



**Department of  
Environmental  
Conservation**

COLLEGE POINT 3

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SOIL VAPOR INTRUSION DATA SUMMARY REPORT  
2014/2015 HEATING SEASON

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WORK ASSIGNMENT D007622-10.1

COLLEGE POINT 3 SITE  
COLLEGE POINT

SITE NO. 241122  
QUEENS COUNTY, NY

Prepared for:  
NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
625 Broadway, Albany, New York

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June 2015

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2014/2015 HEATING SEASON  
FOR THE  
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SITE ID NO. 241122  
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**FINAL  
JUNE 2015**

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## LIST OF ACRONYMS AND ABBREVIATIONS

1,1,1-TCA	1,1,1-trichloroethane
1,1-DCE	1,1-dichloroethene, aka 1,1-dichloroethylene
aka	also known as
amsl	above mean sea level
ASP	Analytical Services Protocol
AST	above ground storage tank
bgs	below ground surface
C&D	construction and demolition
cis-1,2-DCE	cis-1,2-dichloroethene, aka cis-1,2-dichloroethylene
COC	chain-of-custody
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
ft./ft.	foot per foot
in. Hg	inches of mercury
IRWA	Immediate Response Work Assignment
L/min	liters per minute
LNAPL	light non-aqueous phase liquid
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCBs	polychlorinated biphenyls
PCE	perchloroethene, aka tetrachloroethene or tetrachloroethylene or perchloroethylene
PID	photoionization detector
ppb	part-per-billion
RI	Remedial Investigation
SVI	soil vapor intrusion
TCE	trichloroethene, aka trichloroethylene
TestAmerica	TestAmerica Analytical Laboratory
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
URS	URS Corporation
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VCP	Voluntary Clean-up Program
VOCs	volatile organic compounds

## **1.0 INTRODUCTION**

This Data Summary Report has been prepared to summarize the field activities and analytical results associated with the 2014/2015 heating season soil vapor intrusion (SVI) sampling performed by URS Corporation (URS) at the College Point 3 Site (Site ID No. 241122) in the College Point section of Queens County, New York (Figure 1). This report presents data and information from the 2014/2015 heating season SVI sampling for volatile organic compounds (VOCs) and methane, which was conducted from February 16, 2015 to February 27, 2015.

### **1.1 Site Description and History**

#### **1.1.1 Site Background**

The Site is located on land that was reclaimed from the East River via unregulated landfilling prior to 1970. The landfill consists of sand, silt, and clay mixed with varying amounts of construction and demolition (C&D) debris as well as industrial waste. Investigations on the College Point Properties Voluntary Clean-up Program (VCP) site V00254, located immediately to the west of the Site, identified the presence of floating oil or light non-aqueous phase liquid (LNAPL) along its eastern site boundary, which is shared with the Riverview Condominiums. The LNAPL was found to contain polychlorinated biphenyls (PCBs). As part of the VCP remediation at the College Point Properties VCP site, a subsurface barrier wall was installed in 2007 to prevent any migration of LNAPL from the adjacent property. The New York State Department of Environmental Conservation (NYSDEC) assigned an Immediate Response Work Assignment (IRWA) to URS in 2007 to determine if the PCB contaminated LNAPL was present beneath the Riverview Condominiums property to the east. Based on this IRWA, the College Point 3 site (Site No. 241122) was created.

#### **1.1.2 Site Location and Description**

The Site is located in an urban/residential area of the College Point section of Queens adjacent to the East River (Figure 1). The Site consists of a 0.24-acre grassy parcel of land within the Riverview Condominium complex between several condominiums. The area of investigation was expanded to include more of the Riverview Condominium properties. The area of investigation is bounded by the East River to the north, Capstan Court/121<sup>st</sup> Street to the east, Ketch Court to the south, and the College Point Properties VCP site to the west, as delineated on Figure 2.

The Site is a mix of 2 to 3 story condominium buildings, pavement and grassy areas. Grassy areas are found between the condominium buildings and between the condominium buildings located on the north side Rivera Court and the East River.

### **1.1.3 Surface Features**

The topography of the Site area generally slopes gently downward to the north along Capstan Court/ 121<sup>st</sup> Street to where it intersects with Riviera Court. From there the ground surface slightly rises to the north property line at the East River. The topography along Riviera Court slopes to the east towards Capstan Court. Landscaped vegetative cover (e.g., area of grass, trees, or other vegetation) is located north of the residences, along the East River riverbank and in courtyards between the buildings. The area north of the condominiums rises in elevation to the north property line at the East River. The courtyard area between the buildings is relatively flat.

### **1.1.4 Site Geology**

The Site, and the properties located to the east and west of the Site were reclaimed from the East River via unregulated filling. All properties are located upon the same unregulated landfill. To date, 54 borings were advanced at the Site to depths ranging from 15.5 to 34 feet below ground surface (bgs). A total of 68 geotechnical soil borings on the adjacent property (Powell Cove Estates) to the east were advanced down to approximately 87 feet bgs during a Remedial Investigation (RI) performed on the Powell Cove Estates property (Dresdner Robins, April 2006). The topography of the Site varies from approximately 16 to 27 feet above mean sea level (amsl). Based upon subsurface data obtained during this and previous investigations, only the upper glacial aquifer has been penetrated. The following textural units have been found in the upper glacial aquifer from the surface downward: an urban fill unit and stratified mixtures of sands, silts and clays (URS, June 2013).

The urban fill unit thickness on-site varies from approximately 12 feet to greater than 32 feet thick and consists of a heterogeneous mixture of sand, silt, clay and varying amounts of C&D debris (i.e., bricks, concrete, coal, slag, asphalt, metal, wire, foam, wood, etc.) and has been found at all boring locations. Industrial waste (e.g., plastic containers, melted plastic) were also found at test trenches excavated during previous investigations of the landfill. The plastic was actually found off-site at Powell's Cove Estates. The urban fill unit thickness increased moving northward from 12 feet thick which is near the pre filling shoreline to greater than 32 feet thick. Geotechnical soil borings performed on the property to the east of the Site indicated that the fill material on that property ranged from six to 43 feet bgs (URS, June 2013).

Petroleum, in the form of a sheen, oil blobs, and/or LNAPL was detected in 44 of the 54 soil borings advanced on the site. Tar-like substances were found in borings located near the west end of Cove Court and on each side of Capstan Court near the intersection of Cove Court/Powell Cove Boulevard (URS, June 2013). In 2007, URS observed the following items being uncovered during construction activities on the property west of the site: discarded above ground storage tanks (ASTs), underground storage tanks (USTs), oil/water separators, and a drum containing an oil-like substance (URS, June 2013). Given the undocumented nature of the landfilling at the Site, it is possible that some of these items may be present beneath the Site in the urban fill material since they were excavated from areas adjacent to the western border of the remedial investigation area.

Native soils, consisting of stratified mixtures of sand, silts and clays were encountered at depths ranging from 12 feet bgs to 33 feet bgs. Native soils were also encountered in borings on the adjacent property to the east at depths ranging from 6 to 43 feet bgs (Dresdner Robins, April 2006). No native material was found at the surface of any borings or excavations, either on the Site, or on the properties located to the east and west of the Site.

#### **1.1.5 Groundwater Levels and Hydrogeology**

The primary hydrogeologic unit identified beneath the investigation area is the upper glacial aquifer. The water table surface may be found between approximately 9 and 21 feet bgs depending on the well location and was primarily found in the urban fill unit. LNAPL was measured in several monitoring wells with a thickness ranging between 0.04 to 3.45 feet. The groundwater flow in the shallow overburden is semi-radial from the center of Capstan Court/ 121<sup>st</sup> Street to the north, west and south. Horizontal hydraulic gradients range from 0.0006 to 0.0484 foot per foot (ft./ft.) (URS, June 2013).

## 2.0 FIELD INVESTIGATION ACTIVITIES

The 2014/2015 heating season SVI sampling was conducted from February 16 through February 27, 2015. The activities conducted during the SVI sampling event consisted of community outreach, fieldwork and report. The outreach and fieldwork for this task included the following activities:

- The NYSDEC and New York State Department of Health (NYSDOH) notified condominium owners and/or residents of the SVI investigation by mail with assistance from the Condominium Association Boards.
- URS searched on-line for telephone numbers of owners from the initial list provided by the NYSDEC.
- URS contacted owners and/or tenants in the outreach area by telephone prior to and throughout the field investigation to determine interest in participating in the SVI sampling program. The phone outreach started after the notification letters were mailed.
- URS and NYSDEC representatives canvassed the outreach area by going door-to-door to identify potential participants for the SVI sampling program. Tenants were requested to provide URS with the condominium unit owner contact information. Sampling was only performed with the condominium unit owner's approval.
- URS and the NYSDEC scheduled appointments for indoor air sampling with the participating owner or tenants.
- URS conducted interviews with owners/tenants and completed NYSDEC's *Structure Sampling Questionnaire and Building Inventory* forms.
- Sampling was conducted following the procedures described in *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Final*, (NYSDOH, October 2006). Each unit investigated consisted of an indoor air sample from the lowest level and a subslab soil vapor sample.
- An outdoor air sample was collected at the rate of one per sampling day.
- All indoor air, outdoor air, and subslab soil vapor samples were analyzed for VOCs following United States Environmental Protection Agency (USEPA) *Compendium Method TO-15, Determination of VOCs in Air Collected in Specially Prepared Canisters and*

Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS) (USEPA, January 1999) and methane by Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen From Stationary Sources (CFR, June 1996). All VOCs were reported in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Trichloroethene, carbon tetrachloride and vinyl chloride in all indoor and outdoor air samples were analyzed to a minimum detection limit of  $0.25 \mu\text{g}/\text{m}^3$ . The reporting limit for methane is 0.04%.

- URS also used a GEM 2000 Plus Gas Analyzer to provide field measurements of the subslab soil vapor for methane, carbon dioxide and oxygen.
- URS conducted an inventory of chemicals present in each residence and evaluated their potential to affect air sample results using a RAE Systems ppbRAE 3000 part-per-billion (ppb) range photoionization detector (PID).
- Field duplicate samples were collected as follows:
  - H-12-AI (FD-022415-01);
  - H-12-SS (FD-022415-02);
  - H-12-OA (FD-022415-03);
  - H-21-AI (FD-022715-02);
  - H-21-SS (FD-022715-01); and
  - H-21 OA (FD-022715-03).

Four locations (H-01, H-02, H-03 and H-04) were previously sampled in the 2007/2008 heating season SVI Investigation performed by Earth Tech Northeast, Inc. for the NYSDEC. For continuity, URS continued with the numbering system, starting with H-05 for new locations. Of the four locations sampled during the 2007/2008 heating season, only H-01 was resampled during the 2014/2015 heating season sampling event.

## **2.1 Structure Sampling Questionnaire and Building Inventory**

URS interviewed a resident of each condo and completed a *Structure Sampling Questionnaire and Building Inventory* form. As part of the interview process URS personnel also conducted and completed an inventory of chemicals found in each unit. A ppb PID was used to screen the indoor air and identify potential sources of VOCs from chemicals prior to collecting the air samples. PID readings were obtained for each individual container by placing the PID as close to

the cap or nozzle as possible without touching or opening the container. The PID was also used to survey potential entry points such as cracks in the concrete slab.

### **2.1.1 Indoor Air and Outdoor Air Sampling**

URS selected the indoor air sampling locations in consultation with the owner/tenant. Where possible, the indoor air locations were placed in a central area of the room in the breathing zone (approximately three feet above the floor). An outdoor air sample (one per day) was set up within the unit's patio area.

The indoor air and outdoor air samples were collected using batch certified clean laboratory evacuated 6-liter Summa<sup>®</sup> canisters with 24 hour laboratory calibrated flow regulators. The regulators were calibrated at the flow rate of approximately 0.004 liters per minute (L/min). Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded. After the 24 hour sampling period, the canister vacuum was recorded and the valve was then closed.

The indoor air canister from location H-07 (H-07-AI) registered zero (0) inches of mercury (in. Hg) on February 18, 2015, after the 24 hour sample collection period. The indoor air sample was recollected on February 25-26, 2015 [H-07-AI(R)].

### **2.1.2 Subslab Soil Vapor Sampling**

URS selected the subslab soil vapor sampling locations in consultation with the owner/tenant. The locations were selected in areas without subsurface utilities, based on the owner/tenant knowledge and visual observations. At the subslab sample locations, an electric hammer drill was used to advance a 3/8-inch diameter hole through the concrete slab. The concrete slab was determined to be penetrated when no resistance was encountered. The drill bit was then advanced several more inches into the underlying material. Upon removing the drill bit, the hole was immediately blocked and the spoils were examined for wetness. All debris was removed using a hand brush to prevent it from re-entering the hole after unblocking. The subslab samples were collected using approximately 3 feet of a 1/8-inch inside diameter by 1/4-inch outside diameter Teflon tubing which was inserted through the hole in the slab. The tubing was sealed to the floor with a rubber stopper and/or modeling clay.

A helium tracer gas was utilized during the sampling of each subslab soil vapor location. The tracer gas was used to evaluate whether indoor (ambient) air was short circuiting into the sample collection tubing. To perform the test, a one quart plastic enclosure was placed over the sealed subslab sample location. The sample tubing was run through a hole in the enclosure and a silicone gasket was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with a foam gasket. A tank containing ultra high purity helium [99.999 percent (%)] was connected to the side port of the enclosure and enough helium was released to displace any ambient air and to maintain a positive pressure within the enclosure. Following the application of the tracer gas, one liter of soil vapor was purged using a Gillian GilAir-3 air sample pump at a rate of approximately 0.02 L/min and collected into a 1-liter Tedlar bag.

The contents of the Tedlar bag were measured for helium using a Radiodetection/Dielectric MGD-2002 Multi-gas Detector and for VOCs with a PID. If the helium concentration was less than 10%, the enclosure was removed and the tubing was connected to the Summa<sup>®</sup> canister via the flow controller and sampling commenced. If the concentration of helium exceeded 10%, the clay seal between the sample tubing and the concrete slab was redone and the seal was retested. After the subslab sample locations passed the helium test, the sample collection was initiated. The contents of the Tedlar bag were also measured using a GEM 2000 Plus Gas Analyzer to provide field measurements of the subslab soil vapor for methane, carbon dioxide and oxygen. The measurements can be found in Table 1. The purged soil vapor remaining in the Tedlar bag was subsequently discharged outdoors.

The subslab samples were collected over a 24-hour period using batch certified 6-liter Summa<sup>®</sup> canisters equipped with flow controller valves pre-calibrated at the laboratory (i.e., calibrated at the flow rate of approximately 0.004 L/min). Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded. After the 24 hour sampling period, the canister vacuum was recorded and the valve was then closed. The tubing was removed and the subslab sample point was then filled to grade with hydraulic cement.



## **2.2 Sample Analysis**

All air samples were shipped via Federal Express by URS under chain-of-custody (COC) to the URS subcontracted laboratory, TestAmerica Laboratories, Inc. (TestAmerica), located in Burlington, VT and analyzed for the VOCs listed in Table 2 and methane. TestAmerica is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory for the analysis of VOCs by USEPA Method TO-15. There is no ELAP certification for methane in air.

### **3.0 RESULTS OF THE INVESTIGATION**

#### **3.1 Data Validation and Data Usability Summary Report**

The data packages submitted by the laboratory were equivalent to the NYSDEC's Analytical Services Protocol (ASP) Category B Deliverable requirements. A Data Usability Summary Report (DUSR) was prepared following the guidelines provided in Department 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). The complete validated analytical results and Form 1s are provided in the DUSR (Appendix A).

#### **3.2 Soil Vapor Intrusion Investigation Sampling Results**

A summary of detected VOCs in the 2014/2015 Heating Season SVI samples collected from 19 locations is presented in Table 3. In order to protect confidentiality, the locations of the detected results were placed randomly on Figure 3 and are not representative of where the samples were collected. Methane was not detected in any of the indoor air, subslab soil vapor or outdoor air samples, therefore it is not listed on Table 3 or shown on Figure 3. The indoor air canister from location H-07 (H-07-AI) registered zero (0) in. Hg after the 24 hour sample collection period, therefore the sample was recollected [H-07-AI(R)]. Both H-07 indoor air samples were analyzed and the results for both analyses are reported in Table 3. At locations where a sample and a field duplicate or resample are collected, the higher value is used for the evaluation of soil vapor intrusion and only the higher value is shown on Figure 3.

Not all of the compounds summarized below are addressed by the current NYSDOH guidance action matrices or indoor air guidelines (NYSDOH, 2006, revised in 2013). A copy of the NYSDOH Soil Vapor/Indoor Air Decision Matrices is provided in Appendix B. NYSDOH Air Guidelines are provided in Appendix C.

Per the NYSDOH, the matrix is used to evaluate the following compounds:

- Matrix 1 – trichloroethene (TCE), carbon tetrachloride and vinyl chloride; and
- Matrix 2 – 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE) and 1,1-dichloroethene (1,1-DCE).

The VOCs listed in The NYSDOH Air Guidelines include only TCE, PCE and methylene chloride.

TCE was detected in one indoor air sample location, H-12 at 0.85  $\mu\text{g}/\text{m}^3$ . TCE was detected in 9 of the 19 subslab soil vapor sample locations at concentrations ranging between 6.9  $\mu\text{g}/\text{m}^3$  (H-09) and 0.68  $\mu\text{g}/\text{m}^3$  (H-08). TCE was not detected in any outdoor air samples. Of all samples, only subslab soil vapor sample H-09 exceeded the NYSDOH Air Guideline of 5  $\mu\text{g}/\text{m}^3$ .

Carbon tetrachloride was detected in 16 of the 19 indoor air locations sampled, at concentrations ranging from 0.95  $\mu\text{g}/\text{m}^3$  (H-10) to 0.31  $\mu\text{g}/\text{m}^3$  (H-12) and in 15 of the 19 subslab soil vapor sample locations at concentrations ranging from 0.65  $\mu\text{g}/\text{m}^3$  (H-10) to 0.31  $\mu\text{g}/\text{m}^3$  (H-16). Carbon tetrachloride was detected in all 6 outdoor air sample locations at concentrations ranging from 0.50  $\mu\text{g}/\text{m}^3$  (H-08) to 0.32  $\mu\text{g}/\text{m}^3$  (H-12).

1,1,1-TCA was detected in one indoor air sample location (H-06) at 1.7  $\mu\text{g}/\text{m}^3$ . It was detected in 3 of the 19 subslab soil vapor sample locations at concentrations of 150  $\mu\text{g}/\text{m}^3$  (H-15), 3.1  $\mu\text{g}/\text{m}^3$  (H-06) and 2.0  $\mu\text{g}/\text{m}^3$  (H-16). It was not detected in any outdoor air samples.

PCE was detected in two indoor air samples, H-10 (2.4  $\mu\text{g}/\text{m}^3$ ) and H-18 (2.3  $\mu\text{g}/\text{m}^3$ ). PCE was detected in 8 of the 19 subslab soil vapor sample locations at concentrations between 17  $\mu\text{g}/\text{m}^3$  (H-01) and 1.5  $\mu\text{g}/\text{m}^3$  (H-20). PCE was not detected in any outdoor air samples. All PCE detections were below the NYSDOH Air Guideline of 30  $\mu\text{g}/\text{m}^3$ .

Vinyl chloride, cis-1,2-DCE and 1,1-DCE were not detected in any of the indoor air, subslab soil vapor or outdoor air samples.

Several other VOCs were also detected in the SVI samples collected at the site. Of note were the following:

- Benzene – Benzene was detected in every indoor air sample location with concentrations ranging from 2.8  $\mu\text{g}/\text{m}^3$  (H-08) to 0.69  $\mu\text{g}/\text{m}^3$  (H-22). Benzene was detected in 11 of the 19 subslab soil vapor sample locations at concentrations between 1.1  $\mu\text{g}/\text{m}^3$  (H-17) and 0.65  $\mu\text{g}/\text{m}^3$  (H-19). Benzene was detected in every outdoor air sample location at concentrations ranging from 1.1  $\mu\text{g}/\text{m}^3$  (H-08) to 0.69  $\mu\text{g}/\text{m}^3$  (H-18).
- Ethylbenzene – Ethylbenzene was detected in 3 of the 19 indoor air sample locations. The indoor air concentrations of ethylbenzene were 38  $\mu\text{g}/\text{m}^3$  (H-07), 1.0  $\mu\text{g}/\text{m}^3$  (H-17) and 0.95  $\mu\text{g}/\text{m}^3$  (H-21). It should be noted that the resampling of H-07 [H-07-AI(R)] resulted in an ethylbenzene concentration of 1.6  $\mu\text{g}/\text{m}^3$ . Ethylbenzene was detected in

one subslab soil vapor sample location (H-21) at a concentration of 1.0  $\mu\text{g}/\text{m}^3$ . Ethylbenzene was detected in 1 of the 6 outdoor air samples, at a concentration of 1.6  $\mu\text{g}/\text{m}^3$  (H-09).

- Toluene – Every indoor air sample contained toluene, with concentrations ranging from 8.5  $\mu\text{g}/\text{m}^3$  (H-18) to 0.86  $\mu\text{g}/\text{m}^3$  (H-16). The subslab soil vapor sample concentrations of toluene detected in 7 of the 19 sample locations ranged from 3.0  $\mu\text{g}/\text{m}^3$  (H-20) to 0.78  $\mu\text{g}/\text{m}^3$  (H-01). Outdoor air concentrations of toluene ranged from 2.3  $\mu\text{g}/\text{m}^3$  (H-09) to 0.75  $\mu\text{g}/\text{m}^3$  (H-12) in 5 of the 6 sample locations.
- Xylene (total) – Xylene was detected in 3 of the 19 indoor air sample locations. The indoor air concentrations of xylene were 170  $\mu\text{g}/\text{m}^3$  (H-07), 3.4  $\mu\text{g}/\text{m}^3$  (H-17) and 2.3  $\mu\text{g}/\text{m}^3$  (H-20). It should be noted that the resampling of H-07 [H-07-AI(R)] resulted in a xylene concentration of 8.6  $\mu\text{g}/\text{m}^3$ . Xylene was detected in 1 of the 19 subslab soil vapor samples, at a concentration of 7.1  $\mu\text{g}/\text{m}^3$  (H-21). Xylene was not detected in any outdoor air samples.
- Methylene chloride – Methylene chloride was detected in 2 of the 19 indoor air sample locations, at concentrations of 1.9  $\mu\text{g}/\text{m}^3$  (H-19) and 1.7  $\mu\text{g}/\text{m}^3$  (H-13). Methylene chloride was detected in 5 of the 19 subslab soil vapor sample locations, ranging from 8.0  $\mu\text{g}/\text{m}^3$  (H-13) to 1.9  $\mu\text{g}/\text{m}^3$  (H-06 and H-20). Methylene chloride was not detected in any outdoor air samples. All methylene chloride detections were below the NYSDOH Air Guideline of 60  $\mu\text{g}/\text{m}^3$ .
- Acetone – Acetone was detected in 17 of the 19 indoor air sample locations. The concentration of acetone in indoor air ranged from 360  $\mu\text{g}/\text{m}^3$  (H-18) to 12  $\mu\text{g}/\text{m}^3$  (H-14, H-19 and H-22). Acetone was detected in 9 of the 19 subslab soil vapor sample locations. The subslab soil vapor concentrations ranged from 61  $\mu\text{g}/\text{m}^3$  (H-20) to 16  $\mu\text{g}/\text{m}^3$  (H-13 and H-16). Acetone was detected in one outdoor air sample (H-09) at a concentration of 15  $\mu\text{g}/\text{m}^3$ .
- n-Butane – Every indoor air sample contained n-butane, at concentrations ranging from 160  $\mu\text{g}/\text{m}^3$  (H-18) to 2.5  $\mu\text{g}/\text{m}^3$  (H-22). n-Butane was detected in 15 of the 19 subslab soil vapor sample locations. The subslab soil vapor concentrations ranged from 22

$\mu\text{g}/\text{m}^3$  (H-12) to  $1.2\mu\text{g}/\text{m}^3$  (H-10). n-Butane was detected all 6 outdoor air samples with concentrations ranging from  $4.2\mu\text{g}/\text{m}^3$  (H-21) to  $1.5\mu\text{g}/\text{m}^3$  (H-12).

- Dichlorodifluoromethane (Freon 12) – Twelve of the 19 indoor air sample locations contained Freon 12 at concentrations ranging from  $8.7\mu\text{g}/\text{m}^3$  (H-20) to  $2.5\mu\text{g}/\text{m}^3$  (H-06). Subslab soil vapor concentrations detected in 14 of the 19 locations sampled ranged from  $61\mu\text{g}/\text{m}^3$  (H-01) to  $2.5\mu\text{g}/\text{m}^3$  (H-13). Freon 12 was detected in all 6 outdoor air sample locations with concentrations between  $3.0\mu\text{g}/\text{m}^3$  (H-12) and  $2.6\mu\text{g}/\text{m}^3$  (H-08).
- Trichlorofluoromethane (Freon 11) – Fourteen of the 19 indoor air sample locations contained Freon 11 at concentrations ranging from  $2.5\mu\text{g}/\text{m}^3$  (H-10) to  $1.1\mu\text{g}/\text{m}^3$  (H-15). Subslab soil vapor concentrations at 17 of the 19 locations sampled ranged from  $46\mu\text{g}/\text{m}^3$  (H-16) to  $1.2\mu\text{g}/\text{m}^3$  (H-14). The outdoor air concentrations detected in all 6 sample locations ranged from  $1.3\mu\text{g}/\text{m}^3$  (H-06, H-08, H-09 and H-18) to  $1.2\mu\text{g}/\text{m}^3$  (H-12 and H-21).

The analytical results were compared against the product inventories. Products most commonly encountered were household cleaning agents, paints and insecticides. No products were removed prior to sampling.

Using NYSDOH decision matrix 1 and 2, and the compounds listed by the NYSDOH, the recommended actions for the locations sampled are as follows:

### **3.2.1 Matrix 1 Evaluation**

- None of the Matrix 1 compounds (i.e., TCE, carbon tetrachloride, vinyl chloride) were detected at concentrations that resulted in a “Mitigate” or “Monitor” recommendation.
- The concentration of TCE in the indoor air and subslab soil vapor at location H-12 resulted in a “Take reasonable and practical actions to identify source(s) and reduce exposures” recommendation, as shown on Figure 3. All other locations fell under the “No further action” recommendation because TCE was only detected in the subslab soil vapor.
- Vinyl chloride was not detected in the subslab soil vapor, indoor air or outdoor air, therefore “No further action” is necessary.

- Following the decision matrix, the recommended action for 16 of the 19 locations sampled is “Take reasonable and practical actions to identify source(s) and reduce exposure” based on the carbon tetrachloride concentrations in indoor air and subslab soil vapor alone. However, the outdoor air concentrations (0.32  $\mu\text{g}/\text{m}^3$  to 0.50  $\mu\text{g}/\text{m}^3$ ) were similar to the indoor air concentrations (0.31  $\mu\text{g}/\text{m}^3$  to 0.95  $\mu\text{g}/\text{m}^3$ ). The subslab soil vapor concentrations ranged from 0.31  $\mu\text{g}/\text{m}^3$  to 0.65  $\mu\text{g}/\text{m}^3$ . Based on this data, it may be concluded that soil vapor is not a source of carbon tetrachloride in indoor air, and therefore the recommendation “No further action” may be applicable.

### **3.2.2 Matrix 2 Evaluation**

- None of the Matrix 2 compounds (i.e., 1,1,1-TCA, 1,1-DCE, cis-1,2-DCE and PCE) were detected at concentrations that resulted in a “Mitigate” recommendation.
- The concentration of 1,1,1-TCA in the subslab soil vapor at location H-15 resulted in a “Monitor” recommendation as shown on Figure 3. All other locations where 1,1,1-TCA was detected in the indoor air and/or subslab soil vapor (H-06, H-16) resulted in a “No further action” recommendation.
- 1,1-DCE, cis-1,2-DCE and PCE results for all indoor air and/or subslab soil vapor samples lead to a “No further action” recommendation.

