

This work was conducted prior to flooding caused by Irene, which cause significant damage to the building. As a result the Air Force provided this report, but was not taking comments since the future of the building is unknown.

Prepared for

US Air Force

Assessment of Subsurface Volatile Organic Compounds and Vapor Intrusion Risks

AF Plant 59

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LIST OF ABBREVIATIONS

%	percent
111-TCA	1,1,1-trichloroethane
AFCEE	Air Force Center for Engineering and the Environment
BAE	BAE Systems
cDCE	cis-1,2-dichloroethene
CTPs	communication test points
ft	feet
ft ²	square feet
ft/day	feet per day
ft ² /day	square feet per day
ft ³ /day	cubic feet per day
GC-MS	gas chromatography-mass spectrometry
Geosyntec	Geosyntec Consultants, Inc.
HPV	high purge volume
L	liters
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	tetrachloroethene
pCi/L	picocuries per liter
PID	photoionization detector
ppm _v	parts per million by volume
PVC	polyvinyl chloride
scfm	standard cubic feet per minute
scfm/in H ₂ O	standard cubic feet per minute per inch of water vacuum
TCE	trichloroethene
tDCE	trans-1,2-dichloroethene
TWA	time-weighted average
µg/m ³	micrograms per cubic meter
VOCs	volatile organic compounds

1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) has prepared this report to document investigations of subsurface vapors performed at the Air Force Plant 59 (Plant 59), in Johnson City, New York (the Site, **Figure 1**). The goals of this work were to complement the assessment of potential risks attributable to subsurface vapor intrusion (VI) conducted by AECOM under contract with the United States Air Force and support decision-making regarding any further actions to assess or manage potential risks associated with the VI pathway.

The specific objectives of the investigation were to:

1. Further characterize the distribution of volatile organic compounds (VOCs) below the floor slab (i.e. the sub-slab region) in the vicinity of three previously identified areas of elevated soil vapor concentrations beneath the building (SL118, SL084, and SL022);
2. Assess the gas permeability of the sub-slab materials and the leakance of air from inside the building to the subsurface to support calculations of the potential migration of vapors from the subsurface to indoor air;
3. Assess the potential for indoor air exposures to chemicals attributable to subsurface vapor intrusion to indoor air;
4. Make recommendations for any further actions needed to reduce uncertainties in the long-term estimates of vapor-intrusion-related exposures and, if necessary, to reduce any unacceptable or potentially unacceptable exposures to acceptable levels, and
5. Collect comparative data with an emerging sampling technique to assess the potential applicability of the new method in any future monitoring activities.

Funding from this work was provided by the Air Force Center for Engineering and the Environment (AFCEE) in San Antonio through sub-contract number W912BV-10-D2012 with Enviro Compliance Solutions, Inc. who administered this work under a prime contract with the United States Army Corps of Engineers, Tulsa District dated June 25, 2010.

2. BACKGROUND

Volatile organic compounds (VOCs) such as trichloroethene (TCE) 1,1,1-trichloroethane (111-TCA) and tetrachlorethene (PCE) were historically used as solvents at Plant 59 as part of various manufacturing processes. The New York State Department of Environmental Conservation (NYSDEC) requested that the Air Force evaluate the vapor intrusion pathway at Plant 59, as part of a statewide initiative to assess potential vapor intrusion risks. A multi-phase investigation of the vapor intrusion pathway was conducted by the Air Force from 2004 – 2008 (Earth Tech 2007, Earth Tech, 2008), and a follow-up investigation was conducted from 2009-2010 (AECOM, 2010). The key findings from those investigations are summarized in the AECOM Air Force Plant 59 Vapor Intrusion Investigation Report (AECOM, 2010) and are paraphrased below:

- Most of the area beneath the building has very low sub-slab TCE concentrations. The median sub-slab concentration of TCE in the February 2010 data set was 5.9 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and the geometric mean concentration was $10.13 \mu\text{g}/\text{m}^3$. This is barely above the New York State Department of Health (NYSDOH) guideline value of $5 \mu\text{g}/\text{m}^3$.
- There are a few areas beneath the building (near SL-022, SL-084, and SL-118) where sub-slab vapor concentrations of TCE exceed the upper end of the range of concentrations in “Soil Vapor/Indoor Air Matrix 1” (sub-slab TCE concentration of $250 \mu\text{g}/\text{m}^3$) in the New York State’s “Guidance for Evaluating Soil Vapor Intrusion” (October 2006), although they are limited in areal extent;
- The vast majority of indoor air samples collected at Plant 59 had concentrations below the NYSDOH guideline value of $5 \mu\text{g}/\text{m}^3$ for TCE in air. The median concentration of TCE in indoor in the February 2010 data set was $0.54 \mu\text{g}/\text{m}^3$, and;
- The distribution of VOCs below the floor-slab (including fill, soil and groundwater beneath the building) is typically greatest immediately beneath the floor slab and diminishes with depth toward the water table. This distribution suggests that VOCs originated from unknown shallow releases from within the building (e.g., floor drains, utility lines, etc.) rather than sources in the soil or groundwater at deeper levels. The only known source of TCE release below the building was the shallow soil (dirt floor) in the East basement area where 119 cubic yards of soil were excavated and removed in 2005.

The Air Force intends to transfer Air Force Plant (AFP) 59 to Broome County Industrial Development Agency (BCIDA) in the near future and would like to make decisions regarding the need for any further actions to address vapor intrusion at Plant 59 to maintain regulatory compliance and manage any potential future liabilities related to vapor intrusion.

3. SCOPE AND RATIONALE

The scope of work for this study included three main components:

1. Additional sub-slab and indoor air sampling in the vicinity of SL-022, SL-084, and SL-118; the three areas of the building identified by AECOM as having the most elevated sub-slab TCE soil vapor concentrations (**Figure 1**);
2. High Purge Volume (HPV) testing in the vicinity of SL-022, SL-084, and SL-118 to assess the concentrations, persistence and distribution of subsurface vapors as well as the permeability and lateral connectivity of the sub-slab fill materials; and leakance of the floor slab; and
3. Data analysis and interpretation, including historic and recent data.

The indoor air VOC samples were collected over a 2-week period using a passive sampler (the “Waterloo Membrane Sampler” or WMS[™], as described by Seethapathy and Gorecki, 2010, 2011), which provides a longer-term time-weighted average concentration compared to the previous indoor air 24 hour grab samples collected with one liter (L) Summa canisters. Radon research has shown that longer-term samples (1 week to 1 month) show less temporal variability and are more likely to be representative of the exposures (25 years or more) considered in a human health risk assessment. Indoor air radon samples were also collected because it may be possible to estimate the relative proportion of subsurface gas entering a building if the indoor air radon concentrations are elevated above typical outdoor air levels and radon concentrations are also measured below the building.

Sub-slab samples were collected by Summa canister (currently the most common method) and 2-week WMS[™] samples to assess current conditions in areas of elevated concentrations and compare and contrast the two types of sample collection methods. Both sampling methods were also used during the HPV sampling to assess changes in the VOC concentrations during the conduct of the test and to provide a volume-weighted average concentration, respectively. Two different types of WMS[™] samplers (thermal desorption and solvent extraction) were used during the HPV tests to assess the correlation between the two passive sampling and analysis methods. For both the initial sub-slab sample and the HPV tests, the comparison between the Summa canister and passive sampler data was collected to assess the potential application of the passive sampler for sub-slab concentration measurement. The WMS samplers have been shown to provide quantitative VOC concentrations data comparable to Summa canisters and EPA Method TO-15 for indoor air sampling already (Geosyntec, 2010; Seethapathy and Gorecki, 2010, 2011).

High Purge Volume sampling (McAlary et al., 2010) involves removal of tens or hundreds of thousands of liters of sub-slab vapor, which provides insight into the spatial distribution of

VOCs beyond the sampling location that cannot be achieved with a typical one-to-six liter Summa canister sample. In addition, transient vacuum response testing was conducted to provide a basis for conservatively estimating the rate of leakage of vapors through the slab. Combined with the sub-slab concentration data, the leakage data can be used to estimate the upper end of the range of potential mass flux of contaminants into the building. The mass flux calculations provide an additional line of evidence for characterizing potential vapor-intrusion-related exposures and for improving risk management decisions.

The historic indoor air and sub-slab vapor data was also reviewed as part of this work to support the analysis with multiple lines of evidence. Several vapor intrusion guidance documents (e.g., ITRC 2007), discuss the virtues of multiple lines of evidence in vapor intrusion assessments. The main reason for this approach is that each type of evidence has certain strengths and weaknesses; however, they differ from one line of evidence to the next. Therefore, confidence increases with more than one method of assessment.

4. METHODS

The methods used during this investigation are presented in the following subsections.

4.1 Resampling of Existing Sub-Slab Probes

The construction of the existing sub-slab probes SL-022, SL-084, and SL-118 are shown on **Figure 2**, provided by AECOM. **Figure 3** shows the sampling apparatus for the Summa canister samples. The Summa canister was connected to the existing sub-slab probe through new Nylaflow tubing and compression fittings to the female NPT Fitting on the probe. The lung box and Tedlar bag shown in **Figure 3** were used to purge the probe for three or more successive volumes of 0.5 to 1 L for field screening. A shroud filled with helium covered the sampling apparatus during purging to test the integrity of the vapor probe seal and sample train fittings. Each successive Tedlar bag was analyzed in the field for the presence of helium using an MGD 2002 helium meter and for VOC concentrations using a Mini-Rae 2000 photoionization detector (PID). Field screening was performed to confirm stability of VOC concentrations and absence of significant levels of leak-check tracer prior to sampling with the Summa canisters.

After purging was completed, the valve to the lung box was closed and the 1 L Summa canister was filled over an approximately 5 minute interval by opening the flow controller valve. The Summa canisters, which were provided by TestAmerica of Burlington VT, were subsequently shipped to the laboratory for analysis by USEPA Method TO-15.

Three passive sub-slab samples were collected using low-uptake WMS[™] samplers at locations within 1.1 feet of each of the three existing sub-slab probes (SL-022, SL-084, and SL-118) for a period of approximately 2 weeks. The WMS[™] samplers were deployed inside a 2½-inch diameter hole drilled through the existing wood floor (~ 2 inches thick) using a circular wood hole saw bit and through the concrete slab (5 to 11 inches thick) using a hammer drill and a concrete drill bit. These holes were drilled to accommodate the pipe used for the HPV tests. A void of varying thickness (0 to ~ 1 inches) was present between the wood floor and the concrete slab. **Figure 4** shows how the hole was sealed to prevent indoor air exchange with the subsurface and avoid having anchoring cement contact the WMS[™] samplers. A 2½-inch diameter plug constructed with a steel washer wrapped with FrostKing "Poly Foam Caulk Saver" (a.k.a., "backer rod") and PFTE tape was used to create a partial seal and the anchor cement was used as a supplemental seal. The WMS[™] samplers were hung from a wire and connected to the plug to prevent the membrane of the passive samplers from contacting the bottom of the drilled hole. The WMS[™] samplers were retrieved approximately two weeks later by removing (chiseling) the anchoring cement above the plug until the plug and WMS[™] samplers could be removed. The WMS samplers were subsequently shipped to Air Toxics Ltd. (Folsom, CA) for analysis by carbon disulfide extraction followed by gas chromatography-mass spectrometry (GC-MS) analysis for the full WMS sampler analyte list (see Appendix A).

4.2 Indoor Air Sampling for VOCs and Radon

Indoor air VOC and radon samples were collected in the vicinity of the three sub-slab sampling locations using passive WMS[™] samplers and E-PERM electret samplers, respectively. The WMS passive sampler samplers were deployed to provide two-week-long average indoor air concentrations of VOCs that were previously detected in subslab and indoor air samples (TCE, PCE, 1,2-DCE, 1,1,1-TCA and carbon tetrachloride). The E-PERM samplers are standard samplers used in the radon industry for the collection of medium-term radon samples of indoor air. Because AFP 59 is situated in an area with elevated naturally-occurring radon concentrations, they were deployed to provide an additional line of evidence regarding the susceptibility of Plant 59 to subsurface vapor intrusion. The samplers were suspended on a string with their sampling ports exposed approximately 8 feet above the floor. They were deployed for approximately the same two-week period as the sub-slab samplers (4/14/2011 or 4/15/2011 to 4/28/2011), and then retrieved. The WMS[™] samplers were subsequently shipped to Air Toxics Ltd. (Folsom, CA) for analysis by carbon disulfide extraction followed by GC-MS analysis for selected VOCs (1,1,1-TCA, TCE, PCE, cis-1,2-dichloroethene [cDCE], trans-1,2-dichloroethene [tDCE], vinyl chloride, and carbon tetrachloride). The E-PERM electret samplers were hand delivered to Enviro Testing (Binghamton, NY) for analysis of radon by EPA Protocol #402-R-92-004.

4.3 High Purge Volume Sub-Slab Vapor Testing

HPV testing was conducted at the three locations of elevated sub-slab concentration on April 28 (SL-118) and April 29 (SL-084 and SL-022). Once the passive samplers were removed, the fill material at the bottom of the hole was loosened with a hammer drill to encourage air flow and a suction point was installed by inserting a 1 ½-inch diameter polyvinylchloride (PVC) pipe into the 2 ⅝-inch diameter hole. A combination of backer rod and a rubber O-ring wrapped in Teflon tape were used to create a gasket in the annular space between the PVC pipe and the hole in the concrete slab, then anchoring cement was poured around the PVC pipe and filled to the surface of the wood floor to create a seal. The seal and the rest of the HPV apparatus was set up as shown in **Figure 5**. Each HPV test consisted of drawing gas from below the floor at the highest rate practicable. The first test was run for 120 minutes to maximize the region of influence, and all three tests showed virtually no change in PID readings during the duration of the tests, so second and third tests were run for 71 and 78 minutes, respectively.

The discharge from the extraction fan (Shop-Vac[™]) was run into the inlet ductwork of a portable air scrubber equipped with a suction fan and activated carbon filters. The flow rate through the portable air scrubber was greater than the flow rate through the Shop-Vac[™] ensuring that all of the sub-slab vapor extracted by the HPV apparatus was filtered by the portable air scrubber.

The HPV test was initiated by turning on the portable air scrubber followed by the activation of the Shop-Vac[™]. During the HPV testing, slip-stream samples of the extracted soil vapor were collected using a vacuum chamber (a.k.a. lungbox) and 1 L Tedlar[™] bags. The Tedlar bags were screened for total ionizable VOCs using a PhoCheck PID (Ion Science), which was calibrated to 100 ppm isobutylene and carbon filtered indoor air in accordance with the manufacturer's specifications. Additional samples were collected for laboratory analysis using two methods:

- 1) time-weighted-average samples (TWA);
- 2) grab samples.

Time-weighted-average samples were collected using two different types of WMS[™] sampler (a thermal desorption and a solvent desorption type). The TWA samplers were deployed inside the HPV vent pipe immediately prior to the start of the test and removed at the end of the test. The passive sampler port on the HPV apparatus was not large enough to accommodate 2 passive samplers; therefore, one passive sampler was hung on a wire and deployed into the sample stream through the air bleed valve (**Figure 5**). The air bleed valve was closed following the deployment of the passive sampler and remained closed for the duration of the HPV test. The grab samples were collected using Summa canisters at intervals of 5 and 20 minutes after the start of each test and at the end of each test using the sample port shown in **Figure 5**.

During the HPV test at SL-118 the Tedlar bag samples were also screened with the radon meter; however, the radon meter readings gradually drifted upwards from about 49 to about 190 pCi/L. To test whether this was indicative of a real increase or just slow instrument response, the meter was allowed to recover by drawing only indoor air for a period of approximately 40 minutes, after which, the radon meter readings returned to low ambient levels. Soil vapor samples were once again screened and the radon readings were similar to the initial readings (~50 pCi/L). Therefore, the gradual increase in the radon readings in successive samples during the HPV test at location HPV-118 was attributable to acclimation (needing to screen a large volume before arriving at the true concentration). The recommended time required to reach a stable reading is about 20 minutes, and the flow rate of the instrument was too high to allow the 1 L Tedlar bag samples to supply sufficient gas for a stable result. The observed concentrations likely represent the minimum concentration of the sub-slab radon concentration in the vicinity of SL-118, and therefore, when compared with the indoor air concentrations are likely to underestimate the amount of radon attenuation provided by the building slab. Because of the large time delay required for the radon meter to return to baseline readings and the large sample volume required by the radon meter (larger than 1 L) to reach a stable reading, Tedlar bag slip-stream samples from the HPV tests at SL-084 and SL-022 were not screened with the radon meter.

4.4 Transient Response Testing and Mathematical Analysis

During the HPV tests, transient response data was collected at communication test points via the cyclic operation of the extraction fan (ShopVac[™]) while logging the vacuum (drawdown and recovery) at nearby probes with the Zephyr II[™] micromanometer. This generates transient pneumatic response data for each specific location, similar to a groundwater constant-discharge pumping test. After adjusting for the different densities and viscosities of water and air, the data from HPV-022 and HPV-084 were analyzed using semi-confined (leaky) aquifer model developed by Hantush and Jacob (1955) to estimate the gas conductivity of the sub-surface soil and the coefficient of leakage of air from above the floor slab. At location SL-022, tests were performed using data collected at radial distance of 7 and 15 feet, to assess the consistency of the calculated transmissivity (T) and leakance (B) parameters. These parameters were in turn used to calculate the horizontal air flow velocity with distance from the extraction well, the profile of vacuum versus radial distance from the well, and the relative proportion of flow from indoor air and the subsurface (assuming all leakage was from above the slab). A discussion of the transient response testing and analysis is described further in **Appendix B**.

The amount of leakage will be a function of the number of cracks and penetrations in the floor slab. The slab was covered with a wood floor, so visual confirmation of the condition of the concrete slab was not possible. It is also possible that leakage (which is typically from indoor air being drawn down into the subsurface) may for this particular building originate either from the gap between the wood floor and the concrete floor (see **Figure 2**) or some sub-floor ducts described in previous reports (AECOM, 2010). These features appear to have had a significant influence at HPV-118 because the vacuum response was negligible at all monitoring points, including existing sub-slab probe SL-118, which was less than a foot away from the point of extraction. This behavior has never been observed in any previous HPV test of sub-slab gas. Therefore, transient testing and mathematical analysis was not performed for this location.

At each HPV test location, existing sub-slab probes (either SL-022, SL-084, or SL-118) were used as communication test points. Each of the existing sub-slab probes were within approximately 1 foot from their respective well head (HPV-022, HPV-084, HPV-118). Additional communication test points were installed at each HPV test location by coring through the wood floor with a 2 1/8-inch hole-saw bit, and drilling through the underlying concrete with a 1/2-inch drill bit and hammer drill. The hole was vacuumed out with a Shop-Vac[™] and a 1/4-inch diameter Nylaflo tubing was inserted into the 1/2-inch hole. Modeling putty was placed around the Nylaflo tubing at the surface of the concrete slab to create a pneumatic seal and backer rod was inserted into the void between the wood floor and the concrete slab. Hydraulic cement was poured into the gap between the concrete slab and wood floor to complete the seal. The Zephyr II+ micromanometer was connected to the probe through Nylaflo tubing and a Swagelok[™] fitting with a ball valve.

Upon completion of the HPV tests and the transient response tests, the 1 ½-inch PVC pipe was pulled from the hole and the hole was filled with fast-setting anchoring cement to the surface of the wood floor. Dust and debris were vacuumed to return the areas to their original appearance. All communication test point holes were filled with fast-setting anchoring cement and the carpet section covering SL-084S and SL-084D were put back into place. Dust and debris were vacuumed to return the areas to original appearance.

4.5 Laboratory Analysis

Summa canisters used in the sampling program were obtained from the TestAmerica Burlington, VT laboratory (batch certified clean) a few days before each sampling event and returned to the laboratory for analysis by USEPA Method TO-15 one to two days after sample collection.

The WMS samplers were obtained from SiREM Laboratories of Guelph, Ontario a few days prior to sampling, and were shipped to Air Toxics Inc. of Folsom, California for analysis one to two days after sample collection. The indoor air WMS samplers were analyzed for site-specific VOCs: 111TCA, TCE, PCE, cDCE, tDCE, vinyl chloride, and carbon tetrachloride. The subslab and HPV samples were analyzed for a suite of VOCs commonly of interest for VI assessments. All of the samplers had Anasorb 747 as the adsorbent and were analyzed by carbon disulfide extraction and gas chromatography/mass spectroscopy (GC/MS), except for the duplicate samples in the HPV vent-pipes, which had Carbpac B as the adsorbent and were analyzed by thermal desorption GC/MS for added sensitivity (lower reporting limits).

4.6 Recontouring Sub-Slab TCE Concentration Data

The sub-slab TCE concentration data from February 2010 was re-contoured as described below to provide an additional depiction of the subsurface TCE distribution. The previous contour plot (AECOM, 2010, Figure 5.1-12) depicted the 250 µg/m³ contour extending to considerable distances beyond areas of elevated concentrations, and in many cases all the way to locations where the measured concentrations were much lower. For example, location SL-084 had a TCE concentration of 38,675 µg/m³ and adjacent locations SL-056 and SL-112 (at distances of about 50 feet each from SL-084) had concentrations of 0.84 and 2.06 µg/m³, respectively. The limit of the 250 µg/m³ contour should therefore have been about 2/3rds of the distance to the adjacent probes from SL-084; however, the previous contour plot showed the 250 µg/m³ contour extend all the way to or beyond these sample locations, which tends to overestimate the subsurface TCE distribution.

The revised contour plot was generated by performing a logarithmic transformation of the data prior to the interpolation. This is a method for handling data sets that are log-normally distributed, which is common for VOC distributions in the subsurface. The log-transformed data had an approximately normal distribution. The semi-variogram model contained 6,780 pairs and a range of approximately 286 with an approximate sill of 0.95. The resulting

interpolated surface had a confidence level of approximately 95% and a standard deviation of approximately 5.

4.7 Mass Flux Calculations

The leakance values calculated from the Hantush Jacob analysis of the transient vacuum response test data were used together with the sub-slab concentration data to calculate an upper estimate of the mass flux of vapors from the sub-surface to indoor air. Estimates of the indoor air concentrations can then be calculated by dividing the mass flux by the building ventilation rate. This was done for both the entire building as well as localized areas around the highest sub-slab concentrations in order to provide an average and upper estimate of indoor air concentrations attributable to vapor intrusion. The equations are provided in Section 6.3.

5. RESULTS

The following sections describe the results of the sub-slab and indoor air sample collection and analysis, HPV tests and transient pneumatic test analysis and mass flux calculations.

5.1 Sub-Slab Sampling

5.1.1 Field Screening Results Prior to Summa Canister Sample Collection

PID readings from the purged volumes collected prior to the Summa canister sub-slab sampling were consistent for each successive Tedlar bag purged at each probe and the PID readings ranged from 1.2 to 41.9 parts per million by volume [ppm_v], depending on the location (**Table 1**). This corresponds to TCE concentrations of about 3,000 to 100,000 µg/m³ for TCE, if TCE is the dominant compound present (the PID response factor for TCE is 0.5). These PID results correspond well to the expected concentrations from previous sampling events (AECOM, 2010).

