID: o42381.d  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 11/16/2010 22:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 55909 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.0	U	1.0	0.74
108-88-3	Toluene	1.0	U	1.0	0.30
100-41-4	Ethylbenzene	0.413	J	1.0	0.19
1330-20-7	Xylenes, Total	3.0	U	3.0	0.79

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-138
2037-26-5	Toluene-d8 (Surr)	96		66-126
460-00-4	4-Bromofluorobenzene	111		72-132

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 220-13992-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: o42380.d Lab Sample ID: MB 460-55909/4  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: VOAMS12 Date Analyzed: 11/16/2010 22:16  
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-55909/2	o42377.d	11/16/2010 20:55
	LCSD 460-55909/3	o42378.d	11/16/2010 21:22
	LB3 460-55558/1-A	o42381.d	11/16/2010 22:43
ICSSWEX 004S	220-13992-3	o42392.d	11/17/2010 03:39



**Job Narrative**  
**220-14039-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: ICSBMEX005 (220-14039-1).  
Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

14071

# CHAIN OF CUSTODY RECORD

PROJECT NO. 1176093.0000  
 ITHACA COUNT ST  
 SAMPERS (PRINT/SIGNATURE) SHAW CONWAY

DELIVERY SERVICE: FedEx  
 AIRBILL NO.: 871450162619

LOCATION IDENTIFIER	DATE	TIME	COMPI/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
Ithaca NY	11-18-10	1:00	Gr	Icsbr Ex 007 S	S	3
1	11-18-10	1:15	Gr	Icsbr Ex 007 S	S	3

## TESTS

PAH's  
 82700  
 82608  
 82609  
 Arsenic  
 Lead  
 Mercury

## BOTTLE TYPE AND PRESERVATIVE

REMARKS  
 CAT B  
 1

# URS

LAB Test America CT Inc  
 COOLER 1 of 1  
 PAGE 1 of 1

SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
S	6.6	6.6	
S	6.6	6.6	

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WL - LEACHATE	WS - SOIL GAS	WG - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WG - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TE# - TRIP BLANK	SB# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	NR# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE	GS - SOIL	DC - DRILL CUTTINGS	GC - GROUNDWATER	GC - DRILL CUTTINGS	GC - DRILLING WATER	GC - SURFACE WATER	GC - WATER FIELD QC	GC - HAZARDOUS LIQUID WASTE	GC - FLOATING/FREE PRODUCT ON GW TABLE

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<i>[Signature]</i>	11-18-10	1:00	<i>[Signature]</i>	11/18/10	9:45	
<i>[Signature]</i>			<i>[Signature]</i>			

Distribution: Original accompanies shipment, copy to coordinator field files  
 PASSED RAD SCREEN  
 5.42 μS/gal

**Job Narrative**  
**220-14071-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: ICSBMEX 007 (220-14071-1).  
Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

271191

# CHAIN OF CUSTODY RECORD

PROJECT NO. 117693, 00000  
 ITHACA COUNT ST  
 SAMPERS (PRINT/SIGNATURE) Shawn Conway  
 SHAWN CONWAY

LAB TestAmerica CtLaa  
 COOLER 1 of 1  
 PAGE 1 of 1

TESTS

Lead	Mercury
8270C	8270C
8270C	8270C
8270C	8270C

DELIVERY SERVICE: FedEx  
 AIRBILL NO.: 871450162696

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
ICS	11-24-10	1:00	6N	ICSD08EX008	S	3
		1:08	6N	ICSD08EXMS008	S	3
		1:10		ICSD08EX008	S	3
		1:15		ICSD08EX008	S	3
		1:20		ICSD08EX008	S	3
		1:25		ICSD08EXMS008	S	3

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMIS ONLY)
CAT B	S	66	66	66
	S	66	66	66
	S	66	66	66
	S	66	66	66
	S	66	66	66
	S	66	66	66

MATRIX CODES	SAMPLE TYPE CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<i>Shawn Conway</i>	11/24	9:00	<i>Robert...</i>	11/30/10	10:25	5.3% gun3
						passed rad screen

Distribution: Original accompanies shipment, copy to coordinator field files

**Job Narrative**  
**220-14142-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample ICSBMEX008 (220-14142-1 MS), ICSBMEX008 (220-14142-1 MSD) were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria; therefore re-extraction was not necessary.

Method(s) 8270C: Internal standard (ISTD) response for the following sample was outside control limits: ICSSWEX008S (220-14142-3 MS), ICSSWEX008S (220-14142-3 MSD). The sample was re-analyzed with improved results; while the ms/msd failed. The unspiked sample was actually analyzed 3 times. The first 2 times the internal standard response failed, but the 3rd time it passed. Since there was difficulty with IS's in both the unspiked sample and MS/MSD sample matrix is suspected as the cause.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46043/1 Calibration Date: 12/09/2010 17:36  
 Instrument ID: MSL Calib Start Date: 12/09/2010 10:52  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 12/09/2010 13:40  
 Lab File ID: L7255.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromobenzene	Ave	0.6183	0.6140		49.6	50.0	-0.7	30.0
N-Propylbenzene	Ave	2.413	2.480		51.4	50.0	2.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5765	0.5297	0.3000	45.9	50.0	-8.1	30.0
4-Ethyltoluene	Ave	1.891	1.948		51.5	50.0	3.0	30.0
2-Chlorotoluene	Ave	1.788	1.835		51.3	50.0	2.6	30.0
1,2,3-Trichloropropane	Ave	0.1432	0.1338		46.7	50.0	-6.6	30.0
1,3,5-Trimethylbenzene	Ave	1.513	1.540		50.9	50.0	1.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1319	0.1293		98.0	100	-2.0	30.0
4-Chlorotoluene	Ave	1.699	1.742		51.3	50.0	2.5	30.0
tert-Butylbenzene	Ave	1.060	1.081		51.0	50.0	2.0	30.0
1,2,4-Trimethylbenzene	Ave	1.570	1.608		51.2	50.0	2.4	30.0
sec-Butylbenzene	Ave	1.715	1.759		51.3	50.0	2.6	30.0
4-Isopropyltoluene	Ave	1.278	1.267		49.6	50.0	-0.9	30.0
1,3-Dichlorobenzene	Ave	0.8853	0.9041		51.1	50.0	2.1	30.0
1,4-Dichlorobenzene	Ave	0.9184	0.9317		50.7	50.0	1.5	30.0
p-Diethylbenzene	Ave	0.2979	0.2920		49.0	50.0	-2.0	30.0
Benzyl chloride	Ave	0.1741	0.1653		47.5	50.0	-5.0	30.0
n-Butylbenzene	Qua	1.796	1.777		58.5	50.0	16.9	30.0
1,2-Dichlorobenzene	Ave	0.8129	0.7993		49.2	50.0	-1.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	0.5374	0.4993		46.5	50.0	-7.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0747	0.0589		39.4	50.0	-21.2	30.0
Nitrobenzene	Ave	0.0297	0.0153	✓	258	500	-48.5*	30.0
Hexachlorobutadiene	Ave	0.1997	0.1560		39.1	50.0	-21.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4793	0.3870		40.4	50.0	-19.3	30.0
Naphthalene	Ave	1.067	0.6635		31.1	50.0	-37.8*	30.0
1,2,3-Trichlorobenzene	Ave	0.4303	0.2870		33.4	50.0	-33.3*	30.0
Dibromofluoromethane	Ave	0.3300	0.2611		19.8	25.0	-20.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2964	0.2325		19.6	25.0	-21.6	30.0
Toluene-d8 (Surr)	Ave	1.074	0.8924		20.8	25.0	-16.9	30.0
4-Bromofluorobenzene	Ave	0.7632	0.6930		22.7	25.0	-9.2	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14142-1

SDG No.: \_\_\_\_\_

Instrument ID: MSLStart Date: 12/09/2010 17:11Analysis Batch Number: 46043End Date: 12/10/2010 03:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-46043/17		12/09/2010 17:11	1	LB644.D	RTX-VMS 0.18 (mm)
CCVIS 220-46043/1		12/09/2010 17:36	1	L7255.D	RTX-VMS 0.18 (mm)
LCS 220-46043/2		12/09/2010 18:14	1	L7256.D	RTX-VMS 0.18 (mm)
MB 220-46043/3		12/09/2010 19:40	1	L7259.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/09/2010 21:20	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/09/2010 22:09	10		RTX-VMS 0.18 (mm)
ZZZZZ		12/09/2010 22:33	10		RTX-VMS 0.18 (mm)
ZZZZZ		12/09/2010 23:22	10		RTX-VMS 0.18 (mm)
ZZZZZ		12/09/2010 23:46	2.5		RTX-VMS 0.18 (mm)
ZZZZZ		12/10/2010 00:10	25		RTX-VMS 0.18 (mm)
ZZZZZ		12/10/2010 00:34	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/10/2010 00:58	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/10/2010 01:23	1		RTX-VMS 0.18 (mm)
220-14142-1	ICSBMEX008	12/10/2010 01:47	1	L7273.D	RTX-VMS 0.18 (mm)
220-14142-2	ICSBMEXDP008	12/10/2010 02:11	1	L7274.D	RTX-VMS 0.18 (mm)
220-14142-1 MS	ICSBMEX008 MS	12/10/2010 02:36	1	L7275.D	RTX-VMS 0.18 (mm)
220-14142-1 MSD	ICSBMEX008 MSD	12/10/2010 03:00	1	L7276.D	RTX-VMS 0.18 (mm)

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

Analy Batch No.: 44974

SDG No.:

Instrument ID: MSN

GC Column: RTX-VMS ID: 0.18(mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 11/02/2010 10:46

Calibration End Date: 11/02/2010 10:46

Calibration ID: 8700

ANALYTE	RRF						CURVE TYPE			COEFFICIENT			#	MIN RRF	RRSD #	MAX RRSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	B	M1	M2										
3-Chloro-1-propene	0.5679 0.5349	0.5944	0.5458	0.5608	0.4483	Ave		0.5420					9.3	15.0					
Methylene Chloride	++++ 0.3489	0.5286	0.3951	0.3856	0.3086	Ave		0.3933					21.1 *	15.0					
Acetone	++++ 0.2078	0.2864	0.2328	0.2283	0.2050	Ave		0.2320					14.1	15.0					
Methyl acetate	0.6214 0.5433	0.5747	0.5311	0.5487	0.4976	Ave		0.5528					7.6	15.0					
trans-1,2-Dichloroethene	0.3792 0.3203	0.3743	0.3336	0.3409	0.2758	Ave		0.3374					11.3	15.0					
Isopropyl alcohol	0.0747 0.0800	0.0941	0.0859	0.0859	0.0719	Ave		0.0821					10.0	15.0					
Methyl tert-butyl ether	1.1773 1.1043	1.1504	1.1385	1.1522	0.9867	Ave		1.1182					6.1	15.0					
tert-Butyl alcohol	0.0669 0.0720	0.0691	0.0709	0.0748	0.0723	Ave		0.0710					3.9	15.0					
Acetonitrile	0.1018 0.1048	0.1073	0.0997	0.1009	0.0942	Ave		0.1014					4.5	15.0					
Isopropyl ether	1.2587 1.3057	1.3866	1.2924	1.3664	1.1201	Ave		1.2883					7.4	15.0					
2-Chloro-1,3-butadiene	0.3472 0.2875	0.3157	0.3007	0.3082	0.2471	Ave		0.3011					11.0	15.0					
1,1-Dichloroethane	0.6973 0.6279	0.7015	0.6467	0.6805	0.5387	Ave		0.6488					0.1000	15.0					
Acrylonitrile	0.1511 0.1635	0.1522	0.1631	0.1689	0.1521	Ave		0.1585					4.8	15.0					
Tert-butyl ethyl ether	1.2390 1.2835	1.3279	1.2957	1.3637	1.1059	Ave		1.2693					7.1	15.0					
Vinyl acetate	2.6817 2.5665	2.7430	2.6512	2.7746	2.3741	Ave		2.6319					5.5	15.0					
cis-1,2-Dichloroethene	0.4097 0.3657	0.3729	0.3815	0.3966	0.3122	Ave		0.3731					9.1	15.0					
2,2-Dichloropropane	0.5957 0.5202	0.6547	0.6163	0.6050	0.4641	Ave		0.5760					12.2	15.0					
Bromochloromethane	0.2386 0.2376	0.2463	0.2434	0.2508	0.2045	Ave		0.2369					7.0	15.0					
Cyclohexane	0.4703 0.4436	0.4814	0.4563	0.4647	0.3789	Ave		0.4492					8.2	15.0					
Chloroform	0.7973 0.6449	0.7771	0.7318	0.7111	0.5648	Ave		0.7045					12.3	30.0					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46060/1 Calibration Date: 12/06/2010 11:30  
 Instrument ID: MSN Calib Start Date: 11/02/2010 10:46  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/02/2010 10:46  
 Lab File ID: N0211.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1784	0.3029		84.9	50.0	69.8*	30.0
Chloromethane	Ave	0.4369	0.4515	0.1000	51.7	50.0	3.3	30.0
Vinyl chloride	Ave	0.3911	0.3718		47.5	50.0	-4.9	20.0
Bromomethane	Ave	0.3759	0.3293		43.8	50.0	-12.4	30.0
Chloroethane	Ave	0.2349	0.2225		47.4	50.0	-5.3	30.0
Trichlorofluoromethane	Ave	0.7500	0.7680		51.2	50.0	2.4	30.0
Dichlorofluoromethane	Ave	0.7180	0.7858		54.7	50.0	9.4	30.0
Ethanol	Ave	0.0254	0.0261 ✓		512	500	2.5	30.0
Ethyl ether	Ave	0.2239	0.2607		58.2	50.0	16.4	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.1034	0.0224		10.9	50.0	-78.3* ✓	30.0
1,1-Dichloroethene	Ave	0.2629	0.2968		56.5	50.0	12.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3651	0.4157		56.9	50.0	13.9	30.0
Carbon disulfide	Ave	0.9687	1.012		52.2	50.0	4.5	30.0
Iodomethane	Ave	0.4117	0.3455		42.0	50.0	-16.1	30.0
Acrolein	Ave	0.1838	0.1219		166	250	-33.7* ✓	30.0
3-Chloro-1-propene	Ave	0.5420	0.6315		58.3	50.0	16.5	30.0
Methylene Chloride	Ave	0.3933	0.3822		48.6	50.0	-2.8	30.0
Acetone	Ave	0.2320	0.2960		63.8	50.0	27.6	30.0
Methyl acetate	Ave	0.5528	0.8203		74.2	50.0	48.4*	30.0
trans-1,2-Dichloroethene	Ave	0.3374	0.3759		55.7	50.0	11.4	30.0
Isopropyl alcohol	Ave	0.0821	0.0961		58.5	50.0	17.1	30.0
Methyl tert-butyl ether	Ave	1.118	1.250		55.9	50.0	11.7	30.0
tert-Butyl alcohol	Ave	0.0710	0.0710		250	250	0.0	30.0
Acetonitrile	Ave	0.1014	0.0934		460	499	-7.9	30.0
Isopropyl ether	Ave	1.288	1.520		59.0	50.0	18.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3011	0.3246		53.9	50.0	7.8	30.0
1,1-Dichloroethane	Ave	0.6488	0.7403	0.1000	57.1	50.0	14.1	30.0
Acrylonitrile	Ave	0.1585	0.1888		119	100	19.1	30.0
Tert-butyl ethyl ether	Ave	1.269	1.448		57.0	50.0	14.1	30.0
Vinyl acetate	Ave	2.632	1.815		34.5	50.0	-31.0* ✓	30.0
cis-1,2-Dichloroethene	Ave	0.3731	0.4169		55.9	50.0	11.8	30.0
2,2-Dichloropropane	Ave	0.5760	0.6749		58.6	50.0	17.2	30.0
Bromochloromethane	Ave	0.2369	0.2589		54.6	50.0	9.3	30.0
Cyclohexane	Ave	0.4492	0.5202		57.9	50.0	15.8	30.0
Chloroform	Ave	0.7045	0.8069		57.3	50.0	14.5	20.0
Ethyl acetate	Lin	0.4775	0.5022		106	100	5.8	30.0
Methyl acrylate	Ave	0.3896	0.4260		54.7	50.0	9.3	30.0
Carbon tetrachloride	Ave	0.5734	0.6342		55.3	50.0	10.6	30.0
Tetrahydrofuran	Ave	0.1798	0.1729		96.2	100	-3.8	30.0
1,1,1-Trichloroethane	Ave	0.6153	0.6907		56.1	50.0	12.3	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14142-1

SDG No.: \_\_\_\_\_

Instrument ID: MSNStart Date: 12/06/2010 11:00Analysis Batch Number: 46060End Date: 12/06/2010 22:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-46060/6		12/06/2010 11:00	1	NB744.D	RTX-VMS 0.18 (mm)
CCVIS 220-46060/1		12/06/2010 11:30	1	N0211.D	RTX-VMS 0.18 (mm)
LCS 220-46060/2		12/06/2010 12:18	1	N0212.D	RTX-VMS 0.18 (mm)
MB 220-46060/3		12/06/2010 13:48	1	N0215.D	RTX-VMS 0.18 (mm)
220-14142-3	ICSSWEX008S	12/06/2010 20:30	1	N0229.D	RTX-VMS 0.18 (mm)
220-14142-3 MS	ICSSWEX008S MS	12/06/2010 20:55	1	N0230.D	RTX-VMS 0.18 (mm)
220-14142-3 MSD	ICSSWEX008S MSD	12/06/2010 21:21	1	N0231.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/06/2010 22:12	5		RTX-VMS 0.18 (mm)
ZZZZZ		12/06/2010 22:37	5		RTX-VMS 0.18 (mm)