#### 4.0 REFERENCES

- Code of Federal Regulations (CFR). 1996. *Test Methods 2G through 3C*. Title 40, Chapter 1 Section 60, Appendix A. June 20.
- Dresdner Robin. 2006. *Remedial Investigation Report and Remedial Action Work Plan, - Riverview CEQR No. 02 DCP 036q/04 DEP 085Q, College Point, Queens NY, prepared for Powell Cove Associates, LLC*. April.
- New York State Department of Health (NYSDOH). 2006. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. Final. October.
- NYSDOH. 2013. *New Ambient Air Guideline and Revised Fact Sheet for Tetrachloroethene*. Interoffice Memorandum. September 13.
- New York State Department of Environmental Conservation. 2010. *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*. DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B. Division of Environmental Remediation. May.
- United States Environmental Protection Agency (USEPA). 1999. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. January.
- URS Corporation. 2013. *Remedial Investigation Report for the College Point 3 Site*. Final. June.

## **TABLES**



**TABLE 1**  
**FIXED GAS MEASUREMENTS IN SUBSLAB SOIL VAPOR**  
**COLLEGE POINT 3**

<b>Location</b>	<b>Date</b>	<b>Methane (%)</b>	<b>Carbon Dioxide (%)</b>	<b>Oxygen (%)</b>
H-01	2/23/2015	0	2.3	19.1
H-05	2/16/2015	0.3	0.2	21.7
H-06	2/16/2015	0	0	21.0
H-07	2/17/2015	0	0	19.9
H-08	2/17/2015	0	0.5	21.0
H-09	2/18/2015	0	0	20.2
H-10	2/18/2015	0	0	20.8
H-11	2/18/2015	0	0	20.7
H-12	2/23/2015	0	0	21.4
H-13	2/23/2015	0	0	20.9
H-14	2/23/2015	0	0	21.2
H-15	2/23/2015	0	0	21.2
H-16	2/25/2015	0	0.1	19.9
H-17	2/25/2015	0	0	21.0
H-18	2/25/2015	0	0	21.5
H-19	2/26/2015	0	0	20.7
H-20	2/26/2015	0	0	22.3
H-21	2/26/2015	Not Measured	Not Measured	Not Measured
H-22	2/26/2015	0	0	20.6

**TABLE 2**  
**SUMMARY OF PARAMETERS ANALYZED IN SUBSLAB SOIL VAPOR, INDOOR AIR**  
**AND OUTDOOR AIR BY USEPA METHOD TO-15**  
**COLLEGE POINT 3 SITE**

<b>Compound</b>	<b>Detection Limit</b>	<b>Detection Compound</b>	<b>Detection Limit</b>
1,1,1-Trichloroethane	1.1	Carbon disulfide	1.6
1,1,2,2-Tetrachloroethane	1.4	Carbon tetrachloride	0.25
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	Chlorobenzene	0.92
1,1,2-Trichloroethane	1.1	Chlorodifluoromethane	1.8
1,1-Dichloroethane*	0.81	Chloroethane*	1.3
1,1-Dichloroethene*	0.79	Chloroform	0.98
1,2,4-Trichlorobenzene	3.7	Chloromethane	1.0
1,2,4-Trimethylbenzene	0.98	Cyclohexane	0.69
1,2-Dibromoethane (Ethylene dibromide)	1.5	Dibromochloromethane	1.7
1,2-Dichlorobenzene	1.2	Dichlorodifluoromethane	2.5
1,2-Dichloroethane*	0.81	Ethylbenzene	0.87
1,2-Dichloroethene (cis)*	0.79	Hexachlorobutadiene	2.1
1,2-Dichloroethene (trans)*	0.79	Isopropanol	12
1,2-Dichloropropane	0.92	Isopropylbenzene (Cumene)	0.98
1,2-Dichlorotetrafluoroethane	1.4	Methyl ethyl ketone (2-Butanone)	1.5
1,3,5-Trimethylbenzene (Mesitylene)	0.98	Methyl methacrylate	2.0
1,3-Butadiene	0.44	Methyl tert-butyl ether	0.72
1,3-Dichlorobenzene	1.2	Methylene chloride	1.7
1,3-Dichloropropene (cis)	0.91	Naphthalene	2.6
1,3-Dichloropropene (trans)	0.91	n-Butane	1.2
1,4-Dichlorobenzene	1.2	n-Butylbenzene	1.1
1,4-Dioxane	18	n-Heptane	0.82
2,2,4-Trimethylpentane	0.93	n-Hexane	0.70
2-Chlorotoluene	1.0	n-Propylbenzene	0.98
2-Hexanone	2.0	sec-Butylbenzene	1.1
3-Chloropropene	1.6	Styrene	0.85
4-Ethyltoluene	0.98	tert-Butyl alcohol	15
4-Isopropyltoluene (p-Cymene)	1.1	tert-Butylbenzene	1.1
4-Methyl-2-pentanone	2.0	Tetrachloroethene*	1.4
Acetone	12	Tetrahydrofuran	15
Benzene	0.64	Toluene	0.75
Benzyl chloride	1.0	Trichloroethene*	0.21
Bromodichloromethane	1.3	Trichlorofluoromethane	1.1
Bromoform	2.1	Vinyl chloride*	0.10
Bromoethene	0.87	Xylene (total)	0.87
Bromomethane	0.78		

All units in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )

USEPA Method TO-15, VOCs in Air Collected in SUMMA<sup>®</sup> Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS): USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, January 1999.

\* - Tetrachloroethene, trichloroethene and their breakdown products.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-01	H-01	H-05	H-05	H-06
Sample ID		H-01-AI	H-01-SS	H-05-AI	H-05-SS	H-06-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/17/15	02/17/15	02/17/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					1.7
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		5.2			
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3		8.1			
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	35		15	17	14
Benzene	UG/M3	1.0		1.1		0.95
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.64		0.38	0.35	0.35
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3					
Chloroform	UG/M3		5.9		2.3	
Chloromethane	UG/M3	1.1		1.1		1.1
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	2.8	61		15	2.5
Ethylbenzene	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-01	H-01	H-05	H-05	H-06
Sample ID		H-01-AI	H-01-SS	H-05-AI	H-05-SS	H-06-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/17/15	02/17/15	02/17/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3			23		
Methyl ethyl ketone (2-Butanone)	UG/M3	1.9				
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3					
n-Butane	UG/M3	2.9		6.7		44
n-Heptane	UG/M3					
n-Hexane	UG/M3			0.79		0.73
Styrene	UG/M3					
Tetrachloroethene	UG/M3		17			
Toluene	UG/M3	2.9	0.78	1.9	1.1	2.8
Trichloroethene	UG/M3		4.2			
Trichlorofluoromethane	UG/M3	1.4	18		1.3	
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-06	H-06	H-07	H-07	H-07
Sample ID		H-06-OA	H-06-SS	H-07-AI	H-07-SS	H-07-AI(R)
Matrix		Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/17/15	02/18/15	02/18/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3		3.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3			1.4 J		
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3			5.8 J		
Acetone	UG/M3			18 J		22
Benzene	UG/M3	0.82	0.69	2.3 J		1.2
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.46	0.33	0.53 J		0.59
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3					
Chloroform	UG/M3			2.1 J		2.5
Chloromethane	UG/M3	1.3		1.4 J		2.0
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	2.9		3.2 J		3.8
Ethylbenzene	UG/M3			38 J		1.6

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-06	H-06	H-07	H-07	H-07
Sample ID		H-06-OA	H-06-SS	H-07-AI	H-07-SS	H-07-AI(R)
Matrix		Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/17/15	02/18/15	02/18/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	1.6				
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3		1.9			
n-Butane	UG/M3	3.2	1.7	39 J		7.4 J
n-Heptane	UG/M3					
n-Hexane	UG/M3			1.3 J		0.89
Styrene	UG/M3					
Tetrachloroethene	UG/M3					
Toluene	UG/M3	0.91		6.6 J		4.3
Trichloroethene	UG/M3					
Trichlorofluoromethane	UG/M3	1.3		1.6 J		1.7
Xylene (total)	UG/M3			170 J		8.6

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-08	H-08	H-08	H-09	H-09
Sample ID		H-08-AI	H-08-OA	H-08-SS	H-09-AI	H-09-OA
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/18/15	02/18/15	02/18/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3					15
Benzene	UG/M3	2.8	1.1		0.79	0.77
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3		0.50		0.40	0.37
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3				31	
Chloroform	UG/M3					
Chloromethane	UG/M3		1.2		1.1	
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3		2.6	2.9	2.9	2.9
Ethylbenzene	UG/M3					1.6

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-08	H-08	H-08	H-09	H-09
Sample ID		H-08-AI	H-08-OA	H-08-SS	H-09-AI	H-09-OA
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/18/15	02/18/15	02/18/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3					14
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3					
n-Butane	UG/M3	23	4.0		2.8	1.9
n-Heptane	UG/M3					
n-Hexane	UG/M3					
Styrene	UG/M3					
Tetrachloroethene	UG/M3			3.6		
Toluene	UG/M3	1.4	1.6		1.2	2.3
Trichloroethene	UG/M3			0.68		
Trichlorofluoromethane	UG/M3		1.3	2.1	1.3	1.3
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.



**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-09	H-10	H-10	H-11	H-11
Sample ID		H-09-SS	H-10-AI	H-10-SS	H-11-AI	H-11-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/19/15	02/19/15	02/19/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3		3.4			
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3		2.8			
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3		42		18	
Benzene	UG/M3	0.80	1.3		0.80	
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.49	0.95	0.65	0.48	0.49
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3	3.3		3.1		
Chloroform	UG/M3	1.2	5.2	5.4		
Chloromethane	UG/M3	1.2	2.5		1.5	
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	3.8		3.8	2.9	3.1
Ethylbenzene	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-09	H-10	H-10	H-11	H-11
Sample ID		H-09-SS	H-10-AI	H-10-SS	H-11-AI	H-11-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/19/15	02/19/15	02/19/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3		59			
Methyl ethyl ketone (2-Butanone)	UG/M3		8.9			
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3					
n-Butane	UG/M3	1.3	100	1.2	4.2	2.0
n-Heptane	UG/M3				0.94	
n-Hexane	UG/M3					
Styrene	UG/M3					
Tetrachloroethene	UG/M3	3.0	2.4	14		
Toluene	UG/M3		7.0		2.0	
Trichloroethene	UG/M3	6.9		0.74		
Trichlorofluoromethane	UG/M3	14	2.5	1.5	1.3	1.4
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-12	H-12	H-12	H-12	H-12
Sample ID		FD-022415-01	H-12-AI	FD-022415-03	H-12-OA	FD-022415-02
Matrix		Indoor Air	Indoor Air	Outdoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3		15 J			42
Benzene	UG/M3	0.73	0.77 J		0.72 J	
Carbon disulfide	UG/M3				2.6 J	
Carbon tetrachloride	UG/M3	0.39	0.31 J	0.32 J	0.45 J	
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3	3.0	3.0 J			
Chloroform	UG/M3					1.7
Chloromethane	UG/M3		1.1 J		1.1 J	
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	2.9	3.0 J	2.9 J	3.0 J	3.6
Ethylbenzene	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-12	H-12	H-12	H-12	H-12
Sample ID		FD-022415-01	H-12-AI	FD-022415-03	H-12-OA	FD-022415-02
Matrix		Indoor Air	Indoor Air	Outdoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3		2.2 J			3.5 J
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3					
n-Butane	UG/M3	11	12 J	1.5 J	1.8 J	22
n-Heptane	UG/M3					
n-Hexane	UG/M3					
Styrene	UG/M3					
Tetrachloroethene	UG/M3					
Toluene	UG/M3	1.2	1.2 J		0.75 J	1.0
Trichloroethene	UG/M3	0.82	0.85 J			0.77
Trichlorofluoromethane	UG/M3	1.3	1.4 J	1.2 J	1.2 J	1.4
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-12	H-13	H-13	H-14	H-14
Sample ID		H-12-SS	H-13-AI	H-13-SS	H-14-AI	H-14-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3		1.2			
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3			3.0		
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	38	67	16	12 J	
Benzene	UG/M3		0.77	0.89	0.78	0.97
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3			0.51	0.47	0.42
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3			2.1		
Chloroform	UG/M3	1.7				
Chloromethane	UG/M3				1.2	
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	3.6		2.5		
Ethylbenzene	UG/M3					

Flags assigned during chemistry validation are shown.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-12	H-13	H-13	H-14	H-14
Sample ID		H-12-SS	H-13-AI	H-13-SS	H-14-AI	H-14-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	2.0 J	1.7		1.6	
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3		1.7	8.0		
n-Butane	UG/M3	21	3.1	2.7	4.0	2.8
n-Heptane	UG/M3					
n-Hexane	UG/M3					
Styrene	UG/M3					
Tetrachloroethene	UG/M3					
Toluene	UG/M3	1.1	1.4	1.1	1.4	
Trichloroethene	UG/M3	0.73				0.75
Trichlorofluoromethane	UG/M3	1.4	1.2	1.3		1.2
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-15	H-15	H-16	H-16	H-17
Sample ID		H-15-AI	H-15-SS	H-16-AI	H-16-SS	H-17-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/26/15	02/26/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3		150		2.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3		3.5			
1,2,4-Trimethylbenzene	UG/M3					3.6
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					1.6
1,4-Dichlorobenzene	UG/M3	1.6				
2,2,4-Trimethylpentane	UG/M3		1.2			
4-Ethyltoluene	UG/M3					1.6
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	27 J		33 J	16	35
Benzene	UG/M3	0.78	0.66	0.82 J	0.99	0.72
Carbon disulfide	UG/M3				1.8	
Carbon tetrachloride	UG/M3	0.48	0.39	0.46 J	0.31	0.49
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3				6.1	
Chloroform	UG/M3			1.1 J		1.7
Chloromethane	UG/M3			1.5 J		1.6
Cyclohexane	UG/M3		4.6			
Dichlorodifluoromethane	UG/M3			3.0 J	36	3.4
Ethylbenzene	UG/M3					1.0

Flags assigned during chemistry validation are shown.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-15	H-15	H-16	H-16	H-17
Sample ID		H-15-AI	H-15-SS	H-16-AI	H-16-SS	H-17-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/26/15	02/26/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3			17 J		17
Methyl ethyl ketone (2-Butanone)	UG/M3			1.5 J	1.9	5.1
Methyl methacrylate	UG/M3					2.4
Methylene chloride	UG/M3					
n-Butane	UG/M3	3.7	1.9	8.1 J	2.2 J	6.3 J
n-Heptane	UG/M3					1.2
n-Hexane	UG/M3					
Styrene	UG/M3					11
Tetrachloroethene	UG/M3				4.8	
Toluene	UG/M3	1.4		0.86 J		5.9
Trichloroethene	UG/M3				0.91	
Trichlorofluoromethane	UG/M3	1.1	1.7	1.3 J	46	1.6
Xylene (total)	UG/M3					3.4

Flags assigned during chemistry validation are shown.

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Only Detected Results Reported.



**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-17	H-18	H-18	H-18	H-19
Sample ID		H-17-SS	H-18-AI	H-18-OA	H-18-SS	H-19-AI
Matrix		Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/15	02/26/15	02/26/15	02/26/15	02/27/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3		1.4			
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	24	360 D		25	12
Benzene	UG/M3	1.1	0.79	0.69	1.0	0.91
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.37	0.48	0.40	0.47	
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3					
Chloroform	UG/M3	1.3				
Chloromethane	UG/M3		1.6	1.4		1.6
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	3.3	3.2	2.7	2.9	2.7
Ethylbenzene	UG/M3					

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-17	H-18	H-18	H-18	H-19
Sample ID		H-17-SS	H-18-AI	H-18-OA	H-18-SS	H-19-AI
Matrix		Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/15	02/26/15	02/26/15	02/26/15	02/27/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3		21			
Methyl ethyl ketone (2-Butanone)	UG/M3	2.9	3.5		2.0	
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3	2.0			2.4	1.9
n-Butane	UG/M3	2.4 J	160 D	3.1 J	2.9 J	11 J
n-Heptane	UG/M3		1.5			1.3
n-Hexane	UG/M3					
Styrene	UG/M3					
Tetrachloroethene	UG/M3	1.9	2.3			
Toluene	UG/M3	1.6	8.5	0.79		3.7
Trichloroethene	UG/M3					
Trichlorofluoromethane	UG/M3	1.6	1.3	1.3	1.4	1.4
Xylene (total)	UG/M3					

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-19	H-20	H-20	H-21	H-21
Sample ID		H-19-SS	H-20-AI	H-20-SS	FD-022715-02	H-21-AI
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3		1.8	1.1		
4-Ethyltoluene	UG/M3					
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	24	18	61		18
Benzene	UG/M3	0.65	1.2	0.97	0.71	0.73
Carbon disulfide	UG/M3		4.2			6.2
Carbon tetrachloride	UG/M3	0.32	0.44	0.42	0.39	0.35
Chlorobenzene	UG/M3		1.5			
Chlorodifluoromethane	UG/M3					
Chloroform	UG/M3					
Chloromethane	UG/M3		1.4		1.4	1.4
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	4.4	8.7	4.8	3.2	3.3
Ethylbenzene	UG/M3					0.95

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-19	H-20	H-20	H-21	H-21
Sample ID		H-19-SS	H-20-AI	H-20-SS	FD-022715-02	H-21-AI
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	2.3	2.6	2.6		7.3
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3			1.9		
n-Butane	UG/M3	2.1 J	6.0 J	3.5 J	3.9 J	4.1 J
n-Heptane	UG/M3					
n-Hexane	UG/M3		1.6	0.76		
Styrene	UG/M3					
Tetrachloroethene	UG/M3	7.5		1.5		
Toluene	UG/M3		4.0	3.0	2.2	2.0
Trichloroethene	UG/M3	1.1				
Trichlorofluoromethane	UG/M3	1.5	1.4	1.9	1.2	1.3
Xylene (total)	UG/M3		2.3			

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-21	H-21	H-21	H-21	H-22
Sample ID		FD-022715-03	H-21-OA	FD-022715-01	H-21-SS	H-22-AI
Matrix		Outdoor Air	Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,2,4-Trimethylbenzene	UG/M3			3.2 J		
1,2-Dichloroethane	UG/M3					
1,2-Dichlorotetrafluoroethane	UG/M3					
1,3,5-Trimethylbenzene	UG/M3			1.5 J		
1,4-Dichlorobenzene	UG/M3					
2,2,4-Trimethylpentane	UG/M3					
4-Ethyltoluene	UG/M3			1.0 J		
4-Isopropyltoluene (p-Cymene)	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3			32 J		12 J
Benzene	UG/M3	0.80 J				0.69
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.43 J		0.35 J	0.46	0.37
Chlorobenzene	UG/M3					
Chlorodifluoromethane	UG/M3				2.0	
Chloroform	UG/M3					
Chloromethane	UG/M3	1.6 J	1.5 J	1.0 J		1.1
Cyclohexane	UG/M3					
Dichlorodifluoromethane	UG/M3	2.7 J		2.8 J	2.8	
Ethylbenzene	UG/M3			1.0 J		

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

Location ID		H-21	H-21	H-21	H-21	H-22
Sample ID		FD-022715-03	H-21-OA	FD-022715-01	H-21-SS	H-22-AI
Matrix		Outdoor Air	Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
<b>Volatile Organic Compounds</b>						
Isopropanol	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3			5.6 J		1.5
Methyl methacrylate	UG/M3					
Methylene chloride	UG/M3					
n-Butane	UG/M3	4.2 J		3.9 J	3.8 J	2.5
n-Heptane	UG/M3			1.2 J		
n-Hexane	UG/M3	0.77 J		1.3 J		
Styrene	UG/M3					
Tetrachloroethene	UG/M3					
Toluene	UG/M3			2.3 J		2.6
Trichloroethene	UG/M3					
Trichlorofluoromethane	UG/M3	1.2 J		1.3 J	1.3	
Xylene (total)	UG/M3			7.1 J		

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

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Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

<b>Location ID</b>		H-22
<b>Sample ID</b>		H-22-SS
<b>Matrix</b>		Subslab Vapor
<b>Depth Interval (ft)</b>		-
<b>Date Sampled</b>		02/27/15
<b>Parameter</b>	<b>Units</b>	
<b>Volatile Organic Compounds</b>		
1,1,1-Trichloroethane	UG/M3	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	
1,1-Dichloroethane	UG/M3	
1,2,4-Trimethylbenzene	UG/M3	
1,2-Dichloroethane	UG/M3	
1,2-Dichlorotetrafluoroethane	UG/M3	
1,3,5-Trimethylbenzene	UG/M3	
1,4-Dichlorobenzene	UG/M3	
2,2,4-Trimethylpentane	UG/M3	
4-Ethyltoluene	UG/M3	
4-Isopropyltoluene (p-Cymene)	UG/M3	
4-Methyl-2-pentanone	UG/M3	
Acetone	UG/M3	
Benzene	UG/M3	0.66
Carbon disulfide	UG/M3	
Carbon tetrachloride	UG/M3	0.37
Chlorobenzene	UG/M3	
Chlorodifluoromethane	UG/M3	
Chloroform	UG/M3	
Chloromethane	UG/M3	
Cyclohexane	UG/M3	
Dichlorodifluoromethane	UG/M3	
Ethylbenzene	UG/M3	

Flags assigned during chemistry validation are shown.

Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF DETECTED COMPOUNDS IN 2014/2015 HEATING SEASON SVI SAMPLES**  
**COLLEGE POINT 3**

<b>Location ID</b>		H-22
<b>Sample ID</b>		H-22-SS
<b>Matrix</b>		Subslab Vapor
<b>Depth Interval (ft)</b>		-
<b>Date Sampled</b>		02/27/15
<b>Parameter</b>	<b>Units</b>	
<b>Volatile Organic Compounds</b>		
Isopropanol	UG/M3	
Methyl ethyl ketone (2-Butanone)	UG/M3	
Methyl methacrylate	UG/M3	
Methylene chloride	UG/M3	
n-Butane	UG/M3	2.2
n-Heptane	UG/M3	
n-Hexane	UG/M3	
Styrene	UG/M3	
Tetrachloroethene	UG/M3	
Toluene	UG/M3	
Trichloroethene	UG/M3	0.74
Trichlorofluoromethane	UG/M3	1.4
Xylene (total)	UG/M3	

Flags assigned during chemistry validation are shown.

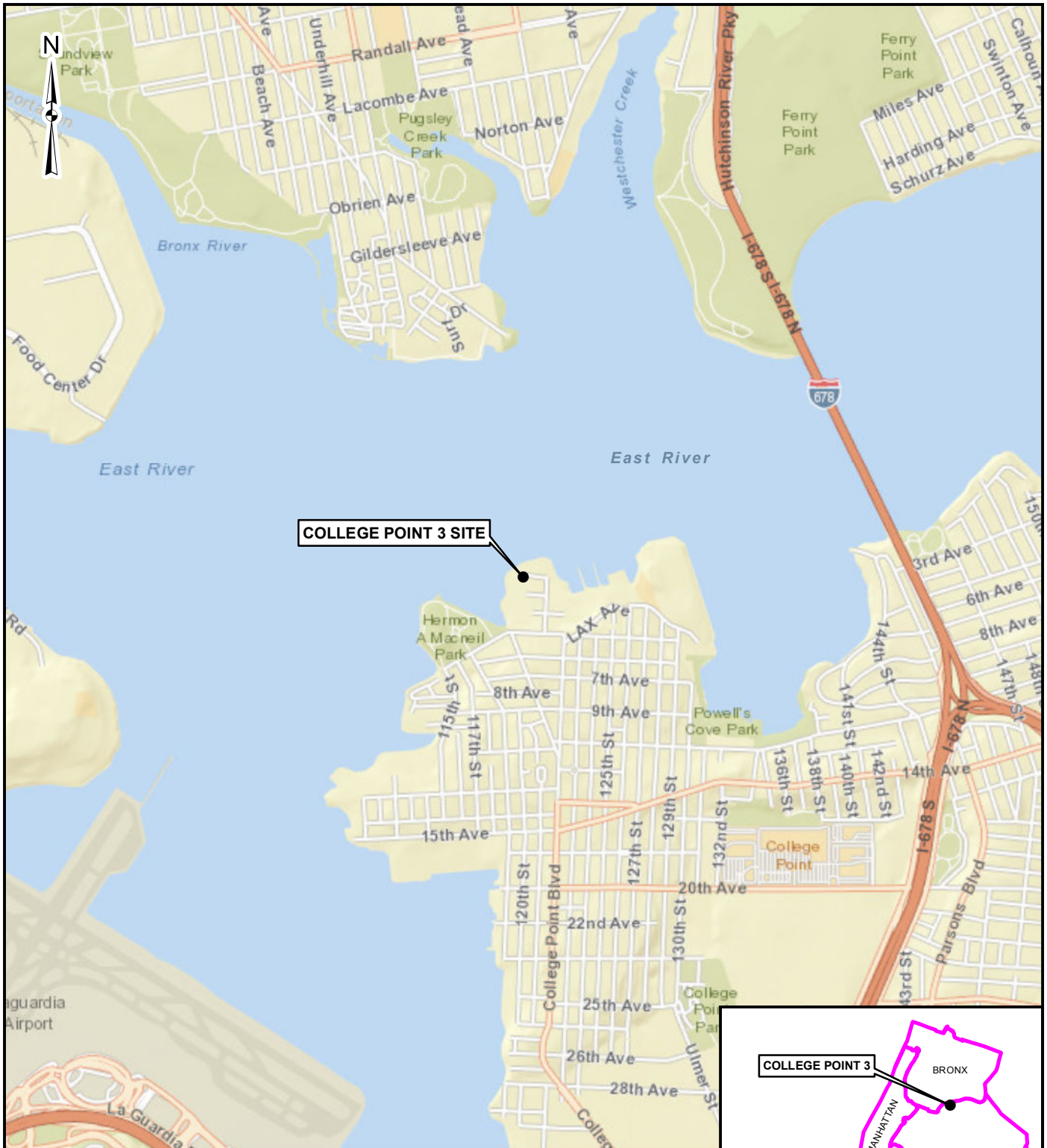
Empty cell or ND - Not Detected.

J - The reported concentration is an estimated value. D - The result is reported from a secondary dilution analysis.

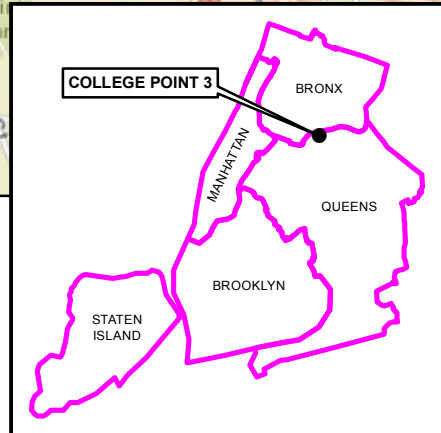
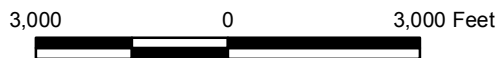
Only Detected Results Reported.