The maximum observed concentrations of helium in the purged volumes were below 2.3% of the minimum helium concentrations in the shroud, suggesting the samples were not significantly biased by leakage from indoor air drawn through leaky seals or fittings.

Radon concentrations from the purged volumes collected prior to the Summa canister sub-slab the sub-slab probe ranged from 25.6 picocuries per liter (pCi/L) at SL-118 to 241.7 pCi/L at SL-022.

5.1.2 Summa Canister and Passive Sub-Slab Sample Analytical Results

All analytical Summa canister and passive sub-slab sample results are shown in **Table 2** and the laboratory reports of analysis are located in **Appendix A**. There are several trends apparent in the data on **Table 2**:

- TCE has the highest concentration of all VOCs in two of the three locations (roughly 10X higher than 111TCA and Freon TF at location SL-022, and roughly 50X higher than cDCE, and roughly 100X higher than PCE at location SL-084) and similar concentrations to 111-TCA at location SL-118. Freon TF, 111-TCA and cDCE are considerably less toxic than TCE; therefore, TCE is the compound of primary interest;
- TCE was detected above the NYS Matrix 1 “mitigate” criterion of 250 µg/m³ at all three locations. Risk assessment and risk management decisions based on the TCE concentrations in the sub-slab soil vapor and indoor air will be conservative for vapor-intrusion related exposures of the other compounds present in the sub-slab;
- TCE concentrations diminished by a factor of 2 or less during the conduct of the HPV tests, during which time the total volume of gas removed from the subsurface was in the

range of 40,000 to 98,000 L. This indicates that concentrations are fairly consistent in the sub-floor region surrounding the HPV test locations, and a relatively small amount of the total gas extracted was indoor air that entered the subsurface through the floor slab during the tests;

- Concentrations detected in the passive sub-slab samples were generally less than the concentrations detected in the sub-slab Summa canisters samples collected at the start of the program and two weeks later at the beginning of the HPV tests. The negative bias was typically about a factor of five and up to about an order of magnitude and was observed for all three sets of WMS samples (fully passive and both thermal and solvent extraction versions within the HPV apparatus). The Summa canister data are considered representative and sufficient for decision-making purposes.

5.2 Indoor Air VOC and Radon Concentrations

Laboratory analytical results for the indoor air WMS™ samples collected over the two-week period from April 14, 2011 to April 28, 2011 are provided in **Table 2**. There were no detections of any of site-specific VOCs above the laboratory reporting limits in the indoor air samples.¹ The sampling conditions in which the WMS indoor air samples were collected are consistent with the standard practices used in their deployment and with the conditions that were used to establish empirical uptake rates for the samplers (i.e. adequate face velocity past the sampler membrane). Based on those factors, the indoor WMS indoor air results are considered to be representative of the indoor concentrations of VOCs at those locations during the sampling period. That assumption is supported by the similarity between the WMS indoor air results and the median TCE indoor air concentration (0.54 µg/m³) obtained by AECOM in February 2010 and by considerable past experience with the WMS sampler under similar conditions (Seethapathy and Gorecki, 2010, 2011). It is also consistent with the decreasing concentration trends observed at the three test locations from the August 2009 to the February 2010 sampling events, and with the decreasing concentration observed in outdoor air samples over that same period.

The analytical indoor air radon concentrations ranged from 1.1 to 1.4 pCi/L (see Table 6). These values are slightly above the national average outdoor air concentration of radon of 0.4 pCi/L (<http://www.epa.gov/radon/healthrisks.html>). The building is in an area of elevated radon levels (<http://www.health.state.ny.us/environmental/radiological/radon/livingctymap.htm>), so it is not clear whether there is a measurable contribution of radon from subsurface or whether the radon in indoor air is simply attributable to ambient outdoor air radon concentrations.

¹ It should be noted that the reporting limits were slightly elevated compared with the recommended limits in the NYSDOH Guidance. For example the recommended IA reporting limit for TCE is 0.25 µg/m³, but the reporting limit for the WMS samples was 0.77 µg/m³.

5.3 High Purge Volume Testing Results

The HPV tests ranged in duration between 70 and 120 minutes with total volumes of 40,000 to 98,000 L of gas removed. The vacuum response data at location SL-118 was not typical, but the response at the other two locations was typical, as discussed further below. Time constraints prevented a repeat test at location SL-118.

5.3.1 Field Screening Measurements from HPV Test Points and CTP Points

The cumulative volume of gas removed, wellhead vacuum, extraction flowrate, total VOC and radon concentrations measured in real-time using portable instruments from the extracted vapor at each HPV test point is provided in **Table 3**. The highest PID readings were measured in samples collected from HPV-084 (approximately 40 ppm_v). The maximum readings at HPV-022 and HPV-118 were 1.72 and 1.45 ppm_v, respectively. The PID readings remained relatively steady over the duration the HPV tests at all three locations, which suggests that the sub-slab vapor concentrations are reasonably uniform beneath the slab in the immediate vicinity of each test location and the amount of indoor air entering the subsurface is small relative to the total volume of gas removed.

These PID readings from the HPV tests are in close agreement with the PID readings collected two weeks earlier during purging prior to sampling the sub-slab probes SL-118, SL-022, and SL-084 (see below).

Location	Avg Total VOCs (PID) (4/14/11 – 4/15/11) Sampling Event	Avg Total VOCs (PID) (4/28/11 – 4/29/11) HPV Sampling Event
SL-118	1.2 ppm _v	1.40 ppm _v
SL-022	2.5 ppm _v	1.67 ppm _v
SL-084	39.8 ppm _v	36.57 ppm _v

These data support the conclusion that the sub-slab distribution of VOC concentrations in the vicinity of the sample locations was relatively steady over the time period during which the investigation took place (i.e., temporal variability was minimal).

Radon concentrations were monitored during the HPV test at HPV-118 and ranged from 48.6 to 190 pCi/L. As described in Section 3.2 the radon readings are believed to either have drifted upwards or were slow to acclimate during the use of the meter, making it difficult to identify trends in the subsurface radon concentrations as a function of volume purged (if any).

The total VOC concentrations (by PID) and steady-state vacuum measured at select communication test points (CTPs) are provided in **Table 4**. The PID readings at the CTPs SL-022 and TP-022-7 were similar (within a factor of 2 or so) to the readings observed at the point of extraction (HPV-022) during the HPV test. The total VOC concentrations measured at SL-084D (0.43 and 1.61 ppm_v), the eight-foot deep probe, were significantly lower than the 40 ppm_v measured at the sub-slab point of extraction located just under 4 feet away (in plan view) (HPV-084, see **Table 3**). These results are consistent with the results obtained by AECOM in February 2010 who measured TCE concentrations of 38,675 µg/m³, 3,545 µg/m³, and 172 µg/m³ in samples from sub-slab, four-foot deep and eight-foot deep probes, respectively. These data, combined with AECOM's February 2010 groundwater sampling results (the TCE groundwater concentration beneath this area of the building was less than 1 µg/L) support the hypothesis that the "source" of contamination in the vicinity of SL084 is immediately beneath the building (e.g., floor drains, utility lines, etc.) rather than in a deeper stratigraphic zone or groundwater. There was no measurable vacuum at the communication test points at SL-118, which was unexpected and inconsistent with the typical HPV test results; therefore, samples for PID screening were not collected at that location.

5.3.2 Steady-State Vacuum Response Testing

The HPV tests showed applied vacuums of 38 to 48 inches of water column (in H₂O) and extraction flow rates between 22 to 31 standard cubic feet per minute (scfm) (**Table 3**). The ratio of the flow rate divided by the applied vacuum is the specific capacity, which is linearly proportional to the permeability of the subsurface materials. The specific capacities ranged from 0.5 to 0.8 standard cubic feet per minute per inch of water column vacuum (scfm/in H₂O), which indicates that the subsurface permeability is generally uniform beneath the slab and the sub-slab material is highly permeable.

Steady (maximum) vacuum measurements recorded at each CTP surrounding the HPV test points are presented in **Table 4**. The vacuum response surrounding HPV-084 indicates a vertical connectivity. This was demonstrated by the vacuum response measurements at SL-084D and SL-084S, which are located in the same distance and direction from the extraction point but are screened at different depths. SL-084D was screened at a depth of 8 feet below the slab and had a measured induced vacuum of -0.013 in H₂O while SL-084S was screened at four feet below the concrete slab and had a measured induced vacuum of -0.036 in H₂O indicating a decreasing vacuum influence with depth. The fact that there was a measureable vacuum response at SL-084D and SL-084S indicates that the vadose zone soils (fill) are permeable enough to allow some vertical flow of soil gas.

At HPV-118, three communication test points at 0.5 feet (SL-118), 7.2 feet (TP-118-7), and 5 feet (TP-118-5) from the wellhead were monitored for vacuum response while a vacuum of 47.6 inches of water column (in-H₂O) was applied to the wellhead (HPV-118). A measurable vacuum was not observed at any of those CTPs; a result which has not been observed by Geosyntec in

any previous sub-slab HPV test. The reason why a vacuum response was absent in the nearby points is not clear. It may be due to the presence of a highly transmissive sub-slab feature beneath the slab that “short circuited” the pressure field such as an historic sub-slab vacuum duct (see AECOM Figure 5.2.2 in the September 2010 Report).

At HPV-022, the steady-state vacuum response was very typical, in fact the vacuum at a radius of 15 was predicted within 10% before the CTP probe was even installed using a semi-logarithmic plot of vacuum vs log distance populated with data from the probes closer to the point of extraction.

5.3.3 Transient Vacuum Response Test Analysis

Transient response tests were conducted and analyzed at locations HPV-022 and HPV-084 to assess the degree of potential leakage across the building slab. Because there wasn't a sufficient vacuum response at monitoring points in the vicinity of HPV-118, transient response tests were not performed there. The results from the transient response testing and analysis are provided in **Appendix B** and summarized in **Table 5**. The Hantush and Jacob (1955) leaky aquifer model was used to analyze the transient vacuum response to the cyclic operation of the vapor extraction fan (ShopVac™) at each location. A conceptual sketch and description of the model theory and assumptions are shown in **Appendix B**. As illustrated in Figure 3 of Appendix B, the amount of drawdown that is observed in a “leaky” system over time (the blue solid line) is less than what would be expected if no leakage were occurring (the red dashed line, which represents the Theis confined aquifer model). This is because air that enters the extraction point comes not only from two sources: 1) progressively greater radial distances in the granular sub-slab fill, (which requires continuous propagation of vacuum), and 2) leakage. As soon as the volume of air supplied by leakage matches the volume of air being removed from the subsurface, there is no need for vacuum to propagate any further in space or in time. It should be noted that because the model assumes that all leakage comes through the overlying low-permeability layer (i.e., the floor slab) rather than from deeper stratigraphic horizons or from discontinuities (preferential pathways such as subsurface utilities) between the slab base and the fill below, the analysis may overestimate (but not underestimate) the magnitude of leakage across the floor slab. Thus, this analysis represents a conservative approach to the characterization of the vapor migration potential across the slab.

In Appendix B, there are a series of figures for each HPV test. For each of the three sets of transient vacuum data analyzed:

Figure 1 shows the layout of probe locations.

Figure 2 shows the raw vacuum response data (drawdown and recovery) for at least one cycle of the fan.

Figure 3 shows the fit between the Hantush Jacob model and the transient drawdown and recovery data, as well as the calculated parameters of transmissivity (T) and radius divided by

leakance factor (r/B). Also shown on **Figure 3** is the curve that would have been expected if there was no leakage (the red dashed line represents the Theis curve), to convey the effect that leakage had on the magnitude of the vacuum measurements.

Figure 4 shows the measured profile of vacuum versus radial distance, as well as the profile calculated using the parameters derived from the Hantush Jacob analysis. The fit between the transient vacuum versus time data (**Figure 3** for each test) and the steady-state vacuum versus radial distance (**Figure 4** for each test) can only both be good if the T and r/B values are representative for the subsurface materials in the vicinity of the point of extraction because these are two independent sets of data. This was achieved by an iterative process of adjusting the T and r/B values in the matches between the drawdown vs time data in Figure 3 and the drawdown vs distance data in Figure 4 until one set of parameters fit both sets of data.

Figure 5 shows the calculated profile of induced flow velocity versus radial distance for each HPV test, assuming a gas-filled porosity of about 30% and that most of the flow occurs through a granular fill layer below the concrete slab (which may or may not be the actual case) including a line representing the condition of no leakage (Theis model).

Figure 6 shows the calculated profile of the time required for a gas molecule to migrate through the subsurface and arrive at the point of extraction, and also includes a curve for the condition with no leakage for comparison, again assuming flow is predominately through a granular fill layer below the concrete. The duration of the HPV test is shown, and where that time intersects the dashed line, the corresponding distance represents the radius from which soil gas was extracted during the test, if all gas flow was through a gravel layer below the floor slab.

Figure 7 shows the relative proportions of gas extracted from the porous medium (area integrated below the curve) versus gas attributable to leakage (area integrated above the curve). For all of the data analyzed, the analyses indicate that the majority of flow was attributable to leakage (but not necessarily leakage from indoor air) by the end of each test. This finding is interesting because the PID readings and VOC concentrations measured during the HPV tests (See Section 5.4.4) did not decrease substantially (a factor of two or less) during each test, which indicates that the leakage was predominantly attributable to a sub-surface source and not indoor air leaking across the slab, otherwise, a rapid decrease in concentrations would have occurred. Therefore, it appears that the majority of the leakage originated from a sub-slab feature, such as a utility conduit, the gap between the wood floor and the concrete floor, or possibly the sub-floor ducts described by AECOM (2010).

5.3.4 Laboratory Analytical Results of Extracted Sub-slab Vapor

Laboratory analytical results for the sequential Summa canister slip stream and WMST[™] samples collected during each of the HPV tests are provided in **Table 2**. The concentrations of TCE, PCE, cis-12DCE, and 111TCA measured from Summa samples collected two weeks prior to the HPV tests and during the test are plotted against the volume purged during the test in **Figure 6**. The concentrations of the VOCs in the sequential Summa canister samples at SL-022 and SL-

118 remained relatively consistent during the test, indicating that the distribution of VOCs in the sub-slab in the vicinity of the test points is relatively homogeneous and the amount of indoor air drawn into the subsurface during these tests was minimal. The sequential Summa canister samples at SL-118 show a slight decrease in concentrations during the test (about a factor of 2), indicating that the concentrations just outside the vicinity of the HPV extraction point are slightly lower, or there may have been some indoor air entering the subsurface during the test. This is consistent with the stable PID data collected during the test (**Table 3**).

The Hantush Jacob analysis indicates that by the end of each HPV test, the vast majority of the air being extracted was attributable to leakage (about 95% or more) for all the transient vacuum response data analyzed (see the three plots titled Figure 7 in Appendix B). If this leakage was all attributable to indoor air crossing the floor slab (as assumed by the Hantush Jacob model formulation), then the concentrations in the extracted gas would have been expected to drop by a factor of 20 or more. Since the concentrations either did not drop or dropped by a factor of 2 or less, then the Hantush Jacob Model would overestimate the leakage across the floor slab by a factor of 10 or more. This fact is discussed further in the mass flux calculations in Section 6.3.

The two simultaneous time integrated WMSTM samples (one thermal desorption sampler and one solvent desorption sampler) collected during each of the HPV tests provide an estimate of the average concentration over the duration of the HPV test for each analyte. The results of the WMSTM and Summa canister samples are presented in **Table 2**. As in the case of the sub-slab samples, the WMS samples are generally biased low by about a factor of five and up to an order of magnitude with respect to the Summa sample results. The Summa canister data are considered representative and sufficient for decision-making purposes.

5.4 Data Validation

The data set was validated by reviewing analyte lists, sample hold times, method blanks, surrogate recoveries, laboratory duplicate samples, and trip blanks to assure that the sample was analyzed within specified times, the laboratory instrument was operating within specification, and reporting was done according to project requirements.

To evaluate the accuracy of the analytical data, Geosyntec reviewed the percent (%) recovery of surrogates and laboratory control samples (LCSs). The acceptance range for surrogate recovery is 70-130%. The surrogate recoveries met the acceptance criteria. The acceptance range for LCS and laboratory control sample duplicates (LCSD) recovery is also 70-130%. The LCS recoveries met the acceptance criteria, with the exception of chloromethane in the WMSTM laboratory report (Lab ID 1105031A). Chloromethane in both the LCS and LCSD exceeded the acceptance criteria; however, there was no impact on the data quality because recoveries were high and chloromethane was not detected in the samples. The recoveries were above the acceptable range for LCS and LCSD in the thermal desorption WMSTM laboratory report (Lab ID 1105031B) for 2-butanone, 4-methyl-2-pentanone, and 1,1,2,2-tetrachloroethane and above

the acceptable range in the LCSD for heptane. 2-Butanone and heptane were detected in all three samples and was J-qualified as estimated. 4-methyl-2-pentanone and 1,1,2,2-tetrachloroethane were not detected in the samples so there was no impact on the data quality.

To evaluate the representativeness of the analytical data, Geosyntec reviewed the results for method blanks and trip blanks and also confirmed that sample hold times were not exceeded. No VOCs were detected in the Summa canister and WMS[™] method blanks. Two WMS[™] trip blanks were analyzed by the laboratory to assess potential bias that may have occurred during sample shipment, storage, and handling. No VOCs were detected in the trip blanks; therefore, the representativeness of the data is considered acceptable.

6. LINES OF EVIDENCE

This section provides several lines of evidence for assessing potential vapor intrusion risks in the subsections below.

6.1 Comparison of Indoor Air Data to Target Concentrations

The indoor air concentrations of TCE measured with the WMS samplers provide a longer-term time-weighted average concentration (2 weeks instead of 24 hours). TCE concentrations reported by AECOM (2010) showed a diminishing presence of TCE in the indoor air over the course of their investigation. Ninety percent of the 122 indoor air samples collected during the February 2010 sampling event had measured TCE concentrations below $2 \mu\text{g}/\text{m}^3$, and only one sample location (SL055) had a TCE concentration greater than $5 \mu\text{g}/\text{m}^3$. Although the measured concentrations of TCE in indoor air were higher overall in the 2009 sampling events, especially the August 2009 event, the concentrations of TCE in outdoor air samples were also higher, with concentrations up to $4.57 \mu\text{g}/\text{m}^3$, which is unusually high for outdoor air, and may indicate a positive bias in the data (see below).

Sampling Event	Median TCE Subslab Concentration ($\mu\text{g}/\text{m}^3$)	Median TCE Indoor Air Concentration ($\mu\text{g}/\text{m}^3$)	TCE Outdoor Air Concentration Range ($\mu\text{g}/\text{m}^3$)
August 2009	12.35	2.66	TCE detected 2 of 3 samples (ND – 4.57)
November 2009	22.6	1.07	TCE detected 6 of 6 samples (0.48 - 0.81)
February 2010	5.9	0.54	TCE detected 4 of 6 samples (ND – 0.7)

The apparent decrease in TCE concentrations in the indoor air over the course of the AECOM sampling program seems to mirror the decrease in outdoor concentrations of TCE. These results suggest that a substantial percentage of the observed concentration of TCE in the indoor air is more likely attributable to factors other than vapor intrusion. Thus, the reported indoor concentrations would over-estimate the potential impact of vapor intrusion on indoor air quality.

The New York State DOH guideline value for TCE in air is $5 \mu\text{g}/\text{m}^3$ and the Oak Ridge National Laboratory (ORNL) Regional Screening Level for a 1×10^{-6} incremental lifetime cancer risk is $6.1 \mu\text{g}/\text{m}^3$. The acceptable risk range of 1×10^{-6} to 1×10^{-4} corresponds to target concentrations of 6.1 to $610 \mu\text{g}/\text{m}^3$. Because the indoor air concentrations from the November 2009 and February 2010 sampling events are almost all lower than the state and regional target

levels (3 samples from November 2009 and one sample from February 2010 exceeded $5 \mu\text{g}/\text{m}^3$), the available indoor air quality data support the conclusion that overall, there is no unacceptable risk from vapor intrusion.

Although the patterns of elevated indoor air concentrations of TCE from the three sampling events do not clearly align with the patterns of elevated sub-slab concentrations of TCE, there are some locations where the elevated sub-slab and elevated indoor concentrations of TCE overlap (see the AECOM 2010 report). For example, the February 2010 sample location at which the indoor concentration of TCE exceeded $5 \mu\text{g}/\text{m}^3$ was SL-055 ($53 \mu\text{g}/\text{m}^3$). That location is in the general vicinity of SL-084, which has had high sub-slab TCE concentrations and also in the vicinity of a historic subslab air duct system. It is conceivable that vapor migration through the slab or through the duct system may be responsible for the elevated concentration of TCE in the indoor air at that location.

The indoor air concentrations of TCE measured with the WMS samplers are slightly lower than those observed during the February 2010 sampling event. The WMS samplers provide a longer-term time-weighted average concentration (2 weeks instead of 24 hours) than the Summa results, so they are more likely to reflect the long-term average concentration of TCE in the indoor air. It is noteworthy that TCE was not detected at any of these locations during the April 2011 event, despite the fact that these locations are the most likely to show effects of vapor intrusion based on the subslab distribution of TCE. A comparison of the April 2011 WMS and February 2011 SUMMA results is provided below.

Sample Location	TCE Indoor Air Concentration (μg/m ³) February 2010 Summa by AECOM	TCE Indoor Air Concentration (μg/m ³) April 2011 WMS by Geosyntec
SL-022	0.48	ND @ 0.77
SL-084	1.56	ND @ 0.77
SL-118	0.81	ND @ 0.76

6.2 Comparison of Sub-Slab Data to Target Concentrations

The concentrations of VOCs measured in sub-slab and soil vapor samples were compared to the appropriate “Matrix 1 and Matrix 2” decision matrices in the “Guidance for Evaluating Soil Vapor Intrusion in the State of New York” (October 2006). For compounds not specifically listed in Matrix 1 or 2, soil vapor screening levels were calculated the Oak Ridge National Laboratory (ORNL) industrial indoor air risk based screening levels (ORNL, 2010)

corresponding to a 1×10^{-6} incremental lifetime cancer risk and an attenuation factor of 1/100, which is near the conservative end of the spectrum of empirical attenuation factors in the database compiled by the USEPA (USEPA, 2010), and is therefore considered protective for this building. This attenuation factor is also consistent with the attenuation factor estimated from the qualified radon data, described below.

Maximum observed concentrations of TCE exceed the soil vapor screening level of $250 \mu\text{g}/\text{m}^3$ by about 1 order of magnitude (factor of 10) in the areas of SL-118 and SL-022 and about 3 orders of magnitude (factor of 1,000) in the area of SL-084. PCE exceed the adjusted ORNL screening level by 1 order of magnitude in the area of SL-084, which makes TCE and PCE the primary compounds of concern. TCE is considered the primary risk driver at this site because PCE and 111TCA are generally present at much lower concentrations relative to their screening levels in the sub-slab. Risk management decisions that are based on the potential for vapor-intrusion-related exposures to TCE will be conservative for similar exposures to the other VOCs that have been identified in the sub-slab soil vapor.