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-45797/1 Calibration Date: 12/02/2010 21:11  
 Instrument ID: MSO Calib Start Date: 11/03/2010 11:09  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/03/2010 13:16  
 Lab File ID: O1486.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.6670	0.7334		55.0	50.0	10.0	30.0
Chloromethane	Ave	1.023	1.086	0.1000	53.1	50.0	6.2	30.0
Vinyl chloride	Ave	0.8167	0.8478		51.9	50.0	3.8	20.0
Bromomethane	Lin	0.4433	0.4676		64.3	50.0	28.6	30.0
Chloroethane	Qua	0.3906	0.4518		50.0	50.0	-0.0	30.0
Trichlorofluoromethane	Ave	0.7881	0.8312		52.7	50.0	5.5	30.0
Dichlorofluoromethane	Ave	1.145	1.205		52.6	50.0	5.2	30.0
Ethyl ether	Lin	0.4808	0.4453		51.9	50.0	3.7	30.0
Ethanol	Lin	0.0468	0.0422		534	500	6.8	30.0
Isopropyl alcohol	Lin	0.4610	0.4985		62.9	50.0	25.9	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Lin	0.1719	0.1822		51.8	50.0	3.5	30.0
1,1-Dichloroethene	Ave	0.5018	0.5435		54.2	50.0	8.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6034	0.6468		53.6	50.0	7.2	30.0
Carbon disulfide	Ave	2.310	2.364		51.2	50.0	2.3	30.0
Iodomethane	Lin	0.9073	0.9829		49.4	50.0	-1.2	30.0
Acrolein	Ave	0.3298	0.2877		218	250	-12.8	30.0
3-Chloro-1-propene	Ave	1.279	1.295		50.6	50.0	1.3	30.0
Methylene Chloride	Ave	0.7147	0.7585		53.1	50.0	6.1	30.0
Acetone	Ave	0.3868	0.4190		54.2	50.0	8.3	30.0
Methyl acetate	Ave	1.005	1.398		69.6	50.0	39.1*	30.0
trans-1,2-Dichloroethene	Ave	0.6128	0.6658		54.3	50.0	8.6	30.0
Methyl tert-butyl ether	Ave	1.780	1.914		53.8	50.0	7.6	30.0
tert-Butyl alcohol	Ave	0.1068	0.1298		304	250	21.6	30.0
Acetonitrile	Ave	0.2627	0.2546		484	499	-3.1	30.0
Isopropyl ether	Ave	2.803	2.856		50.9	50.0	1.9	30.0
2-Chloro-1,3-butadiene	Ave	0.5953	0.6093		51.2	50.0	2.3	30.0
1,1-Dichloroethane	Ave	1.221	1.314	0.1000	53.8	50.0	7.6	30.0
Acrylonitrile	Ave	0.3004	0.3652		122	100	21.6	30.0
Tert-butyl ethyl ether	Ave	2.224	2.362		53.1	50.0	6.2	30.0
Vinyl acetate	Ave	4.517	3.555		39.3	50.0	-21.3	30.0
cis-1,2-Dichloroethene	Ave	0.6802	0.7242		53.2	50.0	6.5	30.0
2,2-Dichloropropane	Ave	0.8915	0.9564		53.6	50.0	7.3	30.0
Heptane	Ave	1.672	1.251		37.4	50.0	-25.2	30.0
1-Chlorobutane	Ave	1.305	1.325		50.8	50.0	1.6	30.0
Bromochloromethane	Ave	0.3343	0.3748		56.1	50.0	12.1	30.0
Methyl acrylate	Lin	0.5282	0.4694		48.7	50.0	-2.5	30.0
Cyclohexane	Ave	0.9484	1.027		54.2	50.0	8.3	30.0
Chloroform	Ave	1.154	1.186		51.3	50.0	2.7	20.0
Ethyl acetate	Ave	0.8370	0.9090		109	100	8.6	30.0
Carbon tetrachloride	Ave	0.7152	0.7545		52.7	50.0	5.5	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-45797/1 Calibration Date: 12/02/2010 21:11  
 Instrument ID: MSO Calib Start Date: 11/03/2010 11:09  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/03/2010 13:16  
 Lab File ID: O1486.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin	0.3563	0.3786		114	100	13.7	30.0
1,1,1-Trichloroethane	Ave	0.8205	0.8695		53.0	50.0	6.0	30.0
Methyl Ethyl Ketone	Ave	0.4684	0.5904		63.0	50.0	26.0	30.0
1,1-Dichloropropene	Ave	0.8905	0.9522		53.5	50.0	6.9	30.0
Benzene	Ave	2.495	2.590		51.9	50.0	3.8	30.0
Propionitrile	Ave	0.1062	0.1258		592	500	18.5	30.0
Methacrylonitrile	Ave	0.5204	0.5913		56.8	50.0	13.6	30.0
Tert-amyl methyl ether	Ave	1.887	1.992		52.8	50.0	5.6	30.0
1,2-Dichloroethane	Ave	0.7976	0.8633		54.1	50.0	8.2	30.0
Isobutyl alcohol	Ave	0.1405	0.0679		241	499	-51.7*	30.0
Methylcyclohexane	Ave	1.106	1.137		51.4	50.0	2.7	30.0
Trichloroethene	Ave	0.6303	0.6574		52.2	50.0	4.3	30.0
Dibromomethane	Ave	0.4201	0.4799		57.1	50.0	14.2	30.0
1,2-Dichloropropane	Ave	0.6925	0.7637		55.1	50.0	10.3	20.0
Bromodichloromethane	Ave	0.8614	0.8536		49.6	50.0	-0.9	30.0
Methyl methacrylate	Ave	0.5259	0.5315		50.5	50.0	1.1	30.0
1,4-Dioxane	Ave	0.0165	0.0136		412	499	-17.5	30.0
2-Chloroethyl vinyl ether	Ave	0.9363	0.9715		51.8	49.9	3.8	30.0
cis-1,3-Dichloropropene	Ave	1.081	1.122		51.9	50.0	3.8	30.0
Toluene	Ave	3.459	3.131		45.3	50.0	-9.5	20.0
Chloroacetonitrile	Lin	0.0276	0.0357		572	500	14.3	30.0
2-Nitropropane	Ave	0.1942	0.2083		107	100	7.3	30.0
1,1-Dichloro-2-propanone	Ave	0.5360	0.5715		267	250	6.6	30.0
Tetrachloroethene	Ave	0.6667	0.5934		44.5	50.0	-11.0	30.0
methyl isobutyl ketone	Ave	1.155	1.185		51.3	50.0	2.6	30.0
trans-1,3-Dichloropropene	Ave	0.9459	1.010		53.4	50.0	6.7	30.0
1,1,2-Trichloroethane	Ave	0.5302	0.5812		54.8	50.0	9.6	30.0
Ethyl methacrylate	Ave	1.294	1.191		46.0	50.0	-8.0	30.0
Dibromochloromethane	Ave	0.9004	0.8392		46.6	50.0	-6.8	30.0
1,3-Dichloropropane	Ave	1.337	1.294		48.4	50.0	-3.2	30.0
1,2-Dibromoethane	Ave	0.8109	0.8017		49.4	50.0	-1.1	30.0
2-Hexanone	Ave	0.8809	0.9087		51.6	50.0	3.2	30.0
Chlorobenzene	Ave	2.153	1.959	0.3000	45.5	50.0	-9.0	30.0
1-Chlorohexane	Ave	1.655	1.452		43.9	50.0	-12.3	30.0
Ethylbenzene	Ave	1.093	0.9775		44.7	50.0	-10.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7642	0.6962		45.5	50.0	-8.9	30.0
m&p-Xylene	Ave	1.384	1.221		88.2	100	-11.8	30.0
o-Xylene	Ave	1.355	1.198		44.2	50.0	-11.6	30.0
Bromoform	Ave	0.6229	0.5710	0.1000	45.8	50.0	-8.3	30.0
Styrene	Ave	2.235	1.979		44.3	50.0	-11.5	30.0
Isopropylbenzene	Ave	6.363	5.476		43.0	50.0	-13.9	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14142-1

SDG No.: \_\_\_\_\_

Instrument ID: MSQStart Date: 12/02/2010 20:54Analysis Batch Number: 45797End Date: 12/03/2010 02:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-45797/13		12/02/2010 20:54	1	0B874.D	RTX-VMS 0.18 (mm)
CCVIS 220-45797/1		12/02/2010 21:11	1	01486.D	RTX-VMS 0.18 (mm)
LCS 220-45797/2		12/02/2010 21:47	1	01487.D	RTX-VMS 0.18 (mm)
MB 220-45797/3		12/02/2010 22:22	1	01488.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/02/2010 22:58	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/02/2010 23:24	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/02/2010 23:49	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/03/2010 00:14	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/03/2010 00:40	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/03/2010 01:05	1		RTX-VMS 0.18 (mm)
220-14142-4	ICSSWEXDP008S	12/03/2010 01:30	1	01495.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/03/2010 01:56	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/03/2010 02:21	1		RTX-VMS 0.18 (mm)

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46043/3  
 Matrix: Solid Lab File ID: L7259.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 100(uL) Date Analyzed: 12/09/2010 19:40  
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1  
 Soil Extract Vol.: 5(mL) GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Medium  
 Analysis Batch No.: 46043 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	250	U	250	39
74-87-3	Chloromethane	250	U	250	32
75-01-4	Vinyl chloride	250	U	250	34
74-83-9	Bromomethane	250	U	250	46
75-00-3	Chloroethane	250	U	250	40
75-69-4	Trichlorofluoromethane	250	U	250	32
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	34
75-35-4	1,1-Dichloroethene	250	U	250	38
75-15-0	Carbon disulfide	250	U	250	33
67-64-1	Acetone	620	U	620	120
75-09-2	Methylene Chloride	95.3	J	250	40
79-20-9	Methyl acetate	114	J	250	34
156-60-5	trans-1,2-Dichloroethene	250	U	250	26
75-34-3	1,1-Dichloroethane	250	U	250	36
156-59-2	cis-1,2-Dichloroethene	250	U	250	30
67-66-3	Chloroform	250	U	250	31
71-55-6	1,1,1-Trichloroethane	250	U	250	31
78-93-3	Methyl Ethyl Ketone	250	U	250	55
110-82-7	Cyclohexane	250	U	250	48
56-23-5	Carbon tetrachloride	250	U	250	38
71-43-2	Benzene	250	U	250	33
107-06-2	1,2-Dichloroethane	250	U	250	30
79-01-6	Trichloroethene	250	U	250	32
78-87-5	1,2-Dichloropropane	250	U	250	26
75-27-4	Bromodichloromethane	250	U	250	34
10061-01-5	cis-1,3-Dichloropropene	250	U	250	30
108-10-1	methyl isobutyl ketone	250	U	250	41
108-88-3	Toluene	250	U	250	36
10061-02-6	trans-1,3-Dichloropropene	250	U	250	31
79-00-5	1,1,2-Trichloroethane	250	U	250	34
127-18-4	Tetrachloroethene	250	U	250	41
591-78-6	2-Hexanone	250	U	250	65
124-48-1	Dibromochloromethane	250	U	250	39
108-90-7	Chlorobenzene	250	U	250	31
100-41-4	Ethylbenzene	250	U	250	26

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: L7259.D Lab Sample ID: MB 220-46043/3  
 Matrix: Solid Heated Purge: (Y/N) N  
 Instrument ID: MSL Date Analyzed: 12/09/2010 19:40  
 GC Column: RTX-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46043/2	L7256.D	12/09/2010 18:14
ICSBMEX008	220-14142-1	L7273.D	12/10/2010 01:47
ICSBMEXDP008	220-14142-2	L7274.D	12/10/2010 02:11
ICSBMEX008 MS	220-14142-1 MS	L7275.D	12/10/2010 02:36
ICSBMEX008 MSD	220-14142-1 MSD	L7276.D	12/10/2010 03:00

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46060/3  
 Matrix: Solid Lab File ID: N0215.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/06/2010 13:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46060 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.35
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.79
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
67-64-1	Acetone	5.46	J	20	2.2
75-09-2	Methylene Chloride	3.85	J	20	1.1
79-20-9	Methyl acetate	5.0	U	5.0	0.44
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
78-93-3	Methyl Ethyl Ketone	10	U	10	1.6
110-82-7	Cyclohexane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
108-88-3	Toluene	1.11	J	5.0	0.074
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
124-48-1	Dibromochloromethane	5.0	U	5.0	0.35
108-90-7	Chlorobenzene	5.0	U	5.0	0.59
100-41-4	Ethylbenzene	5.0	U	5.0	0.70

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: N0215.D Lab Sample ID: MB 220-46060/3  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: MSN Date Analyzed: 12/06/2010 13:48  
 GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46060/2	N0212.D	12/06/2010 12:18
ICSSWEX008S	220-14142-3	N0229.D	12/06/2010 20:30
ICSSWEX008S MS	220-14142-3 MS	N0230.D	12/06/2010 20:55
ICSSWEX008S MSD	220-14142-3 MSD	N0231.D	12/06/2010 21:21

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-45797/3  
 Matrix: Solid Lab File ID: 01488.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/02/2010 22:22  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 45797 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.35
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.79
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
67-64-1	Acetone	20	U	20	2.2
75-09-2	Methylene Chloride	2.48	J	20	1.1
79-20-9	Methyl acetate	5.0	U	5.0	0.44
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
78-93-3	Methyl Ethyl Ketone	10	U	10	1.6
110-82-7	Cyclohexane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
108-88-3	Toluene	0.516	J	5.0	0.074
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
124-48-1	Dibromochloromethane	5.0	U	5.0	0.35
108-90-7	Chlorobenzene	5.0	U	5.0	0.59
100-41-4	Ethylbenzene	5.0	U	5.0	0.70

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
SDG No.: \_\_\_\_\_  
Lab File ID: 01488.D Lab Sample ID: MB 220-45797/3  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: MSO Date Analyzed: 12/02/2010 22:22  
GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-45797/2	01487.D	12/02/2010 21:47
ICSSWEXDP008S	220-14142-4	01495.D	12/03/2010 01:30

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Medium Lab File ID: L7275.D  
 Lab ID: 220-14142-1 MS Client ID: ICSBMEX008 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chloromethane	6290	630 U	5020	80	39-150	
Vinyl chloride	6290	630 U	5380	85	64-150	
Bromomethane	6290	630 U	3910	62	54-150	
Chloroethane	6290	630 U	2020	32	57-150	*
1,1-Dichloroethene	6290	630 U	5420	86	63-147	
Carbon disulfide	6290	630 U	5080	81	48-150	
Methylene Chloride	6290	170 J	5400	83	57-138	
Acetone	6290	1600 U	3370	54	46-150	
trans-1,2-Dichloroethene	6290	630 U	5470	87	57-122	
1,1-Dichloroethane	6290	630 U	5520	88	70-136	
cis-1,2-Dichloroethene	6290	630 U	5650	90	64-125	
Chloroform	6290	630 U	5570	88	68-132	
1,1,1-Trichloroethane	6290	630 U	5650	90	64-142	
Carbon tetrachloride	6290	630 U	5480	87	63-136	
Methyl Ethyl Ketone	6290	630 U	4770	76	39-150	
Benzene	6290	250 J	5790	88	63-138	
1,2-Dichloroethane	6290	630 U	5640	90	63-128	
Trichloroethene	6290	630 U	5560	88	57-128	
1,2-Dichloropropane	6290	630 U	5620	89	67-135	
Bromodichloromethane	6290	630 U	5420	86	69-123	
trans-1,3-Dichloropropene	6290	630 U	5700	91	63-121	
1,1,2-Trichloroethane	6290	630 U	5630	90	73-127	
Toluene	6290	480 J	6000	88	67-120	
methyl isobutyl ketone	6290	630 U	5510	87	70-127	
Tetrachloroethene	6290	630 U	5490	87	52-120	
Dibromochloromethane	6290	630 U	5340	85	72-120	
Chlorobenzene	6290	630 U	5560	88	67-120	
Ethylbenzene	6290	450 J	5960	88	63-120	
Styrene	6290	630 U	5570	88	46-120	
Bromoform	6290	630 U	5110	81	65-120	
1,1,2,2-Tetrachloroethane	6290	630 U	5130	82	76-130	
Xylenes, Total	18900	1000	17500	87	61-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Level: Medium

Lab File ID: L7276.D

Lab ID: 220-14142-1 MSD

Client ID: ICSBMEX008 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS		#
			% REC	% RPD	RPD	REC	
Chloromethane	6290	4820	77	4	20	39-150	
Vinyl chloride	6290	5020	80	7	20	64-150	
Bromomethane	6290	3370	54	15	20	54-150	
Chloroethane	6290	1970	31	2	20	57-150	*
1,1-Dichloroethene	6290	5030	80	8	20	63-147	
Carbon disulfide	6290	4670	74	8	20	48-150	
Methylene Chloride	6290	4960	76	8	20	57-138	
Acetone	6290	3600	57	7	20	46-150	
trans-1,2-Dichloroethene	6290	5110	81	7	20	57-122	
1,1-Dichloroethane	6290	5080	81	8	20	70-136	
cis-1,2-Dichloroethene	6290	5250	83	7	20	64-125	
Chloroform	6290	5020	80	10	20	68-132	
1,1,1-Trichloroethane	6290	5160	82	9	20	64-142	
Carbon tetrachloride	6290	5060	80	8	20	63-136	
Methyl Ethyl Ketone	6290	4380	70	9	20	39-150	
Benzene	6290	5310	80	9	20	63-138	
1,2-Dichloroethane	6290	5180	82	9	20	63-128	
Trichloroethene	6290	5120	81	8	20	57-128	
1,2-Dichloropropane	6290	5210	83	8	20	67-135	
Bromodichloromethane	6290	5000	79	8	20	69-123	
trans-1,3-Dichloropropene	6290	5180	82	10	20	63-121	
1,1,2-Trichloroethane	6290	5260	84	7	20	73-127	
Toluene	6290	5610	82	7	20	67-120	
methyl isobutyl ketone	6290	5080	81	8	20	70-127	
Tetrachloroethene	6290	5060	80	8	20	52-120	
Dibromochloromethane	6290	4920	78	8	20	72-120	
Chlorobenzene	6290	5050	80	10	20	67-120	
Ethylbenzene	6290	5510	80	8	20	63-120	
Styrene	6290	5060	80	10	20	46-120	
Bromoform	6290	4680	74	9	20	65-120	
1,1,2,2-Tetrachloroethane	6290	4710	75	9	20	76-130	*
Xylenes, Total	18900	16300	81	7	20	61-120	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.:

Matrix: Solid Level: Low

Lab File ID: N0230.D

Lab ID: 220-14142-3 MS

Client ID: ICSSWEX008S MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chloromethane	64.5	6.5 U	58.1	90	69-143	
Vinyl chloride	64.5	6.5 U	43.2	67	70-137	*
Bromomethane	64.5	6.5 U	45.0	70	83-150	*
Chloroethane	64.5	6.5 U	52.0	81	54-150	
1,1-Dichloroethene	64.5	6.5 U	64.4	100	80-144	
Acetone	64.5	160	183	41	80-150	*
Carbon disulfide	64.5	6.5 U	59.1	92	80-142	
Methylene Chloride	64.5	10 J	65.6	86	68-147	
trans-1,2-Dichloroethene	64.5	6.5 U	61.5	95	50-149	
1,1-Dichloroethane	64.5	6.5 U	63.8	99	78-130	
cis-1,2-Dichloroethene	64.5	6.5 U	62.0	96	80-122	
Methyl Ethyl Ketone	64.5	25	83.1	90	80-150	
Chloroform	64.5	6.5 U	53.9	84	74-142	
1,1,1-Trichloroethane	64.5	6.5 U	50.5	78	80-136	*
Carbon tetrachloride	64.5	6.5 U	46.1	71	80-137	*
Benzene	64.5	6.5 U	67.3	104	80-133	
1,2-Dichloroethane	64.5	6.5 U	50.1	78	76-130	
Trichloroethene	64.5	6.5 U	58.6	91	71-129	
1,2-Dichloropropane	64.5	6.5 U	66.8	104	78-127	
Bromodichloromethane	64.5	6.5 U	50.6	79	74-126	
methyl isobutyl ketone	64.5	6.5 U	58.3	90	74-136	
Toluene	64.5	0.72 J	53.2	81	65-121	
trans-1,3-Dichloropropene	64.5	6.5 U	52.2	81	61-126	
1,1,2-Trichloroethane	64.5	6.5 U	61.7	96	59-146	
Tetrachloroethene	64.5	6.5 U	51.7	80	67-120	
Dibromochloromethane	64.5	6.5 U	43.8	68	71-120	*
Chlorobenzene	64.5	6.5 U	48.0	74	73-120	
Ethylbenzene	64.5	1.6 J	52.0	78	72-120	
Xylenes, Total	194	4.1 J	153	77	71-120	
Styrene	64.5	6.5 U	46.0	71	59-120	
Bromoform	64.5	6.5 U	41.3	64	65-120	*
1,1,2,2-Tetrachloroethane	64.5	6.5 U	51.8	80	76-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: N0231.D

Lab ID: 220-14142-3 MSD

Client ID: ICSSWEX008S MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloromethane	64.5	53.5	83	8	20	69-143	
Vinyl chloride	64.5	43.1	67	0	20	70-137	*
Bromomethane	64.5	40.7	63	10	20	83-150	*
Chloroethane	64.5	52.9	82	2	20	54-150	
1,1-Dichloroethene	64.5	59.9	93	7	20	80-144	
Acetone	64.5	164	12	11	20	80-150	*
Carbon disulfide	64.5	54.9	85	7	20	80-142	
Methylene Chloride	64.5	60.5	78	8	20	68-147	
trans-1,2-Dichloroethene	64.5	56.1	87	9	20	50-149	
1,1-Dichloroethane	64.5	57.1	89	11	20	78-130	
cis-1,2-Dichloroethene	64.5	55.9	87	10	20	80-122	
Methyl Ethyl Ketone	64.5	73.8	76	12	20	80-150	*
Chloroform	64.5	49.0	76	10	20	74-142	
1,1,1-Trichloroethane	64.5	45.0	70	11	20	80-136	*
Carbon tetrachloride	64.5	36.5	57	23	20	80-137	*
Benzene	64.5	59.1	92	13	20	80-133	
1,2-Dichloroethane	64.5	46.0	71	8	20	76-130	*
Trichloroethene	64.5	50.7	79	14	20	71-129	
1,2-Dichloropropane	64.5	60.2	93	10	20	78-127	
Bromodichloromethane	64.5	45.2	70	11	20	74-126	*
methyl isobutyl ketone	64.5	53.3	83	9	20	74-136	
Toluene	64.5	47.2	72	12	20	65-121	
trans-1,3-Dichloropropene	64.5	45.3	70	14	20	61-126	
1,1,2-Trichloroethane	64.5	54.7	85	12	20	59-146	
Tetrachloroethene	64.5	44.0	68	16	20	67-120	
Dibromochloromethane	64.5	39.4	61	11	20	71-120	*
Chlorobenzene	64.5	41.3	64	15	20	73-120	*
Ethylbenzene	64.5	43.8	65	17	20	72-120	*
Xylenes, Total	194	130	65	17	20	71-120	*
Styrene	64.5	39.6	61	15	20	59-120	
Bromoform	64.5	35.7	55	15	20	65-120	*
1,1,2,2-Tetrachloroethane	64.5	46.6	72	11	20	76-120	*

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14715.D  
 Lab ID: LCS 220-45936/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	2670	1510 J	56	56-120	
2,4,6-Trichlorophenol	2670	1560	58	56-120	
2,4-Dichlorophenol	2670	1590	59	54-120	
2,4-Dimethylphenol	2670	1410	53	49-120	
2,4-Dinitrotoluene	2670	1690	63	57-120	
2,4-Dinitrophenol	2670	1550 J	58	33-120	
2,6-Dinitrotoluene	2670	1640	62	59-120	
2-Chloronaphthalene	2670	1670	63	56-120	
2-Chlorophenol	2670	1570	59	54-120	
2-Methylnaphthalene	2670	1650	62	56-120	
2-Methylphenol	2670	1560	58	53-120	
2-Nitroaniline	2670	1600	60	57-120	
2-Nitrophenol	2670	1570	59	56-120	
3,3'-Dichlorobenzidine	2670	1090	41	24-120	
3-Nitroaniline	2670	878	33	38-120	*
4,6-Dinitro-2-methylphenol	2670	1360 J	51	48-120	
4-Bromophenyl phenyl ether	2670	1670	62	57-120	
4-Chloro-3-methylphenol	2670	1560	59	56-120	
4-Chloroaniline	2670	715	27	15-120	
4-Chlorophenyl phenyl ether	2670	1710	64	56-120	
4-Methylphenol	5330	3290	62	54-120	
4-Nitroaniline	2670	1460	55	53-120	
4-Nitrophenol	2670	1550 J	58	55-120	
Acenaphthene	2670	1630	61	57-120	
Acenaphthylene	2670	1640	62	57-120	
Anthracene	2670	1730	65	58-120	
Benzo[a]anthracene	2670	1820	68	58-120	
Benzo[a]pyrene	2670	1740	65	44-120	
Benzo[b]fluoranthene	2670	1700	64	54-120	
Benzo[g,h,i]perylene	2670	1620	61	37-120	
Benzo[k]fluoranthene	2670	1810	68	53-120	
Bis(2-chloroethoxy)methane	2670	1600	60	56-120	
Bis(2-chloroethyl)ether	2670	1500	56	52-120	
Bis(2-ethylhexyl) phthalate	2670	1910	72	56-120	
Butyl benzyl phthalate	2670	1870	70	54-120	
Carbazole	2670	1860	70	58-120	
Chrysene	2670	1800	68	57-120	
Di-n-butyl phthalate	2670	1870	70	58-120	
Di-n-octyl phthalate	2670	1920	72	48-126	
Dibenz(a,h)anthracene	2670	1730	65	39-120	
Dibenzofuran	2670	1640	62	57-120	
Diethyl phthalate	2670	1700	64	57-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14715.D  
 Lab ID: LCS 220-45936/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	2670	1620	61	56-120	
Fluoranthene	2670	1840	69	57-120	
Fluorene	2670	1700	64	58-120	
Hexachlorobenzene	2670	1660	62	56-120	
Hexachlorobutadiene	2670	1590	60	54-120	
Hexachlorocyclopentadiene	2670	1270	78	50-120	*
Hexachloroethane	2670	1520	57	52-120	
Indeno [1,2,3-cd]pyrene	2670	1630	61	37-120	
Isophorone	2670	1630	61	55-120	
N-Nitrosodi-n-propylamine	2670	1640	61	54-120	
N-Nitrosodiphenylamine	2670	1740	65	59-120	
Naphthalene	2670	1640	61	55-120	
Nitrobenzene	2670	1550	58	54-120	
Pentachlorophenol	2670	1700	64	52-120	
Phenanthrene	2670	1730	65	58-120	
Phenol	2670	1590	59	51-120	
Pyrene	2670	1810	68	54-121	
2,2'-oxybis[1-chloropropane]	2670	1590	59	51-120	

# Column to be used to flag recovery and RPD values

# Organic Prep Worksheet

Batch Number: 220-45936  
 Method: 3541  
 Analyst: Piscitelli, Gerald H

Date Open: Dec 08 2010 11:07AM  
 Batch End: Dec 09 2010 9:10AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EWBNASUR_00064	EWBNAFMS_00039	EWRCPLCS_00017
MB-220-45936/1		3541, 8270C		15 g	1 mL			500 uL
LCS-220-45936/2		3541, 8270C		15 g	1 mL	400 uL		500 uL
LCS-220-45936/3			15 g	1 mL	1 mL	400 uL		400 uL
220-14142-A-1	ICSBMEX008	3541, 8270C	T	15.01 g	1 mL			500 uL
220-14142-A-1-MS	ICSBMEX008	3541, 8270C	T	15.07 g	1 mL	400 uL		500 uL
220-14142-A-1-MSD	ICSBMEX008	3541, 8270C	T	15.07 g	1 mL	400 uL		500 uL
220-14142-A-2	ICSBMEXDP008	3541, 8270C	T	15.06 g	1 mL			500 uL
220-14142-A-3	ICSSWEX008S	3541, 8270C	T	15.00 g	1 mL			500 uL
220-14142-A-3-MS	ICSSWEX008S	3541, 8270C	T	15.07 g	1 mL	400 uL		500 uL
220-14142-A-3-MSD	ICSSWEX008S	3541, 8270C	T	15.06 g	1 mL	400 uL		500 uL
220-14142-A-4	ICSSWEXDP008S	3541, 8270C	T	15.00 g	1 mL			500 uL
220-14145-B-1			T	15.06 g	1 mL			500 uL
220-14145-B-2			T	15.03 g	1 mL			500 uL
220-14156-A-1			T	15.07 g	1 mL			500 uL
220-14156-A-2			T	15.04 g	1 mL			500 uL
220-14156-A-3			T	15.01 g	1 mL			500 uL
220-14156-A-4			T	15.03 g	1 mL			500 uL
220-14156-A-5			T	15.07 g	1 mL			500 uL
220-14156-A-6			T	15.02 g	1 mL			500 uL
220-14237-A-10			T	15.05 g	1 mL			500 uL
220-14237-A-11			T	15.00 g	1 mL			500 uL
220-14237-A-13			T	15.01 g	1 mL			500 uL
220-14237-A-14			T	15.05 g	1 mL			500 uL
220-14237-A-15			T	15.02 g	1 mL			500 uL

Person's name who did the prep: gerald piscitelli  
 Person's name who witnessed reagent drop: self  
 Balance ID: 35451  
 Person's name who did the concentration: Tracy Puccino  
 Na2SO4 Lot Number: ena2s04-79  
 Solvent: mecl2:acetone 1:1  
 Vendor lot number: ecmecl2-54:ebacetone-22 1:1

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46145/1 Calibration Date: 12/13/2010 09:46  
 Instrument ID: MSZ Calib Start Date: 12/10/2010 21:18  
 GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 12/10/2010 23:55  
 Lab File ID: Z18590.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2850	0.2925	0.0500	41.1	40.0	2.6	30.0
Acenaphthylene	Ave	1.896	1.927	0.0500	40.7	40.0	1.6	30.0
3-Nitroaniline	Ave	0.3328	0.3498	0.0500	42.0	40.0	5.1	30.0
Acenaphthene	Ave	1.158	1.150	0.0500	39.7	40.0	-0.7	20.0
2,4-Dinitrophenol	Lin	0.1492	0.1068	0.0500	31.1	40.0	-22.2	30.0
4-Nitrophenol	Ave	0.1415	0.1455	0.0500	41.1	40.0	2.8	30.0
Dibenzofuran	Ave	1.655	1.674	0.0500	40.5	40.0	1.2	30.0
2,4-Dinitrotoluene	Ave	0.3825	0.3924	0.0500	41.0	40.0	2.6	30.0
2,3,4,6-Tetrachlorophenol	Lin	0.2356	0.2514	0.0500	38.7	40.0	-3.2	30.0
Diethyl phthalate	Ave	1.301	1.288	0.0500	39.6	40.0	-1.0	30.0
Fluorene	Ave	1.330	1.342	0.0500	40.3	40.0	0.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.6571	0.6595	0.0500	40.1	40.0	0.4	30.0
4-Nitroaniline	Ave	0.3203	0.3431	0.0500	42.8	40.0	7.1	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1259	0.1036	0.0500	32.9	40.0	-17.8	30.0
N-Nitrosodiphenylamine	Ave	0.5403	0.5232	0.0500	38.7	40.0	-3.2	20.0
1,2-Diphenylhydrazine	Ave	0.8559	0.8453	0.0500	39.5	40.0	-1.2	30.0
4-Bromophenyl phenyl ether	Ave	0.1950	0.1940	0.0500	39.8	40.0	-0.5	30.0
Hexachlorobenzene	Ave	0.2038	0.1972	0.0500	38.7	40.0	-3.2	30.0
Simazine	Ave	0.1090	0.1098	0.0500	40.3	40.0	0.7	30.0
Atrazine	Ave	0.1893	0.1864	0.0500	39.4	40.0	-1.6	30.0
Pentachlorophenol	Lin	0.0769	0.0772	0.0500	36.3	40.0	-9.3	20.0
Pentachloronitrobenzene	Ave	0.0741	0.0768	0.0500	41.4	40.0	3.5	30.0
Phenanthrene	Ave	1.064	1.056	0.0500	39.7	40.0	-0.7	30.0
Anthracene	Ave	1.083	1.093	0.0500	40.4	40.0	0.9	30.0
Carbazole	Ave	1.022	1.039	0.0500	40.7	40.0	1.7	30.0
Di-n-butyl phthalate	Ave	1.336	1.305	0.0500	39.1	40.0	-2.3	30.0
Fluoranthene	Ave	1.147	1.141	0.0500	39.8	40.0	-0.5	20.0
Benzdine	Ave	0.3023	0.3220	0.0500	42.6	40.0	6.5	30.0
Pyrene	Ave	1.437	1.522	0.0500	42.4	40.0	5.9	30.0
3,3'-Dimethylbenzidine	Ave	0.2265	0.2218	0.0500	39.2	40.0	-2.1	30.0
Butyl benzyl phthalate	Ave	0.6567	0.6512	0.0500	39.7	40.0	-0.8	30.0
3,3'-Dichlorobenzidine	Ave	0.3273	0.3168	0.0500	38.7	40.0	-3.2	30.0
Benzo[a]anthracene	Ave	1.120	1.127	0.0500	40.3	40.0	0.7	30.0
Chrysene	Ave	1.056	1.051	0.0500	39.8	40.0	-0.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8608	0.7959	0.0500	37.0	40.0	-7.5	30.0
Di-n-octyl phthalate	Lin	1.658	1.929	0.0500	39.5	40.0	-1.4	20.0
Benzo[b]fluoranthene	Ave	1.246	1.350	0.0500	43.3	40.0	8.3	30.0
Benzo[k]fluoranthene	Ave	1.249	1.393	0.0500	44.6	40.0	11.6	30.0
Benzo[a]pyrene	Ave	0.9447	0.9869	0.0500	41.8	40.0	4.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.6135	0.6126	0.0500	39.9	40.0	-0.1	30.0
Dibenz(a,h)anthracene	Ave	0.5913	0.5864	0.0500	39.7	40.0	-0.8	30.0

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Instrument ID: MSZ Start Date: 12/13/2010 09:46

Analysis Batch Number: 46145 End Date: 12/13/2010 21:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 220-46145/1		12/13/2010 09:46	1	Z18590.D	RXi-5MS 0.25 (mm)
DFTPP 220-46145/14		12/13/2010 09:46	1	Zs18590.D	RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 14:14	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 15:12	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 15:41	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 16:10	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 16:39	1		RXi-5MS 0.25 (mm)
220-14142-3	ICSSWEX008S	12/13/2010 18:34	1	Z18608.D	RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 19:03	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 19:31	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 20:00	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 20:28	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 20:57	2		RXi-5MS 0.25 (mm)
ZZZZZ		12/13/2010 21:26	1		RXi-5MS 0.25 (mm)

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1 Analy Batch No.: 46056

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2010 07:28 Calibration End Date: 12/10/2010 10:01 Calibration ID: 8821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-46056/2	C20955.D
Level 2	IC 220-46056/3	C20956.D
Level 3	IC 220-46056/4	C20957.D
Level 4	ICIS 220-46056/1	C20954.D
Level 5	IC 220-46056/5	C20958.D
Level 6	IC 220-46056/6	C20959.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			# MIN RRF	RSD #	MAX RSD	R^2 OR COD	# MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B		M1	M2						
N-Nitrosodimethylamine	0.1737 0.1843	0.1830 0.2569	0.1849 0.2643	0.1895 0.2736	0.1905 0.2736	0.1843			0.1843		3.3	15.0			
Pyridine	0.2395 0.2556	0.2569 0.4864	0.2643 0.4604	0.2736 0.4855	0.2736 0.3438	0.2622			0.2622		4.9	15.0			
Cyclohexanone	0.4547 +++++	0.4864 0.4577	0.4604 0.5048	0.4855 0.0652	0.3438 0.1679	0.4542			0.4542		13.9	15.0			
Benzaldehyde	0.0975 0.1203	0.4577 1.8216	0.5048 1.8143	0.0652 1.8472	0.1679 1.7358	0.2356			0.2356		82.3 *	15.0			
Aniline	1.8766 1.6581	1.8216 1.5228	1.8143 1.5286	1.8472 1.4755	1.7358 1.4402	1.7923			1.7923		4.5	15.0			
Phenol	1.5470 1.3521	1.5228 0.8050	1.5286 0.8264	1.4755 0.8473	1.4402 0.8089	1.4777			1.4777		4.9	30.0			
Bis(2-chloroethyl)ether	0.8622 0.7506	0.8050 1.2776	0.8264 1.2828	0.8473 1.2811	0.8089 1.2485	0.8167			0.8167		4.8	15.0			
2-Chlorophenol	1.2632 1.1893	1.2776 1.5609	1.2828 1.5448	1.2811 1.5071	1.2485 1.4604	1.2571			1.2571		2.8	15.0			
1,3-Dichlorobenzene	1.5276 1.4059	1.5609 1.5838	1.5448 1.6024	1.5071 1.5498	1.4604 1.4925	1.5011			1.5011		3.9	15.0			
1,4-Dichlorobenzene	1.5958 1.3988	1.5838 1.4965	1.6024 1.4625	1.5498 1.3911	1.4925 1.2896	1.5372			1.5372		5.1	30.0			
1,2-Dichlorobenzene	1.5361 1.2241	1.4965 0.8066	1.4625 0.8266	1.3911 0.8262	1.2896 0.7796	1.4000			1.4000		8.7	15.0			
Benzyl alcohol	0.8094 0.7630	0.8066 1.4729	0.8266 1.4174	0.8262 1.3677	0.7796 1.2072	0.8019			0.8019		3.2	15.0			
2,2'-oxybis[1-chloropropane]	1.5580 1.1474	1.4729 1.2122	1.4174 1.1831	1.3677 1.1663	1.2072 1.0876	1.3617			1.3617		11.6	15.0			
2-Methylphenol	1.2122 1.0627	1.1879 1.7393	1.1831 1.7309	1.1663 1.7505	1.0876 1.6770	1.1500			1.1500		5.2	15.0			
Acetophenone	1.7289 1.6397	1.7393 1.6397	1.7309 1.6397	1.7505 1.6397	1.6770 1.6397	1.7110			1.7110		2.5	15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14142-1