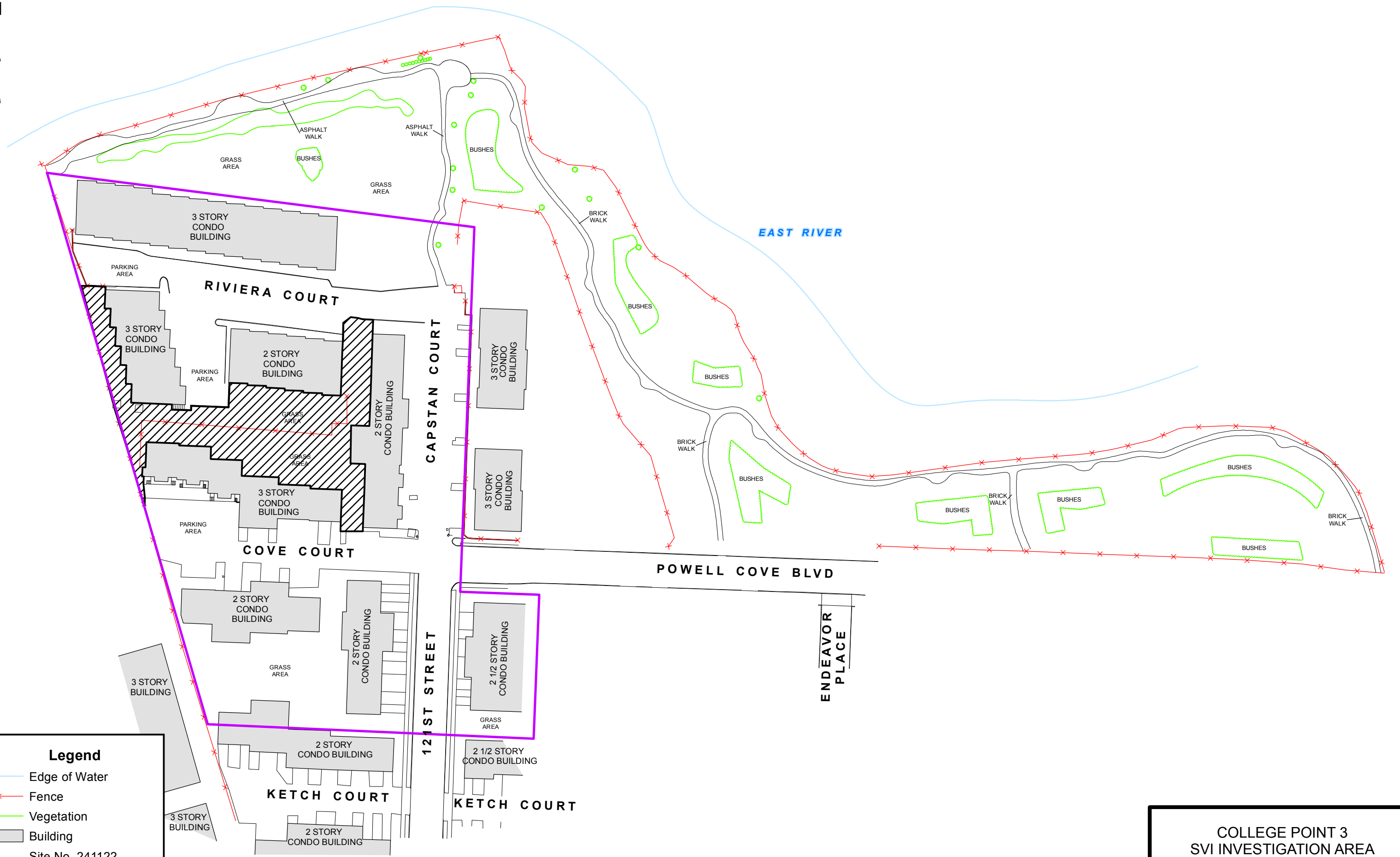


## **FIGURES**



Source: ESRI World Street Map, 2012



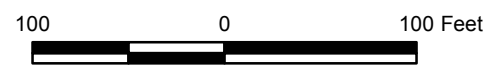


**Legend**

- Edge of Water
- x Fence
- Vegetation
- Building
- Site No. 241122 Boundary
- SVI Investigation Area

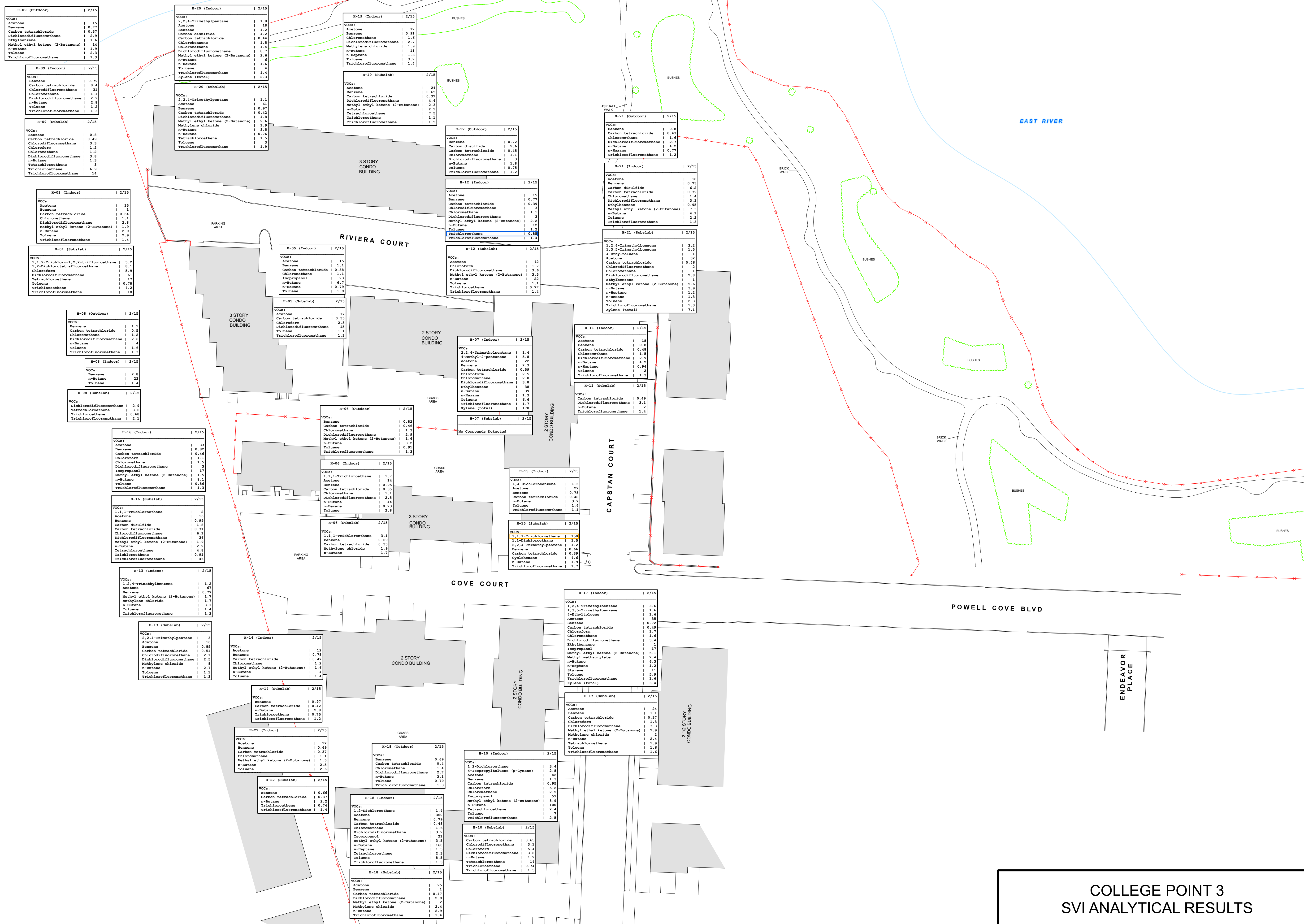
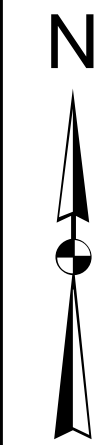
COLLEGE POINT 3  
SVI INVESTIGATION AREA

FIGURE 2



J:\Projects\1174984\_00000\00\GIS\2015 SVI Report\02 SVI INVESTIGATION AREA.mxd 4/14/2015





J:\projects\117494\000\GIS\2016\_SVI\_Reports\SVI\_ANALYTICAL\_RESULTS.mxd 4/18/2016

**Legend**

Building

Sample ID | Sample Date

R-22 (Indoor) | 2/15

VOCs: Acetone | 12

Compound | Result

microgram per cubic meter (ppm)

**NOTE:**  
 Only detected compounds are displayed.  
 Take reasonable and practical actions to identify source(s) and reduce exposures.  
 Monitor.



COLLEGE POINT 3  
SVI ANALYTICAL RESULTS

**URS**

FIGURE 3

## **APPENDIX A**

### **DATA USABILITY SUMMARY REPORT**

**DATA USABILITY SUMMARY REPORT**

**COLLEGE POINT 3 SITE  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)  
QUEENS COUNTY, NEW YORK  
WORK ASSIGNMENT D007622-10.1  
SITE NO. 241122**

**Analyses Performed by:**

**TESTAMERICA LABORATORIES, INC.  
SOUTH BURLINGTON, VERMONT**

**Prepared for:**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION**

**Prepared by:**

**URS CORPORATION  
257 WEST GENESEE STREET, SUITE 400  
BUFFALO, NY 14202-2657**

**MARCH 2015**

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1.0 INTRODUCTION .....	1
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3.0 DATA DELIVERABLE COMPLETENESS .....	2
4.0 SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES .....	2
5.0 NON-CONFORMANCES .....	2
6.0 SAMPLE RESULTS AND REPORTING.....	3
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### TABLES (Following Text)

Table 1	Summary of Data Qualifications
Table 2	Validated Subslab Soil Vapor and Indoor Air Analytical Results
Table 3	Validated Outdoor Air Analytical Results

### ATTACHMENTS

Attachment A	Validated Form I's
Attachment B	Support Documentation

## 1.0 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 and Summary Reports*, May 2010.

This DUSR discusses the data usability for 19 subslab soil vapor samples, 2 subslab soil vapor field duplicates, 20 indoor air samples, 2 indoor air field duplicates, 6 outdoor air samples, and 2 outdoor air field duplicates collected by URS personnel on February 17-27, 2015, as part of the College Point 3 site (site No. 241122) Remedial Investigation/Feasibility Study. This work has been performed in support of NYSDEC Work Assignment No. D007622-10.1.

## 2.0 ANALYTICAL METHODOLOGIES/DATA VALIDATION PROCEDURES

The subslab soil vapor and indoor/outdoor air samples were sent to TestAmerica Laboratories, Inc. located in South Burlington, VT for analysis. The samples were analyzed for volatile organic compounds (VOCs) following United States Environmental Protection Agency (USEPA) Compendium Method TO-15, *Determination of VOCs in Air Collected in Specially Prepared Canisters and Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)* and methane by USEPA Method 3C.

A limited data validation was performed in accordance with the following USEPA Region II guidelines:

- *Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP HW-31, Revision 6, June 2014.*

The limited validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results [blanks, instrument tunings, calibration standards, and laboratory control sample (LCS) recoveries] to determine if the data are within the protocol-required 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 provided in the data summary sheets; and laboratory data qualifiers.

Qualifications applied to the data during the limited validation include 'J' (estimated value) and 'UJ' [not detected, estimated quantitation limit (QL)]. Definitions of USEPA Region II data qualifiers are presented at the end of this text.



Table 1 summarizes the data qualifications applied to the sample results during the limited validation. The validated analytical results for all sub-slab soil vapor, indoor air, and outdoor air samples are presented in Tables 2 and 3, respectively. Copies of the validated laboratory results (i.e., Form I's) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

### **3.0 DATA DELIVERABLE COMPLETENESS**

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

### **4.0 SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES**

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC) with the following exceptions.

Sample H-07-AI was originally collected on 2/18/15 and was received by the laboratory at ambient pressure. This sample was re-collected on 2/26/15 and was received under acceptable pressure. Both sets of results have been reported on Table 2 and the results from the 2/18/15 sampling event qualified 'J' or 'UJ'.

For sample H-12-OA, the SUMMA® canister pressure was not maintained within +/- 5 psi from sampling end until laboratory receipt. The results for all compounds have been qualified 'J' or 'UJ'.

Several sample canisters were received at the laboratory at ambient pressure. The affected sample results have been qualified 'J' or 'UJ' as listed on Table 1.

All samples were analyzed within the required holding times.

### **5.0 NON-CONFORMANCES**

#### **Instrument Calibration**

The percent differences (%D) between the initial calibration (ICAL) average relative response factors (RRF) and the RRFs in one or more of the continuing calibration (CCAL) standards were greater than 30% for the following VOCs: 1,4-dioxane, acetone, and/or n-butane. The detected results for these compounds in the associated samples listed in Table 1 were qualified 'J' and the non-detected results were qualified 'UJ'.

### Field Duplicates

The relative percent difference (%RPD) results between parent sample H-12-SS and field duplicate FD-022415-02 exceeded 50% for VOC methyl ethyl ketone. The results for this compound in the parent and field duplicate samples were qualified 'J' as listed in Table 1.

## 6.0 SAMPLE RESULTS AND REPORTING

Field duplicates were collected for samples H-12-AI, H-12-OA, H-12-SS, H-21-AI, H-21-OA, and H-21-SS. Similar detections and concentrations were observed in the samples and their respective field duplicates, indicating good field and analytical precision, except where noted above.

Several samples were initially analyzed at dilutions due to elevated target and/or non-target compounds. The reporting limits for the non-detect compounds represent the lowest achievable at the dilutions utilized in the analyses.

Those compounds qualified 'D' have been reported from a secondary dilution.

All results and quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume and dilution factors.

## 7.0 SUMMARY

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

Prepared By: Ann Marie Kropovitch, Chemist

*AMK*

Date: *3/20/15*

Reviewed By: Peter R. Fairbanks, Senior Chemist

*PF*

Date: *3/20/15*

## **DEFINITIONS OF USEPA REGION II DATA QUALIFIERS**

- U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation 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 was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R – The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- D – The positive value is the result from a secondary dilution analysis.

**TABLE 1**

**SUMMARY OF DATA QUALIFICATIONS  
COLLEGE POINT 3 SITE  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY**

<b>SAMPLE ID</b>	<b>ANALYTICAL DEVIATION</b>	<b>QUALIFICATION</b>
<b>SUB-SLAB VAPOR, INDOOR, AND OUTDOOR AIR SAMPLES</b>		
H-12-OA	Pressure difference > +/- 5 psi from sampling end until lab receipt.	Qualify detects 'J' and non-detects 'UJ'.
H-07-AI, H-12-AI, H-12-OA, FD-022415-03 (H-12-OA), H-16-AI, H-21-OA, FD-022715-03 (H-21-OA), and FD-022715-01 (H-21-SS)	Samples received at ambient pressure.	Qualify detects 'J' and non-detects 'UJ'.
H-10-AI	CCAL %D > 30% for 1,4-dioxane.	Qualify non-detect 'UJ'.
H-14-SS, H-14-AI, H-15-SS, H-15-AI, H-22-AI, and H-22-SS	CCAL %D > 30% for acetone.	Qualify detects 'J' and non-detects 'UJ'.
H-07-AI (R), H-12-AI, H-16-SS, H-16-AI, H-17-SS, H-17-AI, H-18-SS, H-18-OA, H-19-SS, H-19-AI, H-20-SS, H-20-AI, H-21-AI, FD-022715-02 (H-21-AI), H-21-OA, FD-022715-03 (H-21-OA), H-21-SS, and FD-022715-01 (H-21-SS)	CCAL %D > 30% n-butane.	Qualify detects 'J' and non-detects 'UJ'.
H-12-SS and FD-022415-02	RPD > 50% for methyl ethyl ketone.	Qualify detected results 'J'.

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-01	H-01	H-05	H-05	H-06
Sample ID		H-01-AI	H-01-SS	H-05-AI	H-05-SS	H-06-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/17/15	02/17/15	02/17/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.7
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	5.2	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	8.1	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-01	H-01	H-05	H-05	H-06
Sample ID		H-01-AI	H-01-SS	H-05-AI	H-05-SS	H-06-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/17/15	02/17/15	02/17/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	UG/M3	35	12 U	15	17	14
Benzene	UG/M3	1.0	0.64 U	1.1	0.64 U	0.95
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon tetrachloride	UG/M3	0.64	0.25 U	0.38	0.35	0.35
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	0.98 U	5.9	0.98 U	2.3	0.98 U
Chloromethane	UG/M3	1.1	1.0 U	1.1	1.0 U	1.1
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	2.8	61	2.5 U	15	2.5
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	23	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-01	H-01	H-05	H-05	H-06
Sample ID		H-01-AI	H-01-SS	H-05-AI	H-05-SS	H-06-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/17/15	02/17/15	02/17/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.9	1.5 U	1.5 U	1.5 U	1.5 U
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
n-Butane	UG/M3	2.9	1.2 U	6.7	1.2 U	44
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.79	0.70 U	0.73
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.4 U	17	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 U	15 U
Toluene	UG/M3	2.9	0.78	1.9	1.1	2.8
Trichloroethene	UG/M3	0.21 U	4.2	0.21 U	0.21 U	0.21 U
Trichlorofluoromethane	UG/M3	1.4	18	1.1 U	1.3	1.1 U
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.057 U	0.062 U	0.062 U	0.057 U	0.060 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-06	H-07	H-07	H-07	H-08
Sample ID		H-06-SS	H-07-AI	H-07-SS	H-07-AI(R)	H-08-AI
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/18/15	02/26/15	02/18/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	3.1	1.1 UJ	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 UJ	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 UJ	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 UJ	0.79 U	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 UJ	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 UJ	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 UJ	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	1.4 J	0.93 U	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL



**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-06	H-07	H-07	H-07	H-08
Sample ID		H-06-SS	H-07-AI	H-07-SS	H-07-AI(R)	H-08-AI
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/18/15	02/26/15	02/18/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	5.8 J	2.0 U	2.0 U	2.0 U
Acetone	UG/M3	12 U	18 J	12 U	22	12 U
Benzene	UG/M3	0.69	2.3 J	0.64 U	1.2	2.8
Benzyl chloride	UG/M3	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 UJ	0.87 U	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 UJ	0.78 U	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U
Carbon tetrachloride	UG/M3	0.33	0.53 J	0.25 U	0.59	0.25 U
Chlorobenzene	UG/M3	0.92 U	0.92 UJ	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	0.98 U	2.1 J	0.98 U	2.5	0.98 U
Chloromethane	UG/M3	1.0 U	1.4 J	1.0 U	2.0	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 UJ	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	2.5 U	3.2 J	2.5 U	3.8	2.5 U
Ethylbenzene	UG/M3	0.87 U	38 J	0.87 U	1.6	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 UJ	12 U	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-06	H-07	H-07	H-07	H-08
Sample ID		H-06-SS	H-07-AI	H-07-SS	H-07-AI(R)	H-08-AI
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/18/15	02/26/15	02/18/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U
Methyl methacrylate	UG/M3	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U
Methylene chloride	UG/M3	1.9	1.7 UJ	1.7 U	1.7 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U
n-Butane	UG/M3	1.7	39 J	1.2 U	7.4 J	23
n-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U
n-Hexane	UG/M3	0.70 U	1.3 J	0.70 U	0.89	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 UJ	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 UJ	15 U	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 UJ	15 U	15 U	15 U
Toluene	UG/M3	0.75 U	6.6 J	0.75 U	4.3	1.4
Trichloroethene	UG/M3	0.21 U	0.21 UJ	0.21 U	0.21 U	0.21 U
Trichlorofluoromethane	UG/M3	1.1 U	1.6 J	1.1 U	1.7	1.1 U
Vinyl chloride	UG/M3	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	170 J	0.87 U	8.6	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.063 U	0.057 UJ	0.071 U	0.062 U	0.066 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-08	H-09	H-09	H-10	H-10
Sample ID		H-08-SS	H-09-AI	H-09-SS	H-10-AI	H-10-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/18/15	02/19/15	02/19/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.7 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	2.2 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	2.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.7 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	1.3 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	1.3 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	5.9 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	1.6 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	2.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.9 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	3.4	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	1.3 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	1.3 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	1.5 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	2.2 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	1.6 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.71 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.9 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	1.5 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	1.5 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.9 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U	29 UJ	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U	1.5 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.7 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	3.3 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-08	H-09	H-09	H-10	H-10
Sample ID		H-08-SS	H-09-AI	H-09-SS	H-10-AI	H-10-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/18/15	02/19/15	02/19/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	2.5 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	1.6 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	2.8	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	3.3 U	2.0 U
Acetone	UG/M3	12 U	12 U	12 U	42	12 U
Benzene	UG/M3	0.64 U	0.79	0.80	1.3	0.64 U
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.7 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	2.1 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	3.3 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	1.4 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	1.2 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	2.5 U	1.6 U
Carbon tetrachloride	UG/M3	0.25 U	0.40	0.49	0.95	0.65
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	1.5 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	31	3.3	2.8 U	3.1
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	2.1 U	1.3 U
Chloroform	UG/M3	0.98 U	0.98 U	1.2	5.2	5.4
Chloromethane	UG/M3	1.0 U	1.1	1.2	2.5	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	1.1 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	2.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	2.9	2.9	3.8	4.0 U	3.8
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	1.4 U	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	3.4 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	12 U	59	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	1.6 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-08	H-09	H-09	H-10	H-10
Sample ID		H-08-SS	H-09-AI	H-09-SS	H-10-AI	H-10-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/18/15	02/19/15	02/19/15	02/19/15	02/19/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5 U	1.5 U	8.9	1.5 U
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	3.3 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	1.2 U	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 U	2.8 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	4.2 U	2.6 U
n-Butane	UG/M3	1.2 U	2.8	1.3	100	1.2
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.8 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	1.3 U	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U	1.1 U	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	1.6 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.8 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	1.4 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	24 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.8 U	1.1 U
Tetrachloroethene	UG/M3	3.6	1.4 U	3.0	2.4	14
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	24 U	15 U
Toluene	UG/M3	0.75 U	1.2	0.75 U	7.0	0.75 U
Trichloroethene	UG/M3	0.68	0.21 U	6.9	0.34 U	0.74
Trichlorofluoromethane	UG/M3	2.1	1.3	14	2.5	1.5
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.16 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	1.4 U	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.064 U	0.074 U	0.075 U	0.080 U	0.072 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-11	H-11	H-12	H-12	H-12
Sample ID		H-11-AI	H-11-SS	FD-022415-01	H-12-AI	FD-022415-02
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/19/15	02/19/15	02/24/15	02/24/15	02/24/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 UJ	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-11	H-11	H-12	H-12	H-12
Sample ID		H-11-AI	H-11-SS	FD-022415-01	H-12-AI	FD-022415-02
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/19/15	02/19/15	02/24/15	02/24/15	02/24/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U
Acetone	UG/M3	18	12 U	12 U	15 J	42
Benzene	UG/M3	0.80	0.64 U	0.73	0.77 J	0.64 U
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 UJ	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U
Carbon tetrachloride	UG/M3	0.48	0.49	0.39	0.31 J	0.25 U
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	3.0	3.0 J	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Chloroform	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	1.7
Chloromethane	UG/M3	1.5	1.0 U	1.0 U	1.1 J	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U
Dichlorodifluoromethane	UG/M3	2.9	3.1	2.9	3.0 J	3.6
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
Isopropanol	UG/M3	12 U	12 U	12 U	12 UJ	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-11	H-11	H-12	H-12	H-12
Sample ID		H-11-AI	H-11-SS	FD-022415-01	H-12-AI	FD-022415-02
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/19/15	02/19/15	02/24/15	02/24/15	02/24/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5 U	1.5 U	2.2 J	3.5 J
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 UJ	2.6 U
n-Butane	UG/M3	4.2	2.0	11	12 J	22
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
n-Heptane	UG/M3	0.94	0.82 U	0.82 U	0.82 UJ	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 UJ	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 UJ	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
Tetrachloroethene	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 UJ	15 U
Toluene	UG/M3	2.0	0.75 U	1.2	1.2 J	1.0
Trichloroethene	UG/M3	0.21 U	0.21 U	0.82	0.85 J	0.77
Trichlorofluoromethane	UG/M3	1.3	1.4	1.3	1.4 J	1.4
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.065 U	0.062 U	0.066 U	0.058 UJ	0.061 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL



**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-12	H-13	H-13	H-14	H-14
Sample ID		H-12-SS	H-13-AI	H-13-SS	H-14-AI	H-14-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	1.2	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	3.0	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-12	H-13	H-13	H-14	H-14
Sample ID		H-12-SS	H-13-AI	H-13-SS	H-14-AI	H-14-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	UG/M3	38	67	16	12 J	12 UJ
Benzene	UG/M3	0.64 U	0.77	0.89	0.78	0.97
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon tetrachloride	UG/M3	0.25 U	0.25 U	0.51	0.47	0.42
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	2.1	1.8 U	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	1.7	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	UG/M3	1.0 U	1.0 U	1.0 U	1.2	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	3.6	2.5 U	2.5	2.5 U	2.5 U
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	12 U	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-12	H-13	H-13	H-14	H-14
Sample ID		H-12-SS	H-13-AI	H-13-SS	H-14-AI	H-14-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/24/15	02/24/15	02/24/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	2.0 J	1.7	1.5 U	1.6	1.5 U
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7	8.0	1.7 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
n-Butane	UG/M3	21	3.1	2.7	4.0	2.8
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 U	15 U
Toluene	UG/M3	1.1	1.4	1.1	1.4	0.75 U
Trichloroethene	UG/M3	0.73	0.21 U	0.21 U	0.21 U	0.75
Trichlorofluoromethane	UG/M3	1.4	1.2	1.3	1.1 U	1.2
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.064 U	0.070 U	0.057 U	0.073 U	0.068 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-15	H-15	H-16	H-16	H-17
Sample ID		H-15-AI	H-15-SS	H-16-AI	H-16-SS	H-17-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/26/15	02/26/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	150	1.1 UJ	2.0	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	3.5	0.81 UJ	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 UJ	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 UJ	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 UJ	0.98 U	3.6
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 UJ	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 UJ	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 UJ	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 UJ	0.98 U	1.6
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 UJ	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 UJ	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.6	1.2 U	1.2 UJ	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 UJ	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	1.2	0.93 UJ	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-15	H-15	H-16	H-16	H-17
Sample ID		H-15-AI	H-15-SS	H-16-AI	H-16-SS	H-17-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/26/15	02/26/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 UJ	0.98 U	1.6
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Acetone	UG/M3	27 J	12 UJ	33 J	16	35
Benzene	UG/M3	0.78	0.66	0.82 J	0.99	0.72
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 UJ	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 UJ	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 UJ	1.8	1.6 U
Carbon tetrachloride	UG/M3	0.48	0.39	0.46 J	0.31	0.49
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 UJ	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	1.8 UJ	6.1	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U
Chloroform	UG/M3	0.98 U	0.98 U	1.1 J	0.98 U	1.7
Chloromethane	UG/M3	1.0 U	1.0 U	1.5 J	1.0 U	1.6
Cyclohexane	UG/M3	0.69 U	4.6	0.69 UJ	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 UJ	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	2.5 U	2.5 U	3.0 J	36	3.4
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 UJ	0.87 U	1.0
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	17 J	12 U	17
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-15	H-15	H-16	H-16	H-17
Sample ID		H-15-AI	H-15-SS	H-16-AI	H-16-SS	H-17-AI
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/24/15	02/24/15	02/26/15	02/26/15	02/26/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5 U	1.5 J	1.9	5.1
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 UJ	2.0 U	2.4
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 UJ	1.7 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U
n-Butane	UG/M3	3.7	1.9	8.1 J	2.2 J	6.3 J
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 UJ	0.82 U	1.2
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 UJ	0.70 U	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 UJ	0.85 U	11
tert-Butyl alcohol	UG/M3	15 U	15 U	15 UJ	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.4 U	1.4 U	1.4 UJ	4.8	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 U	15 UJ	15 U	15 U
Toluene	UG/M3	1.4	0.75 U	0.86 J	0.75 U	5.9
Trichloroethene	UG/M3	0.21 U	0.21 U	0.21 UJ	0.91	0.21 U
Trichlorofluoromethane	UG/M3	1.1	1.7	1.3 J	46	1.6
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 UJ	0.87 U	3.4
<b>Dissolved Gases</b>						
Methane	%V/V	0.060 U	0.063 U	0.055 UJ	0.071 U	0.065 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-17	H-18	H-18	H-19	H-19
Sample ID		H-17-SS	H-18-AI	H-18-SS	H-19-AI	H-19-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/15	02/26/15	02/26/15	02/27/15	02/27/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	1.4	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-17	H-18	H-18	H-19	H-19
Sample ID		H-17-SS	H-18-AI	H-18-SS	H-19-AI	H-19-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/15	02/26/15	02/26/15	02/27/15	02/27/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	UG/M3	24	360 D	25	12	24
Benzene	UG/M3	1.1	0.79	1.0	0.91	0.65
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon tetrachloride	UG/M3	0.37	0.48	0.47	0.25 U	0.32
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	1.3	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	UG/M3	1.0 U	1.6	1.0 U	1.6	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	3.3	3.2	2.9	2.7	4.4
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	21	12 U	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL



**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-17	H-18	H-18	H-19	H-19
Sample ID		H-17-SS	H-18-AI	H-18-SS	H-19-AI	H-19-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/15	02/26/15	02/26/15	02/27/15	02/27/15
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	2.9	3.5	2.0	1.5 U	2.3
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	UG/M3	2.0	1.7 U	2.4	1.9	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
n-Butane	UG/M3	2.4 J	160 D	2.9 J	11 J	2.1 J
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	1.5	0.82 U	1.3	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.9	2.3	1.4 U	1.4 U	7.5
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 U	15 U
Toluene	UG/M3	1.6	8.5	0.75 U	3.7	0.75 U
Trichloroethene	UG/M3	0.21 U	0.21 U	0.21 U	0.21 U	1.1
Trichlorofluoromethane	UG/M3	1.6	1.3	1.4	1.4	1.5
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
<b>Dissolved Gases</b>						
Methane	%V/V	0.069 U	0.065 U	0.068 U	0.060 U	0.065 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-20	H-20	H-21	H-21	H-21
Sample ID		H-20-AI	H-20-SS	FD-022715-02	H-21-AI	FD-022715-01
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 UJ
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 UJ
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	3.2 J
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 UJ
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 UJ
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	1.5 J
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 U	18 UJ
2,2,4-Trimethylpentane	UG/M3	1.8	1.1	0.93 U	0.93 U	0.93 UJ
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-20	H-20	H-21	H-21	H-21
Sample ID		H-20-AI	H-20-SS	FD-022715-02	H-21-AI	FD-022715-01
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	1.0 J
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Acetone	UG/M3	18	61	12 U	18	32 J
Benzene	UG/M3	1.2	0.97	0.71	0.73	0.64 UJ
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 UJ
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 UJ
Carbon disulfide	UG/M3	4.2	1.6 U	1.6 U	6.2	1.6 UJ
Carbon tetrachloride	UG/M3	0.44	0.42	0.39	0.35	0.35 J
Chlorobenzene	UG/M3	1.5	0.92 U	0.92 U	0.92 U	0.92 UJ
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ
Chloroform	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ
Chloromethane	UG/M3	1.4	1.0 U	1.4	1.4	1.0 J
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UJ
Dichlorodifluoromethane	UG/M3	8.7	4.8	3.2	3.3	2.8 J
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U	0.95	1.0 J
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Isopropanol	UG/M3	12 U	12 U	12 U	12 U	12 UJ
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-20	H-20	H-21	H-21	H-21
Sample ID		H-20-AI	H-20-SS	FD-022715-02	H-21-AI	FD-022715-01
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15	02/27/15	02/27/15
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	2.6	2.6	1.5 U	7.3	5.6 J
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ
Methylene chloride	UG/M3	1.7 U	1.9	1.7 U	1.7 U	1.7 UJ
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 UJ
n-Butane	UG/M3	6.0 J	3.5 J	3.9 J	4.1 J	3.9 J
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	1.2 J
n-Hexane	UG/M3	1.6	0.76	0.70 U	0.70 U	1.3 J
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 UJ
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 U	15 UJ
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
Tetrachloroethene	UG/M3	1.4 U	1.5	1.4 U	1.4 U	1.4 UJ
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 U	15 UJ
Toluene	UG/M3	4.0	3.0	2.2	2.0	2.3 J
Trichloroethene	UG/M3	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ
Trichlorofluoromethane	UG/M3	1.4	1.9	1.2	1.3	1.3 J
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Xylene (total)	UG/M3	2.3	0.87 U	0.87 U	0.87 U	7.1 J
<b>Dissolved Gases</b>						
Methane	%VV	0.062 U	0.066 U	0.061 U	0.066 U	0.055 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-21	H-22	H-22
Sample ID		H-21-SS	H-22-AI	H-22-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15
Parameter	Units			
<b>Volatile Organic Compounds</b>				
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,4-Dioxane	UG/M3	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-21	H-22	H-22
Sample ID		H-21-SS	H-22-AI	H-22-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15
Parameter	Units			
<b>Volatile Organic Compounds</b>				
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U
Acetone	UG/M3	12 U	12 J	12 UJ
Benzene	UG/M3	0.64 U	0.69	0.66
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U
Carbon tetrachloride	UG/M3	0.46	0.37	0.37
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	2.0	1.8 U	1.8 U
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	0.98 U	0.98 U	0.98 U
Chloromethane	UG/M3	1.0 U	1.1	1.0 U
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	2.8	2.5 U	2.5 U
Ethylbenzene	UG/M3	0.87 U	0.87 U	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

**Detection Limits shown are PQL**

**TABLE 2**  
**VALIDATED SUBSLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-21	H-22	H-22
Sample ID		H-21-SS	H-22-AI	H-22-SS
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-
Date Sampled		02/27/15	02/27/15	02/27/15
Parameter	Units			
<b>Volatile Organic Compounds</b>				
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5	1.5 U
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 U
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U
n-Butane	UG/M3	3.8 J	2.5	2.2
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U
Tetrachloroethene	UG/M3	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	UG/M3	15 U	15 U	15 U
Toluene	UG/M3	0.75 U	2.6	0.75 U
Trichloroethene	UG/M3	0.21 U	0.21 U	0.74
Trichlorofluoromethane	UG/M3	1.3	1.1 U	1.4
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U
<b>Dissolved Gases</b>				
Methane	%V/V	0.060 U	0.062 U	0.062 U

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

**Detection Limits shown are PQL**

**TABLE 3  
VALIDATED OUTDOOR AIR ANALYTICAL RESULTS  
COLLEGE POINT 3 SITE**

Location ID		H-06	H-08	H-09	H-12	H-12
Sample ID		H-06-OA	H-08-OA	H-09-OA	FD-022415-03	H-12-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/19/15	02/24/15	02/24/15
Parameter	Units				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>						
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 UJ
1,1-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 UJ
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 UJ	3.7 UJ
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ
1,2-Dibromoethane	UG/M3	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 UJ
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 UJ
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 UJ
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 UJ
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 UJ
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 UJ
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
1,4-Dioxane	UG/M3	18 U	18 U	18 U	18 UJ	18 UJ
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 UJ
2-Chlorotoluene	UG/M3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
2-Hexanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ

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**TABLE 3**  
**VALIDATED OUTDOOR AIR ANALYTICAL RESULTS**  
**COLLEGE POINT 3 SITE**

Location ID		H-06	H-08	H-09	H-12	H-12
Sample ID		H-06-OA	H-08-OA	H-09-OA	FD-022415-03	H-12-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/19/15	02/24/15	02/24/15
Parameter	Units				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>						
3-Chloropropene	UG/M3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Acetone	UG/M3	12 U	12 U	15	12 UJ	12 UJ
Benzene	UG/M3	0.82	1.1	0.77	0.64 UJ	0.72 J
Benzyl chloride	UG/M3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ
Bromoethene	UG/M3	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 UJ
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 UJ	0.78 UJ
Carbon disulfide	UG/M3	1.6 U	1.6 U	1.6 U	1.6 UJ	2.6 J
Carbon tetrachloride	UG/M3	0.46	0.50	0.37	0.32 J	0.45 J
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 UJ
Chlorodifluoromethane	UG/M3	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ
Chloroform	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ
Chloromethane	UG/M3	1.3	1.2	1.0 U	1.0 UJ	1.1 J
Cyclohexane	UG/M3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 UJ
Dichlorodifluoromethane	UG/M3	2.9	2.6	2.9	2.9 J	3.0 J
Ethylbenzene	UG/M3	0.87 U	0.87 U	1.6	0.87 UJ	0.87 UJ
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ
Isopropanol	UG/M3	12 U	12 U	12 U	12 UJ	12 UJ
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

Detection Limits shown are PQL

**TABLE 3  
VALIDATED OUTDOOR AIR ANALYTICAL RESULTS  
COLLEGE POINT 3 SITE**

Location ID		H-06	H-08	H-09	H-12	H-12
Sample ID		H-06-OA	H-08-OA	H-09-OA	FD-022415-03	H-12-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/17/15	02/18/15	02/19/15	02/24/15	02/24/15
Parameter	Units				Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone (2-Butanone)	UG/M3	1.6	1.5 U	14	1.5 UJ	1.5 UJ
Methyl methacrylate	UG/M3	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ
Methylene chloride	UG/M3	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 UJ
Naphthalene	UG/M3	2.6 U	2.6 U	2.6 U	2.6 UJ	2.6 UJ
n-Butane	UG/M3	3.2	4.0	1.9	1.5 J	1.8 J
n-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
n-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 UJ
n-Hexane	UG/M3	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 UJ
n-Propylbenzene	UG/M3	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ
sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
Styrene	UG/M3	0.85 U	0.85 U	0.85 U	0.85 UJ	0.85 UJ
tert-Butyl alcohol	UG/M3	15 U	15 U	15 U	15 UJ	15 UJ
tert-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
Tetrachloroethene	UG/M3	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 UJ	15 UJ
Toluene	UG/M3	0.91	1.6	2.3	0.75 UJ	0.75 J
Trichloroethene	UG/M3	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 UJ
Trichlorofluoromethane	UG/M3	1.3	1.3	1.3	1.2 J	1.2 J
Vinyl chloride	UG/M3	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ
Xylene (total)	UG/M3	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 UJ
<b>Dissolved Gases</b>						
Methane	%VV	0.055 U	0.055 U	0.069 U	0.058 UJ	0.059 UJ

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

**TABLE 3  
VALIDATED OUTDOOR AIR ANALYTICAL RESULTS  
COLLEGE POINT 3 SITE**

Location ID		H-18	H-21	H-21
Sample ID		H-18-OA	FD-022715-03	H-21-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-
Date Sampled		02/26/15	02/27/15	02/27/15
Parameter	Units		Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>				
1,1,1-Trichloroethane	UG/M3	1.1 U	1.1 UJ	1.1 UJ
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 UJ	1.4 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5 U	1.5 UJ	1.5 UJ
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 UJ	1.1 UJ
1,1-Dichloroethane	UG/M3	0.81 U	0.81 UJ	0.81 UJ
1,1-Dichloroethene	UG/M3	0.79 U	0.79 UJ	0.79 UJ
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 UJ	3.7 UJ
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 UJ
1,2-Dibromoethane	UG/M3	1.5 U	1.5 UJ	1.5 UJ
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 UJ
1,2-Dichloroethane	UG/M3	0.81 U	0.81 UJ	0.81 UJ
1,2-Dichloroethene (cis)	UG/M3	0.79 U	0.79 UJ	0.79 UJ
1,2-Dichloroethene (trans)	UG/M3	0.79 U	0.79 UJ	0.79 UJ
1,2-Dichloropropane	UG/M3	0.92 U	0.92 UJ	0.92 UJ
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 UJ	1.4 UJ
1,3,5-Trimethylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 UJ
1,3-Butadiene	UG/M3	0.44 U	0.44 UJ	0.44 UJ
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 UJ
1,3-Dichloropropene (cis)	UG/M3	0.91 U	0.91 UJ	0.91 UJ
1,3-Dichloropropene (trans)	UG/M3	0.91 U	0.91 UJ	0.91 UJ
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 UJ	1.2 UJ
1,4-Dioxane	UG/M3	18 U	18 UJ	18 UJ
2,2,4-Trimethylpentane	UG/M3	0.93 U	0.93 UJ	0.93 UJ
2-Chlorotoluene	UG/M3	1.0 U	1.0 UJ	1.0 UJ
2-Hexanone	UG/M3	2.0 U	2.0 UJ	2.0 UJ

Flags assigned during chemistry validation are shown.

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**Detection Limits shown are PQL**

**TABLE 3  
VALIDATED OUTDOOR AIR ANALYTICAL RESULTS  
COLLEGE POINT 3 SITE**

Location ID		H-18	H-21	H-21
Sample ID		H-18-OA	FD-022715-03	H-21-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-
Date Sampled		02/26/15	02/27/15	02/27/15
Parameter	Units		Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>				
3-Chloropropene	UG/M3	1.6 U	1.6 UJ	1.6 UJ
4-Ethyltoluene	UG/M3	0.98 U	0.98 UJ	0.98 UJ
4-Isopropyltoluene (p-Cymene)	UG/M3	1.1 U	1.1 UJ	1.1 UJ
4-Methyl-2-pentanone	UG/M3	2.0 U	2.0 UJ	2.0 UJ
Acetone	UG/M3	12 U	12 UJ	12 UJ
Benzene	UG/M3	0.69	0.80 J	0.64 UJ
Benzyl chloride	UG/M3	1.0 U	1.0 UJ	1.0 UJ
Bromodichloromethane	UG/M3	1.3 U	1.3 UJ	1.3 UJ
Bromoform	UG/M3	2.1 U	2.1 UJ	2.1 UJ
Bromoethene	UG/M3	0.87 U	0.87 UJ	0.87 UJ
Bromomethane	UG/M3	0.78 U	0.78 UJ	0.78 UJ
Carbon disulfide	UG/M3	1.6 U	1.6 UJ	1.6 UJ
Carbon tetrachloride	UG/M3	0.40	0.43 J	0.25 UJ
Chlorobenzene	UG/M3	0.92 U	0.92 UJ	0.92 UJ
Chlorodifluoromethane	UG/M3	1.8 U	1.8 UJ	1.8 UJ
Chloroethane	UG/M3	1.3 U	1.3 UJ	1.3 UJ
Chloroform	UG/M3	0.98 U	0.98 UJ	0.98 UJ
Chloromethane	UG/M3	1.4	1.6 J	1.5 J
Cyclohexane	UG/M3	0.69 U	0.69 UJ	0.69 UJ
Dibromochloromethane	UG/M3	1.7 U	1.7 UJ	1.7 UJ
Dichlorodifluoromethane	UG/M3	2.7	2.7 J	2.5 UJ
Ethylbenzene	UG/M3	0.87 U	0.87 UJ	0.87 UJ
Hexachlorobutadiene	UG/M3	2.1 U	2.1 UJ	2.1 UJ
Isopropanol	UG/M3	12 U	12 UJ	12 UJ
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 UJ	0.98 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

**Detection Limits shown are PQL**

**TABLE 3  
VALIDATED OUTDOOR AIR ANALYTICAL RESULTS  
COLLEGE POINT 3 SITE**

Location ID		H-18	H-21	H-21
Sample ID		H-18-OA	FD-022715-03	H-21-OA
Matrix		Outdoor Air	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-
Date Sampled		02/26/15	02/27/15	02/27/15
Parameter	Units		Field Duplicate (1-1)	
<b>Volatile Organic Compounds</b>				
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5 U	1.5 UJ	1.5 UJ
Methyl methacrylate	UG/M3	2.0 U	2.0 UJ	2.0 UJ
Methyl tert-butyl ether	UG/M3	0.72 U	0.72 UJ	0.72 UJ
Methylene chloride	UG/M3	1.7 U	1.7 UJ	1.7 UJ
Naphthalene	UG/M3	2.6 U	2.6 UJ	2.6 UJ
n-Butane	UG/M3	3.1 J	4.2 J	1.2 UJ
n-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 UJ
n-Heptane	UG/M3	0.82 U	0.82 UJ	0.82 UJ
n-Hexane	UG/M3	0.70 U	0.77 J	0.70 UJ
n-Propylbenzene	UG/M3	0.98 U	0.98 UJ	0.98 UJ
sec-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 UJ
Styrene	UG/M3	0.85 U	0.85 UJ	0.85 UJ
tert-Butyl alcohol	UG/M3	15 U	15 UJ	15 UJ
tert-Butylbenzene	UG/M3	1.1 U	1.1 UJ	1.1 UJ
Tetrachloroethene	UG/M3	1.4 U	1.4 UJ	1.4 UJ
Tetrahydrofuran	UG/M3	15 U	15 UJ	15 UJ
Toluene	UG/M3	0.79	0.75 UJ	0.75 UJ
Trichloroethene	UG/M3	0.21 U	0.21 UJ	0.21 UJ
Trichlorofluoromethane	UG/M3	1.3	1.2 J	1.1 UJ
Vinyl chloride	UG/M3	0.10 U	0.10 UJ	0.10 UJ
Xylene (total)	UG/M3	0.87 U	0.87 UJ	0.87 UJ
<b>Dissolved Gases</b>				
Methane	%VV	0.059 U	0.056 UJ	0.055 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 03/16/2015 Checked By: PRF 03/19/2015

**Detection Limits shown are PQL**

ATTACHMENT A  
VALIDATED FORM I's

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-AI Lab Sample ID: 200-26852-15  
 Matrix: Air Lab File ID: 12441\_013.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 286(mL) Date Analyzed: 03/07/2015 00:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1		1.0
106-97-8	n-Butane	58.12	2.9		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	35		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.9		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.64		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.0		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-AI Lab Sample ID: 200-26852-15  
 Matrix: Air Lab File ID: 12441\_013.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 286(mL) Date Analyzed: 03/07/2015 00:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.9		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-AI Lab Sample ID: 200-26852-15  
 Matrix: Air Lab File ID: 12441\_013.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 286(mL) Date Analyzed: 03/07/2015 00:41  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-SS Lab Sample ID: 200-26852-14  
 Matrix: Air Lab File ID: 12328\_24.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 07:20  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	61		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	8.1		1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	18		1.1
76-13-1	Freon TF	187.38	5.2		1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	5.9		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-SS Lab Sample ID: 200-26852-14  
 Matrix: Air Lab File ID: 12328\_24.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 07:20  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	4.2		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.78		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	17		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-SS Lab Sample ID: 200-26852-14  
 Matrix: Air Lab File ID: 12328\_24.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/28/2015 07:20  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-AI Lab Sample ID: 200-26767-7  
 Matrix: Air Lab File ID: 12224-022.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:53  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 00:55  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1		1.0
106-97-8	n-Butane	58.12	6.7		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	15		12
67-63-0	Isopropyl alcohol	60.10	23		12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.79		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.38		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.1		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-AI Lab Sample ID: 200-26767-7  
 Matrix: Air Lab File ID: 12224-022.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:53  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 00:55  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.9		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-AI Lab Sample ID: 200-26767-7  
 Matrix: Air Lab File ID: 12224-022.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:53  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 00:55  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-SS Lab Sample ID: 200-26767-6  
 Matrix: Air Lab File ID: 12224-021.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:55  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2015 00:08  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	15		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	17		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	2.3		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.35		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-SS Lab Sample ID: 200-26767-6  
 Matrix: Air Lab File ID: 12224-021.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:55  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 00:08  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.1		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-SS Lab Sample ID: 200-26767-6  
 Matrix: Air Lab File ID: 12224-021.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 16:55  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2015 00:08  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-AI Lab Sample ID: 200-26767-9  
 Matrix: Air Lab File ID: 12224-024.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:52  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 02:28  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1		1.0
106-97-8	n-Butane	58.12	44		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	14		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.73		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.7		1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.35		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.95		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-AI Lab Sample ID: 200-26767-9  
 Matrix: Air Lab File ID: 12224-024.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:52  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2015 02:28  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.8	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-AI Lab Sample ID: 200-26767-9  
 Matrix: Air Lab File ID: 12224-024.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:52  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 02:28  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-OA Lab Sample ID: 200-26767-10  
 Matrix: Air Lab File ID: 12224-025.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:47  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 03:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.3		1.0
106-97-8	n-Butane	58.12	3.2		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.46		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.82		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-OA Lab Sample ID: 200-26767-10  
 Matrix: Air Lab File ID: 12224-025.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:47  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 03:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.91		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-OA Lab Sample ID: 200-26767-10  
 Matrix: Air Lab File ID: 12224-025.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:47  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 03:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-SS Lab Sample ID: 200-26767-8  
 Matrix: Air Lab File ID: 12224-023.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:50  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.7		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.9		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	3.1		1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.33		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.69		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-SS Lab Sample ID: 200-26767-8  
 Matrix: Air Lab File ID: 12224-023.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:50  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-SS Lab Sample ID: 200-26767-8  
 Matrix: Air Lab File ID: 12224-023.D  
 Analysis Method: TO-15 Date Collected: 02/17/2015 17:50  
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-AI Lab Sample ID: 200-26767-2  
 Matrix: Air Lab File ID: 12224-017.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:20  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 21:02  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.2		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.4		1.0
106-97-8	n-Butane	58.12	39		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	18		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	1.3		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	2.1		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.53		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	1.4		0.93
71-43-2	Benzene	78.11	2.3		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-AI Lab Sample ID: 200-26767-2  
 Matrix: Air Lab File ID: 12224-017.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:20  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 21:02  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	5.8	U	2.0
108-88-3	Toluene	92.14	6.6	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	38	U	0.87
179601-23-1	m,p-Xylene	106.17	130	U	2.2
95-47-6	Xylene, o-	106.17	43	U	0.87
1330-20-7	Xylene (total)	106.17	170	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-AI Lab Sample ID: 200-26767-2  
 Matrix: Air Lab File ID: 12224-017.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:20  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 21:02  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0 U	5	1.0
104-51-8	n-Butylbenzene	134.22	1.1 U	↓	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2 U		1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7 U		3.7
87-68-3	Hexachlorobutadiene	260.76	2.1 U		2.1
91-20-3	Naphthalene	128.17	2.6 U		2.6

*OK  
2/20/15*

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-07-AI(R) Lab Sample ID: 200-26891-8  
 Matrix: Air Lab File ID: 12440-014.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:04  
 Sample wt/vol: 310(mL) Date Analyzed: 03/06/2015 20:47  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.8		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	2.0		1.0
106-97-8	n-Butane	58.12	7.4		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.7		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	22		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.89		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	2.5		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.59		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.2		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-07-AI(R) Lab Sample ID: 200-26891-8  
 Matrix: Air Lab File ID: 12440-014.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:04  
 Sample wt/vol: 310(mL) Date Analyzed: 03/06/2015 20:47  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	4.3		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	1.6		0.87
179601-23-1	m,p-Xylene	106.17	6.4		2.2
95-47-6	Xylene, o-	106.17	2.1		0.87
1330-20-7	Xylene (total)	106.17	8.6		0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-07-AI(R) Lab Sample ID: 200-26891-8  
 Matrix: Air Lab File ID: 12440-014.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:04  
 Sample wt/vol: 310(mL) Date Analyzed: 03/06/2015 20:47  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-SS Lab Sample ID: 200-26767-1  
 Matrix: Air Lab File ID: 12224-016.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:29  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 20:16  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-SS Lab Sample ID: 200-26767-1  
 Matrix: Air Lab File ID: 12224-016.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:29  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2015 20:16  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-SS Lab Sample ID: 200-26767-1  
 Matrix: Air Lab File ID: 12224-016.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 07:29  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 20:16  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-AI Lab Sample ID: 200-26767-5  
 Matrix: Air Lab File ID: 12224-020.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:09  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 23:22  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	23		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	2.8		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-AI Lab Sample ID: 200-26767-5  
 Matrix: Air Lab File ID: 12224-020.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:09  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 23:22  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.4		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-AI Lab Sample ID: 200-26767-5  
 Matrix: Air Lab File ID: 12224-020.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:09  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 23:22  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-OA Lab Sample ID: 200-26767-3  
 Matrix: Air Lab File ID: 12224-018.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:15  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 21:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.2		1.0
106-97-8	n-Butane	58.12	4.0		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.50		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.1		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-OA Lab Sample ID: 200-26767-3  
 Matrix: Air Lab File ID: 12224-018.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:15  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2015 21:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.6		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-OA Lab Sample ID: 200-26767-3  
 Matrix: Air Lab File ID: 12224-018.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:15  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 21:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-SS Lab Sample ID: 200-26767-4  
 Matrix: Air Lab File ID: 12224-019.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 22:35  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	2.1		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-SS Lab Sample ID: 200-26767-4  
 Matrix: Air Lab File ID: 12224-019.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 22:35  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.68		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	3.6		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-SS Lab Sample ID: 200-26767-4  
 Matrix: Air Lab File ID: 12224-019.D  
 Analysis Method: TO-15 Date Collected: 02/18/2015 10:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2015 22:35  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84725 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-AI Lab Sample ID: 200-26852-2  
 Matrix: Air Lab File ID: 12328\_12.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:35  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	31		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1		1.0
106-97-8	n-Butane	58.12	2.8		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.40		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.79		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-AI Lab Sample ID: 200-26852-2  
 Matrix: Air Lab File ID: 12328\_12.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:35  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.2		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-AI Lab Sample ID: 200-26852-2  
 Matrix: Air Lab File ID: 12328\_12.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:35  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-OA Lab Sample ID: 200-26852-3  
 Matrix: Air Lab File ID: 12328\_13.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:37  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:57  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.9		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	15		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	14		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.37		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.77		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-OA Lab Sample ID: 200-26852-3  
 Matrix: Air Lab File ID: 12328\_13.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:37  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:57  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.3		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	1.6		0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-OA Lab Sample ID: 200-26852-3  
 Matrix: Air Lab File ID: 12328\_13.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:37  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 21:57  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-SS Lab Sample ID: 200-26852-1  
 Matrix: Air Lab File ID: 12328\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:27  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 20:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.8		2.5
75-45-6	Freon 22	86.47	3.3		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.2		1.0
106-97-8	n-Butane	58.12	1.3		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	14		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.2		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.49		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.80		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-SS Lab Sample ID: 200-26852-1  
 Matrix: Air Lab File ID: 12328\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:27  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 20:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	6.9		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	3.0		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-SS Lab Sample ID: 200-26852-1  
 Matrix: Air Lab File ID: 12328\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 07:27  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 20:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-A1 Lab Sample ID: 200-26852-5  
 Matrix: Air Lab File ID: 12369\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:18  
 Sample wt/vol: 250 (mL) Date Analyzed: 03/03/2015 18:53  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.6  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85036 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	4.0	U	4.0
75-45-6	Freon 22	86.47	2.8	U	2.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.2	U	2.2
74-87-3	Chloromethane	50.49	2.5		1.7
106-97-8	n-Butane	58.12	100		1.9
75-01-4	Vinyl chloride	62.50	0.16	U	0.16
106-99-0	1,3-Butadiene	54.09	0.71	U	0.71
74-83-9	Bromomethane	94.94	1.2	U	1.2
75-00-3	Chloroethane	64.52	2.1	U	2.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	1.4	U	1.4
75-69-4	Trichlorofluoromethane	137.37	2.5		1.8
76-13-1	Freon TF	187.38	2.5	U	2.5
75-35-4	1,1-Dichloroethene	96.94	1.3	U	1.3
67-64-1	Acetone	58.08	42		19
67-63-0	Isopropyl alcohol	60.10	59		20
75-15-0	Carbon disulfide	76.14	2.5	U	2.5
107-05-1	3-Chloropropene	76.53	2.5	U	2.5
75-09-2	Methylene Chloride	84.93	2.8	U	2.8
75-65-0	tert-Butyl alcohol	74.12	24	U	24
1634-04-4	Methyl tert-butyl ether	88.15	1.2	U	1.2
156-60-5	trans-1,2-Dichloroethene	96.94	1.3	U	1.3
110-54-3	n-Hexane	86.17	1.1	U	1.1
75-34-3	1,1-Dichloroethane	98.96	1.3	U	1.3
78-93-3	Methyl Ethyl Ketone	72.11	8.9		2.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.3	U	1.3
540-59-0	1,2-Dichloroethene, Total	96.94	1.3	U	1.3
67-66-3	Chloroform	119.38	5.2		1.6
109-99-9	Tetrahydrofuran	72.11	24	U	24
71-55-6	1,1,1-Trichloroethane	133.41	1.7	U	1.7
110-82-7	Cyclohexane	84.16	1.1	U	1.1
56-23-5	Carbon tetrachloride	153.81	0.95		0.40
540-84-1	2,2,4-Trimethylpentane	114.23	1.5	U	1.5
71-43-2	Benzene	78.11	1.3		1.0
107-06-2	1,2-Dichloroethane	98.96	3.4		1.3