Sub-slab radon concentrations measured at location SL-118 during the HPV testing ranged from 47 to 190 pCi/L and the indoor air concentration was about 1 pCi/L, although the sub-slab readings may be biased by instrument drift or slow acclimation and the indoor air concentration may not be significantly different than outdoor air concentrations. Nevertheless, a sub-slab to indoor air attenuation factor could be approximated to be in the range of 0.02 to 0.005 (or less if the indoor air radon is attributable mostly to outdoor air, or if the observed sub-slab concentrations were biased low), which is near the upper end of the range of empirical attenuation factors in the USEPA empirical database (USEPA, 2010). This is generally consistent with the 1/100 attenuation factor used to derive conservative soil vapor screening levels.

The locations chosen for HPV and Transient Response testing were selected specifically because they represent the areas with the highest sub-slab concentrations of TCE. Overall, there are much lower concentrations of TCE elsewhere beneath the building slab than there is in the immediate vicinity of the three locations discussed in this report. **Figure 7** shows the interpolated TCE distribution according to the interpolation algorithm described in Section 4.6. The areas where sub-slab concentrations of TCE exceed the New York State “Soil Vapor/Indoor Air Matrix 1” criteria of $250 \mu\text{g}/\text{m}^3$ for which mitigation is recommended based on the potential for vapor-intrusion-related exposures (i.e., regardless of current indoor TCE concentrations) represent a small percentage of the total sub-slab surface area beneath AFP Building 59. Out of the 120 sub-slab samples, nearly half of the samples (54) had TCE concentrations less than $5 \mu\text{g}/\text{m}^3$; only 21 samples had TCE concentrations above $100 \mu\text{g}/\text{m}^3$; and only 4 samples had TCE concentrations above $1000 \mu\text{g}/\text{m}^3$. Thus, the overall distribution of TCE beneath the slab suggests that the potential for vapor intrusion related exposures is negligible in most areas and only a few very localized areas (i.e. those that were the focus of the current study) may have a potential vapor intrusion risk.

6.3 Mass Flux Estimates and Dilution in Building Ventilation

The potential risk from vapor intrusion can also be calculated from the available data and a few simple equations. The Johnson and Ettinger (1991) model is the most common equation used for this purpose; however, this is a one-dimensional model, which assumes that the concentrations beneath the building are essentially uniform, which is not the case at Plant 59. Therefore, a different mathematical approach is required.

The potential concentration of TCE in indoor air due to vapor intrusion for AFP Plant 59 can be estimated using the leakance values calculated from the Hantush Jacob analysis of the transient vacuum response test data. The Hantush Jacob model assumes that all of the leakage occurs from above, which will tend to overestimate the actual leakage across the slab, which is conservative (protective) for risk assessment purposes. Given that the concentrations measured during the HPV tests did not diminish by much, it is reasonable to assume that the leakage was not primarily attributable to indoor air flowing down across the slab. Therefore, these calculations are likely to overestimate indoor air concentrations by an order of magnitude or more.

The volumetric flow rate of soil gas per unit area across the slab (Q_{soil}) can be estimated by using the following equation:

$$Q_{\text{soil}} = K_v i A$$

where:

Q_{soil} = flow rate of soil gas into the building (cubic feet per day [ft^3/day])

K_v = vertical gas conductivity of floor slab, where $K_v = Tb'/B^2$

T = gas transmissivity of permeable layer below the floor slab (square feet per day [ft^2/day])

b' = floor slab thickness (feet [ft])

B = Leakance factor (ft)

i = vertical gas pressure gradient (ft of air head per foot of floor slab thickness)

A = cross sectional area perpendicular to flow (square feet [ft^2])

A few pascals of pressure differential can be observed in most buildings simply due to wind gusts buffeting against the side of a building. Therefore, the pressure gradient across the slab would be about 0.9 ft/ft, assuming a pressure differential of 3 pascals (0.7 ft of air head) and a slab thickness of 0.75 ft. At location SL-022, the calculated B values were 2.7 and 2.8 from the transient response test data at radial distances of 7 and 15 ft, respectively, and the calculated transmissivity values (27.5 and 32.3 ft^2/day) are also very similar, which shows that the analysis provides comparable results with tests at different radial distances from the point of extraction. The corresponding K_v values would be 2.8 and 3.1 feet per day (ft/day), respectively, which are

also very similar. The K_v value from the transient data collected at SL-084 would be 22.7 ft/day by the same method, which is about an order of magnitude higher. Assuming a unit area ($A = 1 \text{ ft}^2$), the Q_{soil} value per unit area would be about 3 to 23 $\text{ft}^3/\text{day}/\text{ft}^2$. As discussed in Section 5.3.4, the leakance probably overestimates flow of indoor air to the subsurface by at least an order of magnitude. Therefore, the unit Q_{soil} values are more likely in the range of 0.3 to 2.3 $\text{ft}^3/\text{day}/\text{ft}^2$, or less.

Contaminant mass flux of TCE across the slab per day (J_{TCE}) can be estimated by multiplying Q_{soil} by the sub-slab TCE concentration and a unit conversion factor (CF).

$$J_{\text{TCE}} = Q_{\text{soil}} C_{\text{TCE}} \text{CF}$$

where:

J_{TCE} = TCE Mass Flux ($\text{ug}/\text{ft}^2/\text{day}$)

C_{TCE} = TCE Sub-Slab Concentration (ug/m^3)

CF = conversion factor = 0.0283 (m^3/ft^3)

If the concentration was uniform everywhere below the building, then a single concentration value could be used and the Q_{soil} value per unit area could be multiplied by the entire building footprint. For non-uniform concentrations, there are two approaches: 1) use an “average” sub-slab concentration and the total building area, or 2) subdivide the building into sections with similar sub-slab concentrations, and assess one section at a time. Statistical summaries of the sub-slab concentration data from the February 2010 sampling event are included in Table 7. The geometric mean TCE concentration of the sub-slab samples collected in February 2010 (AECOM, 2010) was $10.13 \text{ } \mu\text{g}/\text{m}^3$ (**Table 7**) and the total building footprint is about 750,000 ft^2 , therefore the overall average TCE flux into the building would be on the order of 0.06 to 0.5 grams per day.

The indoor air concentration due to vapor intrusion (C_{VI}) can be estimated by dividing the TCE mass flux (J_{TCE}) by the air exchange rate in the building.

$$C_{\text{VI}} = J_{\text{TCE}} / Q_{\text{Building}}$$

where:

Q_{Building} = volumetric flow rate of air through the building (ft^3/day)

Assuming the building is about 15 feet tall and an air exchange rate of 1 per hour (which is typical for commercial/industrial buildings), the Q_{building} value would be about 270,000,000 ft^3/day . For a flux of 0.06 to 0.5 grams of TCE per day, the associated average concentrations in indoor air would be on the order of 0.008 to 0.07 $\mu\text{g}/\text{m}^3$. This is a factor of 71 to 625 times

lower than the New York State guideline value of $5 \mu\text{g}/\text{m}^3$ for TCE in air, and would therefore pose no unacceptable risk. If the air above the drop-ceiling also contributes to dilution, then the calculated indoor air concentrations would be even lower, by about another factor of 2.

If the same calculations were performed on sub-sections of the building, it would be conservative to consider the area of highest sub-slab concentrations as an end-member for the analysis. SL-084 had the highest sub-slab concentrations (up to about $100,000 \mu\text{g}/\text{m}^3$). The area surrounding SL-084 with interpolated concentrations above the $250 \mu\text{g}/\text{m}^3$ level suggested by New York State for pre-emptive mitigation is about $3,000 \text{ ft}^2$. Within this area a geometric mean sub-slab concentration of TCE might be about $1,000 \mu\text{g}/\text{m}^3$. Even if the indoor air circulation within this area does not mix with surrounding areas (a conservative assumption that would tend to overestimate indoor concentrations), then the indoor air concentration in this area would barely reach the New York State guideline value of $5 \mu\text{g}/\text{m}^3$ and ORNL commercial/industrial screening level of $6.1 \mu\text{g}/\text{m}^3$ corresponding with the most protective end of the acceptable risk range ($1\text{E-}6$ incremental lifetime cancer incidence). Thus, the mass flux analysis indicates that vapor intrusion poses a very low risk, even in the areas with the highest potential for vapor-intrusion-related exposures..

7. RISK ASSESSMENT AND RISK MANAGEMENT

The lines of evidence (sub-slab concentrations, indoor air concentrations and mass flux calculations) collectively indicate there is very low risk from subsurface vapor intrusion. Furthermore, as illustrated in Figure 8 below, the median concentration of TCE in indoor air samples collected in 2009-2010 (AECOM) has decreased substantially over that time period and the maximum value stayed within the lower half of the acceptable risk range (1E-4 to 1E-6 incremental lifetime cancer incidence), based on the screening levels of the US EPA Mid-Atlantic Risk Assessment Regional Screening Tables for industrial settings, which are posted at: (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm).

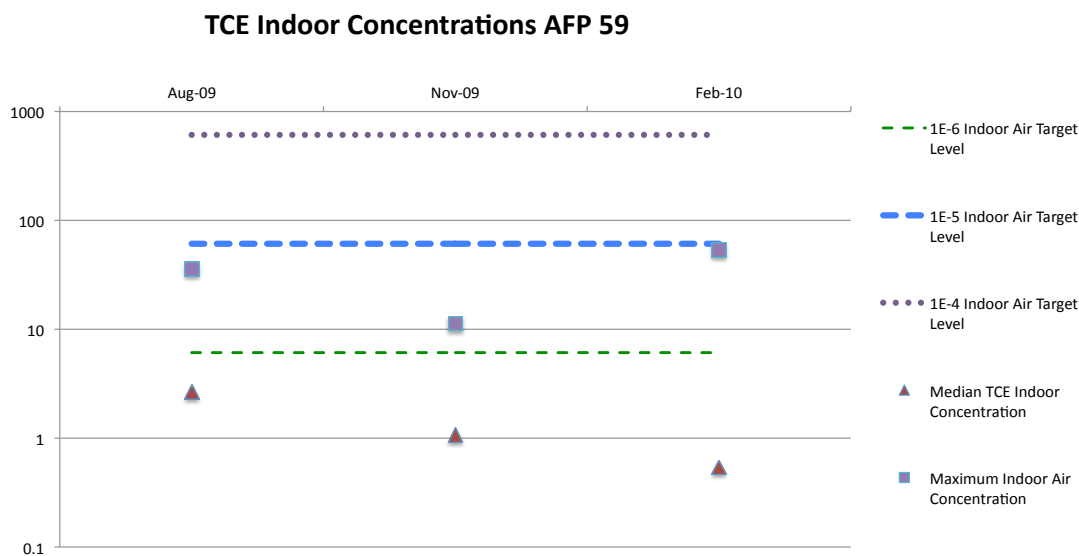


Figure 8: Median and maximum indoor air TCE concentrations, showing that the median is below the acceptable risk range and the maximum barely reaches the middle of the acceptable risk range

When considering actions to address potential vapor intrusion related exposures at AFP Building 59, it is important to consider:

- The nature of the contaminant sources;
- The likelihood that the contaminant source concentrations will increase in the future;
- The current uses of the building and the overall building conditions (maintenance, structural integrity, HVAC operation); and,
- Future use of the building and property.

The available data provide good spatial coverage representative of conditions beneath the building and additional targeted assessment has been performed in the areas of elevated concentrations; therefore, it is likely that all areas of significant subsurface VOC concentrations

have been identified. Remedial actions have been implemented to excavate and remove TCE contaminated soil from beneath the building; therefore, the sub-slab vapor concentrations are unlikely to increase in the future, and should diminish over time. If the building use remains commercial/industrial, then the exposure scenario (40 hours per week for 50 weeks per year for 25 years) is unlikely to change. If a change in land use to residential or sensitive receptors was planned, additional assessment would be appropriate.

8. CONCLUSIONS AND RECOMMENDATIONS

From the assessment activities conducted in this study and our review of historic data, Geosyntec concludes:

- TCE is the main compound of interest for vapor intrusion, and all other VOCs are less likely to pose a potential risk;
- The current concentrations of TCE in the sub-slab soil vapor in the vicinity of SL-118, SL-022 and SL-084 are comparable to values previously measured.
- The WMST[™] samplers collected for two weeks with low-uptake, solvent extraction samplers, and in the HPV test apparatus with regular uptake rates and both thermal and solvent extraction all compared very well with one another. The passive samplers showed a negative bias compared to the Summa canisters by about a factor of five and up to about one order of magnitude.
- TCE concentrations in the indoor air samples at all three sampling locations were $< 0.77 \mu\text{g}/\text{m}^3$, which is below the NYSDOH guideline value of $5 \mu\text{g}/\text{m}^3$ by at least a factor of five. There is no reason to suspect that the indoor air WMS samples had a negative bias like the sub-slab and HPV samples, but even if the passive sampler data shows a negative bias by a factor of about five or up to about one order of magnitude, these data still indicate the indoor air concentrations were low relative to target levels ($5 \mu\text{g}/\text{m}^3$ for NYSDOH and $6.1 \mu\text{g}/\text{m}^3$ for USEPA).
- Mass flux calculations supported by information about the floor slab gas permeability derived from the HPV tests indicate the average indoor air concentrations for TCE attributable to vapor intrusion would be lower than acceptable levels by a large margin (10 to 500). This is consistent with available indoor air data, which shows that in the most recent comprehensive sampling event (AECOM February 2010), the only location with TCE in indoor air at or above the guideline value is in the vicinity of sub-slab location SL-084, which had the highest TCE sub-slab concentration by at least an order of magnitude.
- The sub-slab data, indoor air data and mass flux calculations all support the conclusion of a very low risk (typically $< 10^{-6}$, worst case $< 10^{-5}$ excess lifetime cancer risk) due to vapor intrusion when compared against the USEPA Commercial/Industrial Regional Screening Levels.

Furthermore we recommend:

- Institutional controls such as deed restrictions and easements that constrain residential development of the property and changes to the structure below the surface of the current floor or changes to the ventilation, either of which might increase the potential for vapor intrusion should be considered.

9. REFERENCES

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TABLE 1
SOIL VAPOR PURGING AND FIELD SCREENING DATA
AF Plant 59, Johnson City, New York

Probe ID	Date	Elapsed Time (min)	Sample Flow Rate (L/min)*	Cumulative Volume Purged (L)	Helium Tracer Gas			VOC (ppm _v)	Radon (pCi/L)
					Shroud (%)		Sample (%)		
					Minimum	Maximum			
SL-022	14-Apr-11	3.0	0.2	0.6	13.2	26.5	0.00	2.8	241.7
		5.0	0.2	1.6	9.0	14.3	0.00	2.4	
		5.0	0.2	2.6	10.1	12.5	0.00	2.4	
SL-084	14-Apr-11	5.0	0.2	1.0	13.0	18.0	0.00	33.6	107.0
		5.0	0.2	2.0	11.1	14.4	0.00	43.8	
		5.0	0.2	3.0	14.0	19.6	0.00	41.9	
SL-118	14-Apr-11	5.0	0.2	1.0	9.8	23.5	0.2	1.2	25.6
		5.0	0.2	2.0	NR	NR	NR	1.2	
		5.0	0.2	3.0	NR	NR	NR	1.2	

Notes:

Radon samples collected in active mode

% - percent

* - flow controller calibrated to 0.2 L/min by lab

L - liters

L/min - liters per minute

min - minutes

NR - not recorded; helium meter malfunctioning

ppm_v - parts per million by volume

VOC - volatile organic compounds

pCi/L - picocuries per liter

TABLE 2
SOIL VAPOR, HPV, AND INDOOR AIR ANALYTICAL RESULTS
AF Plant 59, Johnson City, New York

Sample Location Sample Type Sample ID, Laboratory Sample ID, Sample Start Date Sample End Date Date Analyzed	New York State DoH Upper End of Range of Sub-slab Concentrations (ug/m3) ²	Mid-Atlantic Industrial Standards ¹		022										084									
				WMS Sub-Slab	Summa Sub-Slab	Summa HPV			WMS HPV		Indoor Air	WMS Sub-Slab	Summa Sub-Slab	Summa HPV			WMS HPV		Indoor Air	WMS Sub-Slab			
		Indoor Air Standards (µg/m ³)	Standards Adjusted by Attenuation Factor of 100 for Soil Gas (µg/m ³)	PSS-SL022	SL 022	SL-022-5	SL-022-20	SL-022-END	HPV-022-1	HPV-022-2	IA-SL022	PSS-SL084	SL 084	SL-084-5	SL-084-20	SL-084-END	HPV-084-1	HPV-084-2	IA-SL084	PSS-SL118			
		1105031A-10A 14-Apr-11 22:34 28-Apr-11 13:07 19-May-11	200-4737-2 14-Apr-11 21:00 DEC 23-Apr-11	200-5005-7 29-Apr-11 15:06 29-Apr-11 15:06 6-May-11	200-5005-8 29-Apr-11 15:21 29-Apr-11 15:21 6-May-11	200-5005-9 29-Apr-11 16:43 29-Apr-11 16:43 6-May-11	1105031A-11A 29-Apr-11 14:59 29-Apr-11 16:43 19-May-11	1105031B-12A 29-Apr-11 14:59 29-Apr-11 16:43 31-May-11	1105031A-03A 14-Apr-11 21:20 28-Apr-11 16:19 19-May-11	1105031A-07A 14-Apr-11 23:25 29-Apr-11 9:43 19-May-11	200-4737-3 14-Apr-11 22:47 14-Apr-11 22:52 23-Apr-11	200-5005-4 29-Apr-11 11:21 29-Apr-11 11:21 6-May-11	200-5005-5 29-Apr-11 11:34 29-Apr-11 11:34 6-May-11	200-5005-6 29-Apr-11 12:38 29-Apr-11 12:38 6-May-11	1105031A-08A 29-Apr-11 11:16 29-Apr-11 12:39 19-May-11	1105031B-09A 29-Apr-11 11:16 29-Apr-11 11:48 31-May-11	1105031A-04A 14-Apr-11 22:40 28-Apr-11 16:25 19-May-11	1105031A-02A 15-Apr-11 9:17 28-Apr-11 16:12 19-May-11					
µg/m ³																							
Volatile Organic Compounds																							
1,1,1-Trichloroethane	1,000	22,000	2,200,000	65	470	240	270	270	380U	20U	2.0U	40	2100U	1,100	740U	440U	470U	66U	2.0U	2,010			
1,1,2,2-Tetrachloroethane	-	0.21	21	0.34U	68U	27U	34U	34U	68U	4.6U	--	0.34U	2700U	930U	550U	550U	85U	15U	--	0.37U			
1,1,2-Trichloroethane	-	0.77	77	0.72U	54U	22U	27U	27U	140U	16U	--	0.73U	2100U	740U	440U	440U	180U	52U	--	0.79U			
1,1-Dichloroethane	-	7.7	770	2.0U	40U	16U	20U	20U	400U	16U	--	39	1600U	550U	550U	330U	510U	52U	--	2.2U			
1,1-Dichloroethene	-	880	88,000	12U	39U	16U	20U	20U	2300U	23U	--	12U	1600U	540U	530U	320U	2900U	76U	--	13U			
1,2,4-Trichlorobenzene	-	8.8	880	--	180U	74U	93U	92U	--	--	--	--	7300U	2500U	2500U	1500U	--	--	--	--			
1,2,4-Trimethylbenzene	-	31	3,100	7.6	49U	20U	25U	24U	38U	17	--	2.6	1900U	670U	660U	400U	48U	48	--	2.7			
1,2-Dibromoethane	-	0.02	2	--	76U	31U	38U	38U	--	--	--	--	3000U	1000U	1000U	620U	--	--	--	--			
1,2-Dichlorobenzene	-	880	88,000	0.16U	60U	24U	30U	30U	33U	5.2U	--	0.16U	2400U	820U	810U	480U	41U	17U	--	0.18U			
1,2-Dichloroethane	-	0.47	47	0.92U	40U	16U	20U	20U	190U	7.4U	--	0.93U	1600U	550U	550U	330U	230U	24U	--	1.0U			
1,2-Dichloropropane	-	1.2	120	--	46U	18U	23U	23U	--	--	--	--	1800U	630U	620U	370U	--	--	--	--			
1,2-Dichlorotetrafluoroethane	-	-	-	--	69U	28U	35U	35U	--	--	--	--	2700U	950U	940U	560U	--	--	--	--			
1,3,5-Trimethylbenzene	-	-	-	4.4	49U	20U	25U	24U	44U	6.5	--	1.5	1900U	670U	660U	400U	55U	16	--	1.2			
1,3-Butadiene	-	0.41	41	--	22U	8.8U	11U	11U	--	--	--	--	870U	300U	300U	180U	--	--	--	--			
1,3-Dichlorobenzene	-	-	-	0.19U	60U	24U	30U	30U	38U	4.5U	--	0.19U	2400U	820U	810U	480U	47U	15U	--	0.20U			
1,4-Dichlorobenzene	-	1.1	110	0.18U	60U	24U	30U	30U	37U	4.4U	--	0.18U	2400U	820U	810U	480U	46U	14U	--	0.20U			
1,4-Dioxane	-	1.6	160	--	900U	360U	450U	450U	--	--	--	--	35000U	12000U	12000U	7300U	--	--	--	--			
2,2,4-Trimethylpentane	-	-	-	--	46U	19U	23U	23U	--	--	--	--	1800U	630U	630U	380U	--	--	--	--			
2-Chlorotoluene	-	-	-	--	51U	21U	26U	26U	--	--	--	--	2000U	700U	700U	420U	--	--	--	--			
3-Chloropropene	-	-	-	--	78U	31U	39U	39U	--	--	--	--	3100U	1100U	1100U	630U	--	--	--	--			
4-Ethyltoluene	-	-	-	--	49U	20U	25U	24U	--	--	--	--	1900U	670U	660U	400U	--	--	--	--			
4-Isopropyltoluene	-	-	-	--	55U	22U	27U	27U	--	--	--	--	2200U	740U	740U	440U	--	--	--	--			
Acetone	-	14,000	1,400,000	14U	590U	240U	300U	300U	2900U	2,600J	--	14U	23000U	8100U	8000U	4800U	3600U	17,000J	--	16U			
Benzene	-	1.6	160	2.2U	32U	13U	16U	16U	450U	72U	--	11	1300U	430U	430U	260U	560U	230U	--	2.4U			
Benzyl chloride	-	0.25	25	--	51U	21U	26U	26U	--	--	--	--	2000U	700U	700U	420U	--	--	--	--			
Bromodichloromethane	-	180	18,000	--	67U	27U	34U	33U	--	--	--	--	2600U	910U	900U	540U	--	--	--	--			
Bromoethene(Vinyl Bromide)	-	0.38	38	--	43U	17U	22U	22U	--	--	--	--	1700U	590U	590U	350U	--	--	--	--			
Bromoform	-	11	1,100	--	100U	41U	52U	51U	--	--	--	--	4100U	1400U	1400U	830U	--	--	--	--			
Bromomethane	-	22	2,200	--	39U	15U	19U	19U	--	--	--	--	1500U	530U	520U	310U	--	--	--	--			
Carbon disulfide	-	3,100	310,000	--	77U	31U	39U	39U	--	--	--	--	3100U	1100U	1000U	630U	--	--	--	--			
Carbon tetrachloride	250	2.0	200	1.6U	63U	25U	31U	31U	320U	20U	1.7U	1.6U	2500U	850U	850U	510U	400U	64U	1.7U	13			
Chlorobenzene	-	220	22,000	0.45U	46U	18U	23U	23U	90U	4.1U	--	0.45U	1800U	620U	620U	370U	110U	13U	--	0.49U			
Chloroethane	-	-	-	--	66U	26U	33U	33U	--	--	--	--	2600U	890U	890U	530U	--	--	--	--			
Chloroform	-	0.53	53	5	49U	19U	24U	24U	250U	12U	--	24	1900U	660U	660U	390U	310U	38U	--	9.9			
Chloromethane	-	390	39,000	21U	51U	21U	26U	26U	4200U	--	--	21U	2000U	700U	700U	420U	5200U	--	--	23U			
cis-1,2-Dichloroethene	-	-	-	1.2U	39U	16U	20U	20U	250U	10U	1.3U	1,152	4500	3,100	2,800	1,500	570	400	1.3U	1.4U			
cis-1,3-Dichloropropene	-	3.1	310	--	45U	18U	23U	23U	--	--	--	--	1800U	620U	610U	370U	--	--	--	--			
Cumene	-	1,800	180,000	--	49U	20U	25U	24U	--	--	--	--	1900U	670U	660U	400U	--	--	--	--			
Cyclohexane	-	26,000	2,600,000	3.6	34U	14U	17U	17U	230U	38	--	4.8	1300U	470U	460U	280U	290U	78	--	20			
Dibromochloromethane	-	0.45	45	--	85U	34U	43U	42U	--	--	--	--	3300U	1200U	1100U	690U	--	--	--	--			
Dichlorodifluoromethane	-	440	44,000	--	120U	49U	62U	62U	--	--	--	--	4800U	1700U	1700U	1000U	--	--	--	--			
Ethylbenzene	-	4.9	490	2.7	43U	17U	22U	22U	72U	22	--	3.2	1700U	590U	590U	350U	91U	51	--	1.9			
Freon 22	-	-	-	--	88U	35U	44U	44U	--	--	--	--	3500U	1200U	1200U	710U	--	--	--	--			
Freon TF	-	-	-	--	270	150	160	130	--	--	--	--	3000U	1000U	1000U	620U	--	--	--	--			
Hexachlorobutadiene	-	56	5,600	--	110U	42U	53U	53U	--	--	--	--	4200U	1400U	1400U	860U	--	--	--	--			
Isopropyl Alcohol	-	-	-	--	610U	240U	310U	310U	--	--	--	--	24000U	8300U	8300U	5000U	--	--	--	--			
m,p-Xylene	-	-	-	--	110U	43U	54U	54U	--	--													