SDG No.: \_\_\_\_\_

Instrument ID: MSCStart Date: 12/10/2010 07:28Analysis Batch Number: 46056End Date: 12/10/2010 19:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICIS 220-46056/1		12/10/2010 07:28	1	C20954.D	ZB-5MS 0.25 (mm)
DFTPP 220-46056/7		12/10/2010 07:28	1	Cs20954.D	ZB-5MS 0.25 (mm)
IC 220-46056/2		12/10/2010 07:59	1	C20955.D	ZB-5MS 0.25 (mm)
IC 220-46056/3		12/10/2010 08:29	1	C20956.D	ZB-5MS 0.25 (mm)
IC 220-46056/4		12/10/2010 09:00	1	C20957.D	ZB-5MS 0.25 (mm)
IC 220-46056/5		12/10/2010 09:30	1	C20958.D	ZB-5MS 0.25 (mm)
IC 220-46056/6		12/10/2010 10:01	1	C20959.D	ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 11:02	1		ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 11:33	1		ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 12:34	1		ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 13:05	1		ZB-5MS 0.25 (mm)
220-14142-4	ICSSWEXDP008S	12/10/2010 16:39	1	C20972.D	ZB-5MS 0.25 (mm)
220-14142-1	ICSBMEX008	12/10/2010 17:09	4	C20973.D	ZB-5MS 0.25 (mm)
220-14142-1 MS	ICSBMEX008 MS	12/10/2010 17:39	4	C20974.D	ZB-5MS 0.25 (mm)
220-14142-1 MSD	ICSBMEX008 MSD	12/10/2010 18:10	4	C20975.D	ZB-5MS 0.25 (mm)
220-14142-2	ICSBMEXDP008	12/10/2010 18:41	4	C20976.D	ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 19:11	10		ZB-5MS 0.25 (mm)
ZZZZZ		12/10/2010 19:42	10		ZB-5MS 0.25 (mm)

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Level: Low

Lab File ID: A14729.D

Lab ID: 220-14142-3 MS

Client ID: ICSSWEX008S MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	3420	2200 U	2080 J	61	56-120	
2,4,6-Trichlorophenol	3420	350 U	2030	59	56-120	
2,4-Dichlorophenol	3420	350 U	2070	60	54-120	
2,4-Dimethylphenol	3420	350 U	2100	61	49-120	
2,4-Dinitrotoluene	3420	350 U	2140	63	57-120	
2,4-Dinitrophenol	3420	2200 U	1140 J	33	33-120	
2,6-Dinitrotoluene	3420	350 U	2090	61	59-120	
2-Chloronaphthalene	3420	350 U	2140	63	56-120	
2-Chlorophenol	3420	350 U	2000	58	54-120	
2-Methylnaphthalene	3420	55 J	2140	61	56-120	
2-Methylphenol	3420	350 U	2010	59	53-120	
2-Nitroaniline	3420	860 U	2210	65	57-120	
2-Nitrophenol	3420	350 U	1930	56	56-120	
3,3'-Dichlorobenzidine	3420	430 U	786	23	24-120	*
3-Nitroaniline	3420	860 U	1250	37	38-120	*
4,6-Dinitro-2-methylphenol	3420	2200 U	287 J	8	48-120	*
4-Bromophenyl phenyl ether	3420	350 U	2190	64	57-120	
4-Chloro-3-methylphenol	3420	350 U	2090	61	56-120	
4-Chloroaniline	3420	350 U	881	26	15-120	
4-Chlorophenyl phenyl ether	3420	350 U	2170	63	56-120	
4-Methylphenol	6850	350 U	4270	62	54-120	
4-Nitroaniline	3420	350 U	1760	51	53-120	*
4-Nitrophenol	3420	2200 U	2230	65	55-120	
Acenaphthene	3420	79 J	2160	61	57-120	
Acenaphthylene	3420	350 U	2080	61	57-120	
Anthracene	3420	17 J	2250	65	58-120	
Benzo[a]anthracene	3420	28 J	2270	66	58-120	
Benzo[a]pyrene	3420	350 U	2160	63	44-120	
Benzo[b]fluoranthene	3420	350 U	2360	69	54-120	
Benzo[g,h,i]perylene	3420	350 U	2300	67	37-120	
Benzo[k]fluoranthene	3420	350 U	2580	75	53-120	
Bis(2-chloroethoxy)methane	3420	350 U	2040	60	56-120	
Bis(2-chloroethyl)ether	3420	350 U	1930	56	52-120	
Bis(2-ethylhexyl) phthalate	3420	350 U	3140	92	56-120	
Butyl benzyl phthalate	3420	350 U	3010	88	54-120	
Carbazole	3420	350 U	2200	64	58-120	
Chrysene	3420	31 J	2250	65	57-120	
Di-n-butyl phthalate	3420	350 U	2440	71	58-120	
Di-n-octyl phthalate	3420	350 U	4480	131	48-126	*
Dibenz(a,h)anthracene	3420	350 U	2270	66	39-120	
Dibenzofuran	3420	350 U	2110	62	57-120	
Diethyl phthalate	3420	350 U	2220	65	57-120	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14729.D  
 Lab ID: 220-14142-3 MS Client ID: ICSSWEX008S MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dimethyl phthalate	3420	350 U	2110	62	56-120	
Fluoranthene	3420	49 J	2280	65	57-120	
Fluorene	3420	22 J	2230	65	58-120	
Hexachlorobenzene	3420	350 U	2170	63	56-120	
Hexachlorobutadiene	3420	350 U	1950	57	54-120	
Hexachlorocyclopentadiene	3420	860 U	345 J	10	50-120	*
Hexachloroethane	3420	350 U	1680	49	52-120	*
Indeno[1,2,3-cd]pyrene	3420	350 U	2210	65	37-120	
Isophorone	3420	350 U	2080	61	55-120	
N-Nitrosodi-n-propylamine	3420	350 U	2070	60	54-120	
N-Nitrosodiphenylamine	3420	350 U	2260	66	59-120	
Naphthalene	3420	150 J	2170	59	55-120	
Nitrobenzene	3420	350 U	2000	58	54-120	
Pentachlorophenol	3420	860 U	2100	61	52-120	
Phenanthrene	3420	59 J	2260	64	58-120	
Phenol	3420	350 U	2000	59	51-120	
Pyrene	3420	52 J	2840	82	54-121	
2,2'-oxybis[1-chloropropane]	3420	350 U	1990	58	51-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Level: Low

Lab File ID: A14730.D

Lab ID: 220-14142-3 MSD

Client ID: ICSSWEX008S MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	MSD % RPD	QC LIMITS		#
					RPD	REC	
2,4,5-Trichlorophenol	3430	2500	73	19	40	56-120	
2,4,6-Trichlorophenol	3430	2330	68	14	40	56-120	
2,4-Dichlorophenol	3430	2310	67	11	40	54-120	
2,4-Dimethylphenol	3430	2390	70	13	40	49-120	
2,4-Dinitrotoluene	3430	1810	53	17	40	57-120	*
2,4-Dinitrophenol	3430	1090 J	32	4	40	33-120	*
2,6-Dinitrotoluene	3430	1810	53	14	40	59-120	*
2-Chloronaphthalene	3430	2440	71	13	40	56-120	
2-Chlorophenol	3430	2230	65	11	50	54-120	
2-Methylnaphthalene	3430	2430	69	13	40	56-120	
2-Methylphenol	3430	2280	66	12	40	53-120	
2-Nitroaniline	3430	2940	86	28	40	57-120	
2-Nitrophenol	3430	1500	44	25	40	56-120	*
3,3'-Dichlorobenzidine	3430	1220	36	44	40	24-120	*
3-Nitroaniline	3430	2090	61	50	40	38-120	*
4,6-Dinitro-2-methylphenol	3430	181 J	5	45	40	48-120	*
4-Bromophenyl phenyl ether	3430	2470	72	12	40	57-120	
4-Chloro-3-methylphenol	3430	2450	71	16	33	56-120	
4-Chloroaniline	3430	1540	45	55	40	15-120	*
4-Chlorophenyl phenyl ether	3430	2510	73	15	40	56-120	
4-Methylphenol	6850	4730	69	10	40	54-120	
4-Nitroaniline	3430	2530	74	36	40	53-120	
4-Nitrophenol	3430	2720	79	20	40	55-120	
Acenaphthene	3430	2510	71	15	40	57-120	
Acenaphthylene	3430	2420	70	15	19	57-120	
Anthracene	3430	2660	77	17	40	58-120	
Benzo[a]anthracene	3430	2730	79	18	40	58-120	
Benzo[a]pyrene	3430	2620	76	19	40	44-120	
Benzo[b]fluoranthene	3430	2920	85	21	40	54-120	
Benzo[g,h,i]perylene	3430	2690	79	16	40	37-120	
Benzo[k]fluoranthene	3430	2960	86	14	40	53-120	
Bis(2-chloroethoxy)methane	3430	2320	68	13	40	56-120	
Bis(2-chloroethyl)ether	3430	2200	64	13	40	52-120	
Bis(2-ethylhexyl) phthalate	3430	3800	111	19	40	56-120	
Butyl benzyl phthalate	3430	3640	106	19	40	54-120	
Carbazole	3430	2540	74	15	40	58-120	
Chrysene	3430	2680	77	17	40	57-120	
Di-n-butyl phthalate	3430	2890	84	17	40	58-120	
Di-n-octyl phthalate	3430	5160	151	14	40	48-126	*
Dibenz(a,h)anthracene	3430	2660	78	16	40	39-120	
Dibenzofuran	3430	2480	72	16	40	57-120	
Diethyl phthalate	3430	2630	77	17	40	57-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14730.D  
 Lab ID: 220-14142-3 MSD Client ID: ICSSWEX008S MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS		#
			% REC	% RPD	RPD	REC	
Dimethyl phthalate	3430	2470	72	16	40	56-120	
Fluoranthene	3430	2760	79	19	40	57-120	
Fluorene	3430	2550	74	13	40	58-120	
Hexachlorobenzene	3430	2490	73	14	40	56-120	
Hexachlorobutadiene	3430	2290	67	16	40	54-120	
Hexachlorocyclopentadiene	3430	238 J	77	37	40	50-120	*
Hexachloroethane	3430	1870	55	11	40	52-120	
Indeno[1,2,3-cd]pyrene	3430	2550	74	14	40	37-120	
Isophorone	3430	2360	69	13	40	55-120	
N-Nitrosodi-n-propylamine	3430	2340	68	12	38	54-120	
N-Nitrosodiphenylamine	3430	2630	77	15	40	59-120	
Naphthalene	3430	2450	67	12	40	55-120	
Nitrobenzene	3430	2140	62	7	40	54-120	
Pentachlorophenol	3430	2470	72	17	47	52-120	
Phenanthrene	3430	2690	77	17	40	58-120	
Phenol	3430	2280	67	13	35	51-120	
Pyrene	3430	3390	98	18	36	54-121	
2,2'-oxybis[1-chloropropane]	3430	2250	66	12	40	51-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

DF-4

SDG No.:

Matrix: Solid Level: Low

Lab File ID: C20974.D

no action

Lab ID: 220-14142-1 MS

Client ID: ICSBMEX008 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	3370	8600 U	2460 J	73	56-120	
2,4,6-Trichlorophenol	3370	1400 U	2600	77	56-120	
2,4-Dichlorophenol	3370	1400 U	2510	75	54-120	
2,4-Dimethylphenol	3370	160 J	2760	77	49-120	
2,4-Dinitrotoluene	3370	1400 U	2990	89	57-120	
2,4-Dinitrophenol	3370	8600 U	5910 J	176	33-120	*
2,6-Dinitrotoluene	3370	1400 U	2850	85	59-120	
2-Chloronaphthalene	3370	1400 U	2730	81	56-120	
2-Chlorophenol	3370	1400 U	2360	70	54-120	
2-Methylnaphthalene	3370	17000	18700	43	56-120	*
2-Methylphenol	3370	160 J	2630	73	53-120	
2-Nitroaniline	3370	3400 U	2980 J	88	57-120	
2-Nitrophenol	3370	1400 U	2250	67	56-120	
3,3'-Dichlorobenzidine	3370	1700 U	1240 J	37	24-120	
3-Nitroaniline	3370	3400 U	2160 J	64	38-120	
4,6-Dinitro-2-methylphenol	3370	8600 U	4180 J	124	48-120	*
4-Bromophenyl phenyl ether	3370	1400 U	2750	82	57-120	
4-Chloro-3-methylphenol	3370	1400 U	2740	81	56-120	
4-Chloroaniline	3370	1400 U	1510	45	15-120	
4-Chlorophenyl phenyl ether	3370	1400 U	2990	89	56-120	
4-Methylphenol	6740	200 J	5430	78	54-120	
4-Nitroaniline	3370	1400 U	2390	71	53-120	
4-Nitrophenol	3370	8600 U	2570 J	76	55-120	
Acenaphthene	3370	12000	12800	38	57-120	*
Acenaphthylene	3370	2200	4820	77	57-120	
Anthracene	3370	7000	9140	62	58-120	
Benzo[a]anthracene	3370	5600	6680	31	58-120	*
Benzo[a]pyrene	3370	5400	6250	25	44-120	*
Benzo[b]fluoranthene	3370	5600	6210	20	54-120	*
Benzo[g,h,i]perylene	3370	3900	5460	46	37-120	
Benzo[k]fluoranthene	3370	2100	4630	75	53-120	
Bis(2-chloroethoxy)methane	3370	1400 U	2420	72	56-120	
Bis(2-chloroethyl) ether	3370	1400 U	2240	67	52-120	
Bis(2-ethylhexyl) phthalate	3370	150 J	3500	99	56-120	
Butyl benzyl phthalate	3370	1400 U	3350	99	54-120	
Carbazole	3370	1400	4680	97	58-120	
Chrysene	3370	5300	6530	37	57-120	*
Di-n-butyl phthalate	3370	1400 U	3350	99	58-120	
Di-n-octyl phthalate	3370	1400 U	4880	145	48-126	*
Dibenz(a,h)anthracene	3370	2700	4310	49	39-120	
Dibenzofuran	3370	2700	5650	88	57-120	
Diethyl phthalate	3370	1400 U	2980	89	57-120	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: C20974.D  
 Lab ID: 220-14142-1 MS Client ID: ICSBMEX008 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dimethyl phthalate	3370	1400 U	2840	84	56-120	
Fluoranthene	3370	12000	12000	71	57-120	*
Fluorene	3370	8000	10100	60	58-120	
Hexachlorobenzene	3370	1400 U	2680	80	56-120	
Hexachlorobutadiene	3370	1400 U	2420	72	54-120	
Hexachlorocyclopentadiene	3370	3400 U	3400 U	60	50-120	*
Hexachloroethane	3370	1400 U	2140	64	52-120	
Indeno[1,2,3-cd]pyrene	3370	4200	5480	40	37-120	
Isophorone	3370	1400 U	2450	73	55-120	
N-Nitrosodi-n-propylamine	3370	1400 U	2430	72	54-120	
N-Nitrosodiphenylamine	3370	1400 U	3150	94	59-120	
Naphthalene	3370	26000	26300	51	55-120	*
Nitrobenzene	3370	1400 U	2380	71	54-120	
Pentachlorophenol	3370	3400 U	4080	121	52-120	*
Phenanthrene	3370	20000	20500	81	58-120	*
Phenol	3370	120 J	2490	70	51-120	
Pyrene	3370	13000	13300	52	54-121	*
2,2'-oxybis[1-chloropropane]	3370	1400 U	2390	71	51-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Level: Low

Lab File ID: C20975.D

Lab ID: 220-14142-1 MSD

Client ID: ICSBMEX008 MSD

DF4  
no reaction

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %		QC LIMITS		#
			REC	RPD	RPD	REC	
2,4,5-Trichlorophenol	3370	1320 J	39	60	40	56-120	*
2,4,6-Trichlorophenol	3370	1360 J	40	63	40	56-120	*
2,4-Dichlorophenol	3370	1330 J	40	61	40	54-120	*
2,4-Dimethylphenol	3370	1510	40	58	40	49-120	*
2,4-Dinitrotoluene	3370	1810	54	49	40	57-120	*
2,4-Dinitrophenol	3370	5910 J	175	0	40	33-120	*
2,6-Dinitrotoluene	3370	1550	46	59	40	59-120	*
2-Chloronaphthalene	3370	1500	45	58	40	56-120	*
2-Chlorophenol	3370	1340 J	40	55	50	54-120	*
2-Methylnaphthalene	3370	20000	80	6	40	56-120	*
2-Methylphenol	3370	1470	39	57	40	53-120	*
2-Nitroaniline	3370	1710 J	51	54	40	57-120	*
2-Nitrophenol	3370	1000 J	30	77	40	56-120	*
3,3'-Dichlorobenzidine	3370	1330 J	39	7	40	24-120	*
3-Nitroaniline	3370	1450 J	43	39	40	38-120	*
4,6-Dinitro-2-methylphenol	3370	4080 J	121	3	40	48-120	*
4-Bromophenyl phenyl ether	3370	1530	45	57	40	57-120	*
4-Chloro-3-methylphenol	3370	1510	45	58	33	56-120	*
4-Chloroaniline	3370	794 J	24	62	40	15-120	*
4-Chlorophenyl phenyl ether	3370	1650	49	58	40	56-120	*
4-Methylphenol	6740	2970	41	59	40	54-120	*
4-Nitroaniline	3370	1780	53	29	40	53-120	*
4-Nitrophenol	3370	1360 J	40	61	40	55-120	*
Acenaphthene	3370	12500	29	2	40	57-120	*
Acenaphthylene	3370	3770	46	24	19	57-120	*
Anthracene	3370	8680	49	5	40	58-120	*
Benzo[a]anthracene	3370	5750	3	15	40	58-120	*
Benzo[a]pyrene	3370	5150	-8	19	40	44-120	*
Benzo[b]fluoranthene	3370	5150	-12	19	40	54-120	*
Benzo[g,h,i]perylene	3370	4570	20	18	40	37-120	*
Benzo[k]fluoranthene	3370	3180	32	37	40	53-120	*
Bis(2-chloroethoxy)methane	3370	1340 J	40	57	40	56-120	*
Bis(2-chloroethyl)ether	3370	1270 J	38	55	40	52-120	*
Bis(2-ethylhexyl) phthalate	3370	2120	58	49	40	56-120	*
Butyl benzyl phthalate	3370	1990	59	51	40	54-120	*
Carbazole	3370	3680	67	24	40	58-120	*
Chrysene	3370	5430	4	18	40	57-120	*
Di-n-butyl phthalate	3370	2020	60	49	40	58-120	*
Di-n-octyl phthalate	3370	3330	99	38	40	48-126	*
Dibenz(a,h)anthracene	3370	3570	27	19	40	39-120	*
Dibenzofuran	3370	4550	56	22	40	57-120	*
Diethyl phthalate	3370	1740	52	53	40	57-120	*