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-A1 Lab Sample ID: 200-26852-5  
 Matrix: Air Lab File ID: 12369\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:18  
 Sample wt/vol: 250 (mL) Date Analyzed: 03/03/2015 18:53  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.6  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85036 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	1.3	U	1.3
79-01-6	Trichloroethene	131.39	0.34	U	0.34
80-62-6	Methyl methacrylate	100.12	3.3	U	3.3
78-87-5	1,2-Dichloropropane	112.99	1.5	U	1.5
123-91-1	1,4-Dioxane	88.11	29	U	29
75-27-4	Bromodichloromethane	163.83	2.1	U	2.1
10061-01-5	cis-1,3-Dichloropropene	110.97	1.5	U	1.5
108-10-1	methyl isobutyl ketone	100.16	3.3	U	3.3
108-88-3	Toluene	92.14	7.0	U	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	1.5	U	1.5
79-00-5	1,1,2-Trichloroethane	133.41	1.7	U	1.7
127-18-4	Tetrachloroethene	165.83	2.4	U	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.3	U	3.3
124-48-1	Dibromochloromethane	208.29	2.7	U	2.7
106-93-4	1,2-Dibromoethane	187.87	2.5	U	2.5
108-90-7	Chlorobenzene	112.56	1.5	U	1.5
100-41-4	Ethylbenzene	106.17	1.4	U	1.4
179601-23-1	m,p-Xylene	106.17	3.5	U	3.5
95-47-6	Xylene, o-	106.17	1.4	U	1.4
1330-20-7	Xylene (total)	106.17	1.4	U	1.4
100-42-5	Styrene	104.15	1.4	U	1.4
75-25-2	Bromoform	252.75	3.3	U	3.3
98-82-8	Cumene	120.19	1.6	U	1.6
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.2	U	2.2
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6
95-49-8	2-Chlorotoluene	126.59	1.7	U	1.7
98-06-6	tert-Butylbenzene	134.22	1.8	U	1.8
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6
135-98-8	sec-Butylbenzene	134.22	1.8	U	1.8
99-87-6	4-Isopropyltoluene	134.22	2.8	U	1.8
541-73-1	1,3-Dichlorobenzene	147.00	1.9	U	1.9
106-46-7	1,4-Dichlorobenzene	147.00	1.9	U	1.9

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-A1 Lab Sample ID: 200-26852-5  
 Matrix: Air Lab File ID: 12369\_11.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:18  
 Sample wt/vol: 250(mL) Date Analyzed: 03/03/2015 18:53  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.6  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85036 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.7	U	1.7
104-51-8	n-Butylbenzene	134.22	1.8	U	1.8
95-50-1	1,2-Dichlorobenzene	147.00	1.9	U	1.9
120-82-1	1,2,4-Trichlorobenzene	181.45	5.9	U	5.9
87-68-3	Hexachlorobutadiene	260.76	3.4	U	3.4
91-20-3	Naphthalene	128.17	4.2	U	4.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-SS Lab Sample ID: 200-26852-4  
 Matrix: Air Lab File ID: 12328\_14.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 22:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.8		2.5
75-45-6	Freon 22	86.47	3.1		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	5.4		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.65		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-SS Lab Sample ID: 200-26852-4  
 Matrix: Air Lab File ID: 12328\_14.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 22:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.74		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	14		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-SS Lab Sample ID: 200-26852-4  
 Matrix: Air Lab File ID: 12328\_14.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 11:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/27/2015 22:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-AI Lab Sample ID: 200-26852-7  
 Matrix: Air Lab File ID: 12328\_17.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 01:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.5		1.0
106-97-8	n-Butane	58.12	4.2		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	18		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.48		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.80		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-AI Lab Sample ID: 200-26852-7  
 Matrix: Air Lab File ID: 12328\_17.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 01:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.94		0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.0		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-AI Lab Sample ID: 200-26852-7  
 Matrix: Air Lab File ID: 12328\_17.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:10  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/28/2015 01:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-SS Lab Sample ID: 200-26852-6  
 Matrix: Air Lab File ID: 12328\_16.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:02  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 00:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.1		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.0		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.49		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-SS Lab Sample ID: 200-26852-6  
 Matrix: Air Lab File ID: 12328\_16.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:02  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 00:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-SS Lab Sample ID: 200-26852-6  
 Matrix: Air Lab File ID: 12328\_16.D  
 Analysis Method: TO-15 Date Collected: 02/19/2015 15:02  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 00:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-AI Lab Sample ID: 200-26852-9  
 Matrix: Air Lab File ID: 12328\_19.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:03  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.0	U	2.5
75-45-6	Freon 22	86.47	3.0	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1	U	1.0
106-97-8	n-Butane	58.12	12	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	15	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.2	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.31	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.77	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-AI Lab Sample ID: 200-26852-9  
 Matrix: Air Lab File ID: 12328\_19.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:03  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.85	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.2	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-AI Lab Sample ID: 200-26852-9  
 Matrix: Air Lab File ID: 12328\_19.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:10  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:03  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U <i>3</i>	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

*OK  
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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

H-12-AI

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-01 Lab Sample ID: 200-26852-11  
 Matrix: Air Lab File ID: 12328\_21.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 04:46  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	3.0		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	11		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.39		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.73		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

H-12-AI

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-01 Lab Sample ID: 200-26852-11  
 Matrix: Air Lab File ID: 12328\_21.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 04:46  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.82		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.2		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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H-12-AI

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-01 Lab Sample ID: 200-26852-11  
 Matrix: Air Lab File ID: 12328\_21.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/28/2015 04:46  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-OA Lab Sample ID: 200-26852-10  
 Matrix: Air Lab File ID: 12328\_20.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:17  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:55  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.0	J	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1	J	1.0
106-97-8	n-Butane	58.12	1.8	J	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2	J	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	2.6	J	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.45	J	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.72	J	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-OA Lab Sample ID: 200-26852-10  
 Matrix: Air Lab File ID: 12328\_20.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:17  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:55  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

↓

OK  
3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-OA Lab Sample ID: 200-26852-10  
 Matrix: Air Lab File ID: 12328\_20.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:17  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 03:55  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

*OK*  
*2/28/15*

H-12-0A

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-03 Lab Sample ID: 200-26852-13  
 Matrix: Air Lab File ID: 12328\_23.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 06:29  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9	J	2.5
75-45-6	Freon 22	86.47	1.8	U J	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U ↓	1.0
106-97-8	n-Butane	58.12	1.5	J	1.2
75-01-4	Vinyl chloride	62.50	0.10	U J	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U ↓	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U ↓	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2	J	1.1
76-13-1	Freon TF	187.38	1.5	U J	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U ↓	0.69
56-23-5	Carbon tetrachloride	153.81	0.32	J	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U J	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U ↓	0.81

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4-12-07

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-03 Lab Sample ID: 200-26852-13  
 Matrix: Air Lab File ID: 12328\_23.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 06:29  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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H-12-07

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-03 Lab Sample ID: 200-26852-13  
 Matrix: Air Lab File ID: 12328\_23.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200 (mL) Date Analyzed: 02/28/2015 06:29  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U <i>3</i>	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U <i>↓</i>	2.6

*OK*  
*3/13/15*



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-SS Lab Sample ID: 200-26852-8  
 Matrix: Air Lab File ID: 12328\_18.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 02:12  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.6		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	21		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	38		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.0	5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.7		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-SS Lab Sample ID: 200-26852-8  
 Matrix: Air Lab File ID: 12328\_18.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 02:12  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.73		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.1		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-SS Lab Sample ID: 200-26852-8  
 Matrix: Air Lab File ID: 12328\_18.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 09:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 02:12  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

H-12-SS

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-02 Lab Sample ID: 200-26852-12  
 Matrix: Air Lab File ID: 12328\_22.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 05:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.6		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	22		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	42		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	3.5		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.7		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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H-12-SS

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-02 Lab Sample ID: 200-26852-12  
 Matrix: Air Lab File ID: 12328\_22.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 05:37  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.77		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.0		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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4-12-35

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-02 Lab Sample ID: 200-26852-12  
 Matrix: Air Lab File ID: 12328\_22.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 200(mL) Date Analyzed: 02/28/2015 05:37  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84958 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

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3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-AI Lab Sample ID: 200-26852-17  
 Matrix: Air Lab File ID: 12441\_015.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:04  
 Sample wt/vol: 350(mL) Date Analyzed: 03/07/2015 02:26  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	3.1		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	67		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.7		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.77		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-AI Lab Sample ID: 200-26852-17  
 Matrix: Air Lab File ID: 12441\_015.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:04  
 Sample wt/vol: 350(mL) Date Analyzed: 03/07/2015 02:26  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.4		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	1.2		0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-AI Lab Sample ID: 200-26852-17  
 Matrix: Air Lab File ID: 12441\_015.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:04  
 Sample wt/vol: 350 (mL) Date Analyzed: 03/07/2015 02:26  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-SS Lab Sample ID: 200-26852-16  
 Matrix: Air Lab File ID: 12441\_014.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:03  
 Sample wt/vol: 284 (mL) Date Analyzed: 03/07/2015 01:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5
75-45-6	Freon 22	86.47	2.1		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.7		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	16		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	8.0		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.51		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	3.0		0.93
71-43-2	Benzene	78.11	0.89		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-SS Lab Sample ID: 200-26852-16  
 Matrix: Air Lab File ID: 12441\_014.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:03  
 Sample wt/vol: 284 (mL) Date Analyzed: 03/07/2015 01:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.1		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-SS Lab Sample ID: 200-26852-16  
 Matrix: Air Lab File ID: 12441\_014.d  
 Analysis Method: TO-15 Date Collected: 02/24/2015 13:03  
 Sample wt/vol: 284 (mL) Date Analyzed: 03/07/2015 01:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85199 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-AI Lab Sample ID: 200-26852-19  
 Matrix: Air Lab File ID: 12454\_08.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:04  
 Sample wt/vol: 364 (mL) Date Analyzed: 03/09/2015 15:28  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.2		1.0
106-97-8	n-Butane	58.12	4.0		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12		12
67-63-0	Isopropyl alcohol	60.10	12		12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.47		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.78		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-AI Lab Sample ID: 200-26852-19  
 Matrix: Air Lab File ID: 12454\_08.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:04  
 Sample wt/vol: 364 (mL) Date Analyzed: 03/09/2015 15:28  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.4		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-AI Lab Sample ID: 200-26852-19  
 Matrix: Air Lab File ID: 12454\_08.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:04  
 Sample wt/vol: 364(mL) Date Analyzed: 03/09/2015 15:28  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-SS Lab Sample ID: 200-26852-18  
 Matrix: Air Lab File ID: 12454\_07.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:06  
 Sample wt/vol: 340(mL) Date Analyzed: 03/09/2015 14:40  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.8		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.42		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.97		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-SS Lab Sample ID: 200-26852-18  
 Matrix: Air Lab File ID: 12454\_07.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:06  
 Sample wt/vol: 340(mL) Date Analyzed: 03/09/2015 14:40  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.75		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-SS Lab Sample ID: 200-26852-18  
 Matrix: Air Lab File ID: 12454\_07.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:06  
 Sample wt/vol: 340(mL) Date Analyzed: 03/09/2015 14:40  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-AI Lab Sample ID: 200-26852-21  
 Matrix: Air Lab File ID: 12454\_10.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:32  
 Sample wt/vol: 302 (mL) Date Analyzed: 03/09/2015 17:02  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	3.7		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	27	3	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.48		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.78		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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3/9/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-AI Lab Sample ID: 200-26852-21  
 Matrix: Air Lab File ID: 12454\_10.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:32  
 Sample wt/vol: 302(mL) Date Analyzed: 03/09/2015 17:02  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.4		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.6		1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-AI Lab Sample ID: 200-26852-21  
 Matrix: Air Lab File ID: 12454\_10.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:32  
 Sample wt/vol: 302(mL) Date Analyzed: 03/09/2015 17:02  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-SS Lab Sample ID: 200-26852-20  
 Matrix: Air Lab File ID: 12454\_09.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:35  
 Sample wt/vol: 314 (mL) Date Analyzed: 03/09/2015 16:15  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.9		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.7		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	3.5		0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	150		1.1
110-82-7	Cyclohexane	84.16	4.6		0.69
56-23-5	Carbon tetrachloride	153.81	0.39		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.93
71-43-2	Benzene	78.11	0.66		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-SS Lab Sample ID: 200-26852-20  
 Matrix: Air Lab File ID: 12454\_09.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:35  
 Sample wt/vol: 314(mL) Date Analyzed: 03/09/2015 16:15  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-SS Lab Sample ID: 200-26852-20  
 Matrix: Air Lab File ID: 12454\_09.D  
 Analysis Method: TO-15 Date Collected: 02/24/2015 15:35  
 Sample wt/vol: 314(mL) Date Analyzed: 03/09/2015 16:15  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-AI Lab Sample ID: 200-26891-2  
 Matrix: Air Lab File ID: 12440-008.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:33  
 Sample wt/vol: 276(mL) Date Analyzed: 03/06/2015 15:54  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.0		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.5		1.0
106-97-8	n-Butane	58.12	8.1		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	33		12
67-63-0	Isopropyl alcohol	60.10	17		12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.1		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.46		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.82		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

  
 3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-AI Lab Sample ID: 200-26891-2  
 Matrix: Air Lab File ID: 12440-008.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:33  
 Sample wt/vol: 276(mL) Date Analyzed: 03/06/2015 15:54  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U <i>J</i>	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.86	<i>J</i>	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	<i>J</i>	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-AI Lab Sample ID: 200-26891-2  
 Matrix: Air Lab File ID: 12440-008.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:33  
 Sample wt/vol: 276(mL) Date Analyzed: 03/06/2015 15:54  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

*OK  
3/3/15*

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-SS Lab Sample ID: 200-26891-1  
 Matrix: Air Lab File ID: 12440-007.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:35  
 Sample wt/vol: 356(mL) Date Analyzed: 03/06/2015 15:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	36		2.5
75-45-6	Freon 22	86.47	6.1		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.2	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	46		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	16		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.8		1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.9		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	2.0		1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.31		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.99		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-SS Lab Sample ID: 200-26891-1  
 Matrix: Air Lab File ID: 12440-007.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:35  
 Sample wt/vol: 356(mL) Date Analyzed: 03/06/2015 15:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.91		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	4.8		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-16-SS Lab Sample ID: 200-26891-1  
 Matrix: Air Lab File ID: 12440-007.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 07:35  
 Sample wt/vol: 356(mL) Date Analyzed: 03/06/2015 15:05  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-AI Lab Sample ID: 200-26891-4  
 Matrix: Air Lab File ID: 12440-010.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:12  
 Sample wt/vol: 324 (mL) Date Analyzed: 03/06/2015 17:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.4		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.6		1.0
106-97-8	n-Butane	58.12	6.3	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	35		12
67-63-0	Isopropyl alcohol	60.10	17		12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	5.1		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.7		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.49		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.72		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-AI Lab Sample ID: 200-26891-4  
 Matrix: Air Lab File ID: 12440-010.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:12  
 Sample wt/vol: 324(mL) Date Analyzed: 03/06/2015 17:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	1.2		0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.4		2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	5.9		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	1.0		0.87
179601-23-1	m,p-Xylene	106.17	2.4		2.2
95-47-6	Xylene, o-	106.17	1.0		0.87
1330-20-7	Xylene (total)	106.17	3.4		0.87
100-42-5	Styrene	104.15	11		0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	1.6		0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6		0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	3.6		0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-AI Lab Sample ID: 200-26891-4  
 Matrix: Air Lab File ID: 12440-010.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:12  
 Sample wt/vol: 324 (mL) Date Analyzed: 03/06/2015 17:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-SS Lab Sample ID: 200-26891-3  
 Matrix: Air Lab File ID: 12440-009.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:09  
 Sample wt/vol: 346(mL) Date Analyzed: 03/06/2015 16:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.3		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.4	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	24		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	2.0		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.9		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	1.3		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.37		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.1		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-SS Lab Sample ID: 200-26891-3  
 Matrix: Air Lab File ID: 12440-009.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:09  
 Sample wt/vol: 346(mL) Date Analyzed: 03/06/2015 16:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	1.6	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.9	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-SS Lab Sample ID: 200-26891-3  
 Matrix: Air Lab File ID: 12440-009.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 18:09  
 Sample wt/vol: 346(mL) Date Analyzed: 03/06/2015 16:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI Lab Sample ID: 200-26891-6  
 Matrix: Air Lab File ID: 12440-012.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 326(mL) Date Analyzed: 03/06/2015 19:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.2		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.6		1.0
106-97-8	n-Butane	58.12	<del>160</del> 190	<del>E</del> D	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	<del>360</del> 440	<del>E</del> D	12
67-63-0	Isopropyl alcohol	60.10	21		12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	3.5		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.48		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.79		0.64
107-06-2	1,2-Dichloroethane	98.96	1.4		0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI Lab Sample ID: 200-26891-6  
 Matrix: Air Lab File ID: 12440-012.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 326(mL) Date Analyzed: 03/06/2015 19:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	1.5		0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	8.5		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	2.3		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI Lab Sample ID: 200-26891-6  
 Matrix: Air Lab File ID: 12440-012.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 326(mL) Date Analyzed: 03/06/2015 19:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI DL Lab Sample ID: 200-26891-6 DL  
 Matrix: Air Lab File ID: 12457-006.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 41 (mL) Date Analyzed: 03/09/2015 14:01  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 7.95  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85270 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	20	U	20
75-45-6	Freon 22	86.47	14	U	14
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11	U	11
74-87-3	Chloromethane	50.49	8.2	U	8.2
106-97-8	n-Butane	58.12	160	D	9.4
75-01-4	Vinyl chloride	62.50	0.81	U	0.81
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5
74-83-9	Bromomethane	94.94	6.2	U	6.2
75-00-3	Chloroethane	64.52	10	U	10
593-60-2	Bromoethene (Vinyl Bromide)	106.96	7.0	U	7.0
75-69-4	Trichlorofluoromethane	137.37	8.9	U	8.9
76-13-1	Freon TF	187.38	12	U	12
75-35-4	1,1-Dichloroethene	98.94	6.3	U	6.3
67-64-1	Acetone	58.08	360	D	94
67-63-0	Isopropyl alcohol	60.10	98	U	98
75-15-0	Carbon disulfide	76.14	12	U	12
107-05-1	3-Chloropropene	76.53	12	U	12
75-09-2	Methylene Chloride	84.93	14	U	14
75-65-0	tert-Butyl alcohol	74.12	120	U	120
1634-04-4	Methyl tert-butyl ether	88.15	5.7	U	5.7
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3
110-54-3	n-Hexane	86.17	5.6	U	5.6
75-34-3	1,1-Dichloroethane	98.96	6.4	U	6.4
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	6.3
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	6.3
67-66-3	Chloroform	119.38	7.8	U	7.8
109-99-9	Tetrahydrofuran	72.11	120	U	120
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7
110-82-7	Cyclohexane	84.16	5.5	U	5.5
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0
540-84-1	2,2,4-Trimethylpentane	114.23	7.4	U	7.4
71-43-2	Benzene	78.11	5.1	U	5.1
107-06-2	1,2-Dichloroethane	98.96	6.4	U	6.4

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3/9/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI DL Lab Sample ID: 200-26891-6 DL  
 Matrix: Air Lab File ID: 12457-006.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 41(mL) Date Analyzed: 03/09/2015 14:01  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 7.95  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85270 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	6.5	U	6.5
79-01-6	Trichloroethene	131.39	1.7	U	1.7
80-62-6	Methyl methacrylate	100.12	16	U	16
78-87-5	1,2-Dichloropropane	112.99	7.3	U	7.3
123-91-1	1,4-Dioxane	88.11	140	U	140
75-27-4	Bromodichloromethane	163.83	11	U	11
10061-01-5	cis-1,3-Dichloropropene	110.97	7.2	U	7.2
108-10-1	methyl isobutyl ketone	100.16	16	U	16
108-88-3	Toluene	92.14	7.3	D	6.0
10061-02-6	trans-1,3-Dichloropropene	110.97	7.2	U	7.2
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7
127-18-4	Tetrachloroethene	165.83	11	U	11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16
124-48-1	Dibromochloromethane	208.29	14	U	14
106-93-4	1,2-Dibromoethane	187.87	12	U	12
108-90-7	Chlorobenzene	112.56	7.3	U	7.3
100-41-4	Ethylbenzene	106.17	6.9	U	6.9
179601-23-1	m,p-Xylene	106.17	17	U	17
95-47-6	Xylene, o-	106.17	6.9	U	6.9
1330-20-7	Xylene (total)	106.17	6.9	U	6.9
100-42-5	Styrene	104.15	6.8	U	6.8
75-25-2	Bromoform	252.75	16	U	16
98-82-8	Cumene	120.19	7.8	U	7.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11
103-65-1	n-Propylbenzene	120.19	7.8	U	7.8
622-96-8	4-Ethyltoluene	120.20	7.8	U	7.8
108-67-8	1,3,5-Trimethylbenzene	120.20	7.8	U	7.8
95-49-8	2-Chlorotoluene	126.59	8.2	U	8.2
98-06-6	tert-Butylbenzene	134.22	8.7	U	8.7
95-63-6	1,2,4-Trimethylbenzene	120.20	7.8	U	7.8
135-98-8	sec-Butylbenzene	134.22	8.7	U	8.7
99-87-6	4-Isopropyltoluene	134.22	8.7	U	8.7
541-73-1	1,3-Dichlorobenzene	147.00	9.6	U	9.6
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-AI DL Lab Sample ID: 200-26891-6 DL  
 Matrix: Air Lab File ID: 12457-006.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:11  
 Sample wt/vol: 41 (mL) Date Analyzed: 03/09/2015 14:01  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 7.95  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85270 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	8.2	U	8.2
104-51-8	n-Butylbenzene	134.22	8.7	U	8.7
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6
120-82-1	1,2,4-Trichlorobenzene	181.45	29	U	29
87-68-3	Hexachlorobutadiene	260.76	17	U	17
91-20-3	Naphthalene	128.17	21	U	21

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-OA Lab Sample ID: 200-26891-7  
 Matrix: Air Lab File ID: 12440-013.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:24  
 Sample wt/vol: 294 (mL) Date Analyzed: 03/06/2015 19:58  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.4		1.0
106-97-8	n-Butane	58.12	3.1	J	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.40		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.69		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-OA Lab Sample ID: 200-26891-7  
 Matrix: Air Lab File ID: 12440-013.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:24  
 Sample wt/vol: 294 (mL) Date Analyzed: 03/06/2015 19:58  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.79	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-OA Lab Sample ID: 200-26891-7  
 Matrix: Air Lab File ID: 12440-013.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:24  
 Sample wt/vol: 294 (mL) Date Analyzed: 03/06/2015 19:58  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-SS Lab Sample ID: 200-26891-5  
 Matrix: Air Lab File ID: 12440-011.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:12  
 Sample wt/vol: 338(mL) Date Analyzed: 03/06/2015 18:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.9	3	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	25		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	2.4		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.0		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.47		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	1.0		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-SS Lab Sample ID: 200-26891-5  
 Matrix: Air Lab File ID: 12440-011.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:12  
 Sample wt/vol: 338 (mL) Date Analyzed: 03/06/2015 18:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-SS Lab Sample ID: 200-26891-5  
 Matrix: Air Lab File ID: 12440-011.D  
 Analysis Method: TO-15 Date Collected: 02/26/2015 19:12  
 Sample wt/vol: 338 (mL) Date Analyzed: 03/06/2015 18:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-AI Lab Sample ID: 200-26891-10  
 Matrix: Air Lab File ID: 12440-016.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:03  
 Sample wt/vol: 302(mL) Date Analyzed: 03/06/2015 22:25  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.6		1.0
106-97-8	n-Butane	58.12	11		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.9		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.91		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-AI Lab Sample ID: 200-26891-10  
 Matrix: Air Lab File ID: 12440-016.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:03  
 Sample wt/vol: 302(mL) Date Analyzed: 03/06/2015 22:25  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	1.3		0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	3.7		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-AI Lab Sample ID: 200-26891-10  
 Matrix: Air Lab File ID: 12440-016.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:03  
 Sample wt/vol: 302(mL) Date Analyzed: 03/06/2015 22:25  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-SS Lab Sample ID: 200-26891-9  
 Matrix: Air Lab File ID: 12440-015.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:02  
 Sample wt/vol: 324 (mL) Date Analyzed: 03/06/2015 21:36  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	4.4		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.1	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	24		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.32		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.65		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-SS Lab Sample ID: 200-26891-9  
 Matrix: Air Lab File ID: 12440-015.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:02  
 Sample wt/vol: 324 (mL) Date Analyzed: 03/06/2015 21:36  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	1.1		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	7.5		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-SS Lab Sample ID: 200-26891-9  
 Matrix: Air Lab File ID: 12440-015.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:02  
 Sample wt/vol: 324 (mL) Date Analyzed: 03/06/2015 21:36  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-AI Lab Sample ID: 200-26891-12  
 Matrix: Air Lab File ID: 12440-018.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:50  
 Sample wt/vol: 308(mL) Date Analyzed: 03/07/2015 00:03  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	8.7		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.4		1.0
106-97-8	n-Butane	58.12	6.0	3	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	18		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	4.2		1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	1.6		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.44		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	1.8		0.93
71-43-2	Benzene	78.11	1.2		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-AI Lab Sample ID: 200-26891-12  
 Matrix: Air Lab File ID: 12440-018.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:50  
 Sample wt/vol: 308(mL) Date Analyzed: 03/07/2015 00:03  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	4.0		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	1.5		0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.3		2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	2.3		0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-AI Lab Sample ID: 200-26891-12  
 Matrix: Air Lab File ID: 12440-018.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 08:50  
 Sample wt/vol: 308(mL) Date Analyzed: 03/07/2015 00:03  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-SS Lab Sample ID: 200-26891-11  
 Matrix: Air Lab File ID: 12440-017.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 09:52  
 Sample wt/vol: 332(mL) Date Analyzed: 03/06/2015 23:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	4.8		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	3.5	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.9		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	61		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.9		1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.76		0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.42		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	1.1		0.93
71-43-2	Benzene	78.11	0.97		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-SS Lab Sample ID: 200-26891-11  
 Matrix: Air Lab File ID: 12440-017.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 09:52  
 Sample wt/vol: 332(mL) Date Analyzed: 03/06/2015 23:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	3.0		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.5		1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-20-SS Lab Sample ID: 200-26891-11  
 Matrix: Air Lab File ID: 12440-017.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 09:52  
 Sample wt/vol: 332 (mL) Date Analyzed: 03/06/2015 23:14  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-AI Lab Sample ID: 200-26891-14  
 Matrix: Air Lab File ID: 12440-020.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:19  
 Sample wt/vol: 332(mL) Date Analyzed: 03/07/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.3		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.4		1.0
106-97-8	n-Butane	58.12	4.1	3	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	18		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	6.2		1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	7.3		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.35		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.73		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-AI Lab Sample ID: 200-26891-14  
 Matrix: Air Lab File ID: 12440-020.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:19  
 Sample wt/vol: 332 (mL) Date Analyzed: 03/07/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.0	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.95	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-AI Lab Sample ID: 200-26891-14  
 Matrix: Air Lab File ID: 12440-020.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:19  
 Sample wt/vol: 332 (mL) Date Analyzed: 03/07/2015 01:41  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

H-21-AI

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-02 Lab Sample ID: 200-26891-17  
 Matrix: Air Lab File ID: 12440-023.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 306(mL) Date Analyzed: 03/07/2015 04:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	3.2		2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.4		1.0
106-97-8	n-Butane	58.12	3.9	5	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.39		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.71		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

03/07/15

H-21-AI

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
SDG No.: 26891  
Client Sample ID: FD-022715-02 Lab Sample ID: 200-26891-17  
Matrix: Air Lab File ID: 12440-023.D  
Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
Sample wt/vol: 306(mL) Date Analyzed: 03/07/2015 04:09  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.2	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

APR 3/13/15

H-21-AI

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
SDG No.: 26891  
Client Sample ID: FD-022715-02 Lab Sample ID: 200-26891-17  
Matrix: Air Lab File ID: 12440-023.D  
Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
Sample wt/vol: 306(mL) Date Analyzed: 03/07/2015 04:09  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