TABLE 2
SOIL VAPOR, HPV, AND INDOOR AIR ANALYTICAL RESULTS
AF Plant 59, Johnson City, New York

Sample Location Sample Type Sample I.D. Laboratory Sample I.D. Sample Start Date Sample End Date Date Analyzed	118						
	Summa Sub-Slab	Summa HPV			WMS HPV		Indoor Air
	SL-118	SL-118-5	SL-118-20	SL-118-END	HPV-118-1	HPV-118-2	IA-SL118
	200-4737-1 14-Apr-11 19:40 14-Apr-11 19:45 22-Apr-11	200-5005-1 28-Apr-11 18:59 28-Apr-11 18:59 5-May-11	200-5005-2 28-Apr-11 19:13 28-Apr-11 19:13 5-May-11	200-5005-3 28-Apr-11 20:50 28-Apr-11 20:50 6-May-11	1105031A-05A 28-Apr-11 16:49 28-Apr-11 21:20 19-May-11	1105031B-06A 28-Apr-11 16:49 28-Apr-11 21:20 31-May-11	1105031A-01A 14-Apr-11 19:55 28-Apr-11 16:03 19-May-11
µg/m ³ <i>Volatile Organic Compounds</i>							
1,1,1-Trichloroethane	1,700	3,300	3,000	2,200	550	400	2U
1,1,2,2-Tetrachloroethane	25U	34U	34U	28U	26U	1.8U	--
1,1,2-Trichloroethane	20U	27U	27U	22U	56U	6.1U	--
1,1-Dichloroethane	15U	20U	20U	16U	160U	6.2U	--
1,1-Dichloroethene	14U	20U	20U	16U	900U	9.0U	--
1,2,4-Trichlorobenzene	68U	93U	92U	75U	--	--	--
1,2,4-Trimethylbenzene	18U	25U	24U	20U	15U	4.2	--
1,2-Dibromoethane	28U	39U	38U	31U	--	--	--
1,2-Dichlorobenzene	22U	30U	30U	24U	12U	2.0U	--
1,2-Dichloroethane	15U	20U	20U	16U	72U	2.9U	--
1,2-Dichloropropane	17U	23U	23U	19U	--	--	--
1,2-Dichlorotetrafluoroethane	25U	35U	35U	28U	--	--	--
1,3,5-Trimethylbenzene	18U	25U	24U	20U	17U	1.7U	--
1,3-Butadiene	8.1U	11U	11U	8.9U	--	--	--
1,3-Dichlorobenzene	22U	30U	30U	24U	14U	1.7U	--
1,4-Dichlorobenzene	22U	30U	30U	24U	14U	1.7U	--
1,4-Dioxane	330U	450U	450U	360U	--	--	--
2,2,4-Trimethylpentane	17U	23U	23U	19U	--	--	--
2-Chlorotoluene	19U	26U	26U	21U	--	--	--
3-Chloropropene	28U	39U	39U	31U	--	--	--
4-Ethyltoluene	18U	25U	24U	20U	--	--	--
4-Isopropyltoluene	20U	28U	27U	22U	--	--	--
Acetone	220U	300U	290U	240U	1,400	1,100J	--
Benzene	12U	16U	16U	13U	170U	27U	--
Benzyl chloride	19U	26U	26U	21U	--	--	--
Bromodichloromethane	24U	34U	33U	27U	--	--	--
Bromoethene (Vinyl Bromide)	16U	22U	22U	18U	--	--	--
Bromoform	38U	52U	51U	42U	--	--	--
Bromomethane	14U	19U	19U	16U	--	--	--
Carbon disulfide	28U	39U	38U	31U	--	--	--
Carbon tetrachloride	23U	32U	31U	25U	120U	7.6U	1.7U
Chlorobenzene	17U	23U	23U	18U	35U	1.6U	--
Chloroethane	24U	33U	33U	27U	--	--	--
Chloroform	18U	25U	24U	20U	95U	4.5U	--
Chloromethane	19U	26U	26U	21U	1600U	--	--
cis-1,2-Dichloroethene	14U	20U	20U	16U	96U	3.9U	1.3U
cis-1,3-Dichloropropene	17U	23U	22U	18U	--	--	--
Cumene	18U	25U	24U	20U	--	--	--
Cyclohexane	13U	17U	17U	14U	90U	9.0	--
Dibromochloromethane	31U	43U	42U	34U	--	--	--
Dichlorodifluoromethane	45U	62U	61U	50U	--	--	--
Ethylbenzene	16U	22U	21U	17U	28U	7.6	--
Freon 22	32U	44U	44U	36U	--	--	--
Freon TF	38	81	70	51	--	--	--
Hexachlorobutadiene	39U	54U	53U	43U	--	--	--
Isopropyl Alcohol	220U	310U	300U	250U	--	--	--
m,p-Xylene	40U	54U	54U	44U	--	--	--
Methyl Butyl Ketone (2-Hexanone)	37U	51U	51U	41U	--	--	--
Methyl Ethyl Ketone	27U	37U	36U	30U	150U	170J	--
Methyl Isobutyl Ketone	37U	51U	51U	41U	120U	24U	--
Methyl Methacrylate	37U	51U	51U	41U	--	--	--
Methyl tert-Butyl Ether	13U	18U	18U	14U	150U	5.4U	--
Methylene Chloride	32U	44U	43U	35U	--	--	--
Naphthalene	48U	66U	65U	53U	9.9C	6.5C	--
n-Butane	220	30U	29U	24U	--	--	--
n-Butylbenzene	20U	28U	27U	22U	--	--	--
n-Heptane	15U	21U	20U	16U	81U	62J	--
n-Hexane	13U	18U	17U	14U	740	1,300	--
n-Propylbenzene	18U	25U	24U	20U	19U	9.7U	--
sec-Butylbenzene	20U	28U	27U	22U	--	--	--
Styrene	16U	21U	21U	17U	26U	9.4	--
tert-Butyl alcohol	280U	380U	370U	300U	--	--	--
tert-Butylbenzene	20U	28U	27U	22U	--	--	--
Tetrachloroethene	25U	34U	34U	27U	34U	7.7	0.47U
Tetrahydrofuran	270U	370U	360U	300U	--	--	--
Toluene	14U	19U	19U	15U	54	160	--
trans-1,2-Dichloroethene	14U	20U	20U	16U	280U	5.6U	3.8U
trans-1,3-Dichloropropene	17U	23U	22U	18U	--	--	--
Trichloroethene	1,300	3,000	2,900	2,400	610	430	0.76U
Trichlorofluoromethane	20U	28U	28U	23U	--	--	--
Vinyl chloride	9.3U	13U	13U	10U	1500U	--	21U
Xylene, m&p	--	--	--	--	29U	13	--
Xylene, o-	16U	22U	21U	17U	26U	12U	--
1,2-Dichloroethene, Total	14U	20U	20U	16U	--	--	--
Xylene (total)	16U	22U	21U	17U	--	--	--

Notes:
¹ EPA Mid Atlantic Risk Assessment Screening Levels for Industrial Indoor Air developed by Oak Ridge national Laboratory (ORNL)
- EPA ORNL screening level does not exist
² New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation Guidance for Evaluating Soil Vapor Intrusion in the State of New York Soil Vapor/Indoor Air Matrix 1&2
-- not analyzed
Bold - detected concentration
Bold - detected concentration above screening level
µg/m³ - micrograms per cubic meter
C - estimated concentration due to calculated sampling rate
E - exceeds instrument calibration range
HPV - high purge volume
U - Analyte not detected; associated value is reporting limit
WMS - Waterloo Membrane Sampler

TABLE 3
FIELD SCREENING READINGS ON SAMPLES OF EXTRACTED VAPOR
AP Plant 59, Johnson City, New York

Geosyntec Consultants

Location	Elapsed Time (min)	Cumulative Volume Removed (L)	VOCs by PID (ppm _v)	Radon (pCi/L)
HPV-118 Average Extraction Velocity: 1,330 ft/min Average Extraction Vacuum: 47.6 in H ₂ O Average Extraction Flow Rate: 27 scfm Specific Capacity: 0.6 scfm/in H ₂ O	12.83	9,800	1.45	48.6
	20.00	15,300	1.42	-
	28.25	21,600	1.43	47.0
	36.27	27,800	1.42	67.0
	42.87	32,900	-	82.9
	47.47	36,400	1.39	99.0
	53.22	40,800	-	190.0
	59.00	45,200	1.42	-
	69.50	53,300	1.45	-
	73.00	55,900	1.37	-
	75.65	58,000	1.40	-
	79.45	60,900	1.35	-
	84.48	64,700	1.37	-
	91.18	69,900	1.30	-
	93.80	71,900	-	74.0
	101.52	77,800	1.39	-
	114.77	88,000	1.43	-
	120.00	92,000	-	-
HPV-084 Average Extraction Velocity: 950 ft/min Average Extraction Vacuum: 38.4 in H ₂ O Average Extraction Flow Rate: 22 scfm Specific Capacity: 0.5 scfm/in H ₂ O	2.00	1,100	31.6	-
	4.92	2,800	39.1	-
	7.70	4,300	20.5	-
	9.67	5,400	35.5	-
	16.62	9,300	43.0	-
	21.07	11,800	44.0	-
	22.93	12,900	42.5	-
	40.43	22,700	36.1	-
	66.77	37,500	36.8	-
	70.90	39,800	-	-
HPV-022 Average Extraction Velocity: 1,334 ft/min Average Extraction Vacuum: 40.8 in H ₂ O Average Extraction Flow Rate: 31 scfm Specific Capacity: 0.8 scfm/in H ₂ O	1.00	900	1.71	-
	7.60	6,700	1.70	-
	11.25	9,900	1.63	-
	13.50	11,900	1.62	-
	15.00	13,200	1.64	-
	18.50	16,300	1.72	-
	77.55	68,300	1.70	-
	78.10	68,800	-	-

Notes:

- measurement not collected
min - minutes
L - liters
pCi/L - picocuries per liter
PID - photoionization detector
ppm_v - parts per million by volume
in H₂O - inches of water
scfm - standard cubic feet per minute
ft/min - feet per minute
VOCs - volatile organic compounds

TABLE 4
VACUUM AND FIELD SCREENING READINGS AT COMMUNICATION TEST POINTS
AP Plant 59, Johnson City, New York

Location	Probe Depth (ft bgs)	Date	Time	Distance from Point of Extraction (ft)	Vacuum (in H ₂ O)	VOCs by PID (ppm _v)
HPV-022 Average Extraction Vacuum: 40.8 in H ₂ O						
SL-022	0.75	29-Apr-2011	14:24	1.08	-6.846	2.10
TP-022-7	0.75	29-Apr-2011	15:37	7.67	-0.200	0.35
		29-Apr-2011	16:06	7.67	-0.200	4.34
		29-Apr-2011	16:08	7.67	-0.200	3.34
		29-Apr-2011	16:10	7.67	-0.200	3.34
SL-022-15	0.75	29-Apr-2011	16:19	15	-0.008	-
HPV-084 Average Extraction Vacuum: 38.4 in H ₂ O						
SL-084	0.75	29-Apr-2011	13:38	0.83	-1.130	-
SL-084D	8	29-Apr-2011	12:03	3.92	-0.013	1.61
		29-Apr-2011	12:31	3.92	-0.013	0.43
SL-084S	4	29-Apr-2011	11:12	3.92	-0.036	-
HPV-118 Average Extraction Vacuum: 47.6 in H ₂ O*						
SL-118	0.75	28-Apr-2011	19:56	0.5	0.000	-
TP-118-5	0.75	28-Apr-2011	18:59	5	0.000	-
TP-118-7	0.75	28-Apr-2011	19:56	7.17	0.000	-

Notes:

- measurement not collected

* - the lack of any vacuum response in the probes around SL-118 is unexpected and not consistent with the conceptual model for the Hantush Jacob analysis

ft - feet

ft bgs- feet below ground surface

in H₂O - inches of water

PID - photoionization detector

ppm_v - parts per million by volume

VOCs - volatile organic compounds

TABLE 5
SUMMARY OF TRANSIENT RESPONSE ANALYSIS
AF Plant 59, Johnson City, New York

Test Location	Monitored CTP	Distance Between CTP and HPV (ft)	HPV Test Duration (min)	HPV Flow Rate (scfm)	Calculated Leakance (B) Value (ft)	Radius of Gas Extracted During Test (ft)	Theoretical Test Extraction Radius ¹ (ft)	% of Non- Leaky Model	% Leakage Modeled	% of Sub- Slab Soil Vapor Collected in the Sample
HPV-022	TP-022-7	7.67	78	31.1	2.7	16	77	20.8	79.2	34
HPV-022	TP-022-15	15	78	31.1	2.8	17.5	85	20.6	79.4	32
HPV-084	SL-084	0.83	71	22.0	1.3	9	65	13.8	86.2	30

Notes:

¹ - Refer to Appendic C for detailed analyses; value obtained from the confined (non-leaky) model

CTP - communication test point

HPV - high purge volume

ft - feet

min - minutes

scfm - standard cubic feet per minute

% - percent

TABLE 6
RADON FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS
AF Plant 59, Johnson City, New York

Sample Location Sample I.D.	EPA Threshold Concentration for Continuous Residential Radon Exposure	022		084		118	
		AFP 59, Room SL-022		AFP 59, Room SL-084		AFP 59, Room SL-118	
			Femto-tech Radon Meter Active Mode		Femto-tech Radon Meter Active Mode		Femto-tech Radon Meter Active Mode
Electret Number		SFR984	Field Reading	SFS103	Field Reading	SFS141	Field Reading
Start Date		14-Apr-11	14-Apr-11	14-Apr-11	14-Apr-11	14-Apr-11	14-Apr-11
End Date		28-Apr-11	14-Apr-11	28-Apr-11	14-Apr-11	28-Apr-11	14-Apr-11
<i>Analyte (pCi/L)</i>							
Radon	4.0	1.1	0.0-0.8	1.2	0.3 - 3.1	1.4	0

Notes:

pCi/L - picocuries per liter

DRAFT

TABLE 7
FEBRUARY 2010 TCE CONCENTRATIONS AND STATISTICS
AF Plant 59, Johnson City, New York

Subslab Location	TCE Concentration ($\mu\text{g}/\text{m}^3$)			
	Sub-slab			Indoor Air
	8/09	11/09	2/10	2/10
SL001	10.74	0	1.1	0.4
SL002	1.24	0.81	1.1	0.0
SL003	220.23	230.98	1.5	0.7
SL004	177.26	59.09	44.6	0.4
SL005	42.97	22.56	118.0	1.0
SL006	107.43	64.46	19.3	1.0
SL007	2.52		0.5	0.3
SL008	24.71	48.88	15.0	0.9
SL009	1334.29	38.14	10.7	2.9
SL010	322.29	21.49	1.7	1.0
SL011	150.4	69.83	33.3	1.7
SL012	2.79		5.9	0.4
SL013	59.09	3.12	1.2	0.3
SL014	10.74	1.88	3.1	0.7
SL015	19.34		10.2	0.8
SL016	91.32		41.4	0.0
SL017	15.04	10.74	4.6	1.2
SL018	1.24		0.3	0.2
SL019	69.83	29.01	6.5	0.4
SL020	96.69	75.2	214.9	0.0
SL021	24.17	27.93	19.3	0.4
SL022	9.67	644.58	1504.0	0.5
SL023	177.26	10.21	139.7	0.8
SL024	46.2	10.74	8.6	0.9
SL025	15.58	1.5	7.0	0.9
SL026	24.71	13.97	4.8	1.1
SL027	80.57	35.45	3.2	0.6
SL028	6.98	139.66	20.4	0.0
SL029	91.32	22.56	3.2	0.5
SL030	161.15		38.7	0.0
SL031	290.06	198.75	69.8	1.3
SL032	2.95		1.8	0.5
SL033	48.34	32.77	8.6	0.4
SL034	1.77		1.5	0.4
SL035	193.37	9.67	166.5	1.5
SL036	21.49		10.2	2.6
SL037	75.2	30.62	39.8	0.0
SL038	11.28	1.07	5.9	0.3
SL039	64.46	26.86	43.0	0.5
SL040	3.01		1.7	0.6
SL041	17.19	18.8	6.5	2.9
SL042	18.26		30.0	3.4
SL043	171.89	966.87	859.0	0.4
SL044	338.41	273.95	290.0	0.6
SL045	107.43		12.9	1.7
SL046	590.87	214.86	537.0	1.3
SL047	11.28	1.34	0.6	0.5
SL048	2.69		5.0	0.6
SL049	13.97		9.7	0.5
SL050	1.67		4.5	0.6
SL051	49.96	38.14	43.0	0.4
SL052	504.92	359.89	225.6	0.3
SL053	5.16		8.6	0.0
SL054	45.66	17.19	11.3	0.5
SL055	107.43	112.8	225.6	53.2
SL056	1.93		0.8	0.4
SL057	25.25		12.4	0.5
SL058	1.24	2.9	2.7	0.4
SL059	3.38		2.9	0.3
SL060	1.72		0.6	0.5

Subslab Location	TCE Concentration ($\mu\text{g}/\text{m}^3$)			
	Sub-slab			Indoor Air
	8/09	11/09	2/10	2/10
SL061	2.79		2.3	0.4
SL062	15.58	2.95	3.3	0.0
SL063	11.28		2.6	0.0
SL064	1.13	3.22	0.7	0.4
SL065	1.24		0.9	1.0
SL066	2.04		4.8	1.9
SL067	1.72	0.86	0.8	0.0
SL068	8.59	6.98	4.4	0.8
SL069	1.56		1.0	0.3
SL070	1.83	2.95	0.8	1.5
SL071	0.91		11.8	0.0
SL072	1.45	1.45	1.6	0.0
SL073	3.01		0.8	0.3
SL074	1.56		0.8	3.2
SL075	3.76		2.3	0.0
SL076	1880.03	47.81	440.5	0.6
SL077	41.34		456.6	3.9
SL078	1.5		1.2	0.8
SL079	220.23	263.2	91.3	0.9
SL080	3.55		225.6	0.4
SL081	3.44	5.16	4.2	0.0
SL083	0.91		0.8	0.4
SL084	34.38	13965.95	38675.0	1.6
SL085	33.3	13.43	17.2	0.5
SL086	14.5	3.28	15.6	1.4
SL087	1.88		0.9	2.8
SL088	11.28	1.5	0.8	0.0
SL089	1.24		0.9	0.0
SL090	9.67	5.91	4.1	0.0
SL091	2.74		0.9	0.4
SL092	3.65	2.47	1.3	0.0
SL093	3.06		3.8	1.9
SL094	3.87		4.3	0.6
SL095	461.95	316.92	193.4	0.3
SL096	1.29		0.9	0.6
SL097	1.18		2.4	0.6
SL098	128.92	445.84	591.0	0.0
SL099	537.15	102.06	300.8	0.0
SL100	75.2	202.41	59.1	2.2
SL101	134.29	59.09	96.7	0.7
SL102	4.4		2.0	0.4
SL103	18.8	3.97	3.1	0.5
SL104	3.33		2.9	0.0
SL105	35.99		1.2	1.5
SL106	23.63		5.9	0.6
SL107	1.24		0.5	0.5
SL108	5.91		2.0	2.5
SL109	30.62	51.03	12.4	1.1
SL110		22.02	3.8	0.9
SL111		306.18	591.0	1.7
SL112		69.83	1128.0	0.7
SL113		5.26	3.3	0.6
SL114		4.83	91.3	0.5
SL115		64.46	2.7	2.6
SL116		1.72	9.1	4.7
SL117		37.6	30.1	0.4
SL118		1450.31	3223.0	0.8
SL119		220.23	53.7	2.4
SL120		112.8	53.7	1.0
Statistics				
25th Percentile	2.79	4.83	1.75	0.35
median	14.77	27.93	5.90	0.54
75th percentile	75.20	102.06	42.20	1.02
geomean	15.66	26.41	10.13	