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: C20975.D

Lab ID: 220-14142-1 MSD Client ID: ICSBMEX008 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %		QC LIMITS		#
			% REC	% RPD	RPD	REC	
Dimethyl phthalate	3370	1600	48	56	40	56-120	*
Fluoranthene	3370	11400	10	5	40	57-120	*
Fluorene	3370	9560	45	5	40	58-120	*
Hexachlorobenzene	3370	1530	45	55	40	56-120	*
Hexachlorobutadiene	3370	1380 J	41	55	40	54-120	*
Hexachlorocyclopentadiene	3370	3400 U	0	NC	40	50-120	*
Hexachloroethane	3370	1230 J	37	54	40	52-120	*
Indeno[1,2,3-cd]pyrene	3370	4480	10	20	40	37-120	*
Isophorone	3370	1390 J	41	56	40	55-120	*
N-Nitrosodi-n-propylamine	3370	1360 J	40	57	38	54-120	*
N-Nitrosodiphenylamine	3370	1900	56	50	40	59-120	*
Naphthalene	3370	26800	21	2	40	55-120	*
Nitrobenzene	3370	1400	42	52	40	54-120	*
Pentachlorophenol	3370	3300 J	98	21	47	52-120	
Phenanthrene	3370	20600	11	0	40	58-120	*
Phenol	3370	1370 J	37	58	35	51-120	*
Pyrene	3370	13300	3	0	36	54-121	*
2,2'-oxybis[1-chloropropane]	3370	1340 J	40	56	40	51-120	*

# Column to be used to flag recovery and RPD values

FORM III 8270C

5A-IN  
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY  
 METALS

Client ID: ICSBMEX008 MSD

Lab ID: 220-14142-1 MSD

Lab Name: TestAmerica Connecticut

Job No.: 220-14142-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 78.8

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Lead	114.3	31.1	303	75-125	77	20	N	6010B
Mercury	0.236	0.187	77	75-125	19	25		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN



**Job Narrative**  
**220-14267-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: ICSBMEX010 (220-14267-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample SB-39 (12-13) (220-14228-19 MSD) was outside control limits with an RPD value of 82. Non-homogeneity of the sample matrix and/or matrix interference is suspected.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample SB-39 (12-13) (220-14228-19 MSD) was outside control limits at 40%. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46164/1 Calibration Date: 12/09/2010 17:35  
 Instrument ID: MSN Calib Start Date: 11/02/2010 10:46  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/02/2010 10:46  
 Lab File ID: N0248.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl Ethyl Ketone	Ave	0.3005	0.3031		50.4	50.0	0.8	30.0
1,1-Dichloropropene	Ave	0.4806	0.5296		55.1	50.0	10.2	30.0
1-Chlorobutane	Ave	0.7300	0.8205		56.2	50.0	12.4	30.0
Heptane	Ave	0.1891	0.2184		57.7	50.0	15.4	30.0
Benzene	Ave	1.171	1.411		60.3	50.0	20.5	30.0
Propionitrile	Ave	0.0564	0.0630		559	500	11.7	30.0
Methacrylonitrile	Ave	0.2938	0.3229		55.0	50.0	9.9	30.0
Tert-amyl methyl ether	Ave	1.050	1.174		55.9	50.0	11.8	30.0
1,2-Dichloroethane	Ave	0.6837	0.6276		45.9	50.0	-8.2	30.0
Isobutyl alcohol	Ave	0.0325	0.0274		421	499	-15.7	30.0
Methylcyclohexane	Ave	0.5162	0.6239		60.4	50.0	20.9	30.0
Trichloroethene	Ave	0.4002	0.4340		54.2	50.0	8.4	30.0
Dibromomethane	Ave	0.2858	0.2838		49.6	50.0	-0.7	30.0
1,2-Dichloropropane	Ave	0.3378	0.3955		58.5	50.0	17.1	20.0
Bromodichloromethane	Ave	0.5195	0.5026		48.4	50.0	-3.3	30.0
Methyl methacrylate	Ave	0.2600	0.2971		57.1	50.0	14.3	30.0
1,4-Dioxane	Ave	0.0087	0.0076		438	499	-12.3	30.0
2-Chloroethyl vinyl ether	Ave	0.4988	0.5916		59.2	49.9	18.6	30.0
cis-1,3-Dichloropropene	Ave	0.5625	0.6367		56.6	50.0	13.2	30.0
Toluene	Ave	1.430	1.422		49.7	50.0	-0.6	20.0
Chloroacetonitrile	Lin	0.0126	0.0157		540	500	8.0	30.0
2-Nitropropane	Ave	0.1543	0.1360		88.1	100	-11.9	30.0
1,1-Dichloro-2-propanone	Ave	0.2634	0.2947		280	250	11.9	30.0
Tetrachloroethene	Ave	0.2900	0.3025		52.2	50.0	4.3	30.0
methyl isobutyl ketone	Ave	0.5165	0.5224		50.6	50.0	1.1	30.0
trans-1,3-Dichloropropene	Ave	0.5716	0.5908		51.7	50.0	3.4	30.0
1,1,2-Trichloroethane	Ave	0.3222	0.3478		54.0	50.0	7.9	30.0
Ethyl methacrylate	Ave	0.5140	0.5442		52.9	50.0	5.9	30.0
Dibromochloromethane	Ave	0.5239	0.4590		43.8	50.0	-12.4	30.0
1,3-Dichloropropane	Ave	0.6177	0.6306		51.1	50.0	2.1	30.0
1,2-Dibromoethane	Ave	0.4462	0.4164		46.7	50.0	-6.7	30.0
2-Hexanone	Ave	0.4303	0.3763		43.7	50.0	-12.5	30.0
1-Chlorohexane	Ave	1.531	0.5626		18.4	50.0	-63.3*	30.0
Chlorobenzene	Ave	1.077	1.062	0.3000	49.3	50.0	-1.4	30.0
Ethylbenzene	Ave	0.5151	0.5163		50.1	50.0	0.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4327	0.4032		46.6	50.0	-6.8	30.0
m&p-Xylene	Ave	0.6643	0.6535		98.4	100	-1.6	30.0
o-Xylene	Ave	0.6281	0.6268		49.9	50.0	-0.2	30.0
Styrene	Ave	1.042	0.9840		47.2	50.0	-5.5	30.0
Bromoform	Lin	0.2956	0.2427	0.1000	39.6	50.0	-20.7	30.0
Isopropylbenzene	Ave	3.315	3.258		49.1	50.0	-1.7	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14267-1

SDG No.: \_\_\_\_\_

Instrument ID: MSNStart Date: 12/09/2010 16:34Analysis Batch Number: 46164End Date: 12/10/2010 01:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-46164/7		12/09/2010 16:34	1	NB746.D	RTX-VMS 0.18 (mm)
CCVIS 220-46164/1		12/09/2010 17:35	1	N0248.D	RTX-VMS 0.18 (mm)
LCS 220-46164/2		12/09/2010 18:18	1	N0249.D	RTX-VMS 0.18 (mm)
MB 220-46164/3		12/09/2010 19:52	1	N0251.D	RTX-VMS 0.18 (mm)
220-14267-4	ICSSWEX010S	12/10/2010 00:36	1	N0261.D	RTX-VMS 0.18 (mm)
220-14267-2	ICSSWEX009S	12/10/2010 01:02	1	N0262.D	RTX-VMS 0.18 (mm)
220-14267-1	ICSBMEX009	12/10/2010 01:29	1	N0263.D	RTX-VMS 0.18 (mm)

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46164/3  
 Matrix: Solid Lab File ID: N0251.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/09/2010 19:52  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46164 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	5.0	U	5.0	0.57
108-88-3	Toluene	0.354	J	5.0	0.074
100-41-4	Ethylbenzene	5.0	U	5.0	0.70
1330-20-7	Xylenes, Total	5.0	U	5.0	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		59-132
2037-26-5	Toluene-d8 (Surr)	99		50-118
460-00-4	4-Bromofluorobenzene	87		34-124
1868-53-7	Dibromofluoromethane	88		59-123

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
SDG No.: \_\_\_\_\_  
Lab File ID: N0251.D Lab Sample ID: MB 220-46164/3  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: MSN Date Analyzed: 12/09/2010 19:52  
GC Column: RTX-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46164/2	N0249.D	12/09/2010 18:18
ICSSWEX010S	220-14267-4	N0261.D	12/10/2010 00:36
ICSSWEX009S	220-14267-2	N0262.D	12/10/2010 01:02
ICSBMEX009	220-14267-1	N0263.D	12/10/2010 01:29

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46269/1 Calibration Date: 12/14/2010 21:02  
 Instrument ID: MSZ Calib Start Date: 12/10/2010 21:18  
 GC Column: RXi-5MS ID: 0.25 (mm) Calib End Date: 12/10/2010 23:55  
 Lab File ID: Z18641.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.6051	0.4553	0.0500	30.1	40.0	-24.8	30.0
2-Fluorophenol	Ave	1.250	1.179	0.0500	37.7	40.0	-5.7	30.0
Phenol-d5	Ave	1.714	1.591	0.0500	37.1	40.0	-7.2	30.0
Nitrobenzene-d5	Ave	0.3639	0.3537	0.0500	38.9	40.0	-2.8	30.0
2-Fluorobiphenyl	Ave	1.285	1.210	0.0500	37.7	40.0	-5.8	30.0
2,4,6-Tribromophenol	Ave	0.1387	0.1232	0.0500	35.5	40.0	-11.2	30.0
Terphenyl-d14	Ave	0.8709	0.7883	0.0500	36.2	40.0	-9.5	30.0

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-14267-1  
 SDG No.: \_\_\_\_\_  
 Instrument ID: MSZ Start Date: 12/14/2010 21:02  
 Analysis Batch Number: 46269 End Date: 12/15/2010 07:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 220-46269/1		12/14/2010 21:02	1	Z18641.D	RXi-5MS 0.25 (mm)
DFTPP 220-46269/19		12/14/2010 21:02	1	Zs18641.D	RXi-5MS 0.25 (mm)
220-14267-1	ICSBMEX009	12/14/2010 22:03	1	Z18643.D	RXi-5MS 0.25 (mm)
220-14267-2	ICSSWEX009S	12/14/2010 22:31	1	Z18644.D	RXi-5MS 0.25 (mm)
220-14267-4	ICSSWEX010S	12/14/2010 23:29	1	Z18646.D	RXi-5MS 0.25 (mm)
ZZZZZ		12/14/2010 23:57	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 00:26	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 00:55	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 01:53	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 02:22	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 02:51	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 03:19	4		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 03:48	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 04:17	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 04:46	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 05:15	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 06:12	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 06:40	1		RXi-5MS 0.25 (mm)
ZZZZZ		12/15/2010 07:09	1		RXi-5MS 0.25 (mm)



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46343/3  
 Matrix: Solid Lab File ID: N0315.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/16/2010 22:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	5.0	U	5.0	0.57
108-88-3	Toluene	0.728	J	5.0	0.074
100-41-4	Ethylbenzene	5.0	U	5.0	0.70
1330-20-7	Xylenes, Total	5.0	U	5.0	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		59-132
460-00-4	4-Bromofluorobenzene	89		34-124
1868-53-7	Dibromofluoromethane	92		59-123

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: N0315.D Lab Sample ID: MB 220-46343/3  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: MSN Date Analyzed: 12/16/2010 22:32  
 GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46343/2	N0314.D	12/16/2010 21:48
	220-14228-A-19 MS	N0322.D	12/17/2010 01:53
	220-14228-A-19 MSD	N0323.D	12/17/2010 02:20
ICSBMEX011	220-14287-1	N0326.D	12/17/2010 03:41

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46352/3  
 Matrix: Solid Lab File ID: N0286.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/15/2010 20:33  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46352 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	5.0	U	5.0	0.57
108-88-3	Toluene	0.784	J	5.0	0.074
100-41-4	Ethylbenzene	5.0	U	5.0	0.70
1330-20-7	Xylenes, Total	5.0	U	5.0	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		50-118
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		59-132
460-00-4	4-Bromofluorobenzene	85		34-124
1868-53-7	Dibromofluoromethane	87		59-123

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14287-1  
SDG No.: \_\_\_\_\_  
Lab File ID: N0286.D Lab Sample ID: MB 220-46352/3  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: MSN Date Analyzed: 12/15/2010 20:33  
GC Column: RTX-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46352/2	N0284.D	12/15/2010 19:14
ICSSWEX011S	220-14287-2	N0295.D	12/16/2010 00:48

14319

**URS**

LAB Test America et al  
 COOLER 1 of 1  
 PAGE 1 of 1

**CHAIN OF CUSTODY RECORD**

PROJECT NO. 1176093.0000 SITE NAME ITHACA COURT ST  
 SAMPLERS (PRINT/SIGNATURE) Shawn Conway John [Signature]

DELIVERY SERVICE: \_\_\_\_\_ AIRBILL NO.: \_\_\_\_\_

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	BOTTLE TYPE AND PRESERVATIVE	
							80296	80296
ICSBME	12-10-10	1:00	GN	ICSBME012	S	3	1	2
ICSBME	12-10-10	1:05	GN	ICSBME012	S	3	1	2
ICSBME	12-13-10	1:30	GN	ICSBME013	S	3	1	2
ICSBME	12-13-10	1:35	GN	ICSBME013	S	3	1	2
ICSBME	12-13-10	1:40	GN	ICSBME013	S	3	1	2
ICSBME	12-13-10	1:45	GN	ICSBME013	S	3	1	2

RELINQUISHED BY (SIGNATURE) [Signature] DATE 12-13-10 TIME 4:30 RECEIVED BY (SIGNATURE) [Signature] DATE 12-14-10 TIME 10:30

RELINQUISHED BY (SIGNATURE) \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ RECEIVED FOR LAB BY (SIGNATURE) \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

Distribution: Original accompanies shipment; copy to coordinator field files

EVN # 4

3.60

PASSED PAD SCREEN

SPECIAL INSTRUCTIONS  
PR JACKE THACKELL

TESTS  
Lead  
Asbestos  
80296  
5cc  
80296

REMARKS  
CAT B  
CAT B  
CAT B  
IAT B  
CAT B  
CAT B

MATRIX CODES  
 AA - AMBIENT AIR  
 SE - SEDIMENT  
 SH - HAZARDOUS SOLID WASTE  
 TB# - TRIP BLANK  
 SD# - MATRIX SPIKE DUPLICATE

WQ - WATER FIELD QC  
 WS - SURFACE WATER  
 WO - OCEAN WATER  
 WL - LEACHATE  
 GS - SOIL GAS  
 WC - DRILLING WATER  
 DC - DRILL CUTTINGS  
 SO - SOIL  
 SG - GROUND WATER  
 WP - DRINKING WATER  
 WW - WASTE WATER  
 SI - SLUDGE

LH - HAZARDOUS LIQUID WASTE  
 LF - FLOATING/FREE PRODUCT ON GW TABLE

NUM - NORMAL ENVIRONMENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)  
 MS# - MATRIX SPIKE

**Job Narrative**  
**220-14319-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46343/3  
 Matrix: Solid Lab File ID: N0315.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/16/2010 22:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46343 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.35
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.15
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.79
67-64-1	Acetone	2.60	J	20	2.2
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
79-20-9	Methyl acetate	5.0	U	5.0	0.44
75-09-2	Methylene Chloride	4.28	J	20	1.1
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.21
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
78-93-3	Methyl Ethyl Ketone	10	U	10	1.6
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
110-82-7	Cyclohexane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
108-87-2	Methylcyclohexane	5.0	U	5.0	0.33
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
108-88-3	Toluene	0.728	J	5.0	0.074
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
124-48-1	Dibromochloromethane	5.0	U	5.0	0.35

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
SDG No.: \_\_\_\_\_  
Lab File ID: N0315.D Lab Sample ID: MB 220-46343/3  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: MSN Date Analyzed: 12/16/2010 22:32  
GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46343/2	N0314.D	12/16/2010 21:48
ICSBMEX 012	220-14319-1	N0329.D	12/17/2010 05:04
ICSSWEX 012S	220-14319-2	N0330.D	12/17/2010 05:31
ICSBMEX 013DUP	220-14319-4	N0331.D	12/17/2010 05:57
ICSSWEX 013S	220-14319-5	N0332.D	12/17/2010 06:25

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 220-46414/3  
 Matrix: Solid Lab File ID: 01818.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 12:31  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 46414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.35
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.15
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.79
67-64-1	Acetone	20	U	20	2.2
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
79-20-9	Methyl acetate	5.0	U	5.0	0.44
75-09-2	Methylene Chloride	4.22	U	20	1.1
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.21
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
78-93-3	Methyl Ethyl Ketone	10	U	10	1.6
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
110-82-7	Cyclohexane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
108-87-2	Methylcyclohexane	5.0	U	5.0	0.33
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
108-88-3	Toluene	5.0	U	5.0	0.074
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
124-48-1	Dibromochloromethane	5.0	U	5.0	0.35

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
SDG No.: \_\_\_\_\_  
Lab File ID: 01818.D Lab Sample ID: MB 220-46414/3  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: MSO Date Analyzed: 12/17/2010 12:31  
GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-46414/2	01817.D	12/17/2010 11:52
ICSBMEX 013	220-14319-3	01822.D	12/17/2010 14:33
ICSBMEX 013 MS	220-14319-3 MS	01825.D	12/17/2010 15:49
ICSBMEX 013 MSD	220-14319-3 MSD	01826.D	12/17/2010 16:14