OK  
3/13/15



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-OA Lab Sample ID: 200-26891-15  
 Matrix: Air Lab File ID: 12440-021.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:18  
 Sample wt/vol: 276(mL) Date Analyzed: 03/07/2015 02:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5 U	✓	2.5
75-45-6	Freon 22	86.47	1.8 U	✓	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4 U	↓	1.4
74-87-3	Chloromethane	50.49	1.5	✓	1.0
106-97-8	n-Butane	58.12	1.2 U	✓	1.2
75-01-4	Vinyl chloride	62.50	0.10 U	✓	0.10
106-99-0	1,3-Butadiene	54.09	0.44 U	✓	0.44
74-83-9	Bromomethane	94.94	0.78 U	✓	0.78
75-00-3	Chloroethane	64.52	1.3 U	✓	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87 U	✓	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1 U	✓	1.1
76-13-1	Freon TF	187.38	1.5 U	✓	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79 U	✓	0.79
67-64-1	Acetone	58.08	12 U	✓	12
67-63-0	Isopropyl alcohol	60.10	12 U	✓	12
75-15-0	Carbon disulfide	76.14	1.6 U	✓	1.6
107-05-1	3-Chloropropene	76.53	1.6 U	✓	1.6
75-09-2	Methylene Chloride	84.93	1.7 U	✓	1.7
75-65-0	tert-Butyl alcohol	74.12	15 U	✓	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72 U	✓	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79 U	✓	0.79
110-54-3	n-Hexane	86.17	0.70 U	✓	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81 U	✓	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5 U	✓	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79 U	✓	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79 U	✓	0.79
67-66-3	Chloroform	119.38	0.98 U	✓	0.98
109-99-9	Tetrahydrofuran	72.11	15 U	✓	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1 U	✓	1.1
110-82-7	Cyclohexane	84.16	0.69 U	✓	0.69
56-23-5	Carbon tetrachloride	153.81	0.25 U	✓	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93 U	✓	0.93
71-43-2	Benzene	78.11	0.64 U	✓	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81 U	✓	0.81

OK  
3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-OA Lab Sample ID: 200-26891-15  
 Matrix: Air Lab File ID: 12440-021.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:18  
 Sample wt/vol: 276(mL) Date Analyzed: 03/07/2015 02:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U <i>5</i>	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-OA Lab Sample ID: 200-26891-15  
 Matrix: Air Lab File ID: 12440-021.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:18  
 Sample wt/vol: 276(mL) Date Analyzed: 03/07/2015 02:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U <i>J</i>	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U <i>↓</i>	2.6

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H-21-0A

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-03 Lab Sample ID: 200-26891-18  
 Matrix: Air Lab File ID: 12440-024.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 278 (mL) Date Analyzed: 03/07/2015 04:59  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.7	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.6	U	1.0
106-97-8	n-Butane	58.12	4.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.2	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.77	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.43	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.80	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

9/13/15

H-21-0A

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-03 Lab Sample ID: 200-26891-18  
 Matrix: Air Lab File ID: 12440-024.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 278(mL) Date Analyzed: 03/07/2015 04:59  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

Checked 3/13/15

H-21-07

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-03 Lab Sample ID: 200-26891-18  
 Matrix: Air Lab File ID: 12440-024.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 278 (mL) Date Analyzed: 03/07/2015 04:59  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

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3/13/15



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-SS Lab Sample ID: 200-26891-13  
 Matrix: Air Lab File ID: 12440-019.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:28  
 Sample wt/vol: 302(mL) Date Analyzed: 03/07/2015 00:52  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5
75-45-6	Freon 22	86.47	2.0		1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	3.8	3	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.46		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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3/13/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-SS Lab Sample ID: 200-26891-13  
 Matrix: Air Lab File ID: 12440-019.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:28  
 Sample wt/vol: 302 (mL) Date Analyzed: 03/07/2015 00:52  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2



FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-SS Lab Sample ID: 200-26891-13  
 Matrix: Air Lab File ID: 12440-019.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 10:28  
 Sample wt/vol: 302(mL) Date Analyzed: 03/07/2015 00:52  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

H-21-SS

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1

SDG No.: 26891

Client Sample ID: FD-022715-01 Lab Sample ID: 200-26891-16

Matrix: Air Lab File ID: 12440-022.D

Analysis Method: TO-15 Date Collected: 02/27/2015 00:00

Sample wt/vol: 274(mL) Date Analyzed: 03/07/2015 03:19

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.8	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	3.9	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.3	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	32	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	1.3	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	5.6	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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H-21-33

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-01 Lab Sample ID: 200-26891-16  
 Matrix: Air Lab File ID: 12440-022.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 274 (mL) Date Analyzed: 03/07/2015 03:19  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	1.2	J	0.82
79-01-6	Trichloroethene	131.39	0.21	U J	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.3	J	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U J	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	1.0	J	0.87
179601-23-1	m,p-Xylene	106.17	4.8	J	2.2
95-47-6	Xylene, o-	106.17	2.3	J	0.87
1330-20-7	Xylene (total)	106.17	7.1	J	0.87
100-42-5	Styrene	104.15	0.85	U J	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	1.0	J	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	1.5	J	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	3.2	J	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

H-21-SS

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-01 Lab Sample ID: 200-26891-16  
 Matrix: Air Lab File ID: 12440-022.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 274(mL) Date Analyzed: 03/07/2015 03:19  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85198 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0 U	3	1.0
104-51-8	n-Butylbenzene	134.22	1.1 U	↓	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2 U		1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7 U		3.7
87-68-3	Hexachlorobutadiene	260.76	2.1 U		2.1
91-20-3	Naphthalene	128.17	2.6 U		2.6

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3/3/15

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-AI Lab Sample ID: 200-26917-2  
 Matrix: Air Lab File ID: 12454\_12.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:10  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 18:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.1		1.0
106-97-8	n-Butane	58.12	2.5		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	3	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.37		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.69		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-AI Lab Sample ID: 200-26917-2  
 Matrix: Air Lab File ID: 12454\_12.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:10  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 18:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	2.6		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-AI Lab Sample ID: 200-26917-2  
 Matrix: Air Lab File ID: 12454\_12.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:10  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 18:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-SS Lab Sample ID: 200-26917-1  
 Matrix: Air Lab File ID: 12454\_11.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:11  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 17:49  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	2.2		1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.37		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.66		0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-SS Lab Sample ID: 200-26917-1  
 Matrix: Air Lab File ID: 12454\_11.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:11  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 17:49  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.74		0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	0.87	U	0.87
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I  
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-SS Lab Sample ID: 200-26917-1  
 Matrix: Air Lab File ID: 12454\_11.D  
 Analysis Method: TO-15 Date Collected: 02/27/2015 15:11  
 Sample wt/vol: 310(mL) Date Analyzed: 03/09/2015 17:49  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85260 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
100-44-7	Benzyl chloride	126.58	1.0	U	1.0
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1
91-20-3	Naphthalene	128.17	2.6	U	2.6

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-01-AI Lab Sample ID: 200-26852-15  
 Matrix: Air Lab File ID: 200-26852-a-15001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 11:01  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/03/2015 18:27  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.43  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85090 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.057	U	0.057

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-01-SS</u>	Lab Sample ID: <u>200-26852-14</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-14001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 11:01</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/03/2015 17:39</u>
Soil Aliquot Vol.: _____	Dilution Factor: <u>1.55</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85090</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.062	U	0.062	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-AI Lab Sample ID: 200-26767-7  
 Matrix: Air Lab File ID: 200-26767-a-7001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/17/2015 16:53  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 19:35  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.56  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.062	U	0.062

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-05-SS Lab Sample ID: 200-26767-6  
 Matrix: Air Lab File ID: 200-26767-a-6001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/17/2015 16:55  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 18:47  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.42  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.057	U	0.057

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-AI Lab Sample ID: 200-26767-9  
 Matrix: Air Lab File ID: 200-26767-a-9001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/17/2015 17:52  
 Sample wt/vol: 2(mL) Date Analyzed: 02/24/2015 21:10  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.51  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.060	U	0.060

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26767-1</u>
SDG No.: <u>26767</u>	
Client Sample ID: <u>H-06-OA</u>	Lab Sample ID: <u>200-26767-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26767-a-10003.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/17/2015 17:47</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>02/24/2015 21:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.37</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>84835</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.055	U	0.055	



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-06-SS Lab Sample ID: 200-26767-8  
 Matrix: Air Lab File ID: 200-26767-a-8001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/17/2015 17:50  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 20:23  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.58  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.063	U	0.063

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26767-1</u>
SDG No.: <u>26767</u>	
Client Sample ID: <u>H-07-AI</u>	Lab Sample ID: <u>200-26767-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26767-a-2001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/18/2015 07:20</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>02/24/2015 15:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.42</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>84835</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.057	U <i>3</i>	0.057	

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FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-07-AI(R) Lab Sample ID: 200-26891-8  
 Matrix: Air Lab File ID: 200-26891-a-8001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/26/2015 19:04  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/05/2015 16:57  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.55  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.062	U	0.062

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-07-SS Lab Sample ID: 200-26767-1  
 Matrix: Air Lab File ID: 200-26767-a-1002.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/18/2015 07:29  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 15:05  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.78  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.071	U	0.071

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-AI Lab Sample ID: 200-26767-5  
 Matrix: Air Lab File ID: 200-26767-a-5002.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/18/2015 10:09  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 18:16  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.66  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.066	U	0.066

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26767-1</u>
SDG No.: <u>26767</u>	
Client Sample ID: <u>H-08-OA</u>	Lab Sample ID: <u>200-26767-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26767-a-3001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/18/2015 10:15</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>02/24/2015 16:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.38</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>84835</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.055	U	0.055	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26767-1  
 SDG No.: 26767  
 Client Sample ID: H-08-SS Lab Sample ID: 200-26767-4  
 Matrix: Air Lab File ID: 200-26767-a-4001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/18/2015 10:10  
 Sample wt/vol: 2 (mL) Date Analyzed: 02/24/2015 17:12  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.6  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 84835 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.064	U	0.064

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-AI Lab Sample ID: 200-26852-2  
 Matrix: Air Lab File ID: 200-26852-a-2001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/19/2015 07:35  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 17:36  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.85  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.074	U	0.074



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-09-OA</u>	Lab Sample ID: <u>200-26852-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-3001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/19/2015 07:37</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/02/2015 18:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.72</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85018</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.069	U	0.069	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-09-SS Lab Sample ID: 200-26852-1  
 Matrix: Air Lab File ID: 200-26852-a-1001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/19/2015 07:27  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 16:49  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.88  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.075	U	0.075

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-10-A1</u>	Lab Sample ID: <u>200-26852-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-5001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/19/2015 11:18</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/02/2015 19:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85018</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.080	U	0.080	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-10-SS Lab Sample ID: 200-26852-4  
 Matrix: Air Lab File ID: 200-26852-a-4002.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/19/2015 11:10  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 19:27  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.79  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.072	U	0.072

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-AI Lab Sample ID: 200-26852-7  
 Matrix: Air Lab File ID: 200-26852-a-7001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/19/2015 15:10  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 21:34  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.62  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.065	U	0.065

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-11-SS Lab Sample ID: 200-26852-6  
 Matrix: Air Lab File ID: 200-26852-a-6001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/19/2015 15:02  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 20:47  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.56  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.062	U	0.062

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-12-AI</u>	Lab Sample ID: <u>200-26852-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-9001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 09:10</u>
Sample wt/vol: <u>2(mL)</u>	Date Analyzed: <u>03/02/2015 23:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.45</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85018</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.058	U <i>5</i>	0.058	

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3/2/15*

H-12-AI

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
SDG No.: 26852  
Client Sample ID: FD-022415-01 Lab Sample ID: 200-26852-11  
Matrix: Air Lab File ID: 200-26852-a-11001.d-avg  
Analysis Method: EPA 3C Date Collected: 02/24/2015 00:00  
Sample wt/vol: 2 (mL) Date Analyzed: 03/03/2015 00:45  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.64  
Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.066	U	0.066

QUR  
3/13/15



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-OA Lab Sample ID: 200-26852-10  
 Matrix: Air Lab File ID: 200-26852-a-10003.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 09:17  
 Sample wt/vol: 2(mL) Date Analyzed: 03/02/2015 23:57  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.47  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.059	U	0.059

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

H-12-0A

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: FD-022415-03 Lab Sample ID: 200-26852-13  
 Matrix: Air Lab File ID: 200-26852-a-13001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 00:00  
 Sample wt/vol: 2(mL) Date Analyzed: 03/03/2015 16:52  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.44  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85090 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.058	U	0.058

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FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-12-SS Lab Sample ID: 200-26852-8  
 Matrix: Air Lab File ID: 200-26852-a-8001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 09:00  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/02/2015 22:22  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.59  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85018 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.064	U <i>S</i>	0.064

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FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

H-12-SS

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>FD-022415-02</u>	Lab Sample ID: <u>200-26852-12</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-12001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 00:00</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/03/2015 16:04</u>
Soil Aliquot Vol.: _____	Dilution Factor: <u>1.53</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85090</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.061	U	0.061	

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3/13/15

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-13-AI</u>	Lab Sample ID: <u>200-26852-17</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-17001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 13:04</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/03/2015 20:02</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.75</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85090</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.070	U	0.070	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-13-SS Lab Sample ID: 200-26852-16  
 Matrix: Air Lab File ID: 200-26852-a-16001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 13:03  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/03/2015 19:14  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.42  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85090 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.057	U	0.057

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-14-AI Lab Sample ID: 200-26852-19  
 Matrix: Air Lab File ID: 200-26852-a-19001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 15:04  
 Sample wt/vol: 2(mL) Date Analyzed: 03/03/2015 21:37  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.82  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85090 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.073	U	0.073

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-14-SS</u>	Lab Sample ID: <u>200-26852-18</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-18001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 15:06</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/03/2015 20:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.7</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85090</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.068	U	0.068	



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26852-1</u>
SDG No.: <u>26852</u>	
Client Sample ID: <u>H-15-AI</u>	Lab Sample ID: <u>200-26852-21</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26852-a-21001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/24/2015 15:32</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/03/2015 23:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.51</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85090</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.060	U	0.060	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Client Sample ID: H-15-SS Lab Sample ID: 200-26852-20  
 Matrix: Air Lab File ID: 200-26852-a-20003.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/24/2015 15:35  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/03/2015 22:25  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.57  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85090 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.063	U	0.063

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-16-AI</u>	Lab Sample ID: <u>200-26891-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-2001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/26/2015 07:33</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/04/2015 21:55</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.38</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.055	U <i>S</i>	0.055	

*OK*  
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FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-16-SS</u>	Lab Sample ID: <u>200-26891-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-1001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/26/2015 07:35</u>
Sample wt/vol: <u>2(mL)</u>	Date Analyzed: <u>03/04/2015 21:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.78</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.071	U	0.071	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-17-AI</u>	Lab Sample ID: <u>200-26891-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-4001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/26/2015 18:12</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/04/2015 23:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.62</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.065	U	0.065	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-17-SS Lab Sample ID: 200-26891-3  
 Matrix: Air Lab File ID: 200-26891-a-3001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/26/2015 18:09  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/04/2015 22:42  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.73  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85170 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.069	U	0.069

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-18-AI</u>	Lab Sample ID: <u>200-26891-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-6001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/26/2015 19:11</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 01:05</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.63</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.065	U	0.065	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-18-OA Lab Sample ID: 200-26891-7  
 Matrix: Air Lab File ID: 200-26891-a-7001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/26/2015 19:24  
 Sample wt/vol: 2(mL) Date Analyzed: 03/05/2015 16:09  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.47  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.059	U	0.059



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-18-SS</u>	Lab Sample ID: <u>200-26891-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-5001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/26/2015 19:12</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 00:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.69</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.068	U	0.068	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-19-AI Lab Sample ID: 200-26891-10  
 Matrix: Air Lab File ID: 200-26891-a-10003.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 08:03  
 Sample wt/vol: 2(mL) Date Analyzed: 03/05/2015 18:32  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1.51  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175(mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.060	U	0.060

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-19-SS</u>	Lab Sample ID: <u>200-26891-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-9001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/27/2015 08:02</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 17:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.62</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85214</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.065	U	0.065	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-20-AI</u>	Lab Sample ID: <u>200-26891-12</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-12001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/27/2015 08:50</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 20:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.54</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85214</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.062	U	0.062	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-20-SS</u>	Lab Sample ID: <u>200-26891-11</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-11002.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/27/2015 09:52</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 19:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.66</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85214</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.066	U	0.066	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26891-1</u>
SDG No.: <u>26891</u>	
Client Sample ID: <u>H-21-AI</u>	Lab Sample ID: <u>200-26891-14</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26891-a-14001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/27/2015 10:19</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/05/2015 21:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.66</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85214</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.066	U	0.066	

H-21-AI

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-02 Lab Sample ID: 200-26891-17  
 Matrix: Air Lab File ID: 200-26891-a-17001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/06/2015 00:05  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.53  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.061	U	0.061

*copy*  
*3/16/15*

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-OA Lab Sample ID: 200-26891-15  
 Matrix: Air Lab File ID: 200-26891-a-15001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 10:18  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/05/2015 22:30  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.38  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.055	U <i>5</i>	0.055

*0.055  
3/5/15*



FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

H-21-0A

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: FD-022715-03 Lab Sample ID: 200-26891-18  
 Matrix: Air Lab File ID: 200-26891-a-18001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 00:00  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/06/2015 00:53  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.39  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.056	U <span style="color: red; font-size: 24px;">S</span>	0.056	

OK  
 3/16/15

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Client Sample ID: H-21-SS Lab Sample ID: 200-26891-13  
 Matrix: Air Lab File ID: 200-26891-a-13002.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 10:28  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/05/2015 21:11  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.51  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.060	U	0.060

H-21-SS

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
SDG No.: 26891  
Client Sample ID: FD-022715-01 Lab Sample ID: 200-26891-16  
Matrix: Air Lab File ID: 200-26891-a-16001.d-avg  
Analysis Method: EPA 3C Date Collected: 02/27/2015 00:00  
Sample wt/vol: 2 (mL) Date Analyzed: 03/05/2015 23:18  
Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.37  
Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 85214 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.055	U <i>3</i>	0.055

*OK  
3/16/15*

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-26917-1</u>
SDG No.: <u>26917</u>	
Client Sample ID: <u>H-22-SS</u>	Lab Sample ID: <u>200-26917-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-26917-a-1001.d-avg</u>
Analysis Method: <u>EPA 3C</u>	Date Collected: <u>02/27/2015 15:11</u>
Sample wt/vol: <u>2 (mL)</u>	Date Analyzed: <u>03/04/2015 17:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1.55</u>
Soil Extract Vol.: _____	GC Column: <u>CTR-1</u> ID: <u>3.175 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>85170</u>	Units: <u>% v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-82-8	Methane	0.062	U	0.062	

FORM I  
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Client Sample ID: H-22-AI Lab Sample ID: 200-26917-2  
 Matrix: Air Lab File ID: 200-26917-a-2001.d-avg  
 Analysis Method: EPA 3C Date Collected: 02/27/2015 15:10  
 Sample wt/vol: 2 (mL) Date Analyzed: 03/04/2015 17:57  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 1.55  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: CTR-1 ID: 3.175 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 85170 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL
74-82-8	Methane	0.062	U	0.062

**ATTACHMENT B**  
**SUPPORT DOCUMENTATION**

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11  
 South Burlington, VT 05403  
 phone 802-660-1990 fax 802-660-1919


**Canister Samples Chain of Custody Record**

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>M.H.E. NAFFERY</u>		Samples Collected By: <u>D.J. MEDDA</u>		1 of 2 COCs	
Company: <u>DYDELL</u>		Phone: _____		EPA 3C		Other (Please specify in notes section)	
Address: <u>655 BENTLEY</u>		Email: _____		EPA 25C		Landfill Gas	
City/State/Zip: <u>ALBANY NY 12233-7016</u>		Site Contact: <u>D.J. MEDDA</u>		MA-APH		Soil Gas	
Phone: _____		TA Contact: _____		TO-15		Ambient Air	
FAX: _____		Analysis Turnaround Time		Canister ID		Indoor Air	
Project Name: <u>Cont. Polyt</u>		Standard (Specify)		Flow Controller ID		Sample Type	
Site: _____		Rush (Specify)		Canister Vacuum in Field, "Hg (Start)		Other (Please specify in notes section)	
PO # <u>1117673.00005</u>		Time Start		Canister Vacuum in Field, "Hg (Stop)		ASTM D-1946	
Sample Identification		Time Stop		Canister Vacuum in Field, "Hg (Start)		ASTM D-1946	
H-07-SS		0717		-8		X	
H-07-AI		0720		0		X	
H-08-DA		1015		-4		X	
H-08-SS		1010		-8		X	
H-08-AI		1009		-5		X	

Start	Interior	Temperature (Fahrenheit)
Stop	Ambient	
Start	Interior	Pressure (Inches of Hg)
Stop	Ambient	

200-26767 Chain of Custody

Special Instructions/QC Requirements & Comments:  
GEORGE.KISLUK@AECOM.COM TO-15 AND METHANE

Samples Shipped by: <u>B. Somji, T.A.</u>	Date/Time: <u>02-18-15 / 17:00</u>	Samples Received by: _____
Samples Relinquished by: _____	Date/Time: <u>2-18</u>	Received by: _____
Relinquished by: _____	Date/Time: _____	Received by: _____
Lab Use Only	Shipper Name: _____	Condition: _____

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11

South Burlington, VT 05403  
 phone 802-660-1990 fax 802-660-1919

## Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>E. Mike Hildreth</u>		Samples Collected By: <u>Dan Mulvaney</u>		2 of 2 COCs	
Company: <u>NYSD&amp;L</u>		Phone: _____		EPA 3C		EPA 25C	
Address: <u>625 BRADLEY</u>		Email: _____		MA-APH		ASTM D-1946	
City/State/Zip: <u>PLACEMAN, VT 05653-0206</u>		Site Contact: <u>DAN MULVANEY</u>		TO-15		Other (Please specify in notes section)	
Phone: _____		TA Contact: _____		Flow Controller ID		Soil Gas	
FAX: _____		Project Name: <u>COLLEGE POINT</u>		Canister ID		Ambient Air	
Site: _____		Analysis Turnaround Time		Canister Vacuum In Field, "Hg (Start)		Indoor Air	
PO # <u>11176731.00025</u>		Standard (Specify) _____		Canister Vacuum In Field, "Hg (Stop)		Other (Please specify in notes section)	
		Rush (Specify) _____		Time Start		Landfill Gas	
				Time Stop			
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID
H-05-SS	2-17-15	1655	1655	-30	-5	2773	2733
H-05-AI	2-17-15	1653	1653	-30	-5	2939	4916
H-06-SS	2-17-15	1760	1760	-30	-5	4535	3835
H-06-AI	2-17-15	1762	1762	-30	-7	3840	3459
H-06-OA	2-17-15	1747	1747	-30	-4	3184	4803
(WENT AWESOME)						5310	5900

Temperature (Fahrenheit)	
Interior	Ambient
Start	
Stop	

Pressure (Inches of Hg)	
Interior	Ambient
Start	
Stop	

Special Instructions/QC Requirements & Comments:  
TO-15 AND METHANE  
GEORGE.KESLICK@ACOM.COM

Samples Shipped by: <u>B. Sammi - T.A.</u>	Date/Time: <u>02-18-15 / 17:00</u>	Samples Received by: _____
Samples Relinquished by: <u>Maik</u>	Date/Time: <u>2-18</u>	Received by: _____
Relinquished by: _____	Date/Time: _____	Received by: _____

Shipped by: \_\_\_\_\_  
 Shipper Name: \_\_\_\_\_  
 Opened by: \_\_\_\_\_  
 Conditions: \_\_\_\_\_



## **CASE NARRATIVE**

**Client: URS Corporation**

**Project: College Point**

**Report Number: 200-26767-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### **RECEIPT**

The samples were received on 02/19/2015; the samples arrived in good condition.

### **FIXED GASES**

Samples H-07-SS, H-07-AI, H-08-OA, H-08-SS, H-08-AI, H-05-SS, H-05-AI, H-06-SS, H-06-AI and H-06-OA were analyzed for Fixed Gases in accordance with EPA Method 3C. The samples were analyzed on 02/24/2015.

Samples H-07-SS, H-07-AI, H-08-OA, H-08-SS, H-08-AI, H-05-SS, H-05-AI, H-06-SS, H-06-AI and H-06-OA required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### **VOLATILE ORGANIC COMPOUNDS**

Samples H-07-SS, H-07-AI, H-08-OA, H-08-SS, H-08-AI, H-05-SS, H-05-AI, H-06-SS, H-06-AI and H-06-OA were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/20/2015 and 02/21/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11  
 South Burlington, VT 05403  
 phone 802-660-1990 fax 802-660-1919

**Canister Samples Chain of Custody Record**

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>MIKE HARRIS</u>		Samples Collected By: <u>DAVID MARRIN</u>		of		COCs					
Company: <u>DYDELL</u>		Phone: _____		EPA 3C		EPA 25C		ASTM D-1946					
Address: <u>625 PEARSON</u>		Email: _____		MA-APH		Indoor Air		Ambient Air					
City/State/Zip: <u>PLAZA, NY 12235-7016</u>		Site Contact: <u>DAVID MARRIN</u>		TO-15		Sample Type		Soil Gas					
Phone: _____		TA Contact: _____		Analysis Turnaround Time		Other (Please specify in notes section)		Landfill Gas					
FAX: _____		Standard (Specify) _____		Rush (Specify) _____		Other (Please specify in notes section)		Other (Please specify in notes section)					
Project Name: <u>COLLEGE POINT</u>		Sample Date(s)		Time Start		Time Stop		Canister Vacuum in Field, "Hg (Start)					
Site: _____		PO # <u>11176731.00025</u>		Canister Vacuum in Field, "Hg (Stop)		Flow Controller ID		Canister ID					
Sample Identification		H-09-SS		0727		-7		7364		3221		Y	
		H-09-AI		0733		-7		09354		7364		Y	
		H-09-OA		0737		-7		2598		5055		Y	
		H-10-SS		1116		-8		4725		5579		X	
		H-10-AI		1118		-8		5189		4380		X	
		H-11-SS		1502		-4		<del>5189</del>		<del>4380</del>		X	
		H-11-AI		1510		Temperature (Fahrenheit) 32.99		4107		4107		X	
		Start		Interior		Ambient							
		Stop											
		Start		Interior		Ambient							
		Stop											
		Special Instructions/QC Requirements & Comments: <u>GEORGE.KISLUK@AECOM.COM</u>		Date/Time: <u>02-25-15/17:00</u>		Samples Received by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
		Samples Shipped by: <u>B. Somji-T.A.</u>		Date/Time: _____		Received by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
		Samples Relinquished by: _____		Date/Time: _____		Received by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
		Relinquished by: _____		Date/Time: _____		Received by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
Lab Use Only		Shipper Name: _____		Opened by: _____		Condition: _____		Temperature: _____		Humidity: _____		Other: _____	



200-26852 Chain of Custody

SAMPLE H-11-SS: CAN-4093  
 FLOW CONTROLLER-S172

H-11-AI: -8" HC

Received by: [Signature]  
 Received by: [Signature]

Opened by: \_\_\_\_\_ Condition: \_\_\_\_\_

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11  
 South Burlington, VT 05403  
 phone 802-660-1990 fax 802-660-1919

**Canister Samples Chain of Custody Record**

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

<b>Client Contact Information</b>		Project Manager: <u>Mike Kelleher</u>		Samples Collected By: <u>David Madala</u>		1 of 3 COCs	
Company: <u>UNDELC</u>		Phone: <u>802-660-1990</u>		EPA 3C		Landfill Gas	
Address: <u>625 BROADWAY</u>		Email: <u>Mike.Kelleher@atc.com</u>		EPA 25C		Soil Gas	
City/State/Zip: <u>ALBANY NY 12203-7016</u>		Site Contact: <u>DAVID MADALA</u>		MA-APH		Ambient Air	
Phone: <u>518-486-1133</u>		TA Contact: <u>DAVID MADALA</u>		TO-15		Indoor Air	
FAX: <u>518-486-1133</u>		Analysis Turnaround Time		Canister ID		Sample Type	
Project Name: <u>College Post</u>		Standard (Specify)		Flow Controller ID		Other (Please specify in notes section)	
Site: <u>PO # 1176731.0005</u>		Rush (Specify)		Canister Vacuum In Field, "Hg (Start)		ASTM D-1946	
				Canister Vacuum In Field, "Hg (Stop)		Other (Please specify in notes section)	
<b>Sample Identification</b>		Time Start		Time Stop		Other (Please specify in notes section)	
H-12-SS		0900		0910		X	
H-12-AI		0910		0917		X	
H-12-OA		0917		0917		X	
FD-022415-01		-		-		X	
FD-022415-02		-		-		X	
FD-022415-03		-		-		X	
		Temperature (Fahrenheit)		Canister ID			
		Interior		3353			
		Ambient		3451			
		Start		2908			
		Stop		3400241			
		Interior		5144			
		Ambient		3944			
		Start		4567			
		Stop		4757			
		Interior					
		Ambient					
		Start					
		Stop					
		Interior					
		Ambient					
		Start					
		Stop					

Special Instructions/QC Requirements & Comments: TO-15 AND METHANE

Samples Shipped by: <u>B. Sommy</u>	Date/Time: <u>02-25-15 / 17:00</u>	Samples Received by:	
Samples Relinquished by: <u>Michael</u>	Date/Time: <u>2-24</u>	Received by: <u>Michael</u>	Date/Time: <u>2/27/15</u>
Relinquished by:	Date/Time:	Received by: <u>Michael</u>	Date/Time: <u>2/26/15 12:15</u>
Lab Use Only	Shipper Name:	Condition:	



**TestAmerica Burlington**  
30 Community Drive  
Suite 11  
South Burlington, VT 05403  
Phone 802-660-1990 fax 802-660-1919

### Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

<b>Client Contact Information</b> Company: <u>NYBEL</u> Address: <u>65 BROADWAY</u> City/State/Zip: <u>ALBANY, NY 12233-7016</u> Phone: _____ FAX: _____ Project Name: <u>College Park</u> Site: _____ PO #: <u>11767302205</u>		<b>Project Manager:</b> <u>Mike Haggerty</u> Phone: _____ Email: _____ Site Contact: <u>Dr. McVey</u> TA Contact: _____ Analysis Turnaround Time Standard (Specify) Rush (Specify)		<b>Samples Collected By:</b> <u>Dr. McVey</u> 3 of 3 COCs															
Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
H15-SS	1535	1530	-30	-3	09564	5465	X					Y							
H15-AI	1532	1530	-30	-4	10444	3365	X					Y							
<b>Special Instructions/QC Requirements &amp; Comments:</b> <u>George, Kacuk @ AT.COM.COM</u>																			
<b>Samples Shipped by:</b> <u>B. Spangis - T.A.</u>																			
<b>Samples Relinquished by:</b> _____																			
<b>Relinquished by:</b> _____																			
<b>Date/Time:</b> <u>02-25-15/17:00</u>																			
<b>Date/Time:</b> <u>2-24</u>																			
<b>Date/Time:</b> _____																			
<b>Samples Received by:</b> _____																			
<b>Received by:</b> <u>J. Oj</u>																			
<b>Received by:</b> <u>J. Oj</u>																			
<b>Date/Time:</b> <u>2/26/15 145</u>																			
<b>Date/Time:</b> <u>2/24/15</u>																			
<b>Date/Time:</b> _____																			
<b>Opened by:</b> _____																			
<b>Condition:</b> _____																			
<b>Shipper Name:</b> _____																			

TO-15 AND METHANE

## CASE NARRATIVE

**Client: URS Corporation**

**Project: College Point**

**Report Number: 200-26852-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### RECEIPT

The samples were received on 02/26/2015; the samples arrived in good condition.