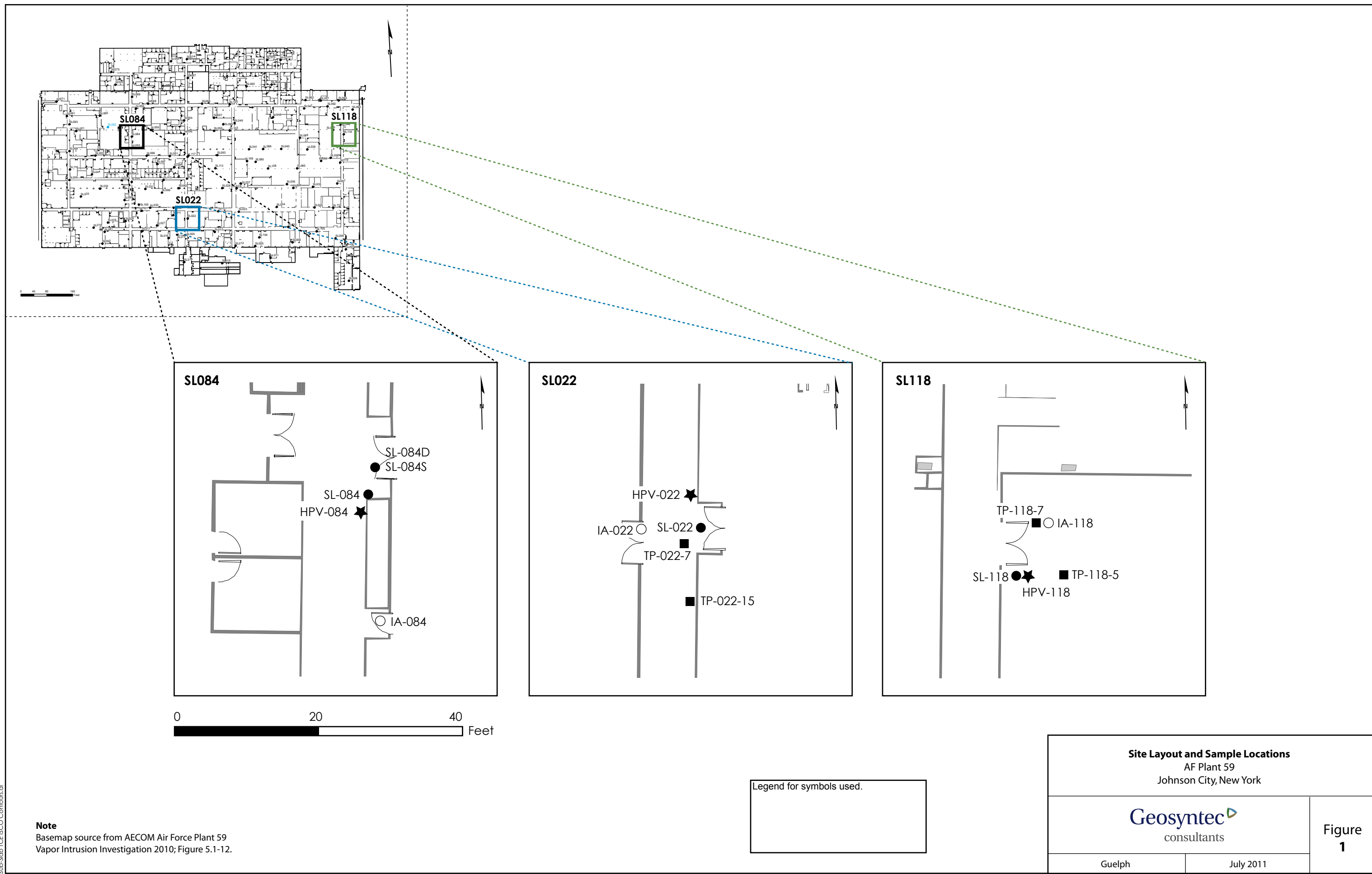
Notes:

TCE - trichloroethene

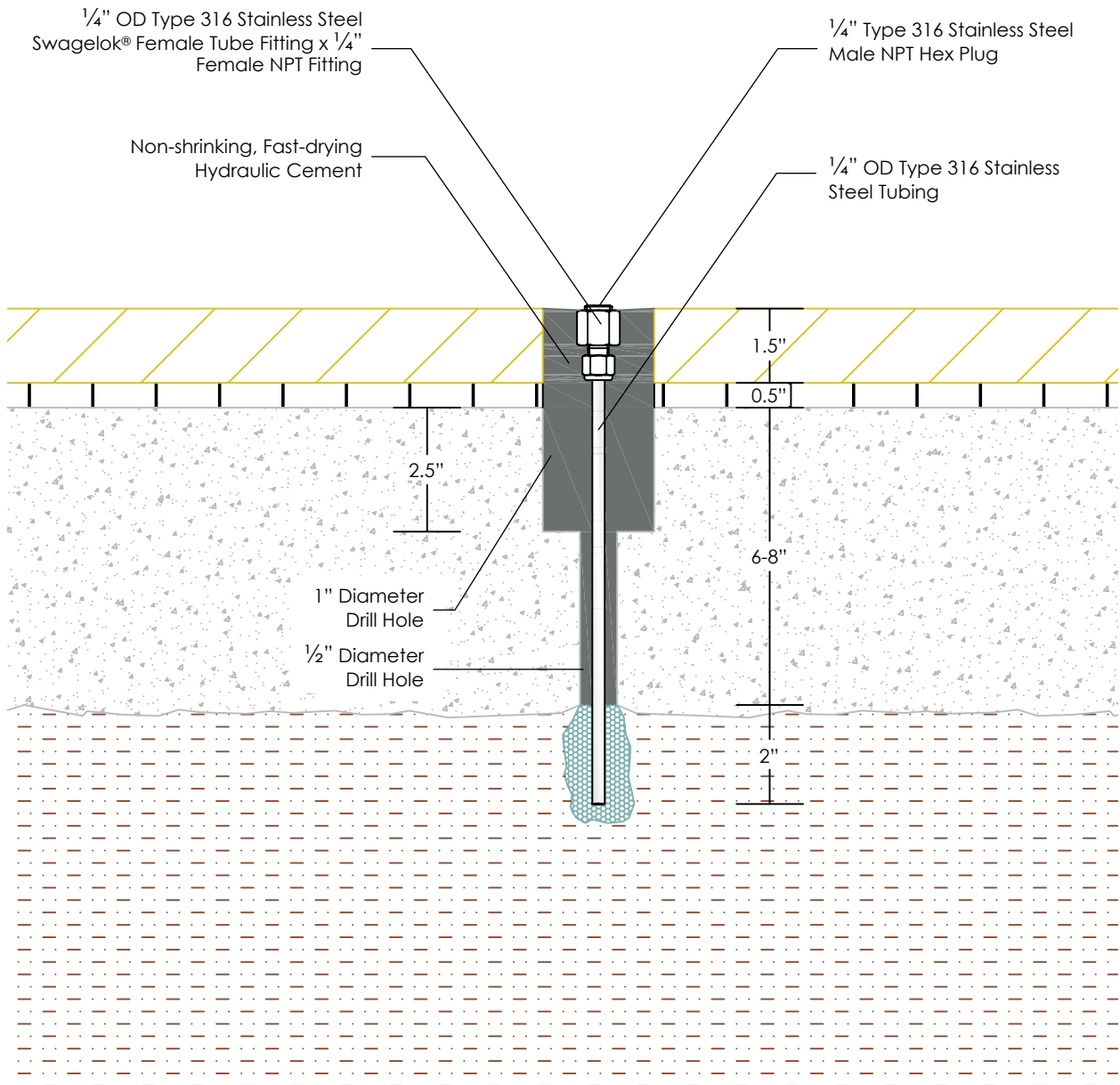
 $\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

Source: AECOM Air Force Plant 59 Vapor Intrusion Investigation Report (September 2010)






Sub-Slab TCE BCO Contours of



Note
Basemap source from AECOM Air Force Plant 59
Vapor Intrusion Investigation 2010; Figure 5.1-12.



Legend

-  Wood Flooring
-  Flooring Spacers
-  Concrete Floor
-  Cinder/Fly Ash Sub-base
-  Environmental Glass Bead Filter Pack

Notes:

1. Concrete floor thickness varies from 6 to 8 inches throughout facility.
2. Teflon® tape was used to seal all thread connections.
3. Figure source from AECOM Air Force Plant 59 Vapor Intrusion Investigation 2010; Figure 3.1-7.

0" 1.5" 3" 6"

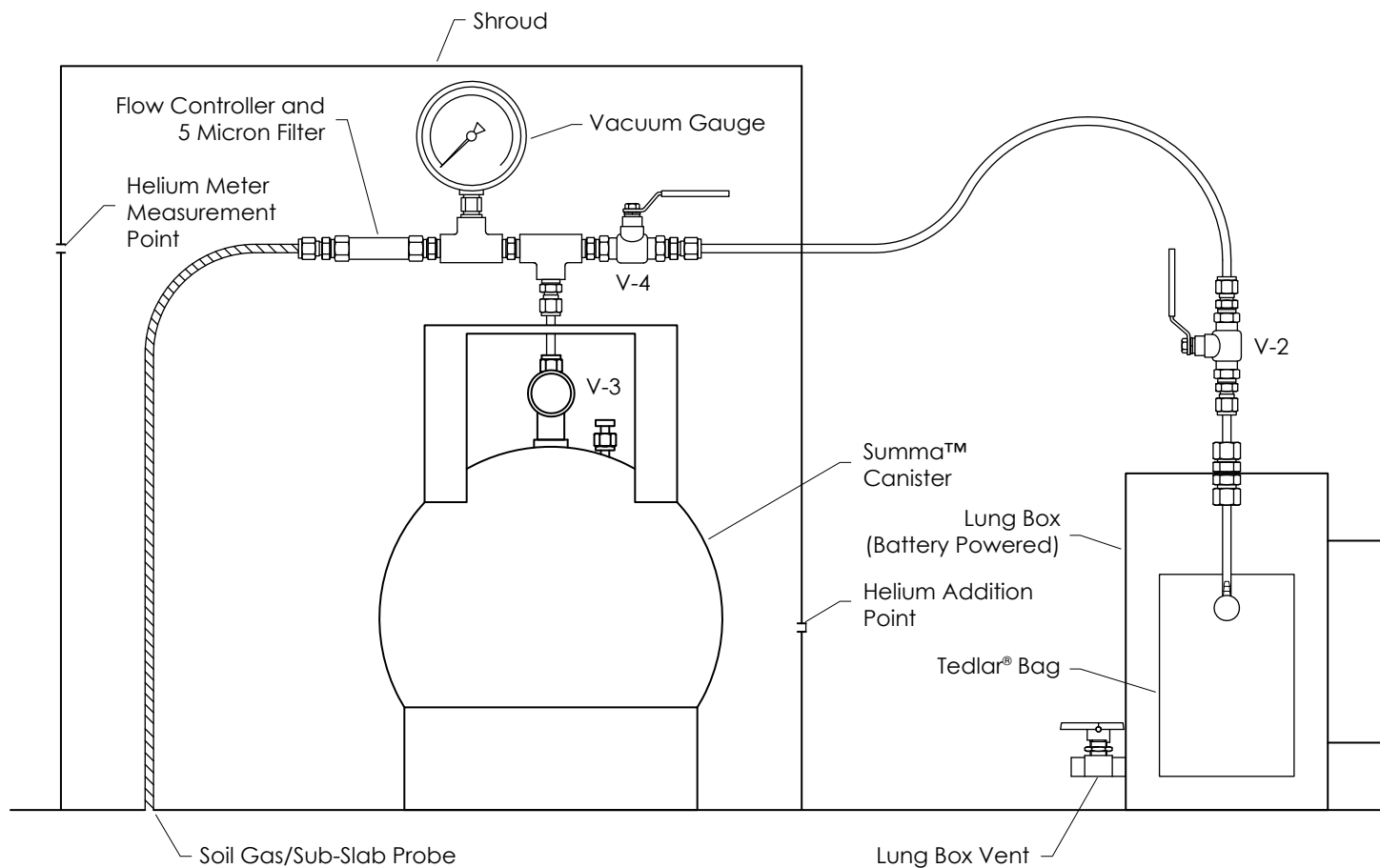
Typical Sub-Slab Probe Construction
AF Plant 59
Johnson City, New York

Geosyntec
consultants



Guelph

June 2011

**Figure
2**



Legend

-  New Nylaflow® Tubing
-  Non-Dedicated Tubing

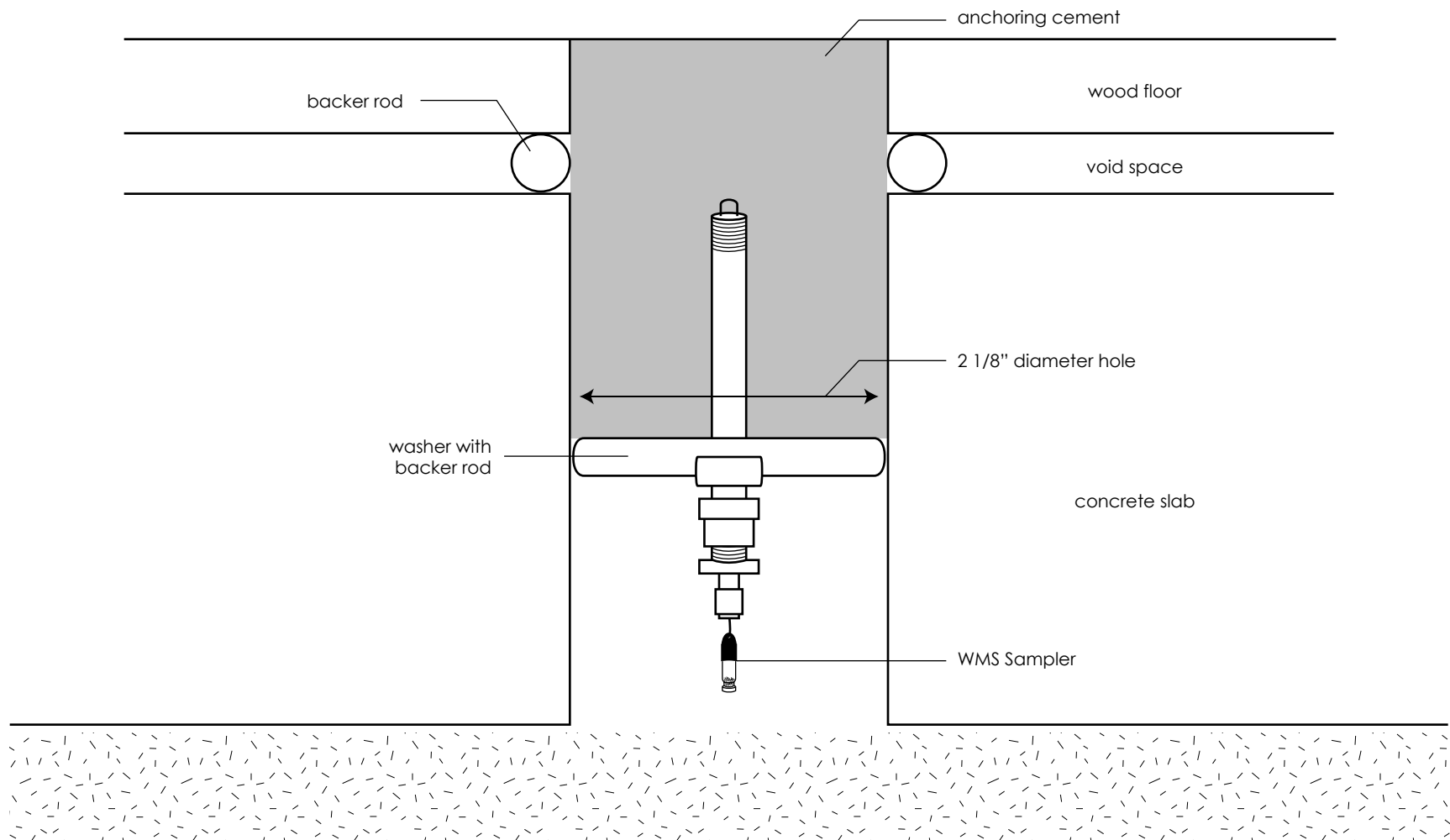
Soil Vapor Purging and Sampling Assembly
AF Plant 59
Johnson City, New York

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consultants

Guelph

July 2011

**Figure
3**



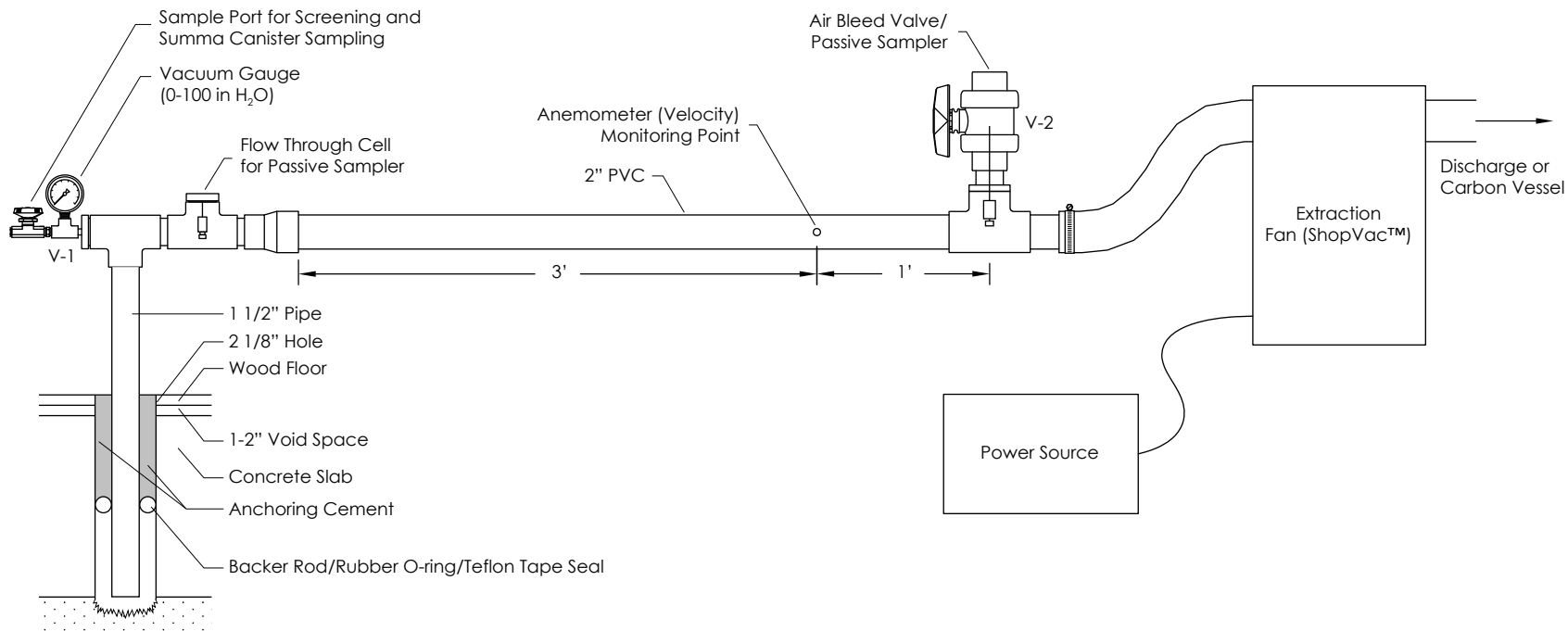
Passive Sub-Slab Sample Apparatus
 AF Plant 59
 Johnson City, New York