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1 Analy Batch No.: 44974

SDG No.:

Instrument ID: MSN Heated Purge: (Y/N) Y

Calibration Start Date: 11/02/2010 10:46 ID: 0.18(mm) Calibration ID: 8700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-44974/1	N9619.D
Level 2	IC 220-44974/2	N9620.D
Level 3	IC 220-44974/3	N9621.D
Level 4	IC 220-44974/4	N9622.D
Level 5	IC 220-44974/5	N9623.D
Level 6	IC 220-44974/6	N9624.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			MIN RRF	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6		B	M1	M2						
Dichlorodifluoromethane	0.1686	0.2575	0.1282	0.2084	0.1748	Ave	0.1784			0.1000	27.3 *	15.0				
Chloromethane	0.1328	0.4576	0.4213	0.4399	0.3497	Ave	0.4369				13.9	15.0				
Vinyl chloride	0.4169	0.4194	0.3830	0.3986	0.3154	Ave	0.3911				13.0	30.0				
Bromomethane	0.3640	0.4414	0.3549	0.3646	0.2604	Ave	0.3759				24.4 *	15.0				
Chloroethane	0.2576	0.2396	0.2333	0.2540	0.1986	Ave	0.2349				9.1	15.0				
Trichlorofluoromethane	0.9499	0.8715	0.7662	0.7634	0.5535	Ave	0.7500				20.5 *	15.0				
Dichlorofluoromethane	0.7689	0.8433	0.7533	0.7191	0.5798	Ave	0.7180				13.1	15.0				
Ethyl ether	0.2056	0.2256	0.2375	0.2446	0.2027	Ave	0.2239				7.5	15.0				
Ethanol	0.2275	0.0306	0.0269	0.0266	0.0163	Ave	0.0254				21.6 *	15.0				
1,1-Dichloroethene	0.2851	0.2789	0.2602	0.2722	0.2225	Ave	0.2629				8.5	30.0				
1,1,1-Trifluoro-2,2-dichloroethane	0.1137	0.1271	0.0947	0.1091	0.0829	Ave	0.1034				15.6 *	15.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4228	0.4073	0.3677	0.3680	0.2913	Ave	0.3651				13.2	15.0				
Carbon disulfide	0.3334	0.9854	0.9628	1.0106	0.8400	Ave	0.9687				6.8	15.0				
Iodomethane	1.0042	0.3396	0.4018	0.4741	0.3827	Ave	0.4117				13.5	15.0				
Acrolein	0.4602	0.1793	0.1863	0.1784	0.1792	Ave	0.1838				3.0	15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Connecticut

Job No.: 220-14319-1

Analy Batch No.: 44974

SDG No.:

Instrument ID: MSN

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Calibration Start Date: 11/02/2010 10:46

Calibration End Date: 11/02/2010 10:46

Calibration ID: 8700

ANALYTE	RRF						CURVE TYPE			COEFFICIENT		#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2										
3-Chloro-1-propene	0.5679 0.5349	0.5944	0.5458	0.5608	0.4483	Ave	0.5420						9.3	15.0				
Methylene Chloride	++++ 0.3489	0.5286	0.3951	0.3856	0.3086	Ave	0.3933						21.1 *	15.0				
Acetone	++++ 0.2078	0.2864	0.2328	0.2283	0.2050	Ave	0.2320						14.1	15.0				
Methyl acetate	0.6214 0.5433	0.5747	0.5311	0.5487	0.4976	Ave	0.5528						7.6	15.0				
trans-1,2-Dichloroethene	0.3792 0.3203	0.3743	0.3336	0.3409	0.2758	Ave	0.3374						11.3	15.0				
Isopropyl alcohol	0.0747 0.0800	0.0941	0.0859	0.0859	0.0719	Ave	0.0821						10.0	15.0				
Methyl tert-butyl ether	1.1773 1.1043	1.1504	1.1385	1.1522	0.9867	Ave	1.1182						6.1	15.0				
tert-Butyl alcohol	0.0669 0.0720	0.0691	0.0709	0.0748	0.0723	Ave	0.0710						3.9	15.0				
Acetonitrile	0.1018 0.1048	0.1073	0.0997	0.1009	0.0942	Ave	0.1014						4.5	15.0				
Isopropyl ether	1.2587 1.3057	1.3866	1.2924	1.3664	1.1201	Ave	1.2883						7.4	15.0				
2-Chloro-1,3-butadiene	0.3472 0.2875	0.3157	0.3007	0.3082	0.2471	Ave	0.3011						11.0	15.0				
1,1-Dichloroethane	0.6973 0.6279	0.7015	0.6467	0.6805	0.5387	Ave	0.6488					0.1000	9.4	15.0				
Acrylonitrile	0.1511 0.1635	0.1522	0.1631	0.1689	0.1521	Ave	0.1585						4.8	15.0				
Tert-butyl ethyl ether	1.2390 1.2835	1.3279	1.2957	1.3637	1.1059	Ave	1.2693						7.1	15.0				
Vinyl acetate	2.6817 2.5665	2.7430	2.6512	2.7746	2.3741	Ave	2.6319						5.5	15.0				
cis-1,2-Dichloroethene	0.4097 0.3657	0.3729	0.3815	0.3966	0.3122	Ave	0.3731						9.1	15.0				
2,2-Dichloropropane	0.5957 0.5202	0.6547	0.6163	0.6050	0.4641	Ave	0.5760						12.2	15.0				
Bromochloromethane	0.2386 0.2376	0.2463	0.2434	0.2508	0.2045	Ave	0.2369						7.0	15.0				
Cyclohexane	0.4703 0.4436	0.4814	0.4563	0.4647	0.3789	Ave	0.4492						8.2	15.0				
Chloroform	0.7973 0.6449	0.7771	0.7318	0.7111	0.5648	Ave	0.7045						12.3	30.0				

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46343/1 Calibration Date: 12/16/2010 21:00  
 Instrument ID: MSN Calib Start Date: 11/02/2010 10:46  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/02/2010 10:46  
 Lab File ID: N0313.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1784	0.2197		61.6	50.0	23.1	30.0
Chloromethane	Ave	0.4369	0.3937	0.1000	45.1	50.0	-9.9	30.0
Vinyl chloride	Ave	0.3911	0.3772		48.2	50.0	-3.6	20.0
Bromomethane	Ave	0.3759	0.2676		35.6	50.0	-28.8	30.0
Chloroethane	Ave	0.2349	0.2296		48.9	50.0	-2.3	30.0
Trichlorofluoromethane	Ave	0.7500	0.5565		37.1	50.0	-25.8	30.0
Dichlorofluoromethane	Ave	0.7180	0.7453		51.9	50.0	3.8	30.0
Ethyl ether	Ave	0.2239	0.2987		66.7	50.0	33.4*	30.0
Ethanol	Ave	0.0254	0.0256		503	500	0.6	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.1034	0.1110		53.7	50.0	7.4	30.0
1,1-Dichloroethene	Ave	0.2629	0.2853		54.3	50.0	8.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3651	0.4183		57.3	50.0	14.6	30.0
Carbon disulfide	Ave	0.9687	1.283		66.2	50.0	32.5*	30.0
Iodomethane	Ave	0.4117	0.5670		68.9	50.0	37.7*	30.0
Acrolein	Ave	0.1838	0.0746		102	250	-59.4*	30.0
3-Chloro-1-propene	Ave	0.5420	0.6550		60.4	50.0	20.8	30.0
Methylene Chloride	Ave	0.3933	0.3809		48.4	50.0	-3.2	30.0
Acetone	Ave	0.2320	0.2476		53.4	50.0	6.7	30.0
Methyl acetate	Ave	0.5528	1.723		156	50.0	211.7*	30.0
trans-1,2-Dichloroethene	Ave	0.3374	0.3504		51.9	50.0	3.9	30.0
Isopropyl alcohol	Ave	0.0821	0.0873		53.2	50.0	6.4	30.0
Methyl tert-butyl ether	Ave	1.118	1.197		53.5	50.0	7.0	30.0
tert-Butyl alcohol	Ave	0.0710	0.0714		251	250	0.5	30.0
Acetonitrile	Ave	0.1014	0.1080		531	499	6.5	30.0
Isopropyl ether	Ave	1.288	1.557		60.4	50.0	20.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3011	0.3652		60.6	50.0	21.3	30.0
1,1-Dichloroethane	Ave	0.6488	0.6668	0.1000	51.4	50.0	2.8	30.0
Acrylonitrile	Ave	0.1585	0.1887		119	100	19.0	30.0
Tert-butyl ethyl ether	Ave	1.269	1.439		56.7	50.0	13.3	30.0
Vinyl acetate	Ave	2.632	1.236		23.5	50.0	-53.1*	30.0
cis-1,2-Dichloroethene	Ave	0.3731	0.3816		51.1	50.0	2.3	30.0
2,2-Dichloropropane	Ave	0.5760	0.5115		44.4	50.0	-11.2	30.0
Bromochloromethane	Ave	0.2369	0.2365		49.9	50.0	-0.1	30.0
Cyclohexane	Ave	0.4492	0.5718		63.6	50.0	27.3	30.0
Chloroform	Ave	0.7045	0.6178		43.8	50.0	-12.3	20.0
Ethyl acetate	Lin	0.4775	0.2678		54.7	100	-45.3*	30.0
Methyl acrylate	Ave	0.3896	0.4515		57.9	50.0	15.9	30.0
Carbon tetrachloride	Ave	0.5734	0.4419		38.5	50.0	-22.9	30.0
Tetrahydrofuran	Ave	0.1798	0.1954		109	100	8.7	30.0
1,1,1-Trichloroethane	Ave	0.6153	0.4861		39.5	50.0	-21.0	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46343/1 Calibration Date: 12/16/2010 21:00  
 Instrument ID: MSN Calib Start Date: 11/02/2010 10:46  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/02/2010 10:46  
 Lab File ID: N0313.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl Ethyl Ketone	Ave	0.3005	0.3103		51.6	50.0	3.3	30.0
1,1-Dichloropropene	Ave	0.4806	0.4862		50.6	50.0	1.2	30.0
1-Chlorobutane	Ave	0.7300	0.8324		57.0	50.0	14.0	30.0
Heptane	Ave	0.1891	0.2125		56.2	50.0	12.4	30.0
Benzene	Ave	1.171	1.264		53.9	50.0	7.9	30.0
Propionitrile	Ave	0.0564	0.0655		581	500	16.1	30.0
Methacrylonitrile	Ave	0.2938	0.3320		56.5	50.0	13.0	30.0
Tert-amyl methyl ether	Ave	1.050	1.179		56.1	50.0	12.3	30.0
1,2-Dichloroethane	Ave	0.6837	0.5534		40.5	50.0	-19.1	30.0
Isobutyl alcohol	Ave	0.0325	0.0309	✓	475	499	-4.9	30.0
Methylcyclohexane	Ave	0.5162	0.6383		61.8	50.0	23.7	30.0
Trichloroethene	Ave	0.4002	0.3975		49.7	50.0	-0.7	30.0
Dibromomethane	Ave	0.2858	0.2491		43.6	50.0	-12.8	30.0
1,2-Dichloropropane	Ave	0.3378	0.3613		53.5	50.0	7.0	20.0
Bromodichloromethane	Ave	0.5195	0.4397		42.3	50.0	-15.4	30.0
Methyl methacrylate	Ave	0.2600	0.3242		62.3	50.0	24.7	✓ 30.0
1,4-Dioxane	Ave	0.0087	0.0085	✓	488	499	-2.3	30.0
2-Chloroethyl vinyl ether	Ave	0.4988	0.5865		58.7	49.9	17.6	30.0
cis-1,3-Dichloropropene	Ave	0.5625	0.5663		50.3	50.0	0.7	30.0
Toluene	Ave	1.430	1.191		41.6	50.0	-16.8	20.0
Chloroacetonitrile	Lin	0.0126	0.0160	✓	551	500	10.2	30.0
2-Nitropropane	Ave	0.1543	0.1319		85.5	100	-14.5	30.0
1,1-Dichloro-2-propanone	Ave	0.2634	0.2830		269	250	7.4	30.0
methyl isobutyl ketone	Ave	0.5165	0.5168		50.0	50.0	0.0	30.0
Tetrachloroethene	Ave	0.2900	0.2587		44.6	50.0	-10.8	30.0
trans-1,3-Dichloropropene	Ave	0.5716	0.5197		45.5	50.0	-9.1	30.0
1,1,2-Trichloroethane	Ave	0.3222	0.3123		48.5	50.0	-3.1	30.0
Ethyl methacrylate	Ave	0.5140	0.5304		51.6	50.0	3.2	30.0
Dibromochloromethane	Ave	0.5239	0.3830		36.6	50.0	-26.9	30.0
1,3-Dichloropropane	Ave	0.6177	0.5276		42.7	50.0	-14.6	30.0
1,2-Dibromoethane	Ave	0.4462	0.3484		39.0	50.0	-21.9	30.0
2-Hexanone	Ave	0.4303	0.3697		43.0	50.0	-14.1	30.0
1-Chlorohexane	Ave	1.531	0.5059		16.5	50.0	-67.0*	✓ 30.0
Chlorobenzene	Ave	1.077	0.8687	0.3000	40.3	50.0	-19.3	30.0
Ethylbenzene	Ave	0.5151	0.4167		40.4	50.0	-19.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4327	0.3262		37.7	50.0	-24.6	✓ 30.0
m&p-Xylene	Ave	0.6643	0.5368		80.8	100	-19.2	30.0
o-Xylene	Ave	0.6281	0.5150		41.0	50.0	-18.0	30.0
Styrene	Ave	1.042	0.8545		41.0	50.0	-18.0	30.0
Bromoform	Lin	0.2956	0.2031	0.1000	33.5	50.0	-33.1*	30.0
Isopropylbenzene	Ave	3.315	2.637		39.8	50.0	-20.5	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46343/1 Calibration Date: 12/16/2010 21:00  
 Instrument ID: MSN Calib Start Date: 11/02/2010 10:46  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/02/2010 10:46  
 Lab File ID: N0313.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromobenzene	Ave	0.8989	0.7449		41.4	50.0	-17.1	30.0
N-Propylbenzene	Ave	3.959	3.186		40.2	50.0	-19.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9513	0.7860	0.3000	41.3	50.0	-17.4	30.0
4-Ethyltoluene	Ave	3.490	3.015		43.2	50.0	-13.6	30.0
2-Chlorotoluene	Ave	2.842	2.131		37.5	50.0	-25.0	30.0
1,2,3-Trichloropropane	Ave	0.3670	0.2683		36.6	50.0	-26.9	30.0
1,3,5-Trimethylbenzene	Ave	2.951	2.160		36.6	50.0	-26.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3320	0.2915		87.8	100	-12.2	30.0
4-Chlorotoluene	Ave	2.527	1.891		37.4	50.0	-25.2	30.0
tert-Butylbenzene	Ave	2.669	1.958		36.7	50.0	-26.6	30.0
1,2,4-Trimethylbenzene	Ave	2.957	2.133		36.1	50.0	-27.9	30.0
sec-Butylbenzene	Ave	3.878	2.921		37.7	50.0	-24.7	30.0
4-Isopropyltoluene	Ave	3.383	2.455		36.3	50.0	-27.4	30.0
1,3-Dichlorobenzene	Ave	1.668	1.293		38.8	50.0	-22.5	30.0
1,4-Dichlorobenzene	Ave	1.717	1.334		38.9	50.0	-22.3	30.0
p-Diethylbenzene	Ave	1.620	1.331		41.1	50.0	-17.9	30.0
Benzyl chloride	Lin	0.3418	0.3389		47.5	50.0	-5.0	30.0
n-Butylbenzene	Ave	4.801	3.506		36.5	50.0	-27.0	30.0
1,2-Dichlorobenzene	Ave	1.600	1.215		37.9	50.0	-24.1	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.975	2.299		38.6	50.0	-22.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1825	0.1227		33.6	50.0	-32.8*	30.0
Nitrobenzene	Qua	0.0419	0.0298		378	500	-24.4	30.0
Hexachlorobutadiene	Ave	0.6641	0.3937		29.6	50.0	-40.7*	30.0
1,2,4-Trichlorobenzene	Ave	1.040	0.7772		37.4	50.0	-25.3	30.0
Naphthalene	Ave	2.606	2.035		39.0	50.0	-21.9	30.0
1,2,3-Trichlorobenzene	Ave	0.9762	0.6873		35.2	50.0	-29.6	30.0
Dibromofluoromethane	Ave	0.4013	0.3722		23.2	25.0	-7.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4823	0.3912		20.3	25.0	-18.9	30.0
Toluene-d8 (Surr)	Ave	1.026	1.015		24.7	25.0	-1.0	30.0
4-Bromofluorobenzene	Ave	0.9923	0.8828		22.2	25.0	-11.0	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14319-1

SDG No.: \_\_\_\_\_

Instrument ID: MSNStart Date: 12/16/2010 19:00Analysis Batch Number: 46343End Date: 12/17/2010 06:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-46343/20		12/16/2010 19:00	1	NB751.D	RTX-VMS 0.18 (mm)
CCVIS 220-46343/1		12/16/2010 21:00	1	N0313.D	RTX-VMS 0.18 (mm)
LCS 220-46343/2		12/16/2010 21:48	1	N0314.D	RTX-VMS 0.18 (mm)
MB 220-46343/3		12/16/2010 22:32	1	N0315.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/16/2010 23:11	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/16/2010 23:38	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 00:05	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 00:32	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 00:59	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 01:26	2		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 01:53	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 02:20	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 03:14	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 03:41	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 04:09	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 04:36	1		RTX-VMS 0.18 (mm)
220-14319-1	ICSBMEX 012	12/17/2010 05:04	1	N0329.D	RTX-VMS 0.18 (mm)
220-14319-2	ICSSWEX 012S	12/17/2010 05:31	1	N0330.D	RTX-VMS 0.18 (mm)
220-14319-4	ICSBMEX 013DOP	12/17/2010 05:57	1	N0331.D	RTX-VMS 0.18 (mm)
220-14319-5	ICSSWEX 013S	12/17/2010 06:25	1	N0332.D	RTX-VMS 0.18 (mm)