The majority of the samples on the Chain of Custody forms are listed without a sample collection start time. The container labels do have the times. The sample collection end times were used for the login.

### FIXED GASES

Samples H-09-SS, H-09-AI, H-09-OA, H-10-SS, H-10-A1, H-11-SS, H-11-AI, H-12-SS, H-12-AI, H-12-OA, FD-022415-01, FD-022415-02, FD-022415-03, H-01-SS, H-01-AI, H-13-SS, H-13-AI, H-14-SS, H-14-AI, H-15-SS and H-15-AI were analyzed for Fixed Gases in accordance with EPA Method 3C. The samples were analyzed on 03/02/2015 and 03/03/2015.

Samples H-09-SS[1.88X], H-09-AI[1.85X], H-09-OA[1.72X], H-10-SS[1.79X], H-10-A1[2X], H-11-SS[1.56X], H-11-AI[1.62X], H-12-SS[1.59X], H-12-AI[1.45X], H-12-OA[1.47X], FD-022415-01[1.64X], FD-022415-02[1.53X], FD-022415-03[1.44X], H-01-SS[1.55X], H-01-AI[1.43X], H-13-SS[1.42X], H-13-AI[1.75X], H-14-SS[1.7X], H-14-AI[1.82X], H-15-SS[1.57X] and H-15-AI[1.51X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### VOLATILE ORGANIC COMPOUNDS

Samples H-09-SS, H-09-AI, H-09-OA, H-10-SS, H-10-A1, H-11-SS, H-11-AI, H-12-SS, H-12-AI, H-12-OA, FD-022415-01, FD-022415-02, FD-022415-03, H-01-SS, H-01-AI, H-13-SS, H-13-AI, H-14-SS, H-14-AI, H-15-SS and H-15-AI were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/27/2015, 02/28/2015, 03/03/2015, 03/07/2015 and 03/09/2015.

The continuing calibration verification (CCV) standard and Laboratory Control Sample (LCS) associated with batch 85036 yielded elevated recovery of 1,4-Dioxane, which was not detected in the associated samples. The CCV associated with batch 85260 recovered above the upper control limit for Acetone.

Sample H-10-A1[1.6X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Summa Canister Dilution Worksheet

Client: URS Corporation

Job No.: 200-26852-1  
SDG No.: 26852

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure (H <sub>2</sub> g)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-26852-1	6	-6.2	0.79	4.76	7.2	1.49	8.94		1.88	1.88	03/02/15 15:47	Lyons, Benjamin P
200-26852-2	6	-6.1	0.80	4.78	7.0	1.48	8.86		1.85	1.85	03/02/15 15:48	Lyons, Benjamin P
200-26852-3	6	-5.0	0.83	5.00	6.3	1.43	8.57		1.72	1.72	03/02/15 15:48	Lyons, Benjamin P
200-26852-4	6	-6.1	0.80	4.78	6.2	1.42	8.53		1.79	1.79	03/02/15 15:48	Lyons, Benjamin P
200-26852-5	6	-8.6	0.71	4.28	6.2	1.42	8.53		2.00	2.00	03/02/15 15:48	Lyons, Benjamin P
200-26852-6	6	-3.5	0.88	5.30	5.6	1.38	8.29		1.56	1.56	03/02/15 15:48	Lyons, Benjamin P
200-26852-7	6	-4.2	0.86	5.16	5.8	1.39	8.37		1.62	1.62	03/02/15 15:48	Lyons, Benjamin P
200-26852-8	6	-2.7	0.91	5.46	6.5	1.44	8.65		1.59	1.59	03/02/15 15:48	Lyons, Benjamin P
200-26852-9	6	0.0	1.00	6.00	6.6	1.45	8.69		1.45	1.45	03/02/15 15:48	Lyons, Benjamin P
200-26852-10	6	0.0	1.00	6.00	6.9	1.47	8.82		1.47	1.47	03/02/15 15:48	Lyons, Benjamin P
200-26852-11	6	-3.3	0.89	5.34	6.7	1.46	8.73		1.64	1.64	03/02/15 15:48	Lyons, Benjamin P
200-26852-12	6	-2.5	0.92	5.50	5.9	1.40	8.41		1.53	1.53	03/03/15 15:51	Lyons, Benjamin P
200-26852-13	6	0.0	1.00	6.00	6.4	1.44	8.61		1.44	1.44	03/03/15 15:51	Lyons, Benjamin P
200-26852-14	6	-2.3	0.92	5.54	6.4	1.44	8.61		1.55	1.55	03/03/15 15:51	Lyons, Benjamin P
200-26852-15	6	-2.5	0.92	5.50	4.6	1.31	7.88		1.43	1.43	03/03/15 15:52	Lyons, Benjamin P
200-26852-16	6	-2.4	0.92	5.52	4.5	1.31	7.84		1.42	1.42	03/03/15 15:51	Lyons, Benjamin P
200-26852-17	6	-4.4	0.85	5.12	7.3	1.50	8.98		1.75	1.75	03/03/15 15:52	Lyons, Benjamin P
200-26852-18	6	-5.9	0.80	4.82	5.4	1.37	8.20		1.70	1.70	03/03/15 15:52	Lyons, Benjamin P
200-26852-19	6	-8.2	0.73	4.36	4.7	1.32	7.92		1.82	1.82	03/03/15 15:52	Lyons, Benjamin P
200-26852-20	6	-3.1	0.90	5.38	6.0	1.41	8.45		1.57	1.57	03/03/15 15:52	Lyons, Benjamin P
200-26852-21	6	-3.6	0.87	5.24	4.7	1.32	7.92		1.51	1.51	03/03/15 15:52	Lyons, Benjamin P

TestAmerica Burlington

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Lab File ID: 12369\_02.D BFB Injection Date: 03/03/2015  
 Instrument ID: CHB.i BFB Injection Time: 10:56  
 Analysis Batch No.: 85036

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	25.0	
75	30.0 - 66.0% of mass 95	60.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	8.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	98.3	
175	4.0 - 9.0 % of mass 174	8.9	(9.0)1
176	93.0 - 101.0% of mass 174	97.5	(99.1)1
177	5.0 - 9.0% of mass 176	8.4	(8.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-85036/3	12369_03.D	03/03/2015	11:56
	LCS 200-85036/4	12369_04.D	03/03/2015	12:49
	MB 200-85036/5	12369_05.D	03/03/2015	13:40
H-10-A1	200-26852-5	12369_11.D	03/03/2015	18:53



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Lab Sample ID: CCVIS 200-85036/3 Calibration Date: 03/03/2015 11:56  
 Instrument ID: CHB.i Calib Start Date: 01/20/2015 17:24  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/20/2015 23:27  
 Lab File ID: 12369\_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9601	1.025		10.7	10.0	6.8	30.0
Benzene	Ave	0.6031	0.6672		11.1	10.0	10.6	30.0
1,2-Dichloroethane	Ave	0.3290	0.3659		11.1	10.0	11.2	30.0
n-Heptane	Ave	0.3942	0.4194		10.6	10.0	6.4	30.0
n-Butanol	Ave	0.1168	0.1489		12.7	10.0	27.5	30.0
Trichloroethene	Ave	0.2995	0.3461		11.6	10.0	15.6	30.0
1,2-Dichloropropane	Ave	0.2199	0.2657		12.1	10.0	20.8	30.0
Methyl methacrylate	Ave	0.2348	0.2723		11.6	10.0	16.0	30.0
1,4-Dioxane	Ave	0.0959	0.1265		13.2	10.0	31.9*	30.0
Dibromomethane	Ave	0.3054	0.3973		13.0	10.0	30.1*	30.0
Bromodichloromethane	Ave	0.5318	0.5973		11.2	10.0	12.3	30.0
cis-1,3-Dichloropropene	Ave	0.3693	0.4172		11.3	10.0	13.0	30.0
methyl isobutyl ketone	Ave	0.5797	0.6040		10.4	10.0	4.2	30.0
n-Octane	Ave	0.5675	0.5884		10.4	10.0	3.7	30.0
Toluene	Ave	0.5188	0.5827		11.2	10.0	12.3	30.0
trans-1,3-Dichloropropene	Ave	0.4012	0.4513		11.2	10.0	12.5	30.0
1,1,2-Trichloroethane	Ave	0.2443	0.2981		12.2	10.0	22.0	30.0
Tetrachloroethene	Ave	0.5194	0.6147		11.8	10.0	18.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6288	0.6450		10.3	10.0	2.6	30.0
Dibromochloromethane	Ave	0.6681	0.7553		11.3	10.0	13.1	30.0
1,2-Dibromoethane	Ave	0.5122	0.5670		11.1	10.0	10.7	30.0
Chlorobenzene	Ave	0.7460	0.7969		10.7	10.0	6.8	30.0
Ethylbenzene	Ave	1.255	1.257		10.0	10.0	0.2	30.0
n-Nonane	Ave	0.5472	0.5721		10.5	10.0	4.5	30.0
m,p-Xylene	Ave	0.4793	0.5142		21.4	20.0	7.3	30.0
Xylene, o-	Ave	0.4684	0.5409		11.5	10.0	15.5	30.0
Styrene	Ave	0.7656	0.8240		10.8	10.0	7.6	30.0
Bromoform	Ave	0.7464	0.8352		11.2	10.0	11.9	30.0
Cumene	Ave	1.452	1.486		10.2	10.0	2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6740	0.7324		10.9	10.0	8.7	30.0
n-Propylbenzene	Ave	1.736	1.710		9.85	10.0	-1.5	30.0
1,2,3-Trichloropropane	Ave	0.5643	0.5901		10.5	10.0	4.6	30.0
n-Decane	Ave	0.7116	0.7094		9.97	10.0	-0.3	30.0
4-Ethyltoluene	Ave	1.469	1.492		10.2	10.0	1.6	30.0
2-Chlorotoluene	Ave	1.203	1.253		10.4	10.0	4.1	30.0
1,3,5-Trimethylbenzene	Ave	1.293	1.330		10.3	10.0	2.9	30.0
Alpha Methyl Styrene	Ave	0.6198	0.6951		11.2	10.0	12.1	30.0
tert-Butylbenzene	Ave	1.224	1.283		10.5	10.0	4.9	30.0
1,2,4-Trimethylbenzene	Ave	1.287	1.349		10.5	10.0	4.8	30.0
sec-Butylbenzene	Ave	1.771	1.843		10.4	10.0	4.1	30.0

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FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-26852-1  
 SDG No.: 26852  
 Lab File ID: 12454\_01.D BFB Injection Date: 03/09/2015  
 Instrument ID: CHC.i BFB Injection Time: 09:26  
 Analysis Batch No.: 85260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.8	
75	30.0 - 66.0% of mass 95	49.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	120.0	
175	4.0 - 9.0 % of mass 174	8.5	(7.1)1
176	93.0 - 101.0% of mass 174	117.5	(98.0)1
177	5.0 - 9.0% of mass 176	7.5	(6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-85260/2	12454_02.D	03/09/2015	10:25
	LCS 200-85260/3	12454_03.D	03/09/2015	11:16
	MB 200-85260/4	12454_04.D	03/09/2015	12:03
H-14-SS	200-26852-18	12454_07.D	03/09/2015	14:40
H-14-AI	200-26852-19	12454_08.D	03/09/2015	15:28
H-15-SS	200-26852-20	12454_09.D	03/09/2015	16:15
H-15-AI	200-26852-21	12454_10.D	03/09/2015	17:02

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington

Job No.: 200-26852-1

SDG No.: 26852

Lab Sample ID: CCVIS 200-85260/2

Calibration Date: 03/09/2015 10:25

Instrument ID: CHC.i

Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624

ID: 0.32 (mm)

Calib End Date: 12/01/2014 23:37

Lab File ID: 12454\_02.D

Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5071	0.4894		9.65	10.0	-3.5	30.0
Dichlorodifluoromethane	Ave	4.270	3.664		8.58	10.0	-14.2	30.0
Freon 22	Ave	1.631	1.484		9.10	10.0	-9.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	2.953		9.06	10.0	-9.4	30.0
Chloromethane	Ave	0.6346	0.6249		9.84	10.0	-1.5	30.0
n-Butane	Ave	1.084	1.020		9.40	10.0	-6.0	30.0
Vinyl chloride	Ave	0.8833	0.8468		9.59	10.0	-4.1	30.0
1,3-Butadiene	Ave	0.5871	0.5738		9.77	10.0	-2.3	30.0
Bromomethane	Ave	1.140	1.025		8.99	10.0	-10.0	30.0
Chloroethane	Ave	0.4482	0.3951		8.81	10.0	-11.9	30.0
Isopentane	Ave	0.7928	0.6469		8.16	10.0	-18.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.051	1.056		10.0	10.0	0.5	30.0
Trichlorofluoromethane	Ave	4.444	3.743		8.42	10.0	-15.8	30.0
n-Pentane	Ave	0.9890	0.9191		9.29	10.0	-7.1	30.0
Ethanol	Ave	0.2654	0.2482		14.0	15.0	-6.5	30.0
Ethyl ether	Ave	0.4812	0.4653		9.67	10.0	-3.3	30.0
Acrolein	Ave	0.1881	0.1928		10.2	10.0	2.5	30.0
Freon TF	Ave	2.265	2.121		9.36	10.0	-6.4	30.0
1,1-Dichloroethene	Ave	0.9289	0.8963		9.65	10.0	-3.5	30.0
Acetone	Ave	1.305	1.997		15.3	10.0	53.1*	30.0
Carbon disulfide	Ave	2.267	2.037		8.98	10.0	-10.2	30.0
Isopropyl alcohol	Ave	0.8184	0.8211		10.0	10.0	0.3	30.0
3-Chloropropene	Ave	0.7421	0.6881		9.27	10.0	-7.3	30.0
Acetonitrile	Ave	0.3708	0.3566		9.61	10.0	-3.8	30.0
Methylene Chloride	Ave	0.8865	0.7749		8.74	10.0	-12.6	30.0
tert-Butyl alcohol	Ave	1.647	1.554		9.43	10.0	-5.7	30.0
Methyl tert-butyl ether	Ave	2.964	2.748		9.27	10.0	-7.3	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.176		9.06	10.0	-9.4	30.0
Acrylonitrile	Ave	0.4171	0.4075		9.77	10.0	-2.3	30.0
n-Hexane	Ave	1.026	0.9470		9.23	10.0	-7.7	30.0
1,1-Dichloroethane	Ave	1.509	1.422		9.42	10.0	-5.7	30.0
Vinyl acetate	Ave	1.725	1.596		9.26	10.0	-7.4	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9854		10.0	10.0	0.0	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3608		9.09	10.0	-9.1	30.0
Ethyl acetate	Ave	0.0711	0.0718		10.1	10.0	1.0	30.0
Tetrahydrofuran	Ave	0.1461	0.1370		9.37	10.0	-6.3	30.0
Chloroform	Ave	2.468	2.245		9.09	10.0	-9.0	30.0
Cyclohexane	Ave	0.2721	0.2637		9.69	10.0	-3.1	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.6813		8.53	10.0	-14.7	30.0
Carbon tetrachloride	Ave	0.9419	0.7399		7.85	10.0	-21.5	30.0

TestAmerica Burlington  
30 Community Drive  
Suite 11

South Burlington, VT 05403  
phone 802-660-1990 fax 802-660-1919

### Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Mike HALEBY</u>		Samples Collected By: <u>Dan McARD</u>		of		COCs	
Company: <u>UVSDEC</u>		Phone:		EPA 3C		EPA 25C		ASTM D-1946	
Address: <u>625 BROADWAY</u>		Email:		MA-APH				Other (Please specify in notes section)	
City/State/Zip: <u>ALBANY, NY 12233-7016</u>		Site Contact: <u>DAN McARD</u>		TO-15				Indoor Air	
Phone:		TA Contact:						Ambient Air	
FAX:		Analysis Turnaround Time		Flow Controller ID		Canister ID		Landfill Gas	
Project Name: <u>College Park</u>		Standard (Specify)		Canister Vacuum in Field, "Hg (Start)		Canister Vacuum in Field, "Hg (Stop)		Soil Gas	
Site: <u>1176731.00RS</u>		Rush (Specify)		Time Start		Time Stop		Other (Please specify in notes section)	
PO #		Sample Identification		Sample Date(s)		Canister ID		Other (Please specify in notes section)	
		H-07-AI(R)		2-26		3785		X	
		H-19-SS		2-27		0969		X	
		H-19-AI		2-27		4147 <sup>10m</sup>		X	
		H-20-SS		2-27		5134 <sup>10m</sup>		X	
		H-20-AI		2-27		4024		X	

Special Instructions/QC Requirements & Comments:  
GEORGE, REKLIK @ AECOM.COM

TO-15 AND METHANE

Samples Shipped by: B. Sammi - T.A.  
Date/Time: 02-27-15 / 17:00  
Samples Relinquished by: M.H.  
Date/Time: 2-27  
Relinquished by:

Samples Received by: JT BUR  
Date/Time: 3/6/15 08:45  
Received by:  
Date/Time: 2/27  
Received by:


Lab Use Only  
Shipper Name: \_\_\_\_\_  
Operator by: \_\_\_\_\_  
Condition: \_\_\_\_\_

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11

South Burlington, VT 05403  
 phone 802-660-1890 fax 802-660-1919

### Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>MIKE HUBBARD</u>		Samples Collected By: <u>DAU MURPHY</u>		of COCs	
Company: <u>NYSDEC</u>	Phone: _____	Project Manager: <u>MIKE HUBBARD</u>	Phone: _____	MA-APH	EPA 3C	EPA 25C	ASTM D-1946
Address: <u>65 BROWNWAY</u>	City/State/Zip: <u>ALBANY NY 12233-7016</u>	Site Contact: <u>DAU MURPHY</u>	TA Contact: _____	TO-15	Other (Please specify in notes section)	Other (Please specify in notes section)	Other (Please specify in notes section)
Phone: _____	FAX: _____	Project Name: <u>COLLEGE PARK</u>	Site: _____	Canister ID	Flow Controller ID	Canister ID	Canister ID
Project Name: <u>COLLEGE PARK</u>	Site: _____	Analysis Turnaround Time	Standard (Specify)	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Time Start	Time Stop
PO # <u>11176731.06005</u>	Site: _____	Rush (Specify)	Temperature (Fahrenheit)	Temperature (Fahrenheit)	Temperature (Fahrenheit)	Temperature (Fahrenheit)	Temperature (Fahrenheit)
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID
H46-SS	2-26	0735	0735	-30	-7	4212	5696
H46-AI	2-26	0733	0733	-30	-1	5214	2522
H47-SS	2-26	1809	1809	-30	-6	4935	5112
H47-AI	2-26	1912	1912	-29	-4	4178	4369
H-18-SS	2-26	1912	1912	-30	-9	4014	5162
H-18-AI	2-26	1911	1911	-30	-7	3575	5128
H-18-OA	2-26	1924	1924	-8	-8	4999	4581
Start	Interior						
Stop	Interior						
Start	Interior						
Stop	Interior						
Special Instructions/QC Requirements & Comments: <u>GEORGE KESSLER@ACCDM.COM</u>		Barcode: 		200-26891 Chain of Custody		TO-15 AND METHANE	
Samples Shipped by: <u>T.A.</u>	Date/Time: <u>02-27-15</u>	17.00	Samples Received by: <u>T.A. BUE</u>	Date/Time: <u>3/2/15</u>	0845	TA BUE	
Samples Relinquished by: <u>M.H.</u>	Date/Time: <u>2-27</u>		Received by: <u>M.H.</u>	Date/Time: <u>3/2/15</u>	0845	TA BUE	
Relinquished by: _____	Date/Time: _____		Received by: _____	Date/Time: _____		TA BUE	

TestAmerica Burlington  
30 Community Drive  
Suite 11

South Burlington, VT 05403  
phone 802-660-1980 fax 802-660-1919

### Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>MICHAEL HALLET</u>		Samples Collected By: <u>DAV McDAID</u>		of COCs	
Company: <u>MSD</u>		Phone: _____		MA-APH		Other (Please specify in notes section)	
Address: <u>ALBA 625 BROADWAY</u>		Email: _____		EPA 3C		Landfill Gas	
City/State/Zip: <u>ALBANY, NY 12233-1016</u>		Site Contact: <u>DAV McDAID</u>		EPA 25C		Soil Gas	
Phone: _____		TA Contact: _____		TO-15		Ambient Air	
FAX: _____		Analysis Turnaround Time		MA-APH		Indoor Air	
Project Name: <u>Collecte Point</u>		Standard (Specify)		ASTM D-1946		Other (Please specify in notes section)	
Site: _____		Rush (Specify)		EPA 3C		Other (Please specify in notes section)	
PO # <u>11176731.0000</u>		Canister Vacuum in Field, "Hg (Start)		Flow Controller ID		Other (Please specify in notes section)	
Sample Identification		Canister Vacuum in Field, "Hg (Stop)		Canister ID		Other (Please specify in notes section)	
Sample Date(s)		Time Start		Time Stop		Other (Please specify in notes section)	
<u>H-21-SS</u>	<u>2-27</u>	<u>1028</u>	<u>-30</u>	<u>-5</u>	<u>6012</u>	<u>4286</u>	<u>X</u>
<u>H-21-AT</u>		<u>1019</u>	<u>-30</u>	<u>-8</u>	<u>4200</u>	<u>5101</u>	<u>X</u>
<u>H-21-0A</u>		<u>1018</u>	<u>-30</u>	<u>-7</u>	<u>7570</u>	<u>5402</u>	<u>X</u>
<u>ED-022715-01 H-21-SS</u>			<u>-30</u>	<u>-4</u>	<u>4197</u>	<u>5398</u>	<u>X</u>
<u>ED-022715-02 H-21-AI</u>			<u>-30</u>	<u>-8</u>	<u>7604</u>	<u>2868</u>	<u>X</u>
<u>ED-022715-03 H-21-0A</u>			<u>-30</u>	<u>-3</u>	<u>4781</u>	<u>2948</u>	<u>X</u>
Temperature (Fahrenheit)		Interior		Ambient		Pressure (Inches of Hg)	
Start		Interior		Ambient		Start	
Stop		Interior		Ambient		Stop	
Special Instructions/QC Requirements & Comments: <u>GEORGE.KSLOK@TECOM.COM</u>							
Samples Shipped by: <u>B. Semmik - T-A</u>		Date/Time: <u>02-27-15 / 17:00</u>		Samples Received by: <u>[Signature]</u>		Date/Time: <u>3/2/15 0845</u>	
Samples Relinquished by: <u>[Signature]</u>		Date/Time: <u>2-27</u>		Received by: <u>[Signature]</u>		Date/Time: <u>2/77</u>	
Relinquished by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	

888  
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 5101

TO-15 AND METHANE

TA BUR



## CASE NARRATIVE

**Client: URS Corporation**

**Project: College Point**

**Report Number: 200-26891-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### RECEIPT

The samples were received on 03/02/2015; the samples arrived in good condition.

The majority of the samples on the Chain of Custody forms are listed without a sample collection start time. The container labels do have the times. The sample collection end times were used for the login.

### FIXED GASES

Samples H-16-SS, H-16-AI, H-17-SS, H-17-AI, H-18-SS, H-18-AI, H-18-OA, H-07-AI(R), H-19-SS, H-19-AI, H-20-SS, H-20-AI, H-21-SS, H-21-AI, H-21-OA, FD-022715-01, FD-022715-02 and FD-022715-03 were analyzed for Fixed Gases in accordance with EPA Method 3C. The samples were analyzed on 03/04/2015, 03/05/2015 and 03/06/2015.

Samples H-16-SS[1.78X], H-16-AI[1.38X], H-17-SS[1.73X], H-17-AI[1.62X], H-18-SS[1.69X], H-18-AI[1.63X], H-18-OA[1.47X], H-07-AI(R)[1.55X], H-19-SS[1.62X], H-19-AI[1.51X], H-20-SS[1.66X], H-20-AI[1.54X], H-21-SS[1.51X], H-21-AI[1.66X], H-21-OA[1.38X], FD-022715-01[1.37X], FD-022715-02[1.53X] and FD-022715-03[1.39X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### VOLATILE ORGANIC COMPOUNDS

Samples H-16-SS, H-16-AI, H-17-SS, H-17-AI, H-18-SS, H-18-AI, H-18-OA, H-07-AI(R), H-19-SS, H-19-AI, H-20-SS, H-20-AI, H-21-SS, H-21-AI, H-21-OA, FD-022715-01, FD-022715-02 and FD-022715-03 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 03/06/2015, 03/07/2015 and 03/09/2015.