Geosyntec
 consultants

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July 2011

**Figure
4**



High Purge Volume Test Assembly
 AF Plant 59
 Johnson City, New York



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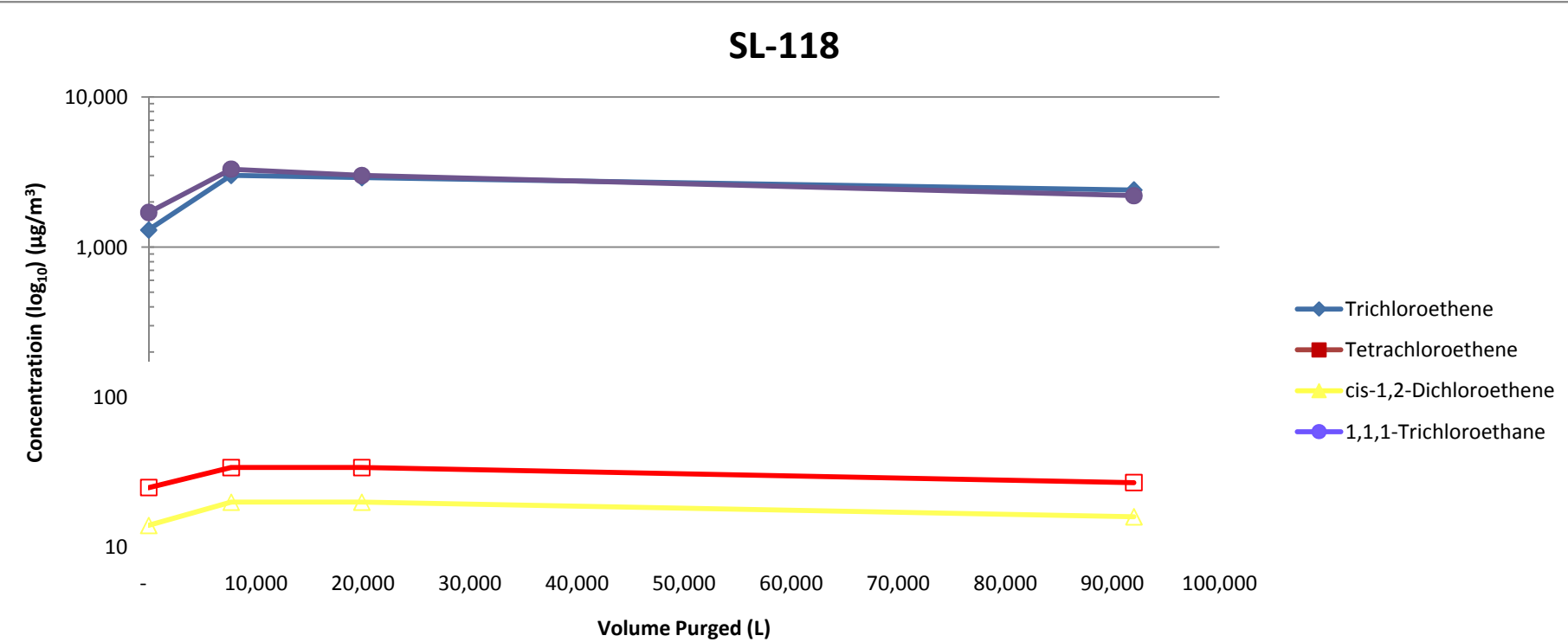
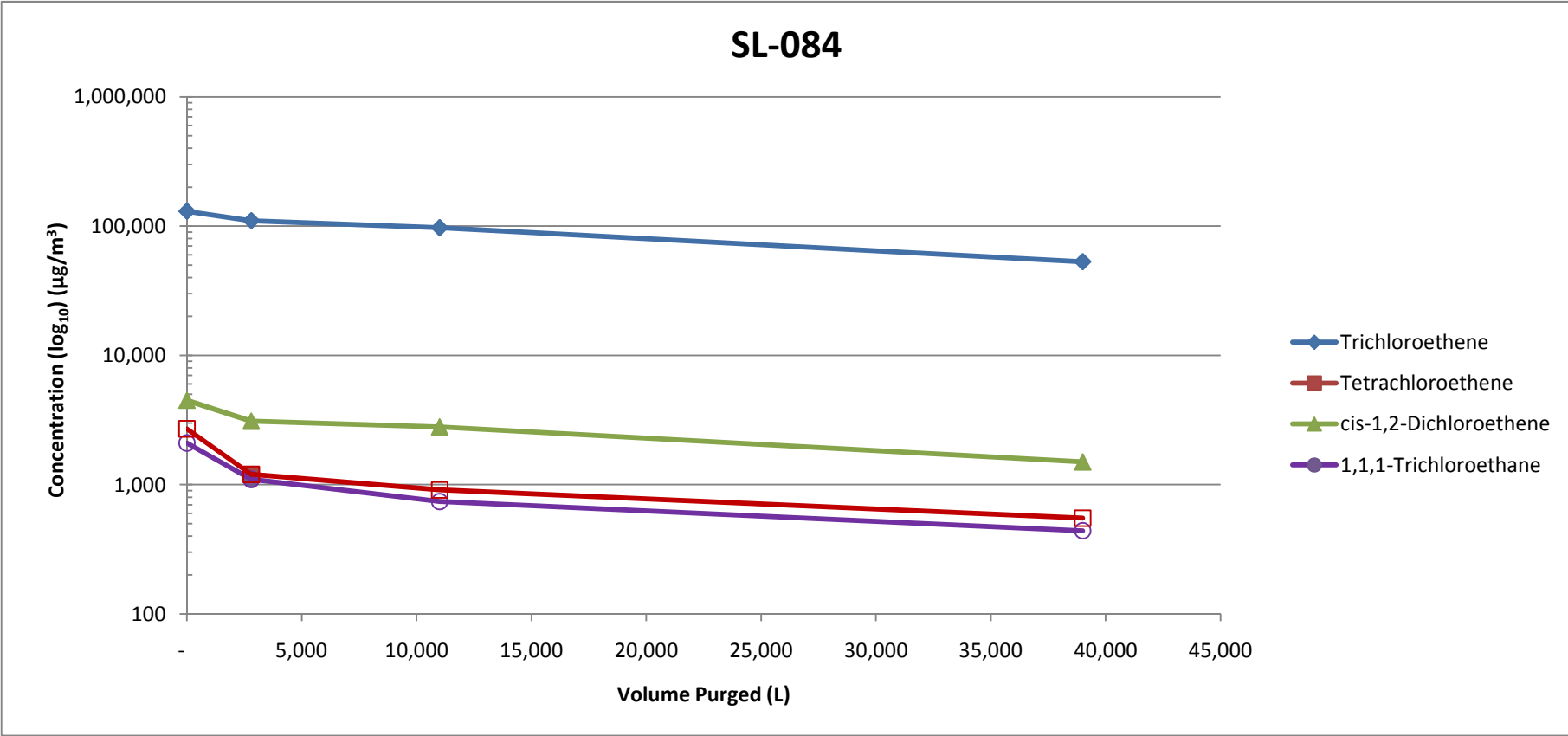
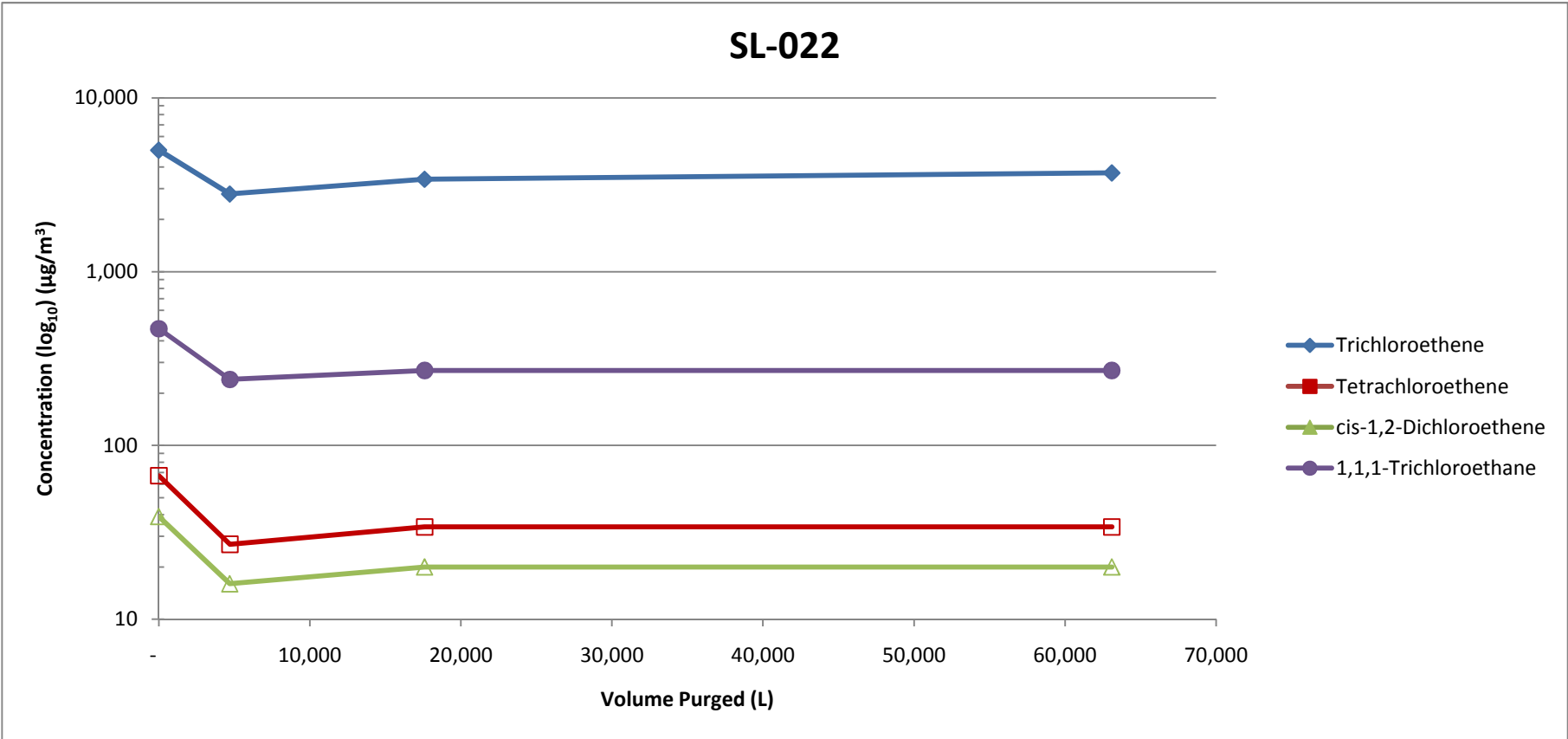
July 2011

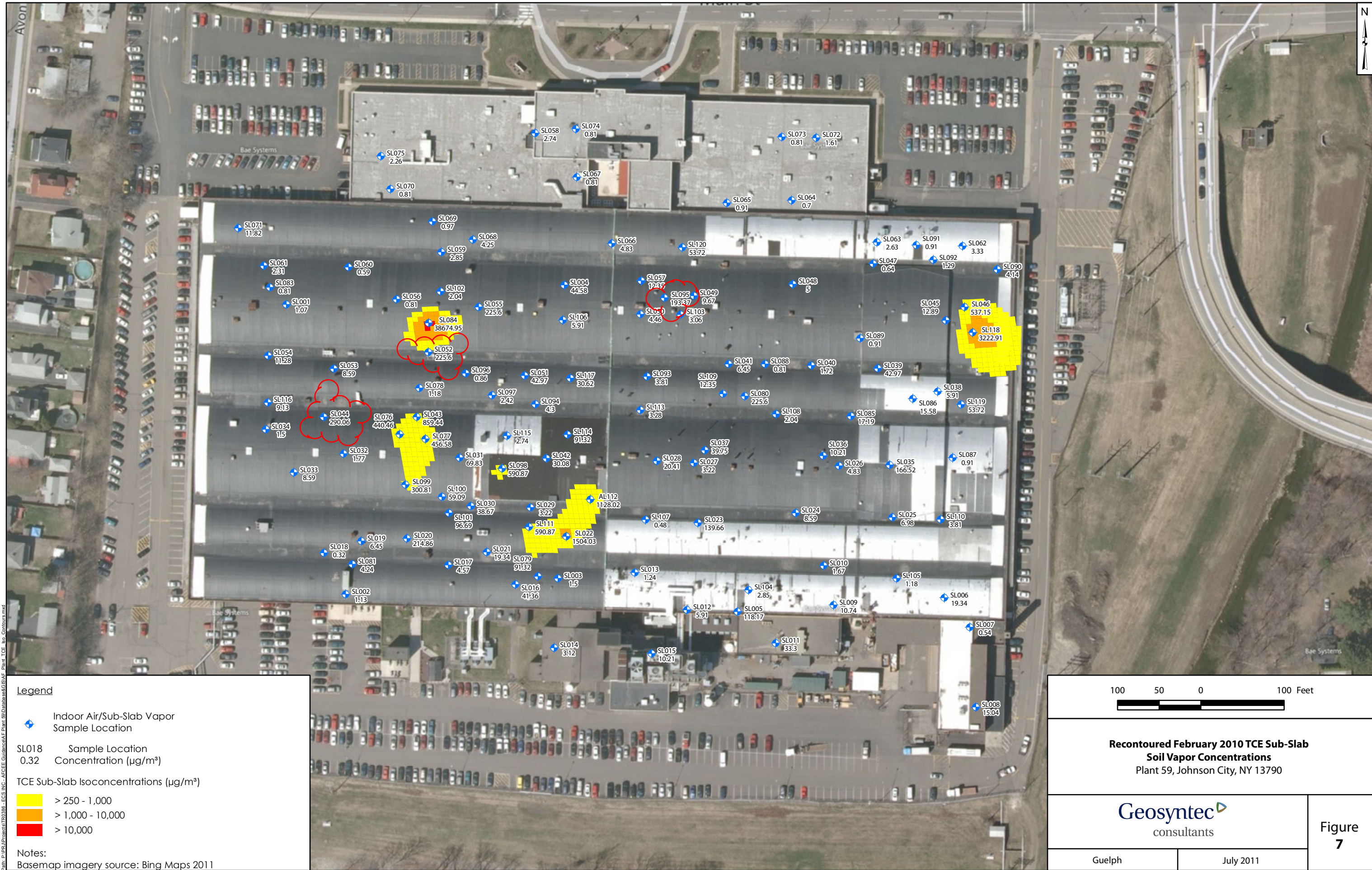
**Figure
5**

Legend

-  Ball Valve
-  Nylaflo® Tubing

P:\PRA Projects\VR0286 - ECS INC. - ACCE Guidance\AF Plant SRP Report\Figures\F6 - Unconnected Concentration vs Volume Purged.xls|Figure 6





APPENDIX A

LABORATORY REPORTS OF ANALYSIS

ANALYTICAL REPORT

Job Number: 200-4737-1

SDG Number: 200-4737

Job Description: AFP59

For:
Geosyntec Consultants, Inc.
130 Research Lane
Suite 2
Guelph, Ontario N1G5G3
Attention: Mr. David Bertrand



Approved for release.
Steve C Timmons
Customer Service Manager
4/26/2011 4:32 PM

Designee for
Don C Dawicki
Project Manager II
don.dawicki@testamericainc.com
04/26/2011

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Geosyntec Consultants, Inc.

Project: AFP59

Report Number: 200-4737-1

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 04/18/2011; the samples arrived in good condition, properly preserved.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): SL 022, SL 084, SL 118. The container labels list only stop times of collection. The COC lists both start and stop times.

VOLATILE ORGANIC COMPOUNDS

Samples SL 118, SL 022 and SL 084 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/22/2011 and 04/23/2011.

Samples SL 118[18X], SL 022[50X] and SL 084[1960X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1SDG No.: 200-4737Instrument ID: B.i Analysis Batch Number: 16751Lab Sample ID: IC 200-16751/14 Client Sample ID: _____Date Analyzed: 04/20/11 08:43 Lab File ID: bka014.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	7.99	Baseline event	pd	04/20/11 09:52
Ethyl acetate	8.93	Baseline event	pd	04/20/11 09:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1SDG No.: 200-4737Instrument ID: B.i Analysis Batch Number: 16914Lab Sample ID: 200-4737-2 Client Sample ID: SL 022Date Analyzed: 04/23/11 00:33 Lab File ID: bkac014.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	4.81	Baseline event	klp	04/24/11 10:45

SAMPLE SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1
Sdg Number: 200-4737

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-4737-1	SL 118	Air	04/14/2011 1945	04/18/2011 1010
200-4737-2	SL 022	Air	04/14/2011 2105	04/18/2011 1010
200-4737-3	SL 084	Air	04/14/2011 2252	04/18/2011 1010

METHOD SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 118

Lab Sample ID: 200-4737-1

Date Sampled: 04/14/2011 1945

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac013.d
Dilution:	18.2			Initial Weight/Volume:	11 mL
Analysis Date:	04/22/2011 2341			Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 2341			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	9.1	U	9.1
Freon 22	9.1	U	9.1
1,2-Dichlorotetrafluoroethane	3.6	U	3.6
Chloromethane	9.1	U	9.1
n-Butane	92		9.1
Vinyl chloride	3.6	U	3.6
1,3-Butadiene	3.6	U	3.6
Bromomethane	3.6	U	3.6
Chloroethane	9.1	U	9.1
Bromoethene(Vinyl Bromide)	3.6	U	3.6
Trichlorofluoromethane	3.6	U	3.6
Freon TF	5.0		3.6
1,1-Dichloroethene	3.6	U	3.6
Acetone	91	U	91
Isopropyl alcohol	91	U	91
Carbon disulfide	9.1	U	9.1
3-Chloropropene	9.1	U	9.1
Methylene Chloride	9.1	U	9.1
tert-Butyl alcohol	91	U	91
Methyl tert-butyl ether	3.6	U	3.6
trans-1,2-Dichloroethene	3.6	U	3.6
n-Hexane	3.6	U	3.6
1,1-Dichloroethane	3.6	U	3.6
Methyl Ethyl Ketone	9.1	U	9.1
cis-1,2-Dichloroethene	3.6	U	3.6
1,2-Dichloroethene, Total	3.6	U	3.6
Chloroform	3.6	U	3.6
Tetrahydrofuran	91	U	91
1,1,1-Trichloroethane	300		3.6
Cyclohexane	3.6	U	3.6
Carbon tetrachloride	3.6	U	3.6
2,2,4-Trimethylpentane	3.6	U	3.6
Benzene	3.6	U	3.6
1,2-Dichloroethane	3.6	U	3.6
n-Heptane	3.6	U	3.6
Trichloroethene	250		3.6
Methyl methacrylate	9.1	U	9.1
1,2-Dichloropropane	3.6	U	3.6
1,4-Dioxane	91	U	91
Bromodichloromethane	3.6	U	3.6
cis-1,3-Dichloropropene	3.6	U	3.6
methyl isobutyl ketone	9.1	U	9.1
Toluene	3.6	U	3.6
trans-1,3-Dichloropropene	3.6	U	3.6
1,1,2-Trichloroethane	3.6	U	3.6
Tetrachloroethene	3.6	U	3.6

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 118

Lab Sample ID: 200-4737-1

Date Sampled: 04/14/2011 1945

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac013.d
Dilution:	18.2			Initial Weight/Volume:	11 mL
Analysis Date:	04/22/2011 2341			Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 2341			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	9.1	U	9.1
Dibromochloromethane	3.6	U	3.6
1,2-Dibromoethane	3.6	U	3.6
Chlorobenzene	3.6	U	3.6
Ethylbenzene	3.6	U	3.6
m,p-Xylene	9.1	U	9.1
Xylene, o-	3.6	U	3.6
Xylene (total)	3.6	U	3.6
Styrene	3.6	U	3.6
Bromoform	3.6	U	3.6
Cumene	3.6	U	3.6
1,1,2,2-Tetrachloroethane	3.6	U	3.6
n-Propylbenzene	3.6	U	3.6
4-Ethyltoluene	3.6	U	3.6
1,3,5-Trimethylbenzene	3.6	U	3.6
2-Chlorotoluene	3.6	U	3.6
tert-Butylbenzene	3.6	U	3.6
1,2,4-Trimethylbenzene	3.6	U	3.6
sec-Butylbenzene	3.6	U	3.6
4-Isopropyltoluene	3.6	U	3.6
1,3-Dichlorobenzene	3.6	U	3.6
1,4-Dichlorobenzene	3.6	U	3.6
Benzyl chloride	3.6	U	3.6
n-Butylbenzene	3.6	U	3.6
1,2-Dichlorobenzene	3.6	U	3.6
1,2,4-Trichlorobenzene	9.1	U	9.1
Hexachlorobutadiene	3.6	U	3.6
Naphthalene	9.1	U	9.1

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	45	U	45
Freon 22	32	U	32
1,2-Dichlorotetrafluoroethane	25	U	25
Chloromethane	19	U	19
n-Butane	220		22
Vinyl chloride	9.3	U	9.3
1,3-Butadiene	8.1	U	8.1
Bromomethane	14	U	14
Chloroethane	24	U	24
Bromoethene(Vinyl Bromide)	16	U	16
Trichlorofluoromethane	20	U	20
Freon TF	38		28
1,1-Dichloroethene	14	U	14
Acetone	220	U	220
Isopropyl alcohol	220	U	220
Carbon disulfide	28	U	28

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 118

Lab Sample ID: 200-4737-1

Date Sampled: 04/14/2011 1945

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac013.d
Dilution:	18.2			Initial Weight/Volume:	11 mL
Analysis Date:	04/22/2011 2341			Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 2341			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	28	U	28
Methylene Chloride	32	U	32
tert-Butyl alcohol	280	U	280
Methyl tert-butyl ether	13	U	13
trans-1,2-Dichloroethene	14	U	14
n-Hexane	13	U	13
1,1-Dichloroethane	15	U	15
Methyl Ethyl Ketone	27	U	27
cis-1,2-Dichloroethene	14	U	14
1,2-Dichloroethene, Total	14	U	14
Chloroform	18	U	18
Tetrahydrofuran	270	U	270
1,1,1-Trichloroethane	1700		20
Cyclohexane	13	U	13
Carbon tetrachloride	23	U	23
2,2,4-Trimethylpentane	17	U	17
Benzene	12	U	12
1,2-Dichloroethane	15	U	15
n-Heptane	15	U	15
Trichloroethene	1300		20
Methyl methacrylate	37	U	37
1,2-Dichloropropane	17	U	17
1,4-Dioxane	330	U	330
Bromodichloromethane	24	U	24
cis-1,3-Dichloropropene	17	U	17
methyl isobutyl ketone	37	U	37
Toluene	14	U	14
trans-1,3-Dichloropropene	17	U	17
1,1,2-Trichloroethane	20	U	20
Tetrachloroethene	25	U	25
Methyl Butyl Ketone (2-Hexanone)	37	U	37
Dibromochloromethane	31	U	31
1,2-Dibromoethane	28	U	28
Chlorobenzene	17	U	17
Ethylbenzene	16	U	16
m,p-Xylene	40	U	40
Xylene, o-	16	U	16
Xylene (total)	16	U	16
Styrene	16	U	16
Bromoform	38	U	38
Cumene	18	U	18
1,1,2,2-Tetrachloroethane	25	U	25
n-Propylbenzene	18	U	18
4-Ethyltoluene	18	U	18
1,3,5-Trimethylbenzene	18	U	18
2-Chlorotoluene	19	U	19

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 118

Lab Sample ID: 200-4737-1

Date Sampled: 04/14/2011 1945

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac013.d
Dilution:	18.2			Initial Weight/Volume:	11 mL
Analysis Date:	04/22/2011 2341			Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 2341			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	20	U	20
1,2,4-Trimethylbenzene	18	U	18
sec-Butylbenzene	20	U	20
4-Isopropyltoluene	20	U	20
1,3-Dichlorobenzene	22	U	22
1,4-Dichlorobenzene	22	U	22
Benzyl chloride	19	U	19
n-Butylbenzene	20	U	20
1,2-Dichlorobenzene	22	U	22
1,2,4-Trichlorobenzene	68	U	68
Hexachlorobutadiene	39	U	39
Naphthalene	48	U	48

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 022

Lab Sample ID: 200-4737-2

Date Sampled: 04/14/2011 2105

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac014.d
Dilution:	49.7			Initial Weight/Volume:	19 mL
Analysis Date:	04/23/2011 0033			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0033			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	25	U	25
Freon 22	25	U	25
1,2-Dichlorotetrafluoroethane	9.9	U	9.9
Chloromethane	25	U	25
n-Butane	25	U	25
Vinyl chloride	9.9	U	9.9
1,3-Butadiene	9.9	U	9.9
Bromomethane	9.9	U	9.9
Chloroethane	25	U	25
Bromoethene(Vinyl Bromide)	9.9	U	9.9
Trichlorofluoromethane	9.9	U	9.9
Freon TF	35		9.9
1,1-Dichloroethene	9.9	U	9.9
Acetone	250	U	250
Isopropyl alcohol	250	U	250
Carbon disulfide	25	U	25
3-Chloropropene	25	U	25
Methylene Chloride	25	U	25
tert-Butyl alcohol	250	U	250
Methyl tert-butyl ether	9.9	U	9.9
trans-1,2-Dichloroethene	9.9	U	9.9
n-Hexane	9.9	U	9.9
1,1-Dichloroethane	9.9	U	9.9
Methyl Ethyl Ketone	25	U	25
cis-1,2-Dichloroethene	9.9	U	9.9
1,2-Dichloroethene, Total	9.9	U	9.9
Chloroform	9.9	U	9.9
Tetrahydrofuran	250	U	250
1,1,1-Trichloroethane	87		9.9
Cyclohexane	9.9	U	9.9
Carbon tetrachloride	9.9	U	9.9
2,2,4-Trimethylpentane	9.9	U	9.9
Benzene	9.9	U	9.9
1,2-Dichloroethane	9.9	U	9.9
n-Heptane	9.9	U	9.9
Trichloroethene	930		9.9
Methyl methacrylate	25	U	25
1,2-Dichloropropane	9.9	U	9.9
1,4-Dioxane	250	U	250
Bromodichloromethane	9.9	U	9.9
cis-1,3-Dichloropropene	9.9	U	9.9
methyl isobutyl ketone	25	U	25
Toluene	9.9	U	9.9
trans-1,3-Dichloropropene	9.9	U	9.9
1,1,2-Trichloroethane	9.9	U	9.9
Tetrachloroethene	9.9	U	9.9