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46414/1 Calibration Date: 12/17/2010 10:12  
 Instrument ID: MSO Calib Start Date: 11/03/2010 11:09  
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 11/03/2010 13:16  
 Lab File ID: O1814.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.6670	0.6285		47.1	50.0	-5.8	30.0
Chloromethane	Ave	1.023	1.087	0.1000	53.2	50.0	6.3	30.0
Vinyl chloride	Ave	0.8167	0.8867		54.3	50.0	8.6	20.0
Bromomethane	Lin	0.4433	0.4213		56.7	50.0	13.4	30.0
Chloroethane	Qua	0.3906	0.4604		51.3	50.0	2.6	30.0
Trichlorofluoromethane	Ave	0.7881	0.8921		56.6	50.0	13.2	30.0
Dichlorofluoromethane	Ave	1.145	1.248		54.5	50.0	9.0	30.0
Ethyl ether	Lin	0.4808	0.4377		50.9	50.0	1.7	30.0
Ethanol	Lin	0.0468	0.0419		530	500	6.0	30.0
Isopropyl alcohol	Lin	0.4610	0.4191		52.1	50.0	4.2	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Lin	0.1719	0.1903		54.2	50.0	8.4	30.0
1,1-Dichloroethene	Ave	0.5018	0.5173		51.5	50.0	3.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6034	0.6497		53.8	50.0	7.7	30.0
Carbon disulfide	Ave	2.310	2.126		46.0	50.0	-8.0	30.0
Iodomethane	Lin	0.9073	0.8230		41.7	50.0	-16.6	30.0
Acrolein	Ave	0.3298	0.1306		99.1	250	-60.4*	30.0
3-Chloro-1-propene	Ave	1.279	1.308		51.1	50.0	2.2	30.0
Methylene Chloride	Ave	0.7147	0.7804		54.6	50.0	9.2	30.0
Acetone	Ave	0.3868	0.4353		56.3	50.0	12.5	30.0
Methyl acetate	Ave	1.005	2.489		124	50.0	147.8*	30.0
trans-1,2-Dichloroethene	Ave	0.6128	0.6451		52.6	50.0	5.3	30.0
Methyl tert-butyl ether	Ave	1.780	1.911		53.7	50.0	7.4	30.0
tert-Butyl alcohol	Ave	0.1068	0.1285		301	250	20.3	30.0
Acetonitrile	Ave	0.2627	0.2876		546	499	9.5	30.0
Isopropyl ether	Ave	2.803	2.912		51.9	50.0	3.9	30.0
2-Chloro-1,3-butadiene	Ave	0.5953	0.5575		46.8	50.0	-6.4	30.0
1,1-Dichloroethane	Ave	1.221	1.316	0.1000	53.9	50.0	7.8	30.0
Acrylonitrile	Ave	0.3004	0.3517		117	100	17.1	30.0
Tert-butyl ethyl ether	Ave	2.224	2.403		54.0	50.0	8.0	30.0
Vinyl acetate	Ave	4.517	2.184		24.2	50.0	-51.7*	30.0
cis-1,2-Dichloroethene	Ave	0.6802	0.7272		53.5	50.0	6.9	30.0
2,2-Dichloropropane	Ave	0.8915	0.9912		55.6	50.0	11.2	30.0
Heptane	Ave	1.672	1.276		38.2	50.0	-23.7	30.0
1-Chlorobutane	Ave	1.305	1.323		50.7	50.0	1.4	30.0
Bromochloromethane	Ave	0.3343	0.3567		53.4	50.0	6.7	30.0
Cyclohexane	Ave	0.9484	1.016		53.6	50.0	7.2	30.0
Methyl acrylate	Lin	0.5282	0.4737		49.2	50.0	-1.5	30.0
Chloroform	Ave	1.154	1.214		52.6	50.0	5.2	20.0
Ethyl acetate	Ave	0.8370	0.7083		84.6	100	-15.4	30.0
Carbon tetrachloride	Ave	0.7152	0.8553		59.8	50.0	19.6	30.0

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-14319-1

SDG No.: \_\_\_\_\_

Instrument ID: MSOStart Date: 12/17/2010 09:49Analysis Batch Number: 46414End Date: 12/17/2010 21:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-46414/15		12/17/2010 09:49	1	OB888.D	RTX-VMS 0.18 (mm)
CCVIS 220-46414/1		12/17/2010 10:12	1	O1814.D	RTX-VMS 0.18 (mm)
LCS 220-46414/2		12/17/2010 11:52	1	O1817.D	RTX-VMS 0.18 (mm)
<b>MB 220-46414/3</b>		<b>12/17/2010 12:31</b>	1	O1818.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 14:08	1		RTX-VMS 0.18 (mm)
220-14319-3	ICSBMEX 013	12/17/2010 14:33	1	O1822.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 14:58	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 15:24	1		RTX-VMS 0.18 (mm)
220-14319-3 MS	ICSBMEX 013 MS	12/17/2010 15:49	1	O1825.D	RTX-VMS 0.18 (mm)
220-14319-3 MSD	ICSBMEX 013 MSD	12/17/2010 16:14	1	O1826.D	RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 17:18	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 17:43	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 18:09	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 21:06	1		RTX-VMS 0.18 (mm)
ZZZZZ		12/17/2010 21:31	1		RTX-VMS 0.18 (mm)

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46539/1 Calibration Date: 12/23/2010 07:17  
 Instrument ID: MSC Calib Start Date: 12/21/2010 23:49  
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 12/22/2010 02:23  
 Lab File ID: C21227.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2954	0.2721	0.0500	36.8	40.0	-7.9	30.0
Acenaphthylene	Ave	1.708	1.531	0.0500	35.9	40.0	-10.4	30.0
3-Nitroaniline	Ave	0.3169	0.3092	0.0500	39.0	40.0	-2.4	30.0
Acenaphthene	Ave	1.109	0.9877	0.0500	35.6	40.0	-11.0	20.0
2,4-Dinitrophenol	Ave	0.1664	0.1580	0.0500	38.0	40.0	-5.1	30.0
4-Nitrophenol	Ave	0.1761	0.1659	0.0500	37.7	40.0	-5.8	30.0
Dibenzofuran	Ave	1.506	1.350	0.0500	35.9	40.0	-10.3	30.0
2,4-Dinitrotoluene	Ave	0.3994	0.3801	0.0500	38.1	40.0	-4.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2755	0.2757	0.0500	40.0	40.0	0.0	30.0
Diethyl phthalate	Ave	1.262	1.169	0.0500	37.0	40.0	-7.4	30.0
Fluorene	Ave	1.223	1.108	0.0500	36.2	40.0	-9.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.6134	0.5653	0.0500	36.9	40.0	-7.8	30.0
4-Nitroaniline	Ave	0.3131	0.3246	0.0500	41.5	40.0	3.7	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1405	0.1293	0.0500	36.8	40.0	-7.9	30.0
N-Nitrosodiphenylamine	Ave	0.5149	0.4663	0.0500	36.2	40.0	-9.5	20.0
1,2-Diphenylhydrazine	Ave	0.8215	0.7385	0.0500	36.0	40.0	-10.1	30.0
4-Bromophenyl phenyl ether	Ave	0.1980	0.1807	0.0500	36.5	40.0	-8.7	30.0
Hexachlorobenzene	Ave	0.2042	0.1851	0.0500	36.2	40.0	-9.4	30.0
Simazine	Ave	0.1226	0.1150	0.0500	37.5	40.0	-6.1	30.0
Atrazine	Ave	0.2154	0.2042	0.0500	37.9	40.0	-5.2	30.0
Pentachlorophenol	Ave	0.1085	0.1091	0.0500	40.2	40.0	0.6	20.0
Pentachloronitrobenzene	Ave	0.0845	0.0834	0.0500	39.5	40.0	-1.3	30.0
Phenanthrene	Ave	1.086	0.9666	0.0500	35.6	40.0	-11.0	30.0
Anthracene	Ave	1.116	1.006	0.0500	36.1	40.0	-9.8	30.0
Carbazole	Ave	0.9919	0.9141	0.0500	36.9	40.0	-7.8	30.0
Di-n-butyl phthalate	Ave	1.237	1.179	0.0500	38.1	40.0	-4.7	30.0
Fluoranthene	Ave	1.135	1.062	0.0500	37.4	40.0	-6.5	20.0
Benzidine	Ave	0.1633	0.2253	0.0500	55.2	40.0	37.9*	30.0
Pyrene	Ave	1.393	1.130	0.0500	32.4	40.0	-18.9	30.0
3,3'-Dimethylbenzidine	Ave	0.1605	0.2542	0.0500	63.3	40.0	58.3*	30.0
Butyl benzyl phthalate	Ave	0.5907	0.5317	0.0500	36.0	40.0	-10.0	30.0
3,3'-Dichlorobenzidine	Ave	0.2694	0.2746	0.0500	40.8	40.0	1.9	30.0
Benzo[a]anthracene	Ave	1.083	0.9611	0.0500	35.5	40.0	-11.2	30.0
Chrysene	Ave	1.012	0.8920	0.0500	35.2	40.0	-11.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6929	0.6758	0.0500	39.0	40.0	-2.5	30.0
Di-n-octyl phthalate	Lin	1.464	1.678	0.0500	39.6	40.0	-0.9	20.0
Benzo[b]fluoranthene	Ave	1.277	1.307	0.0500	40.9	40.0	2.4	30.0
Benzo[k]fluoranthene	Ave	1.314	1.313	0.0500	40.0	40.0	-0.0	30.0
Benzo[a]pyrene	Ave	0.9335	0.8794	0.0500	37.7	40.0	-5.8	20.0
Indeno[1,2,3-cd]pyrene	Qua	0.6778	0.4905	0.0500	29.1	40.0	-27.2	30.0
Dibenz(a,h)anthracene	Qua	0.6694	0.4991	0.0500	29.9	40.0	-25.2	30.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 220-46539/1 Calibration Date: 12/23/2010 07:17  
 Instrument ID: MSC Calib Start Date: 12/21/2010 23:49  
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 12/22/2010 02:23  
 Lab File ID: C21227.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua	0.7000	0.5221	0.0500	29.9	40.0	-25.1	30.0
2-Fluorophenol	Ave	1.254	1.159	0.0500	37.0	40.0	-7.6	30.0
Phenol-d5	Ave	1.775	1.611	0.0500	36.3	40.0	-9.3	30.0
Nitrobenzene-d5	Ave	0.3668	0.3428	0.0500	37.4	40.0	-6.5	30.0
2-Fluorobiphenyl	Ave	1.131	0.999	0.0500	35.3	40.0	-11.7	30.0
2,4,6-Tribromophenol	Ave	0.1669	0.1574	0.0500	37.7	40.0	-5.7	30.0
Terphenyl-d14	Ave	0.8800	0.7439	0.0500	33.8	40.0	-15.5	30.0

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
SDG No.: \_\_\_\_\_  
Instrument ID: MSC Start Date: 12/23/2010 07:17  
Analysis Batch Number: 46539 End Date: 12/23/2010 08:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 220-46539/1		12/23/2010 07:17	1	C21227.D	ZB-5MS 0.25 (mm)
DFTPP 220-46539/3		12/23/2010 07:17	1	Cs21227.D	ZB-5MS 0.25 (mm)
220-14319-5	ICSSWEX 013S	12/23/2010 08:26	1	C21229.D	ZB-5MS 0.25 (mm)
zzzzz		12/23/2010 08:56	4		ZB-5MS 0.25 (mm)

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14902.D  
 Lab ID: 220-14319-3 MS Client ID: ICSBMEX 013 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dimethyl phthalate	3280	330 U	2450	75	56-120	
Fluoranthene	3280	330 U	2600	79	57-120	
Fluorene	3280	330 U	2520	77	58-120	
Hexachlorobenzene	3280	330 U	2540	78	56-120	
Hexachlorobutadiene	3280	330 U	2310	71	54-120	
Hexachlorocyclopentadiene	3280	820 U	1160	35	50-120	*
Hexachloroethane	3280	330 U	2170	66	52-120	
Indeno[1,2,3-cd]pyrene	3280	330 U	2390	73	37-120	
Isophorone	3280	330 U	2460	75	55-120	
N-Nitrosodi-n-propylamine	3280	330 U	2510	77	54-120	
N-Nitrosodiphenylamine	3280	330 U	2650	81	59-120	
Naphthalene	3280	56 J	2480	74	55-120	
Nitrobenzene	3280	330 U	2360	72	54-120	
Pentachlorophenol	3280	820 U	2750	84	52-120	
Phenanthrene	3280	330 U	2610	80	58-120	
Phenol	3280	330 U	2370	72	51-120	
Pyrene	3280	330 U	2670	82	54-121	
2,2'-oxybis[1-chloropropane]	3280	330 U	2430	74	51-120	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: A14903.D  
 Lab ID: 220-14319-3 MSD Client ID: ICSBMEX 013 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS		#
			% REC	% RPD	RPD	REC	
Dimethyl phthalate	3290	2420	74	1	40	56-120	
Fluoranthene	3290	2540	77	2	40	57-120	
Fluorene	3290	2550	78	1	40	58-120	
Hexachlorobenzene	3290	2500	76	2	40	56-120	
Hexachlorobutadiene	3290	2280	69	1	40	54-120	
Hexachlorocyclopentadiene	3290	1000	31	14	40	50-120	*
Hexachloroethane	3290	2180	66	1	40	52-120	
Indeno[1,2,3-cd]pyrene	3290	2340	71	2	40	37-120	
Isophorone	3290	2370	72	3	40	55-120	
N-Nitrosodi-n-propylamine	3290	2500	76	1	38	54-120	
N-Nitrosodiphenylamine	3290	2600	79	2	40	59-120	
Naphthalene	3290	2460	73	0	40	55-120	
Nitrobenzene	3290	2300	70	3	40	54-120	
Pentachlorophenol	3290	2580	78	7	47	52-120	
Phenanthrene	3290	2590	79	1	40	58-120	
Phenol	3290	2380	72	0	35	51-120	
Pyrene	3290	2550	78	5	36	54-121	
2,2'-oxybis[1-chloropropane]	3290	2430	74	0	40	51-120	

# Column to be used to flag recovery and RPD values

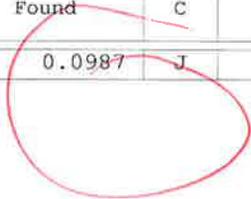
3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-14319-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 220-46498/8 12/22/2010 12:04		CCB 220-46498/20 12/22/2010 12:17		CCB 220-46498/32 12/22/2010 12:30		CCB 220-46498/39 12/22/2010 12:38	
		Found	C	Found	C	Found	C	Found	C
<b>Mercury</b>	0.20	0.20	U	0.20	U	0.0987	J	0.20	U



Italicized analytes were not requested for this sequence.



HW 14359

**URS**

LAB Fast America Ct Lab  
 COOLER 1 of 1  
 PAGE 1 of 1

**CHAIN OF CUSTODY RECORD**

PROJECT NO. 1117693.0000  
 SITE NAME JTHACA Count 5  
 SAMPLERS (PRINT/SIGNATURE) SHAM Conway

DELIVERY SERVICE: FedEx AIRBILL NO.: 8704 4789 437

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
JTHACA	12-14	1:00	6N	JCSBmEx 014	S	3
	12-14	1:05	6N	JCSswEx 014S	S	3
	12-15	1:00	6N	JCSBmEx 015	S	3
	12-15	1:05	6N	JCSswEx 015S	S	3

TESTS

8270c	5cc	62603	Buty	Lead	Mercury
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BOTTLE TYPE AND PRESERVATIVE	REMARKS	DEPTH (IN FEET) BEGINNING	DEPTH (IN FEET) ENDING	FIELD LOT NO. (RPIMS ONLY)
82291		6	6	
1 2		6	6	
1 2		6	6	
1 2		6	6	
1 2		6	6	

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FF# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>SHAM Conway</i>	12-14	4:30	<i>SHAM Conway</i>	12-14	10:50

RELINQUISHED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

GM# 3

52°C

Distribution: Original accompanies shipment, copy to coordinator field files

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.



**Job Narrative**  
**220-14384-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.



## Login Sample Receipt Check List

Client: URS Corporation

Job Number: 220-14410-1

Login Number: 14410

List Source: TestAmerica Connecticut

Creator: Teixeira, Maria L

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	2.3C
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.	False	#4 ON LABELS READ ICSSWEX 018S
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.	False	DID NOT RECEIVED BOTTLE FOR TSS
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

**Job Narrative**  
**220-14410-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The laboratory control sample (LCS) for batch 59999 exceeded control limits for the following analytes:  
Benzo(b)fluoranthene.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 220-14410-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: u64341.d  
 Lab ID: LCS 460-59999/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3330	3010	90	53-94	
2-Methylnaphthalene	3330	3000	90	51-98	
Acenaphthylene	3330	2980	89	51-103	
Acenaphthene	3330	2960	89	46-100	
Fluorene	3330	3280	98	51-108	
Phenanthrene	3330	3160	95	48-108	
Anthracene	3330	3020	91	50-107	
Fluoranthene	3330	3110	93	49-108	
Pyrene	3330	3090	93	49-116	
Benzo[a]anthracene	3330	3180	95	46-112	
Chrysene	3330	3070	92	45-114	
Benzo[b]fluoranthene	3330	3510	105	33-96	*
Benzo[k]fluoranthene	3330	2870	86	35-115	
Benzo[a]pyrene	3330	2850	86	36-89	
Indeno[1,2,3-cd]pyrene	3330	3460	104	43-109	
Dibenz(a,h)anthracene	3330	2950	88	43-107	
Benzo[g,h,i]perylene	3330	2830	85	43-106	

# Column to be used to flag recovery and RPD values

# Organic Prep Worksheet

Batch Number: 460-59999  
 Method: 3541  
 Analyst: Alinea, Archilles R

Date Open: Dec 28 2010 6:13PM  
 Batch End: Dec 28 2010 8:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Position on the SoxTherm	OP_Acid_SU_00013	OP_BN_SU_00014	OP4BNACompnd_0004
MB-460-59999/1		3541, 8270C		15.00 g	1 mL	1	500 uL	500 uL	
LCS-460-59999/2		3541, 8270C		15.00 g	1 mL	2	500 uL	500 uL	500 uL
220-14454-A-2-MS		3541, 8270C	T	15.02 g	1 mL	3	500 uL	500 uL	500 uL
220-14454-A-2-MSD		3541, 8270C	T	15.04 g	1 mL	4	500 uL	500 uL	500 uL
220-14454-A-2			T	15.00 g	1 mL	5	500 uL	500 uL	
220-14410-D-1	ICSBMEX 017	3541, 8270C	T	15.02 g	1 mL	6	500 uL	500 uL	
220-14410-D-2	ICSSWEX 017S	3541, 8270C	T	14.99 g	1 mL	7	500 uL	500 uL	
220-14410-D-3	ICSBMEX 018	3541, 8270C	T	14.97 g	1 mL	8	500 uL	500 uL	
220-14410-D-4	ICSSWEX 018S	3541, 8270C	T	15.00 g	1 mL	9	500 uL	500 uL	
220-14454-A-1			T	15.02 g	1 mL	10	500 uL	500 uL	