Sample H-18 AI[7.95X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The analyses of the following samples were associated with a CCV that yielded elevated response for butane. Butane did yield acceptable recovery in the blank spike sample. The affected samples are: FD-022715-01, FD-022715-02, FD-022715-03, H-07-AI(R), H-16-AI, H-16-SS, H-17-AI, H-17-SS, H-18-AI, H-18-OA, H-18-SS, H-19-AI, H-19-SS, H-20-AI, H-20-SS, H-21-AI, H-21-OA and H-21-SS

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Lab File ID: 12440-002.D BFB Injection Date: 03/06/2015  
 Instrument ID: CHX.i BFB Injection Time: 10:42  
 Analysis Batch No.: 85198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.6	
75	30.0 - 66.0% of mass 95	47.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	1.4	(1.5)1
174	50.0 - 120.0% of mass 95	94.6	
175	4.0 - 9.0 % of mass 174	7.0	(7.4)1
176	93.0 - 101.0% of mass 174	91.3	(96.6)1
177	5.0 - 9.0% of mass 176	6.1	(6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-85198/4	12440-004.D	03/06/2015	12:30
	LCS 200-85198/5	12440-005.D	03/06/2015	13:20
	MB 200-85198/6	12440-006.D	03/06/2015	14:10
H-16-SS	200-26891-1	12440-007.D	03/06/2015	15:05
H-16-AI	200-26891-2	12440-008.D	03/06/2015	15:54
H-17-SS	200-26891-3	12440-009.D	03/06/2015	16:43
H-17-AI	200-26891-4	12440-010.D	03/06/2015	17:32
H-18-SS	200-26891-5	12440-011.D	03/06/2015	18:21
H-18-AI	200-26891-6	12440-012.D	03/06/2015	19:09
H-18-OA	200-26891-7	12440-013.D	03/06/2015	19:58
H-07-AI (R)	200-26891-8	12440-014.D	03/06/2015	20:47
H-19-SS	200-26891-9	12440-015.D	03/06/2015	21:36
H-19-AI	200-26891-10	12440-016.D	03/06/2015	22:25
H-20-SS	200-26891-11	12440-017.D	03/06/2015	23:14
H-20-AI	200-26891-12	12440-018.D	03/07/2015	00:03
H-21-SS	200-26891-13	12440-019.D	03/07/2015	00:52
H-21-AI	200-26891-14	12440-020.D	03/07/2015	01:41
H-21-OA	200-26891-15	12440-021.D	03/07/2015	02:30
FD-022715-01	200-26891-16	12440-022.D	03/07/2015	03:19
FD-022715-02	200-26891-17	12440-023.D	03/07/2015	04:09
FD-022715-03	200-26891-18	12440-024.D	03/07/2015	04:59



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-26891-1  
 SDG No.: 26891  
 Lab Sample ID: CCVIS 200-85198/4 Calibration Date: 03/06/2015 12:30  
 Instrument ID: CHX.i Calib Start Date: 03/02/2015 13:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/02/2015 18:33  
 Lab File ID: 12440-004.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7046	0.9190		13.0	10.0	30.4*	30.0
Dichlorodifluoromethane	Ave	2.598	3.104		11.9	10.0	19.5	30.0
Freon 22	Ave	1.431	1.840		12.9	10.0	28.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.550	2.997		11.7	10.0	17.5	30.0
Chloromethane	Ave	0.8470	1.033		12.2	10.0	22.0	30.0
n-Butane	Ave	1.307	1.765		13.5	10.0	35.0*	30.0
Vinyl chloride	Ave	0.8783	1.113		12.7	10.0	26.8	30.0
1,3-Butadiene	Ave	0.6558	0.8098		12.3	10.0	23.5	30.0
Bromomethane	Ave	0.8259	0.9293		11.2	10.0	12.5	30.0
Chloroethane	Ave	0.3778	0.4386		11.6	10.0	16.1	30.0
Isopentane	Ave	0.8046	0.9762		12.1	10.0	21.3	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8889	0.9225		10.4	10.0	3.8	30.0
Trichlorofluoromethane	Ave	2.280	2.503		11.0	10.0	9.8	30.0
n-Pentane	Ave	1.437	1.761		12.2	10.0	22.5	30.0
Ethanol	Ave	0.4091	0.4979		18.3	15.0	21.7	30.0
Ethyl ether	Ave	0.5664	0.6242		11.0	10.0	10.2	30.0
Acrolein	Ave	0.3002	0.3222		10.7	10.0	7.3	30.0
Freon TF	Ave	1.778	1.769		9.94	10.0	-0.5	30.0
1,1-Dichloroethene	Ave	0.8473	0.8332		9.83	10.0	-1.7	30.0
Acetone	Ave	1.296	1.592		12.3	10.0	22.8	30.0
Carbon disulfide	Ave	2.397	2.490		10.4	10.0	3.9	30.0
Isopropyl alcohol	Ave	1.215	1.487		12.2	10.0	22.3	30.0
3-Chloropropene	Ave	1.172	1.392		11.9	10.0	18.8	30.0
Acetonitrile	Ave	0.6504	0.8191		12.6	10.0	25.9	30.0
Methylene Chloride	Ave	1.091	1.206		11.1	10.0	10.5	30.0
tert-Butyl alcohol	Ave	1.659	1.880		11.3	10.0	13.3	30.0
Methyl tert-butyl ether	Ave	2.555	2.742		10.7	10.0	7.3	30.0
trans-1,2-Dichloroethene	Ave	1.281	1.433		11.2	10.0	11.8	30.0
Acrylonitrile	Ave	0.6671	0.7479		11.2	10.0	12.1	30.0
n-Hexane	Ave	1.363	1.499		11.0	10.0	10.0	30.0
1,1-Dichloroethane	Ave	1.671	1.891		11.3	10.0	13.2	30.0
Vinyl acetate	Ave	2.611	3.198		12.2	10.0	22.5	30.0
cis-1,2-Dichloroethene	Ave	1.114	1.105		9.91	10.0	-0.9	30.0
Methyl Ethyl Ketone	Ave	0.5270	0.5478		10.4	10.0	3.9	30.0
Ethyl acetate	Ave	0.0796	0.0784		9.84	10.0	-1.6	30.0
Tetrahydrofuran	Ave	0.2100	0.2640		12.6	10.0	25.7	30.0
Chloroform	Ave	2.189	2.343		10.7	10.0	7.0	30.0
Cyclohexane	Ave	0.2592	0.2712		10.5	10.0	4.6	30.0
1,1,1-Trichloroethane	Ave	0.4096	0.4400		10.7	10.0	7.4	30.0
Carbon tetrachloride	Ave	0.4252	0.4309		10.1	10.0	1.3	30.0

### Summa Canister Dilution Worksheet

Client: URS Corporation


Job No.: 200-26891-1  
SDG No.: 26891

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure (H <sub>g</sub> )	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-26891-1	6	-7.0	0.77	4.60	5.4	1.37	8.20		1.78	1.78	03/04/15 16:08	Lyons, Benjamin P
200-26891-2	6	0.0	1.00	6.00	5.6	1.38	8.29		1.38	1.38	03/04/15 16:08	Lyons, Benjamin P
200-26891-3	6	-6.1	0.80	4.78	5.6	1.38	8.29		1.73	1.73	03/04/15 16:08	Lyons, Benjamin P
200-26891-4	6	-4.7	0.84	5.06	5.4	1.37	8.20		1.62	1.62	03/04/15 16:08	Lyons, Benjamin P
200-26891-5	6	-5.7	0.81	4.86	5.4	1.37	8.20		1.69	1.69	03/04/15 16:08	Lyons, Benjamin P
200-26891-6	6	-5.7	0.81	4.86	4.7	1.32	7.92		1.63	1.63	03/04/15 16:08	Lyons, Benjamin P
200-26891-7	6	-3.4	0.89	5.32	4.5	1.31	7.84		1.47	1.47	03/05/15 15:10	Lyons, Benjamin P
200-26891-8	6	-4.2	0.86	5.16	4.9	1.33	8.00		1.55	1.55	03/05/15 15:10	Lyons, Benjamin P
200-26891-9	6	-5.9	0.80	4.82	4.4	1.30	7.80		1.62	1.62	03/05/15 15:11	Lyons, Benjamin P
200-26891-10	6	-1.7	0.94	5.66	6.3	1.43	8.57		1.51	1.51	03/05/15 15:11	Lyons, Benjamin P
200-26891-11	6	-4.2	0.86	5.16	6.3	1.43	8.57		1.66	1.66	03/05/15 15:11	Lyons, Benjamin P
200-26891-12	6	-3.4	0.89	5.32	5.3	1.36	8.16		1.53	1.54	03/05/15 15:11	Lyons, Benjamin P
200-26891-13	6	-2.2	0.93	5.56	5.8	1.39	8.37		1.51	1.51	03/05/15 15:11	Lyons, Benjamin P
200-26891-14	6	-3.5	0.88	5.30	6.8	1.46	8.78		1.66	1.66	03/05/15 15:11	Lyons, Benjamin P
200-26891-15	6	0.0	1.00	6.00	5.6	1.38	8.29		1.38	1.38	03/05/15 15:11	Lyons, Benjamin P
200-26891-16	6	0.0	1.00	6.00	5.4	1.37	8.20		1.37	1.37	03/05/15 15:11	Lyons, Benjamin P
200-26891-17	6	-3.6	0.88	5.28	5.1	1.35	8.08		1.53	1.53	03/05/15 15:11	Lyons, Benjamin P
200-26891-18	6	0.0	1.00	6.00	5.8	1.39	8.37		1.39	1.39	03/05/15 15:12	Lyons, Benjamin P

**TestAmerica Burlington**  
 30 Community Drive  
 Suite 11  
 South Burlington, VT 05403  
 phone 802-660-1990 fax 802-660-1919

## Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

<b>Client Contact Information</b> Company: <u>NYDEC</u> Address: <u>625 BROADWAY</u> City/State/Zip: <u>ALBANY, NY 12233-7016</u> Phone: _____ FAX: _____ Project Name: <u>COULAGE POINT</u> Site: _____ PO # <u>11767310005</u>		<b>Project Manager:</b> <u>MIKE HALLIDAY</u> Phone: _____ Email: _____ Site Contact: <u>DAN MURPHY</u> TA Contact: _____ Analysis Turnaround Time Standard (Specify) _____ Rush (Specify) _____		Samples Collected By: <u>Cathy Brundage</u> of <u>COCs</u>																
<b>Sample Identification</b> <u>H-22-SS</u> <u>H-22-AI</u>		Sample Date(s) <u>2-27</u> <u>2-27</u>	Time Start <u>15:11</u> <u>14:20</u>	Time Stop <u>15:10</u> <u>15:10</u>	Canister Vacuum in Field, "Hg (Start) <u>-30</u> <u>-30</u>	Canister Vacuum in Field, "Hg (Stop) <u>-8</u> <u>-4</u>	Flow Controller ID <u>3744</u> <u>3063</u>	Canister ID <u>2908</u> <u>4290</u>	TO-15 <u>X</u> <u>X</u>	MA-APH <u>X</u> <u>X</u>	EPA 3C <u>X</u> <u>X</u>	EPA 25C <u>X</u> <u>X</u>	ASTM D-1946 <u>X</u> <u>X</u>	Other (Please specify in notes section) <u>X</u> <u>X</u>	Other (Please specify in notes section) <u>X</u> <u>X</u>	Indoor Air <u>X</u>	Ambient Air <u>X</u>	Soil Gas <u>X</u>	Landfill Gas <u>X</u>	Other (Please specify in notes section)
 200-26917 Chain of Custody																				
<b>Special Instructions/QC Requirements &amp; Comments:</b> <u>GEORGE.KESLUK@ATE.COM.COM</u> <u>TO-15 AND METHALS</u>																				
Samples Shipped by: <u>Fedex Ground</u> Samples Relinquished by: <u>ATD's Brunelle</u> Relinquished by: _____										Date/Time: _____ Date/Time: <u>2/27/15, 9:45 pm</u> Date/Time: _____										
Samples Received by: _____ Received by: <u>1 LS TASN 3/3/15</u> Received by: _____										Samples Received by: _____ Received by: _____ Received by: _____										
Lab Use Only Shipped Name: _____ Opened by: _____ Condition: _____																				

## CASE NARRATIVE

**Client: URS Corporation**

**Project: College Point**

**Report Number: 200-26917-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### **RECEIPT**

The samples were received on 03/03/2015; the samples arrived in good condition.

### **FIXED GASES**

Samples H-22-SS and H-22-AI were analyzed for Fixed Gases in accordance with EPA Method 3C. The samples were analyzed on 03/04/2015.

Samples H-22-SS[1.55X] and H-22-AI[1.55X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### **VOLATILE ORGANIC COMPOUNDS**

Samples H-22-SS and H-22-AI were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 03/09/2015.

The continuing calibration verification (CCV) standard associated with batch 85260 recovered above the upper control limit for Acetone.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-26917-1  
 SDG No.: 26917  
 Lab File ID: 12454\_01.D BFB Injection Date: 03/09/2015  
 Instrument ID: CHC.i BFB Injection Time: 09:26  
 Analysis Batch No.: 85260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.8	
75	30.0 - 66.0% of mass 95	49.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	120.0	
175	4.0 - 9.0 % of mass 174	8.5	(7.1)1
176	93.0 - 101.0% of mass 174	117.5	(98.0)1
177	5.0 - 9.0% of mass 176	7.5	(6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-85260/2	12454_02.D	03/09/2015	10:25
	LCS 200-85260/3	12454_03.D	03/09/2015	11:16
	MB 200-85260/4	12454_04.D	03/09/2015	12:03
H-22-SS	200-26917-1	12454_11.D	03/09/2015	17:49
H-22-AI	200-26917-2	12454_12.D	03/09/2015	18:37

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington

Job No.: 200-26917-1

SDG No.: 26917

Lab Sample ID: CCVIS 200-85260/2

Calibration Date: 03/09/2015 10:25

Instrument ID: CHC.i

Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624

ID: 0.32(mm)

Calib End Date: 12/01/2014 23:37

Lab File ID: 12454\_02.D

Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5071	0.4894		9.65	10.0	-3.5	30.0
Dichlorodifluoromethane	Ave	4.270	3.664		8.58	10.0	-14.2	30.0
Freon 22	Ave	1.631	1.484		9.10	10.0	-9.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	2.953		9.06	10.0	-9.4	30.0
Chloromethane	Ave	0.6346	0.6249		9.84	10.0	-1.5	30.0
n-Butane	Ave	1.084	1.020		9.40	10.0	-6.0	30.0
Vinyl chloride	Ave	0.8833	0.8468		9.59	10.0	-4.1	30.0
1,3-Butadiene	Ave	0.5871	0.5738		9.77	10.0	-2.3	30.0
Bromomethane	Ave	1.140	1.025		8.99	10.0	-10.0	30.0
Chloroethane	Ave	0.4482	0.3951		8.81	10.0	-11.9	30.0
Isopentane	Ave	0.7928	0.6469		8.16	10.0	-18.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	1.056		10.0	10.0	0.5	30.0
Trichlorofluoromethane	Ave	4.444	3.743		8.42	10.0	-15.8	30.0
n-Pentane	Ave	0.9890	0.9191		9.29	10.0	-7.1	30.0
Ethanol	Ave	0.2654	0.2482		14.0	15.0	-6.5	30.0
Ethyl ether	Ave	0.4812	0.4653		9.67	10.0	-3.3	30.0
Acrolein	Ave	0.1881	0.1928		10.2	10.0	2.5	30.0
Freon TF	Ave	2.265	2.121		9.36	10.0	-6.4	30.0
1,1-Dichloroethene	Ave	0.9289	0.8963		9.65	10.0	-3.5	30.0
Acetone	Ave	1.305	1.997		15.3	10.0	53.1*	30.0
Carbon disulfide	Ave	2.267	2.037		8.98	10.0	-10.2	30.0
Isopropyl alcohol	Ave	0.8184	0.8211		10.0	10.0	0.3	30.0
3-Chloropropene	Ave	0.7421	0.6881		9.27	10.0	-7.3	30.0
Acetonitrile	Ave	0.3708	0.3566		9.61	10.0	-3.8	30.0
Methylene Chloride	Ave	0.8865	0.7749		8.74	10.0	-12.6	30.0
tert-Butyl alcohol	Ave	1.647	1.554		9.43	10.0	-5.7	30.0
Methyl tert-butyl ether	Ave	2.964	2.748		9.27	10.0	-7.3	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.176		9.06	10.0	-9.4	30.0
Acrylonitrile	Ave	0.4171	0.4075		9.77	10.0	-2.3	30.0
n-Hexane	Ave	1.026	0.9470		9.23	10.0	-7.7	30.0
1,1-Dichloroethane	Ave	1.509	1.422		9.42	10.0	-5.7	30.0
Vinyl acetate	Ave	1.725	1.596		9.26	10.0	-7.4	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9854		10.0	10.0	0.0	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3608		9.09	10.0	-9.1	30.0
Ethyl acetate	Ave	0.0711	0.0718		10.1	10.0	1.0	30.0
Tetrahydrofuran	Ave	0.1461	0.1370		9.37	10.0	-6.3	30.0
Chloroform	Ave	2.468	2.245		9.09	10.0	-9.0	30.0
Cyclohexane	Ave	0.2721	0.2637		9.69	10.0	-3.1	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.6813		8.53	10.0	-14.7	30.0
Carbon tetrachloride	Ave	0.9419	0.7399		7.85	10.0	-21.5	30.0

## **APPENDIX B**

### **NYSDOH SOIL VAPOR/INDOOR AIR DECISION MATRICES**

# Soil Vapor/Indoor Air Matrix 1

October 2006

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )			
	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

**No further action:**

Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

**Take reasonable and practical actions to identify source(s) and reduce exposures:**

The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

**MONITOR:**

Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**MITIGATE:**

Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**MONITOR / MITIGATE:**

Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.



## ADDITIONAL NOTES FOR MATRIX 1

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This matrix summarizes the minimum actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, resampling may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Additionally, actions more protective of public health than those specified within the matrix may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action is usually undertaken for reasons other than public health (e.g., seeking community acceptance, reducing excessive costs, etc.).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of vapor contamination, nor does it preclude remediating contaminated soil vapors or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.25 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples, a minimum reporting limit of 5 micrograms per cubic meter is recommended for buildings with full slab foundations, and 1 microgram per cubic meter for buildings with less than a full slab foundation.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions may be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including the identified source of the volatile chemicals, the environmental remediation program, and site-specific and building-specific conditions. For example, to the extent that all site data and site conditions demonstrate that soil vapor intrusion is not occurring and that the potential for soil vapor intrusion to occur is not likely, the soil vapor intrusion investigation would be considered complete. In general, if indoor exposures represent a concern due to indoor sources, then the State will provide guidance to the property owner and/or tenant on ways to reduce their exposure. If indoor exposures represent a concern due to outdoor sources, then the NYSDEC will decide who is responsible for further investigation and any necessary remediation. Depending upon the outdoor source, this responsibility may or may not fall upon the party conducting the soil vapor intrusion investigation.

# Soil Vapor/Indoor Air Matrix 2

October 2006

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )			
	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

## No further action:

Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

## Take reasonable and practical actions to identify source(s) and reduce exposures:

The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

## MONITOR:

Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

## MITIGATE:

Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

## MONITOR / MITIGATE:

Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

## ADDITIONAL NOTES FOR MATRIX 2

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This matrix summarizes the minimum actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, resampling may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Additionally, actions more protective of public health than those specified within the matrix may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action is usually undertaken for reasons other than public health (e.g., seeking community acceptance, reducing excessive costs, etc.).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of vapor contamination, nor does it preclude remediating contaminated soil vapors or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 3 micrograms per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples, a minimum reporting limit of 5 micrograms per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions may be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including the identified source of the volatile chemicals, the environmental remediation program, and site-specific and building-specific conditions. For example, to the extent that all site data and site conditions demonstrate that soil vapor intrusion is not occurring and that the potential for soil vapor intrusion to occur is not likely, the soil vapor intrusion investigation would be considered complete. In general, if indoor exposures represent a concern due to indoor sources, then the State will provide guidance to the property owner and/or tenant on ways to reduce their exposure. If indoor exposures represent a concern due to outdoor sources, then the NYSDEC will decide who is responsible for further investigation and any necessary remediation. Depending upon the outdoor source, this responsibility may or may not fall upon the party conducting the soil vapor intrusion investigation.

## **APPENDIX C**

### **NYSDOH AIR GUIDELINES**

300 chemicals in indoor and outdoor settings. Limitations: data are compiled from numerous studies with limitations on selection or screening criteria, data are 20-35 years old, indoor air data include both residential and office spaces, sample size for some analytes is very small (less than 10). Outdoor air data include rural, suburban, urban, source dominated and remote locations.

e. *Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor, and Personal Air (RIOPA)*

Indoor, outdoor and personal air concentrations of 18 VOCs, 10 carbonyl compounds and particulate matter (PM<sub>2.5</sub>) were measured in 100 homes in each of 3 cities between the summer of 1999 and the spring of 2001. Limitations: limited numbers of VOCs, passive organic vapor badge method is subject to sampling bias in stationary versus mobile locations, the passive organic vapor badge method is only approved for tetrachloroethene in New York State.

Among the databases, the Upper Fence (see \*NOTE below) values from the NYSDOH Fuel Oil Study data may be used as initial benchmarks when evaluating residential indoor air (see Appendix C.1) and the 90th percentile values from the EPA BASE data for indoor air in office and commercial buildings (see Appendix C.2). These initial benchmark values should be considered along with the overall distribution of results in the background database to characterize sampling results from a single building or from multiple buildings in a community. The Health Effects Institute 2005 database and the older NYSDOH and EPA databases can also provide useful information on the range of concentrations found in air. The database or combination of databases that best represents site-specific conditions should be used as the basis for comparison. State agency personnel should review and have the opportunity to comment on the proposed use of other databases or subsets of data within a database for evaluating test results.

\*NOTE: The Upper Fence is calculated as 1.5 times the interquartile range (difference between the 25th and 75th percentile values) above the 75th percentile value. It is a boundary estimate used to account for outliers in the data.

### 3.2.5 Relevant standards, criteria and guidance values

a. *Subsurface vapors*

The State of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor).

b. *Indoor and outdoor air*

The NYSDOH has developed several guidelines for chemicals in air. The development process is initiated for specific situations. For example, in New York State, particularly in New York City, dry cleaners are often located in apartment buildings. Because air in buildings mixes to some extent and the dry cleaning chemical tetrachloroethene (PCE) is volatile, it may migrate to residential apartments. When the NYSDOH became aware of this problem and how widespread it is, the NYSDOH developed an air guideline for PCE of 100 micrograms per cubic meter (mcg/m<sup>3</sup>). In addition to PCE, the NYSDOH has developed guidelines for methylene chloride (also referred to as dichloromethane) and trichloroethene (TCE) in air, as well as dioxin and polychlorinated biphenyls (PCBs) in indoor air. Each guideline went through a peer review process, in which expert scientists outside of the NYSDOH reviewed the technical documentation that describes

the scientific basis for the guidance value. The peer reviewers provided technical comments on the data and methods used to derive the guidelines, each of which were addressed by the NYSDOH. Upon completion of the reviews and responses to comments, the guidelines were finalized.

Air guideline values derived by the NYSDOH are summarized in Table 3.1. Additional information about these guidelines is provided in the following:

- Appendix D — overview of how the NYSDOH develops air guidelines; and
- Appendix H — copies of fact sheets that discuss the air guidelines for PCE and TCE.

The purpose of a guideline is to help guide decisions about the nature of efforts to reduce exposure to the chemical. Reasonable and practical actions should be taken to reduce exposures when indoor air levels are above background, even when they are below the guideline. The urgency to complete these actions increases with indoor air levels, particularly when air levels are above the guideline, and additional actions taken if the initial actions do not sufficiently reduce levels. In all cases, the specific corrective actions to be taken depend on a case-by-case evaluation of the situation. The goal of the recommended actions is to reduce chemical levels in indoor air to as close to background as practical.

**Table 3.1** Air guideline values derived by the NYSDOH

Chemical		Air Guideline Value (mcg/m <sup>3</sup> )	Reference
methylene chloride (also referred to as dichloromethane)	MeCl	60	1
polychlorinated biphenyls	PCBs	1*	2,3
tetrachlorodibenzo- <i>p</i> -dioxin equivalents	TCDD	0.00001*	3,4
tetrachloroethene	PCE	100	5
trichloroethene	TCE	5	6,7


\*The guideline is specific to indoor air.

References:

- [1] NYSDOH. 1988. Letter from N. Kim to T. Allen, Division of Air, New York State Department of Environmental Conservation. November 28, 1988.
- [2] NYSDOH. 1985. Binghamton State Office Building (BSOB) Re-Entry Guidelines: PCBs. Document 1330P. Albany, NY: Bureau of Toxic Substance Assessment.
- [3] NYSDOH. 1988. Letter from D. Axelrod to J. Egan, New York State Office of General Services. March 8, 1988.
- [4] NYSDOH. 1984. Re-Entry Guidelines. Binghamton State Office Building. Document 0549P. Albany, NY: Bureau of Toxic Substance Assessment.
- [5] NYSDOH. 1997. Tetrachloroethene Ambient Air Criteria Document. Albany, NY: Bureau of Toxic Substance Assessment.
- [6] NYSDOH. 2003. Letter from N. Kim to D. Desnoyers, Division of Environmental Remediation, New York State Department of Environmental Conservation. October 31, 2003. [Provided in Appendix D.]
- [7] NYSDOH. 2006. Final Report: Trichloroethene (TCE) Air Criteria Document. Center for Environmental Health, Bureau of Toxic Substance Assessment. Troy, NY.

**STATE OF NEW YORK DEPARTMENT OF HEALTH  
INTEROFFICE MEMORANDUM**

**TO:** Regional Environmental Health Directors  
District Directors  
City/County Directors of Environmental Health  
City/County Commissioners-Public Health Directors

**FROM:** A. Kevin Gleason, Director   
Division of Environmental Health Assessment

**DATE:** September 13, 2013

**SUBJECT:** New Ambient Air Guideline and Revised Fact Sheet for Tetrachloroethene

The Department's guideline for tetrachloroethene in ambient air has been lowered from 100 micrograms per cubic meter ( $\text{mcg}/\text{m}^3$ ) to  $30 \text{ mcg}/\text{m}^3$  and the immediate action level has been lowered from  $1000 \text{ mcg}/\text{m}^3$  to  $300 \text{ mcg}/\text{m}^3$ . The previous guideline and action level were issued in 1997, and are no longer scientifically defensible given new toxicity data and risk assessments for tetrachloroethene.

In February 2012, the United State Environmental Protection Agency (USEPA) issued a tetrachloroethene reference concentration or RfC (an estimate of a continuous inhalation exposure to the human population [including sensitive subgroups] that is likely to be without an appreciable risk of deleterious noncancer effects during a lifetime) of  $40 \text{ mcg}/\text{m}^3$  and an air unit risk of  $2.6 \times 10^{-7}$  per  $\text{mcg}/\text{m}^3$ . Another way to express the latter value is to say that an air concentration of  $4 \text{ mcg}/\text{m}^3$  is associated with an estimated excess cancer risk of one-in-one million ( $1 \times 10^{-6}$ ), assuming continuous, lifetime exposure. Department staff has determined that these toxicity values are scientifically robust and health protective. Although these toxicity values are not guideline or standards, one critical characteristic of an air guideline is that it should not be higher than an RfC, if the RfC is above background. Consequently, the USEPA promulgation of its RfC (which is higher than background) necessitates a reduction of our guideline. After a review of toxicity data and the USEPA risk assessment, we have lowered the guideline from  $100 \text{ mcg}/\text{m}^3$  to  $30 \text{ mcg}/\text{m}^3$  and the immediate action level from  $1000 \text{ mcg}/\text{m}^3$  to  $300 \text{ mcg}/\text{m}^3$ .

We have completed a revised fact sheet (attached) to reflect the change in the guideline and immediate action level. The fact sheet is also on our website ([www.health.ny.gov/environmental/chemicals/tetrachloroethene/index.htm](http://www.health.ny.gov/environmental/chemicals/tetrachloroethene/index.htm)). Please feel free to share the revised fact sheet with staff, the public, and interested parties. If you have any questions regarding the content of the fact sheet, contact Kenneth G. Bogdan, Ph.D., at 518-402-7820 or [kbg02@health.state.ny.us](mailto:kbg02@health.state.ny.us).

Attachment (1)

cc: Nathan Graber, M.D., M.P.H.  
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