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 022

Lab Sample ID: 200-4737-2

Date Sampled: 04/14/2011 2105

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac014.d
Dilution:	49.7			Initial Weight/Volume:	19 mL
Analysis Date:	04/23/2011 0033			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0033			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	25	U	25
Dibromochloromethane	9.9	U	9.9
1,2-Dibromoethane	9.9	U	9.9
Chlorobenzene	9.9	U	9.9
Ethylbenzene	9.9	U	9.9
m,p-Xylene	25	U	25
Xylene, o-	9.9	U	9.9
Xylene (total)	9.9	U	9.9
Styrene	9.9	U	9.9
Bromoform	9.9	U	9.9
Cumene	9.9	U	9.9
1,1,2,2-Tetrachloroethane	9.9	U	9.9
n-Propylbenzene	9.9	U	9.9
4-Ethyltoluene	9.9	U	9.9
1,3,5-Trimethylbenzene	9.9	U	9.9
2-Chlorotoluene	9.9	U	9.9
tert-Butylbenzene	9.9	U	9.9
1,2,4-Trimethylbenzene	9.9	U	9.9
sec-Butylbenzene	9.9	U	9.9
4-Isopropyltoluene	9.9	U	9.9
1,3-Dichlorobenzene	9.9	U	9.9
1,4-Dichlorobenzene	9.9	U	9.9
Benzyl chloride	9.9	U	9.9
n-Butylbenzene	9.9	U	9.9
1,2-Dichlorobenzene	9.9	U	9.9
1,2,4-Trichlorobenzene	25	U	25
Hexachlorobutadiene	9.9	U	9.9
Naphthalene	25	U	25

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	120	U	120
Freon 22	88	U	88
1,2-Dichlorotetrafluoroethane	69	U	69
Chloromethane	51	U	51
n-Butane	59	U	59
Vinyl chloride	25	U	25
1,3-Butadiene	22	U	22
Bromomethane	39	U	39
Chloroethane	66	U	66
Bromoethene(Vinyl Bromide)	43	U	43
Trichlorofluoromethane	56	U	56
Freon TF	270		76
1,1-Dichloroethene	39	U	39
Acetone	590	U	590
Isopropyl alcohol	610	U	610
Carbon disulfide	77	U	77

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 022

Lab Sample ID: 200-4737-2

Date Sampled: 04/14/2011 2105

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac014.d
Dilution:	49.7			Initial Weight/Volume:	19 mL
Analysis Date:	04/23/2011 0033			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0033			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	78	U	78
Methylene Chloride	86	U	86
tert-Butyl alcohol	750	U	750
Methyl tert-butyl ether	36	U	36
trans-1,2-Dichloroethene	39	U	39
n-Hexane	35	U	35
1,1-Dichloroethane	40	U	40
Methyl Ethyl Ketone	73	U	73
cis-1,2-Dichloroethene	39	U	39
1,2-Dichloroethene, Total	39	U	39
Chloroform	49	U	49
Tetrahydrofuran	730	U	730
1,1,1-Trichloroethane	470		54
Cyclohexane	34	U	34
Carbon tetrachloride	63	U	63
2,2,4-Trimethylpentane	46	U	46
Benzene	32	U	32
1,2-Dichloroethane	40	U	40
n-Heptane	41	U	41
Trichloroethene	5000		53
Methyl methacrylate	100	U	100
1,2-Dichloropropane	46	U	46
1,4-Dioxane	900	U	900
Bromodichloromethane	67	U	67
cis-1,3-Dichloropropene	45	U	45
methyl isobutyl ketone	100	U	100
Toluene	37	U	37
trans-1,3-Dichloropropene	45	U	45
1,1,2-Trichloroethane	54	U	54
Tetrachloroethene	67	U	67
Methyl Butyl Ketone (2-Hexanone)	100	U	100
Dibromochloromethane	85	U	85
1,2-Dibromoethane	76	U	76
Chlorobenzene	46	U	46
Ethylbenzene	43	U	43
m,p-Xylene	110	U	110
Xylene, o-	43	U	43
Xylene (total)	43	U	43
Styrene	42	U	42
Bromoform	100	U	100
Cumene	49	U	49
1,1,2,2-Tetrachloroethane	68	U	68
n-Propylbenzene	49	U	49
4-Ethyltoluene	49	U	49
1,3,5-Trimethylbenzene	49	U	49
2-Chlorotoluene	51	U	51

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 022

Lab Sample ID: 200-4737-2

Date Sampled: 04/14/2011 2105

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac014.d
Dilution:	49.7			Initial Weight/Volume:	19 mL
Analysis Date:	04/23/2011 0033			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0033			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	55	U	55
1,2,4-Trimethylbenzene	49	U	49
sec-Butylbenzene	55	U	55
4-Isopropyltoluene	55	U	55
1,3-Dichlorobenzene	60	U	60
1,4-Dichlorobenzene	60	U	60
Benzyl chloride	51	U	51
n-Butylbenzene	55	U	55
1,2-Dichlorobenzene	60	U	60
1,2,4-Trichlorobenzene	180	U	180
Hexachlorobutadiene	110	U	110
Naphthalene	130	U	130

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 084

Lab Sample ID: 200-4737-3

Date Sampled: 04/14/2011 2252

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac015.d
Dilution:	1960			Initial Weight/Volume:	24 mL
Analysis Date:	04/23/2011 0126			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0126			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	980	U	980
Freon 22	980	U	980
1,2-Dichlorotetrafluoroethane	390	U	390
Chloromethane	980	U	980
n-Butane	980	U	980
Vinyl chloride	390	U	390
1,3-Butadiene	390	U	390
Bromomethane	390	U	390
Chloroethane	980	U	980
Bromoethene(Vinyl Bromide)	390	U	390
Trichlorofluoromethane	390	U	390
Freon TF	390	U	390
1,1-Dichloroethene	390	U	390
Acetone	9800	U	9800
Isopropyl alcohol	9800	U	9800
Carbon disulfide	980	U	980
3-Chloropropene	980	U	980
Methylene Chloride	980	U	980
tert-Butyl alcohol	9800	U	9800
Methyl tert-butyl ether	390	U	390
trans-1,2-Dichloroethene	390	U	390
n-Hexane	390	U	390
1,1-Dichloroethane	390	U	390
Methyl Ethyl Ketone	980	U	980
cis-1,2-Dichloroethene	1100		390
1,2-Dichloroethene, Total	1400		390
Chloroform	390	U	390
Tetrahydrofuran	9800	U	9800
1,1,1-Trichloroethane	390	U	390
Cyclohexane	390	U	390
Carbon tetrachloride	390	U	390
2,2,4-Trimethylpentane	390	U	390
Benzene	390	U	390
1,2-Dichloroethane	390	U	390
n-Heptane	390	U	390
Trichloroethene	24000		390
Methyl methacrylate	980	U	980
1,2-Dichloropropane	390	U	390
1,4-Dioxane	9800	U	9800
Bromodichloromethane	390	U	390
cis-1,3-Dichloropropene	390	U	390
methyl isobutyl ketone	980	U	980
Toluene	390	U	390
trans-1,3-Dichloropropene	390	U	390
1,1,2-Trichloroethane	390	U	390
Tetrachloroethene	390	U	390

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 084

Lab Sample ID: 200-4737-3

Date Sampled: 04/14/2011 2252

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac015.d
Dilution:	1960			Initial Weight/Volume:	24 mL
Analysis Date:	04/23/2011 0126			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0126			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	980	U	980
Dibromochloromethane	390	U	390
1,2-Dibromoethane	390	U	390
Chlorobenzene	390	U	390
Ethylbenzene	390	U	390
m,p-Xylene	980	U	980
Xylene, o-	390	U	390
Xylene (total)	390	U	390
Styrene	390	U	390
Bromoform	390	U	390
Cumene	390	U	390
1,1,2,2-Tetrachloroethane	390	U	390
n-Propylbenzene	390	U	390
4-Ethyltoluene	390	U	390
1,3,5-Trimethylbenzene	390	U	390
2-Chlorotoluene	390	U	390
tert-Butylbenzene	390	U	390
1,2,4-Trimethylbenzene	390	U	390
sec-Butylbenzene	390	U	390
4-Isopropyltoluene	390	U	390
1,3-Dichlorobenzene	390	U	390
1,4-Dichlorobenzene	390	U	390
Benzyl chloride	390	U	390
n-Butylbenzene	390	U	390
1,2-Dichlorobenzene	390	U	390
1,2,4-Trichlorobenzene	980	U	980
Hexachlorobutadiene	390	U	390
Naphthalene	980	U	980

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	4800	U	4800
Freon 22	3500	U	3500
1,2-Dichlorotetrafluoroethane	2700	U	2700
Chloromethane	2000	U	2000
n-Butane	2300	U	2300
Vinyl chloride	1000	U	1000
1,3-Butadiene	870	U	870
Bromomethane	1500	U	1500
Chloroethane	2600	U	2600
Bromoethene(Vinyl Bromide)	1700	U	1700
Trichlorofluoromethane	2200	U	2200
Freon TF	3000	U	3000
1,1-Dichloroethene	1600	U	1600
Acetone	23000	U	23000
Isopropyl alcohol	24000	U	24000
Carbon disulfide	3100	U	3100

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 084

Lab Sample ID: 200-4737-3

Date Sampled: 04/14/2011 2252

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac015.d
Dilution:	1960			Initial Weight/Volume:	24 mL
Analysis Date:	04/23/2011 0126			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0126			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	3100	U	3100
Methylene Chloride	3400	U	3400
tert-Butyl alcohol	30000	U	30000
Methyl tert-butyl ether	1400	U	1400
trans-1,2-Dichloroethene	1600	U	1600
n-Hexane	1400	U	1400
1,1-Dichloroethane	1600	U	1600
Methyl Ethyl Ketone	2900	U	2900
cis-1,2-Dichloroethene	4500		1600
1,2-Dichloroethene, Total	5600		1600
Chloroform	1900	U	1900
Tetrahydrofuran	29000	U	29000
1,1,1-Trichloroethane	2100	U	2100
Cyclohexane	1300	U	1300
Carbon tetrachloride	2500	U	2500
2,2,4-Trimethylpentane	1800	U	1800
Benzene	1300	U	1300
1,2-Dichloroethane	1600	U	1600
n-Heptane	1600	U	1600
Trichloroethene	130000		2100
Methyl methacrylate	4000	U	4000
1,2-Dichloropropane	1800	U	1800
1,4-Dioxane	35000	U	35000
Bromodichloromethane	2600	U	2600
cis-1,3-Dichloropropene	1800	U	1800
methyl isobutyl ketone	4000	U	4000
Toluene	1500	U	1500
trans-1,3-Dichloropropene	1800	U	1800
1,1,2-Trichloroethane	2100	U	2100
Tetrachloroethene	2700	U	2700
Methyl Butyl Ketone (2-Hexanone)	4000	U	4000
Dibromochloromethane	3300	U	3300
1,2-Dibromoethane	3000	U	3000
Chlorobenzene	1800	U	1800
Ethylbenzene	1700	U	1700
m,p-Xylene	4300	U	4300
Xylene, o-	1700	U	1700
Xylene (total)	1700	U	1700
Styrene	1700	U	1700
Bromoform	4100	U	4100
Cumene	1900	U	1900
1,1,2,2-Tetrachloroethane	2700	U	2700
n-Propylbenzene	1900	U	1900
4-Ethyltoluene	1900	U	1900
1,3,5-Trimethylbenzene	1900	U	1900
2-Chlorotoluene	2000	U	2000

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Client Sample ID: SL 084

Lab Sample ID: 200-4737-3

Date Sampled: 04/14/2011 2252

Client Matrix: Air

Date Received: 04/18/2011 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-16914	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkac015.d
Dilution:	1960			Initial Weight/Volume:	24 mL
Analysis Date:	04/23/2011 0126			Final Weight/Volume:	200 mL
Prep Date:	04/23/2011 0126			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	2200	U	2200
1,2,4-Trimethylbenzene	1900	U	1900
sec-Butylbenzene	2200	U	2200
4-Isopropyltoluene	2200	U	2200
1,3-Dichlorobenzene	2400	U	2400
1,4-Dichlorobenzene	2400	U	2400
Benzyl chloride	2000	U	2000
n-Butylbenzene	2200	U	2200
1,2-Dichlorobenzene	2400	U	2400
1,2,4-Trichlorobenzene	7300	U	7300
Hexachlorobutadiene	4200	U	4200
Naphthalene	5100	U	5100

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Method Blank - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-16914/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/22/2011 1550
 Prep Date: 04/22/2011 1550
 Leach Date: N/A

Analysis Batch: 200-16914
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkac004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Method Blank - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-16914/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/22/2011 1550
 Prep Date: 04/22/2011 1550
 Leach Date: N/A

Analysis Batch: 200-16914
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkac004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	0.20	U	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.20	U	0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Method Blank - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-16914/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/22/2011 1550
 Prep Date: 04/22/2011 1550
 Leach Date: N/A

Analysis Batch: 200-16914
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: B.i
 Lab File ID: bkac004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	1.1	U	1.1
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Method Blank - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-16914/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/22/2011 1550
 Prep Date: 04/22/2011 1550
 Leach Date: N/A

Analysis Batch: 200-16914
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: B.i
 Lab File ID: bkac004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	0.87	U	0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Lab Control Sample - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-16914/3	Analysis Batch:	200-16914	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkac003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/22/2011 1456	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 1456			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.54	95	70 - 130	
Freon 22	10.0	8.84	88	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.48	95	70 - 130	
Chloromethane	10.0	8.59	86	70 - 130	
n-Butane	10.0	8.25	83	70 - 130	
Vinyl chloride	10.0	9.04	90	70 - 130	
1,3-Butadiene	10.0	9.13	91	70 - 130	
Bromomethane	10.0	9.25	93	70 - 130	
Chloroethane	10.0	8.91	89	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.0	100	70 - 130	
Trichlorofluoromethane	10.0	9.96	100	70 - 130	
Freon TF	10.0	10.7	107	70 - 130	
1,1-Dichloroethene	10.0	10.9	109	70 - 130	
Acetone	10.0	9.17	92	70 - 130	
Isopropyl alcohol	10.0	8.55	85	70 - 130	
Carbon disulfide	10.0	9.87	99	70 - 130	
3-Chloropropene	10.0	8.86	89	70 - 130	
Methylene Chloride	10.0	9.57	96	70 - 130	
tert-Butyl alcohol	10.0	8.99	90	70 - 130	
Methyl tert-butyl ether	10.0	9.76	98	70 - 130	
trans-1,2-Dichloroethene	10.0	9.41	94	70 - 130	
n-Hexane	10.0	9.24	92	70 - 130	
1,1-Dichloroethane	10.0	9.46	95	70 - 130	
Methyl Ethyl Ketone	10.0	9.80	98	70 - 130	
cis-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
Chloroform	10.0	9.75	98	70 - 130	
Tetrahydrofuran	10.0	8.98	90	70 - 130	
1,1,1-Trichloroethane	10.0	10.0	100	70 - 130	
Cyclohexane	10.0	9.82	98	70 - 130	
Carbon tetrachloride	10.0	9.91	99	70 - 130	
2,2,4-Trimethylpentane	10.0	9.44	94	70 - 130	
Benzene	10.0	9.70	97	70 - 130	
1,2-Dichloroethane	10.0	9.43	94	70 - 130	
n-Heptane	10.0	8.83	88	70 - 130	
Trichloroethene	10.0	9.80	98	70 - 130	
Methyl methacrylate	10.0	9.52	95	70 - 130	
1,2-Dichloropropane	10.0	9.30	93	70 - 130	
1,4-Dioxane	10.0	8.97	90	70 - 130	
Bromodichloromethane	10.0	10.1	101	70 - 130	
cis-1,3-Dichloropropene	10.0	9.62	96	70 - 130	
methyl isobutyl ketone	10.0	8.91	89	70 - 130	
Toluene	10.0	9.61	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.69	97	70 - 130	
1,1,2-Trichloroethane	10.0	9.22	92	70 - 130	
Tetrachloroethene	10.0	9.79	98	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.77	88	70 - 130	

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Lab Control Sample - Batch: 200-16914

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-16914/3	Analysis Batch:	200-16914	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkac003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/22/2011 1456	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/22/2011 1456			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.5	105	70 - 130	
1,2-Dibromoethane	10.0	9.68	97	70 - 130	
Chlorobenzene	10.0	9.43	94	70 - 130	
Ethylbenzene	10.0	9.65	97	70 - 130	
m,p-Xylene	20.0	19.6	98	70 - 130	
Xylene, o-	10.0	9.61	96	70 - 130	
Styrene	10.0	9.96	100	70 - 130	
Bromoform	10.0	11.0	110	70 - 130	
Cumene	10.0	9.97	100	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.34	93	70 - 130	
n-Propylbenzene	10.0	10.1	101	70 - 130	
4-Ethyltoluene	10.0	10.2	102	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.76	98	70 - 130	
2-Chlorotoluene	10.0	10.0	100	70 - 130	
tert-Butylbenzene	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.63	96	70 - 130	
sec-Butylbenzene	10.0	9.96	100	70 - 130	
4-Isopropyltoluene	10.0	10.3	103	70 - 130	
1,3-Dichlorobenzene	10.0	9.85	99	70 - 130	
1,4-Dichlorobenzene	10.0	9.94	99	70 - 130	
Benzyl chloride	10.0	10.1	101	70 - 130	
n-Butylbenzene	10.0	10.3	103	70 - 130	
1,2-Dichlorobenzene	10.0	9.50	95	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.87	99	70 - 130	
Hexachlorobutadiene	10.0	9.85	98	70 - 130	
Naphthalene	10.0	10.1	101	70 - 130	

DATA REPORTING QUALIFIERS

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

Sdg Number: 200-4737

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-16914					
LCS 200-16914/3	Lab Control Sample	T	Air	TO-15	
MB 200-16914/4	Method Blank	T	Air	TO-15	
200-4737-1	SL 118	T	Air	TO-15	
200-4737-2	SL 022	T	Air	TO-15	
200-4737-3	SL 084	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

SDG: 200-4737

Laboratory Chronicle

Lab ID: 200-4737-1

Client ID: SL 118

Sample Date/Time: 04/14/2011 19:45

Received Date/Time: 04/18/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-4737-A-1		200-16914		04/22/2011 23:41	18.2	TAL BUR	PAD
A:TO-15	200-4737-A-1		200-16914		04/22/2011 23:41	18.2	TAL BUR	PAD

Lab ID: 200-4737-2

Client ID: SL 022

Sample Date/Time: 04/14/2011 21:05

Received Date/Time: 04/18/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-4737-A-2		200-16914		04/23/2011 00:33	49.7	TAL BUR	PAD
A:TO-15	200-4737-A-2		200-16914		04/23/2011 00:33	49.7	TAL BUR	PAD

Lab ID: 200-4737-3

Client ID: SL 084

Sample Date/Time: 04/14/2011 22:52

Received Date/Time: 04/18/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-4737-A-3		200-16914		04/23/2011 01:26	1960	TAL BUR	PAD
A:TO-15	200-4737-A-3		200-16914		04/23/2011 01:26	1960	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-16914/4		200-16914		04/22/2011 15:50	1	TAL BUR	PAD
A:TO-15	MB 200-16914/4		200-16914		04/22/2011 15:50	1	TAL BUR	PAD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-16914/3		200-16914		04/22/2011 14:56	1	TAL BUR	PAD
A:TO-15	LCS 200-16914/3		200-16914		04/22/2011 14:56	1	TAL BUR	PAD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: AFP59

TestAmerica Job ID: 200-4737-1
SDG: 200-4737

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington		USDA		P330-11-00093
TestAmerica Burlington	ACCLASS	DoD ELAP	0	ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	Delaware	Delaware DNREC	3	NA
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	State Program	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	Vermont	State Program	1	VT-4000

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

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Matrix: Air Level: Low Lab File ID: bkac003.d
Lab ID: LCS 200-16914/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.54	95	70-130	
Freon 22	10.0	8.84	88	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.48	95	70-130	
Chloromethane	10.0	8.59	86	70-130	
n-Butane	10.0	8.25	83	70-130	
Vinyl chloride	10.0	9.04	90	70-130	
1,3-Butadiene	10.0	9.13	91	70-130	
Bromomethane	10.0	9.25	93	70-130	
Chloroethane	10.0	8.91	89	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.0	100	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
Freon TF	10.0	10.7	107	70-130	
1,1-Dichloroethene	10.0	10.9	109	70-130	
Acetone	10.0	9.17	92	70-130	
Isopropyl alcohol	10.0	8.55	85	70-130	
Carbon disulfide	10.0	9.87	99	70-130	
3-Chloropropene	10.0	8.86	89	70-130	
Methylene Chloride	10.0	9.57	96	70-130	
tert-Butyl alcohol	10.0	8.99	90	70-130	
Methyl tert-butyl ether	10.0	9.76	98	70-130	
trans-1,2-Dichloroethene	10.0	9.41	94	70-130	
n-Hexane	10.0	9.24	92	70-130	
1,1-Dichloroethane	10.0	9.46	95	70-130	
Methyl Ethyl Ketone	10.0	9.80	98	70-130	
cis-1,2-Dichloroethene	10.0	10.2	102	70-130	
Chloroform	10.0	9.75	98	70-130	
Tetrahydrofuran	10.0	8.98	90	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	9.82	98	70-130	
Carbon tetrachloride	10.0	9.91	99	70-130	
2,2,4-Trimethylpentane	10.0	9.44	94	70-130	
Benzene	10.0	9.70	97	70-130	
1,2-Dichloroethane	10.0	9.43	94	70-130	
n-Heptane	10.0	8.83	88	70-130	
Trichloroethene	10.0	9.80	98	70-130	
Methyl methacrylate	10.0	9.52	95	70-130	
1,2-Dichloropropane	10.0	9.30	93	70-130	
1,4-Dioxane	10.0	8.97	90	70-130	
Bromodichloromethane	10.0	10.1	101	70-130	
cis-1,3-Dichloropropene	10.0	9.62	96	70-130	
methyl isobutyl ketone	10.0	8.91	89	70-130	
Toluene	10.0	9.61	96	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Matrix: Air Level: Low Lab File ID: bkac003.d
 Lab ID: LCS 200-16914/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.69	97	70-130	
1,1,2-Trichloroethane	10.0	9.22	92	70-130	
Tetrachloroethene	10.0	9.79	98	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.77	88	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	9.68	97	70-130	
Chlorobenzene	10.0	9.43	94	70-130	
Ethylbenzene	10.0	9.65	97	70-130	
m,p-Xylene	20.0	19.6	98	70-130	
Xylene, o-	10.0	9.61	96	70-130	
Styrene	10.0	9.96	100	70-130	
Bromoform	10.0	11.0	110	70-130	
Cumene	10.0	9.97	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.34	93	70-130	
n-Propylbenzene	10.0	10.1	101	70-130	
4-Ethyltoluene	10.0	10.2	102	70-130	
1,3,5-Trimethylbenzene	10.0	9.76	98	70-130	
2-Chlorotoluene	10.0	10.0	100	70-130	
tert-Butylbenzene	10.0	10.1	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.63	96	70-130	
sec-Butylbenzene	10.0	9.96	100	70-130	
4-Isopropyltoluene	10.0	10.3	103	70-130	
1,3-Dichlorobenzene	10.0	9.85	99	70-130	
1,4-Dichlorobenzene	10.0	9.94	99	70-130	
Benzyl chloride	10.0	10.1	101	70-130	
n-Butylbenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.50	95	70-130	
1,2,4-Trichlorobenzene	10.0	9.87	99	70-130	
Hexachlorobutadiene	10.0	9.85	98	70-130	
Naphthalene	10.0	10.1	101	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Lab File ID: bkac004.d Lab Sample ID: MB 200-16914/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: B.i Date Analyzed: 04/22/2011 15:50
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-16914/3	bkac003.d	04/22/2011 14:56
SL 118	200-4737-1	bkac013.d	04/22/2011 23:41
SL 022	200-4737-2	bkac014.d	04/23/2011 00:33
SL 084	200-4737-3	bkac015.d	04/23/2011 01:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Lab File ID: bka001.d BFB Injection Date: 04/19/2011
 Instrument ID: B.i BFB Injection Time: 10:50
 Analysis Batch No.: 16751