Doc-14454

# CHAIN OF CUSTODY RECORD

PROJECT NO. 1176093.0000  
 SITE NAME ITHACA Count st  
 SAMPLERS (PRINT/SIGNATURE) SHAWN Conway

DELIVERY SERVICE: FedEx AIRBILL NO.: 8750 4075 1335



LAB Test America Ct Lab  
 COOLER 1 of 1  
 PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPLMS ONLY)
							Lead	Mercury	8270C 8270C 8270C					
ITHACA	12-21-10	100	6n	IC5BR-EX-019	S	3	80296055	20296055	20296055		6.6	6.6		
↓	12-21-10	105	6n	IC5SW-EX-0195	S	3	1	2	2	↓	6.6	6.6		
↓	<del>12-21-10</del>	<del>100</del>	<del>6n</del>	<del>IC5SW-EX-0195</del>	<del>S</del>	<del>3</del>	1	2	2	↓				

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	WS - SURFACE WATER	WF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	NR# - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)				
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	pm Jackie Tardell					
FEDEX				12/21/10	1320	3.3°C 10#52					

Distribution: Original accompanies shipment, copy to coordinator field files

**Job Narrative**  
**220-14454-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The laboratory control sample (LCS) for batch 59999 exceeded control limits for the following analytes:  
Benzo(b)fluoranthene.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 220-14454-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: u64341.d  
 Lab ID: LCS 460-59999/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3330	3010	90	53-94	
2-Methylnaphthalene	3330	3000	90	51-98	
Acenaphthylene	3330	2980	89	51-103	
Acenaphthene	3330	2960	89	46-100	
Fluorene	3330	3280	98	51-108	
Phenanthrene	3330	3160	95	48-108	
Anthracene	3330	3020	91	50-107	
Fluoranthene	3330	3110	93	49-108	
Pyrene	3330	3090	93	49-116	
Benzo[a]anthracene	3330	3180	95	46-112	
Chrysene	3330	3070	92	45-114	
Benzo[b]fluoranthene	3330	3510	105	33-96	*
Benzo[k]fluoranthene	3330	2870	86	35-115	
Benzo[a]pyrene	3330	2850	86	36-89	
Indeno[1,2,3-cd]pyrene	3330	3460	104	43-109	
Dibenz(a,h)anthracene	3330	2950	88	43-107	
Benzo[g,h,i]perylene	3330	2830	85	43-106	

# Column to be used to flag recovery and RPD values

# Organic Prep Worksheet

Batch Number: 460-59999  
 Method: 3541  
 Analyst: Alinea, Archilles R

Date Open: Dec 28 2010 6:13PM  
 Batch End: Dec 28 2010 8:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Position on the SoxTherm	OP_Acid_SU_00013	OP_BN_SU_00014	OP4BNAComphnd_0004
MB-460-59999/1		3541, 8270C		15.00 g	1 mL	1	500 uL	500 uL	
LCS-460-59999/2		3541, 8270C		15.00 g	1 mL	2	500 uL	500 uL	500 uL
220-14454-A-2-MS	ICSSWEX019S	3541, 8270C	T	15.02 g	1 mL	3	500 uL	500 uL	500 uL
220-14454-A-2-MSD	ICSSWEX019S	3541, 8270C	T	15.04 g	1 mL	4	500 uL	500 uL	500 uL
220-14454-A-2	ICSSWEX019S	3541, 8270C	T	15.00 g	1 mL	5	500 uL	500 uL	500 uL
220-14410-D-1			T	15.02 g	1 mL	6	500 uL	500 uL	
220-14410-D-2			T	14.99 g	1 mL	7	500 uL	500 uL	
220-14410-D-3			T	14.97 g	1 mL	8	500 uL	500 uL	
220-14410-D-4			T	15.00 g	1 mL	9	500 uL	500 uL	
220-14454-A-1	ICSBMEX019	3541, 8270C	T	15.02 g	1 mL	10	500 uL	500 uL	

AIR 50 4-1° 250- 1/14/62

# CHAIN OF CUSTODY RECORD



LAB Test America NY Lab  
 COOLER 1 of 7  
 PAGE 1 of 1

PROJECT NO. 11176093.00000  
 SITE NAME ITHACA Court St

SAMPLERS (PRINT/SIGNATURE) Shawn Conroy  
 8750 4075 1346

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS	
Lead	Mercury
Bty	
88608	
5000	
88700	

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMPI/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO# (RPMIS ONLY)
ITHACA	12-28-10	1:30	on	IcSbnEx 0057A S	S	3	CAT B	S	80	80	
↓	12-28-10	1:35	on	IcSSwEx 0057M S	S	3	CAT B	S	80	80	

MATRIX CODES: AA - AMBIENT AIR, SE - SEDIMENT, SH - HAZARDOUS SOLID WASTE, WL - LEACHATE, GS - SOIL GAS, WC - DRILLING WATER, WO - OCEAN WATER, WS - SURFACE WATER, WQ - WATER FIELD QC, LH - HAZARDOUS LIQUID WASTE, LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK, SO# - MATRIX SPIKE DUPLICATE, RB# - RINSE BLANK, FR# - FIELD REPLICATE, N# - NORMAL ENVIRONMENTAL SAMPLE, MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	12-28-10	1:30	FedEx		
<i>[Signature]</i>				12-28-10	12:20

SPECIAL INSTRUCTIONS  
 per Jackie Tandill  
 RUSH ASAP

Distribution: Original accompanies shipment, copy to coordinator field files

**Job Narrative**  
**220-14462-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following samples were diluted due to the abundance of target and non-target analytes: ICSBMEX005 (220-14462-1), ICSSWEX005N (220-14462-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike (MS) recovery of Benzene for batch 60544 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 60330 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 220-14462-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-60696/2 Calibration Date: 01/04/2011 10:05  
 Instrument ID: BNAMS4 Calib Start Date: 12/30/2010 11:25  
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 12/30/2010 13:33  
 Lab File ID: u64472.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbamazepine	Ave	0.4670	0.4526		48500	50000	-3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4121	0.3923		47600	50000	-4.8	20.0
Benzo[a]anthracene	Ave	1.065	1.016		47700	50000	-4.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9699	0.8880		45800	50000	-8.4	20.0
Chrysene	Ave	0.8573	0.7782		45400	50000	-9.2	20.0
Di-n-octyl phthalate	Ave	2.258	1.867		41300	50000	-17.3	20.0
Benzo[b]fluoranthene	Ave	1.240	1.204		48500	50000	-2.9	20.0
Benzo[k]fluoranthene	Ave	1.295	1.215		46900	50000	-6.2	20.0
Benzo[a]pyrene	Ave	1.039	1.095		52700	50000	5.3	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.7934	1.044		59700	50000	19.3	20.0
Dibenz(a,h)anthracene	QuaF	0.6910	0.9203		60400	50000	20.8*	20.0
Benzo[g,h,i]perylene	QuaF	0.7974	1.010		60800	50000	21.5*	20.0
2-Fluorophenol	Ave	1.442	1.507		52200	50000	4.5	20.0
Phenol-d5	Ave	1.924	2.282		59300	50000	18.6	20.0
Nitrobenzene-d5	Ave	0.4223	0.4236		50200	50000	0.3	20.0
2-Fluorobiphenyl	Ave	1.161	1.159		49900	50000	-0.2	20.0
2,4,6-Tribromophenol	Ave	0.1572	0.1608		51200	50000	2.3	20.0
Terphenyl-d14	Ave	0.9536	0.9218		48300	50000	-3.3	20.0

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 220-14462-1

SDG No.:

Instrument ID: BNAMS4Start Date: 01/04/2011 09:37Analysis Batch Number: 60696End Date: 01/04/2011 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 460-60696/1		01/04/2011 09:37	1	u64471.d	Rtx-5MS 0.25 (mm)
CCVIS 460-60696/2		01/04/2011 10:05	1	u64472.d	Rtx-5MS 0.25 (mm)
MB 460-60330/1-A		01/04/2011 10:39	1	u64473.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:25	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:49	1		Rtx-5MS 0.25 (mm)
LCS 460-60330/2-A		01/04/2011 12:16	1	u64477.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 12:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:27	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:50	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:14	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:37	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:00	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:24	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:47	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:11	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:34	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:57	1		Rtx-5MS 0.25 (mm)
220-14463-B-1-B MS		01/04/2011 17:21	1	u64490.d	Rtx-5MS 0.25 (mm)
220-14463-B-1-C MSD		01/04/2011 17:44	1	u64491.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:08	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:31	2		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:54	20		Rtx-5MS 0.25 (mm)
220-14462-1	ICSBMEX005A	01/04/2011 19:18	5	u64495.d	Rtx-5MS 0.25 (mm)
220-14462-2	ICSSWEX005N	01/04/2011 19:41	1	u64496.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 20:28	1		Rtx-5MS 0.25 (mm)

# 12 50 3.90 200-14463



LAB TestAmerica Edison NJ  
 COOLER 1 of 1  
 PAGE 1 of 1

TESTS	
Mercury	
Lead	
As	
82608	
5000	
82700	

**CHAIN OF CUSTODY RECORD**

PROJECT NO. 1176093 00000  
 SAMPERS (PRINT/SIGNATURE) SHAWN CONWAY  
 SITE NAME ITHACA Count St  
 AIRBILL NO.: 8750 4075 1368

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	BOTTLE TYPE AND PRESERVATIVE		REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPIMS ONLY)
ITHACA Count	12-27-10	1:30	6A	TESSEX007A 5	5	4	20257		Cat B	S	9.6	9.6	
↓							40296		Cat B	S	9.6	9.6	
ITHACA	12-27-10	1:35	6A	TESSEX007A 5	5	4			Cat B	S	9.6	9.6	

MATRIX CODES	SAMPLE TYPE CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
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RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<u>Shawn Conway</u>	12-27-10	4:30	<u>FedEx</u>			<u>Jackie Tardell</u>
<u>FedEx</u>			<u>William</u>	12-29-10	12:40	<u>Rush ASAP!</u>

Distribution: Original accompanies shipment, copy to coordinator field files

**Job Narrative**  
**220-14463-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of target and non-target analytes: ICSSWEX007N (220-14463-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 60330 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-60696/2 Calibration Date: 01/04/2011 10:05  
 Instrument ID: BNAMS4 Calib Start Date: 12/30/2010 11:25  
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 12/30/2010 13:33  
 Lab File ID: u64472.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbamazepine	Ave	0.4670	0.4526		48500	50000	-3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4121	0.3923		47600	50000	-4.8	20.0
Benzo[a]anthracene	Ave	1.065	1.016		47700	50000	-4.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9699	0.8880		45800	50000	-8.4	20.0
Chrysene	Ave	0.8573	0.7782		45400	50000	-9.2	20.0
Di-n-octyl phthalate	Ave	2.258	1.867		41300	50000	-17.3	20.0
Benzo[b]fluoranthene	Ave	1.240	1.204		48500	50000	-2.9	20.0
Benzo[k]fluoranthene	Ave	1.295	1.215		46900	50000	-6.2	20.0
Benzo[a]pyrene	Ave	1.039	1.095		52700	50000	5.3	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.7934	1.044		59700	50000	19.3	20.0
Dibenz(a,h)anthracene	QuaF	0.6910	0.9203		60400	50000	20.8*	20.0
Benzo[g,h,i]perylene	QuaF	0.7974	1.010		60800	50000	21.5*	20.0
2-Fluorophenol	Ave	1.442	1.507		52200	50000	4.5	20.0
Phenol-d5	Ave	1.924	2.282		59300	50000	18.6	20.0
Nitrobenzene-d5	Ave	0.4223	0.4236		50200	50000	0.3	20.0
2-Fluorobiphenyl	Ave	1.161	1.159		49900	50000	-0.2	20.0
2,4,6-Tribromophenol	Ave	0.1572	0.1608		51200	50000	2.3	20.0
Terphenyl-d14	Ave	0.9536	0.9218		48300	50000	-3.3	20.0

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 220-14463-1  
 SDG No.: \_\_\_\_\_  
 Instrument ID: BNAMS4 Start Date: 01/04/2011 09:37  
 Analysis Batch Number: 60696 End Date: 01/04/2011 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-60696/1		01/04/2011 09:37	1	u64471.d	Rtx-5MS 0.25 (mm)
CCVIS 460-60696/2		01/04/2011 10:05	1	u64472.d	Rtx-5MS 0.25 (mm)
MB 460-60330/1-A		01/04/2011 10:39	1	u64473.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:25	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:49	1		Rtx-5MS 0.25 (mm)
LCS 460-60330/2-A		01/04/2011 12:16	1	u64477.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 12:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:27	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:50	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:14	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:37	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:00	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:24	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:47	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:11	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:34	1		Rtx-5MS 0.25 (mm)
220-14463-1	ICSBMEX007A	01/04/2011 16:57	1	u64489.d	Rtx-5MS 0.25 (mm)
220-14463-1 MS	ICSBMEX007A MS	01/04/2011 17:21	1	u64490.d	Rtx-5MS 0.25 (mm)
220-14463-1 MSD	ICSBMEX007A MSD	01/04/2011 17:44	1	u64491.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:08	1		Rtx-5MS 0.25 (mm)
220-14463-2	ICSSWEX007N	01/04/2011 18:31	2	u64493.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:54	20		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 19:18	5		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 19:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 20:28	1		Rtx-5MS 0.25 (mm)

820-14471

# CHAIN OF CUSTODY RECORD

PROJECT NO. 117693 00000  
 SITE NAME ITHACA COURT ST  
 SAMPLERS (PRINT/SIGNATURE) SHAN CURRY *Shan Curry*



LAB Test America NJ Lab  
 COOLER 1 of 1  
 PAGE 1 of 1

DELIVERY SERVICE: AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMPI GRAB	SAMPLE ID	MATRIX
ITHACAM	12-24	1:30	6r	IcsBmEx010A S	S
I	12-24	1:35	6r	IcsBmEx010M S	S

TOTAL NO. OF CONTAINERS

80296	3
70296	3

TESTS

8270c	5000	8260B	84x	Lead	Mercury
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BOTTLE TYPE AND PRESERVATIVE

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO# (RPMs ONLY)
CAT B	S	8.0	8.0	
CAT B	S	8.0	8.0	

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD CC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)											

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>Shan Curry</i>	12-24-10	4:30	<i>Jackie Trudell</i>		
	12/24/10	1:45			

SPECIAL INSTRUCTIONS  
 pm Jackie Trudell  
 RUSH ASAP

Distribution: Original accompanies shipment, copy to coordinator field files

*2.6.10*

**Job Narrative**  
**220-14471-1**

**Comments**

No additional comments.

**Receipt**

Client sent e-mail 1/3/2011 to make the following ID changes:

220-14471-1 Change ID to IC SBMEX010A

220-14471-2 Change ID to ICSSWEX010AN

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

**GC/MS VOA**

Method(s) 8260B: The following sample was diluted due to the abundance of target and non-target analytes: ICSSWEX010AN (220-14471-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 60330 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The following sample(s) was diluted due to abundance of target analytes: ICSSWEX010AN (220-14471-2). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

**VOA Prep**

No analytical or quality issues were noted.

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 220-14471-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-60696/2 Calibration Date: 01/04/2011 10:05  
 Instrument ID: BNAMS4 Calib Start Date: 12/30/2010 11:25  
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 12/30/2010 13:33  
 Lab File ID: u64472.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbamazepine	Ave	0.4670	0.4526		48500	50000	-3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4121	0.3923		47600	50000	-4.8	20.0
Benzo[a]anthracene	Ave	1.065	1.016		47700	50000	-4.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9699	0.8880		45800	50000	-8.4	20.0
Chrysene	Ave	0.8573	0.7782		45400	50000	-9.2	20.0
Di-n-octyl phthalate	Ave	2.258	1.867		41300	50000	-17.3	20.0
Benzo[b]fluoranthene	Ave	1.240	1.204		48500	50000	-2.9	20.0
Benzo[k]fluoranthene	Ave	1.295	1.215		46900	50000	-6.2	20.0
Benzo[a]pyrene	Ave	1.039	1.095		52700	50000	5.3	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.7934	1.044		59700	50000	19.3	20.0
Dibenz(a,h)anthracene	QuaF	0.6910	0.9203		60400	50000	20.8*	20.0
Benzo[g,h,i]perylene	QuaF	0.7974	1.010		60800	50000	21.5*	20.0
2-Fluorophenol	Ave	1.442	1.507		52200	50000	4.5	20.0
Phenol-d5	Ave	1.924	2.282		59300	50000	18.6	20.0
Nitrobenzene-d5	Ave	0.4223	0.4236		50200	50000	0.3	20.0
2-Fluorobiphenyl	Ave	1.161	1.159		49900	50000	-0.2	20.0
2,4,6-Tribromophenol	Ave	0.1572	0.1608		51200	50000	2.3	20.0
Terphenyl-d14	Ave	0.9536	0.9218		48300	50000	-3.3	20.0

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 220-14471-1

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS4Start Date: 01/04/2011 09:37Analysis Batch Number: 60696End Date: 01/04/2011 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-60696/1		01/04/2011 09:37	1	u64471.d	Rtx-5MS 0.25 (mm)
CCVIS 460-60696/2		01/04/2011 10:05	1	u64472.d	Rtx-5MS 0.25 (mm)
MB 460-60330/1-A		01/04/2011 10:39	1	u64473.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:25	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 11:49	1		Rtx-5MS 0.25 (mm)
LCS 460-60330/2-A		01/04/2011 12:16	1	u64477.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 12:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:27	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 13:50	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:14	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 14:37	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:00	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:24	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 15:47	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:11	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:34	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 16:57	1		Rtx-5MS 0.25 (mm)
220-14463-B-1-B MS		01/04/2011 17:21	1	u64490.d	Rtx-5MS 0.25 (mm)
220-14463-B-1-C MSD		01/04/2011 17:44	1	u64491.d	Rtx-5MS 0.25 (mm)
220-14471-1	ICSBMEX010A	01/04/2011 18:08	1	u64492.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 18:31	2		Rtx-5MS 0.25 (mm)
220-14471-2 DL	ICSSWEX010AN DL	01/04/2011 18:54	20	u64494.d	Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 19:18	5		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 19:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		01/04/2011 20:28	1		Rtx-5MS 0.25 (mm)