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.0
75	30.0 - 66.0% of mass 95	41.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	95.5
175	4.0 - 9.0 % of mass 174	6.8 (7.2) 1
176	93.0 - 101.0% of mass 174	92.2 (96.6) 1
177	5.0 - 9.0% of mass 176	6.1 (6.6) 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
	IC 200-16751/4	bka004.d	04/19/2011	13:57
	IC 200-16751/5	bka005.d	04/19/2011	14:50
	ICIS 200-16751/6	bka006.d	04/19/2011	15:42
	IC 200-16751/7	bka007.d	04/19/2011	16:34
	IC 200-16751/8	bka008.d	04/19/2011	17:27
	IC 200-16751/9	bka009.d	04/19/2011	18:19
	IC 200-16751/14	bka014.d	04/20/2011	08:43
	ICV 200-16751/16	bka016.d	04/20/2011	10:27

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Lab File ID: bkac001.d BFB Injection Date: 04/22/2011
 Instrument ID: B.i BFB Injection Time: 13:11
 Analysis Batch No.: 16914

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	11.6
75	30.0 - 66.0% of mass 95	40.1
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	0.2 (0.2) 1
174	50.0 - 120.0% of mass 95	98.5
175	4.0 - 9.0 % of mass 174	7.0 (7.1) 1
176	93.0 - 101.0% of mass 174	95.4 (96.8) 1
177	5.0 - 9.0% of mass 176	6.4 (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 200-16914/2	bkac002.d	04/22/2011	14:02
	LCS 200-16914/3	bkac003.d	04/22/2011	14:56
	MB 200-16914/4	bkac004.d	04/22/2011	15:50
SL 118	200-4737-1	bkac013.d	04/22/2011	23:41
SL 022	200-4737-2	bkac014.d	04/23/2011	00:33
SL 084	200-4737-3	bkac015.d	04/23/2011	01:26

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Sample No.: ICIS 200-16751/6 Date Analyzed: 04/19/2011 15:42
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bka006.d Heated Purge: (Y/N) N
 Calibration ID: 6017

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	664703	9.20	3233933	10.61	2984175	14.74
UPPER LIMIT	930584	9.53	4527506	10.94	4177845	15.07
LOWER LIMIT	398822	8.87	1940360	10.28	1790505	14.41
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-16751/16		778014	9.20	3732948	10.61	3415798 14.74

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Sample No.: CCVIS 200-16914/2 Date Analyzed: 04/22/2011 14:02
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bkac002.d Heated Purge: (Y/N) N
 Calibration ID: 6017

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		833406	9.20	4039618	10.61	3757154	14.74
UPPER LIMIT		1166768	9.53	5655465	10.94	5260016	15.07
LOWER LIMIT		500044	8.87	2423771	10.28	2254292	14.41
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-16914/3		889175	9.20	4282632	10.61	3955202	14.74
MB 200-16914/4		895659	9.20	4402278	10.61	3938658	14.74
200-4737-1	SL 118	905356	9.19	4311872	10.61	3793534	14.73
200-4737-2	SL 022	921797	9.20	4517552	10.61	3985037	14.74
200-4737-3	SL 084	884911	9.19	4357559	10.61	3856727	14.73

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
 Matrix: Air Lab File ID: bkac013.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
 Sample wt/vol: 11(mL) Date Analyzed: 04/22/2011 23:41
 Soil Aliquot Vol: _____ Dilution Factor: 18.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.1	U	9.1	0.69
75-45-6	Freon 22	86.47	9.1	U	9.1	0.62
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	3.6	U	3.6	0.58
74-87-3	Chloromethane	50.49	9.1	U	9.1	0.24
106-97-8	n-Butane	58.12	92		9.1	0.20
75-01-4	Vinyl chloride	62.50	3.6	U	3.6	0.53
106-99-0	1,3-Butadiene	54.09	3.6	U	3.6	0.18
74-83-9	Bromomethane	94.94	3.6	U	3.6	0.22
75-00-3	Chloroethane	64.52	9.1	U	9.1	0.29
593-60-2	Bromoethene (Vinyl Bromide)	106.96	3.6	U	3.6	0.35
75-69-4	Trichlorofluoromethane	137.37	3.6	U	3.6	0.62
76-13-1	Freon TF	187.38	5.0		3.6	0.18
75-35-4	1,1-Dichloroethene	96.94	3.6	U	3.6	0.55
67-64-1	Acetone	58.08	91	U	91	0.82
67-63-0	Isopropyl alcohol	60.10	91	U	91	0.67
75-15-0	Carbon disulfide	76.14	9.1	U	9.1	1.2
107-05-1	3-Chloropropene	76.53	9.1	U	9.1	0.35
75-09-2	Methylene Chloride	84.93	9.1	U	9.1	0.24
75-65-0	tert-Butyl alcohol	74.12	91	U	91	1.3
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	3.6	U	3.6	0.58
110-54-3	n-Hexane	86.17	3.6	U	3.6	0.47
75-34-3	1,1-Dichloroethane	98.96	3.6	U	3.6	0.64
78-93-3	Methyl Ethyl Ketone	72.11	9.1	U	9.1	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	3.6	U	3.6	0.25
540-59-0	1,2-Dichloroethene, Total	96.94	3.6	U	3.6	0.25
67-66-3	Chloroform	119.38	3.6	U	3.6	0.56
109-99-9	Tetrahydrofuran	72.11	91	U	91	0.33
71-55-6	1,1,1-Trichloroethane	133.41	300		3.6	0.64
110-82-7	Cyclohexane	84.16	3.6	U	3.6	0.71
56-23-5	Carbon tetrachloride	153.81	3.6	U	3.6	0.60
540-84-1	2,2,4-Trimethylpentane	114.23	3.6	U	3.6	0.66
71-43-2	Benzene	78.11	3.6	U	3.6	0.33
107-06-2	1,2-Dichloroethane	98.96	3.6	U	3.6	0.56
142-82-5	n-Heptane	100.21	3.6	U	3.6	0.18

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
 Matrix: Air Lab File ID: bkac013.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
 Sample wt/vol: 11(mL) Date Analyzed: 04/22/2011 23:41
 Soil Aliquot Vol: Dilution Factor: 18.2
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	250		3.6	0.55
80-62-6	Methyl methacrylate	100.12	9.1	U	9.1	0.24
78-87-5	1,2-Dichloropropane	112.99	3.6	U	3.6	0.25
123-91-1	1,4-Dioxane	88.11	91	U	91	1.6
75-27-4	Bromodichloromethane	163.83	3.6	U	3.6	0.51
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	0.29
108-10-1	methyl isobutyl ketone	100.16	9.1	U	9.1	0.47
108-88-3	Toluene	92.14	3.6	U	3.6	0.33
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	0.36
79-00-5	1,1,2-Trichloroethane	133.41	3.6	U	3.6	0.35
127-18-4	Tetrachloroethene	165.83	3.6	U	3.6	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.1	U	9.1	0.71
124-48-1	Dibromochloromethane	208.29	3.6	U	3.6	0.38
106-93-4	1,2-Dibromoethane	187.87	3.6	U	3.6	0.33
108-90-7	Chlorobenzene	112.30	3.6	U	3.6	0.36
100-41-4	Ethylbenzene	106.17	3.6	U	3.6	0.40
179601-23-1	m,p-Xylene	106.17	9.1	U	9.1	0.87
95-47-6	Xylene, o-	106.17	3.6	U	3.6	0.40
1330-20-7	Xylene (total)	106.17	3.6	U	3.6	0.40
100-42-5	Styrene	104.15	3.6	U	3.6	0.55
75-25-2	Bromoform	252.75	3.6	U	3.6	0.35
98-82-8	Cumene	120.19	3.6	U	3.6	0.56
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.6	U	3.6	0.73
103-65-1	n-Propylbenzene	120.19	3.6	U	3.6	0.91
622-96-8	4-Ethyltoluene	120.20	3.6	U	3.6	0.84
108-67-8	1,3,5-Trimethylbenzene	120.20	3.6	U	3.6	0.93
95-49-8	2-Chlorotoluene	126.59	3.6	U	3.6	0.86
98-06-6	tert-Butylbenzene	134.22	3.6	U	3.6	0.86
95-63-6	1,2,4-Trimethylbenzene	120.20	3.6	U	3.6	0.95
135-98-8	sec-Butylbenzene	134.22	3.6	U	3.6	0.86
99-87-6	4-Isopropyltoluene	134.22	3.6	U	3.6	0.87
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	3.6	0.80
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	0.80
100-44-7	Benzyl chloride	126.58	3.6	U	3.6	0.84
104-51-8	n-Butylbenzene	134.22	3.6	U	3.6	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
Matrix: Air Lab File ID: bkac013.d
Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
Sample wt/vol: 11 (mL) Date Analyzed: 04/22/2011 23:41
Soil Aliquot Vol: _____ Dilution Factor: 18.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	3.6	0.87
120-82-1	1,2,4-Trichlorobenzene	181.45	9.1	U	9.1	0.91
87-68-3	Hexachlorobutadiene	260.76	3.6	U	3.6	1.2
91-20-3	Naphthalene	128.17	9.1	U	9.1	1.6

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
 Matrix: Air Lab File ID: bkac013.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
 Sample wt/vol: 11(mL) Date Analyzed: 04/22/2011 23:41
 Soil Aliquot Vol: _____ Dilution Factor: 18.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	45	U	45	3.4
75-45-6	Freon 22	86.47	32	U	32	2.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	25	U	25	4.1
74-87-3	Chloromethane	50.49	19	U	19	0.49
106-97-8	n-Butane	58.12	220		22	0.48
75-01-4	Vinyl chloride	62.50	9.3	U	9.3	1.3
106-99-0	1,3-Butadiene	54.09	8.1	U	8.1	0.40
74-83-9	Bromomethane	94.94	14	U	14	0.85
75-00-3	Chloroethane	64.52	24	U	24	0.77
593-60-2	Bromoethene (Vinyl Bromide)	106.96	16	U	16	1.5
75-69-4	Trichlorofluoromethane	137.37	20	U	20	3.5
76-13-1	Freon TF	187.38	38		28	1.4
75-35-4	1,1-Dichloroethene	96.94	14	U	14	2.2
67-64-1	Acetone	58.08	220	U	220	1.9
67-63-0	Isopropyl alcohol	60.10	220	U	220	1.7
75-15-0	Carbon disulfide	76.14	28	U	28	3.7
107-05-1	3-Chloropropene	76.53	28	U	28	1.1
75-09-2	Methylene Chloride	84.93	32	U	32	0.82
75-65-0	tert-Butyl alcohol	74.12	280	U	280	3.9
1634-04-4	Methyl tert-butyl ether	88.15	13	U	13	1.0
156-60-5	trans-1,2-Dichloroethene	96.94	14	U	14	2.3
110-54-3	n-Hexane	86.17	13	U	13	1.7
75-34-3	1,1-Dichloroethane	98.96	15	U	15	2.6
78-93-3	Methyl Ethyl Ketone	72.11	27	U	27	0.91
156-59-2	cis-1,2-Dichloroethene	96.94	14	U	14	1.0
540-59-0	1,2-Dichloroethene, Total	96.94	14	U	14	1.0
67-66-3	Chloroform	119.38	18	U	18	2.8
109-99-9	Tetrahydrofuran	72.11	270	U	270	0.97
71-55-6	1,1,1-Trichloroethane	133.41	1700		20	3.5
110-82-7	Cyclohexane	84.16	13	U	13	2.4
56-23-5	Carbon tetrachloride	153.81	23	U	23	3.8
540-84-1	2,2,4-Trimethylpentane	114.23	17	U	17	3.1
71-43-2	Benzene	78.11	12	U	12	1.0
107-06-2	1,2-Dichloroethane	98.96	15	U	15	2.3
142-82-5	n-Heptane	100.21	15	U	15	0.75

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
 Matrix: Air Lab File ID: bkac013.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
 Sample wt/vol: 11(mL) Date Analyzed: 04/22/2011 23:41
 Soil Aliquot Vol: _____ Dilution Factor: 18.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1300		20	2.9
80-62-6	Methyl methacrylate	100.12	37	U	37	0.97
78-87-5	1,2-Dichloropropane	112.99	17	U	17	1.2
123-91-1	1,4-Dioxane	88.11	330	U	330	5.8
75-27-4	Bromodichloromethane	163.83	24	U	24	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	17	U	17	1.3
108-10-1	methyl isobutyl ketone	100.16	37	U	37	1.9
108-88-3	Toluene	92.14	14	U	14	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	17	U	17	1.7
79-00-5	1,1,2-Trichloroethane	133.41	20	U	20	1.9
127-18-4	Tetrachloroethene	165.83	25	U	25	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	37	U	37	2.9
124-48-1	Dibromochloromethane	208.29	31	U	31	3.3
106-93-4	1,2-Dibromoethane	187.87	28	U	28	2.5
108-90-7	Chlorobenzene	112.30	17	U	17	1.7
100-41-4	Ethylbenzene	106.17	16	U	16	1.7
179601-23-1	m,p-Xylene	106.17	40	U	40	3.8
95-47-6	Xylene, o-	106.17	16	U	16	1.7
1330-20-7	Xylene (total)	106.17	16	U	16	1.7
100-42-5	Styrene	104.15	16	U	16	2.3
75-25-2	Bromoform	252.75	38	U	38	3.6
98-82-8	Cumene	120.19	18	U	18	2.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	25	U	25	5.0
103-65-1	n-Propylbenzene	120.19	18	U	18	4.5
622-96-8	4-Ethyltoluene	120.20	18	U	18	4.1
108-67-8	1,3,5-Trimethylbenzene	120.20	18	U	18	4.6
95-49-8	2-Chlorotoluene	126.59	19	U	19	4.4
98-06-6	tert-Butylbenzene	134.22	20	U	20	4.7
95-63-6	1,2,4-Trimethylbenzene	120.20	18	U	18	4.7
135-98-8	sec-Butylbenzene	134.22	20	U	20	4.7
99-87-6	4-Isopropyltoluene	134.22	20	U	20	4.8
541-73-1	1,3-Dichlorobenzene	147.00	22	U	22	4.8
106-46-7	1,4-Dichlorobenzene	147.00	22	U	22	4.8
100-44-7	Benzyl chloride	126.58	19	U	19	4.3
104-51-8	n-Butylbenzene	134.22	20	U	20	5.5

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 118 Lab Sample ID: 200-4737-1
Matrix: Air Lab File ID: bkac013.d
Analysis Method: TO-15 Date Collected: 04/14/2011 19:45
Sample wt/vol: 11 (mL) Date Analyzed: 04/22/2011 23:41
Soil Aliquot Vol: _____ Dilution Factor: 18.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	22	U	22	5.3
120-82-1	1,2,4-Trichlorobenzene	181.45	68	U	68	6.8
87-68-3	Hexachlorobutadiene	260.76	39	U	39	13
91-20-3	Naphthalene	128.17	48	U	48	8.2

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4737-1
Client Smp ID: SL 118
Inj Date : 22-APR-2011 23:41
Operator : pad
Smp Info : 200-4737-A-1
Misc Info : 11,18.2, all74
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 24-Apr-2011 10:04 klp
Cal Date : 20-APR-2011 08:43
Als bottle: 8
Dil Factor: 18.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	18.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	11.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43	3.248	3.488	(0.353)	237162	5.06548	92
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.799	5.788	(0.631)	47935	0.27224	5.0
19 1,1-Dichloroethene	96	5.853	5.852	(0.637)	7465	0.08825	1.6(aQ)
20 Acetone	43	6.093	6.045	(0.663)	93551	1.04212	19(a)
21 Carbon disulfide	76				Compound Not Detected.		

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.402	6.322	(0.696)		95262	1.30611	24(a)
23 Allyl chloride	41		Compound Not Detected.						
25 Methylene chloride	49		6.808	6.802	(0.740)		12493	0.17050	3.1(a)
26 Tert-butyl alcohol	59		Compound Not Detected.						
27 Methyl tert-butyl ether	73		Compound Not Detected.						
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 1,1-Dichloroethane	63		Compound Not Detected.						
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.						
34 1,2-Dichloroethene (cis)	96		Compound Not Detected.						
36 Methyl Ethyl Ketone	72		8.921	8.857	(0.970)		5214	0.12777	2.3(aQ)
* 37 Bromochloromethane	128		9.193	9.199	(1.000)		905356	10.0000	(Q)
38 Tetrahydrofuran	42		Compound Not Detected.						
39 Chloroform	83		9.284	9.284	(1.010)		17315	0.10001	1.8(a)
40 Cyclohexane	84		Compound Not Detected.						
41 1,1,1-Trichloroethane	97		9.519	9.524	(0.897)		3052449	16.6846	300
42 Carbon tetrachloride	117		Compound Not Detected.						
43 2,2,4-Trimethylpentane	57		Compound Not Detected.						
44 Benzene	78		Compound Not Detected.						
45 1,2-Dichloroethane	62		Compound Not Detected.						
46 n-Heptane	43		Compound Not Detected.						
* 47 1,4-Difluorobenzene	114		10.608	10.608	(1.000)		4311872	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)		1679332	13.6066	250
50 1,2-Dichloropropane	63		Compound Not Detected.						
51 Methyl methacrylate	69		Compound Not Detected.						
53 1,4-Dioxane	88		Compound Not Detected.						
54 Bromodichloromethane	83		Compound Not Detected.						
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.						
56 Methyl isobutyl ketone	43		Compound Not Detected.						
58 Toluene	92		12.758	12.748	(0.866)		23934	0.12030	2.2(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.						
60 1,1,2-Trichloroethane	83		Compound Not Detected.						
61 Tetrachloroethene	166		13.516	13.516	(0.917)		19349	0.11009	2.0(a)
62 2-Hexanone	43		Compound Not Detected.						
63 Dibromochloromethane	129		Compound Not Detected.						
64 1,2-Dibromoethane	107		Compound Not Detected.						
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)		3793534	10.0000	
66 Chlorobenzene	112		Compound Not Detected.						
68 Ethylbenzene	91		Compound Not Detected.						
69 Xylene (m,p)	106		Compound Not Detected.						
M 70 Xylenes, Total	106		Compound Not Detected.						
71 Xylene (o)	106		Compound Not Detected.						
72 Styrene	104		Compound Not Detected.						
73 Bromoform	173		Compound Not Detected.						
74 Isopropylbenzene	105		Compound Not Detected.						
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
76 n-Propylbenzene	91		Compound Not Detected.						

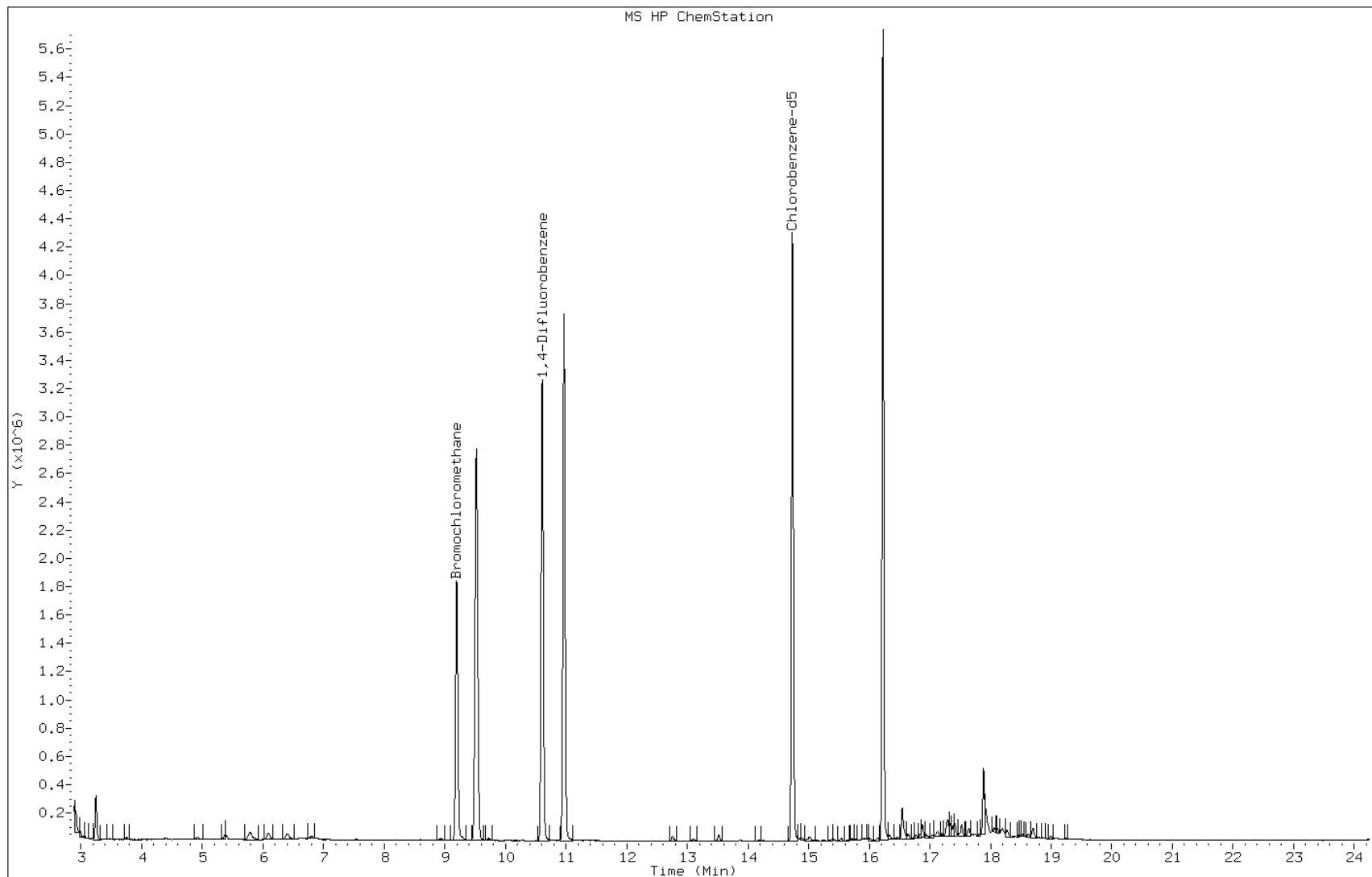
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: bkac013.d
Client ID: SL 118
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4737-A-1
Lab Sample ID: 200-4737-1

Date: 22-APR-2011 23:41
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkac013.d

Lab Sample ID: 200-4737-1

Date: 22-APR-2011 23:41

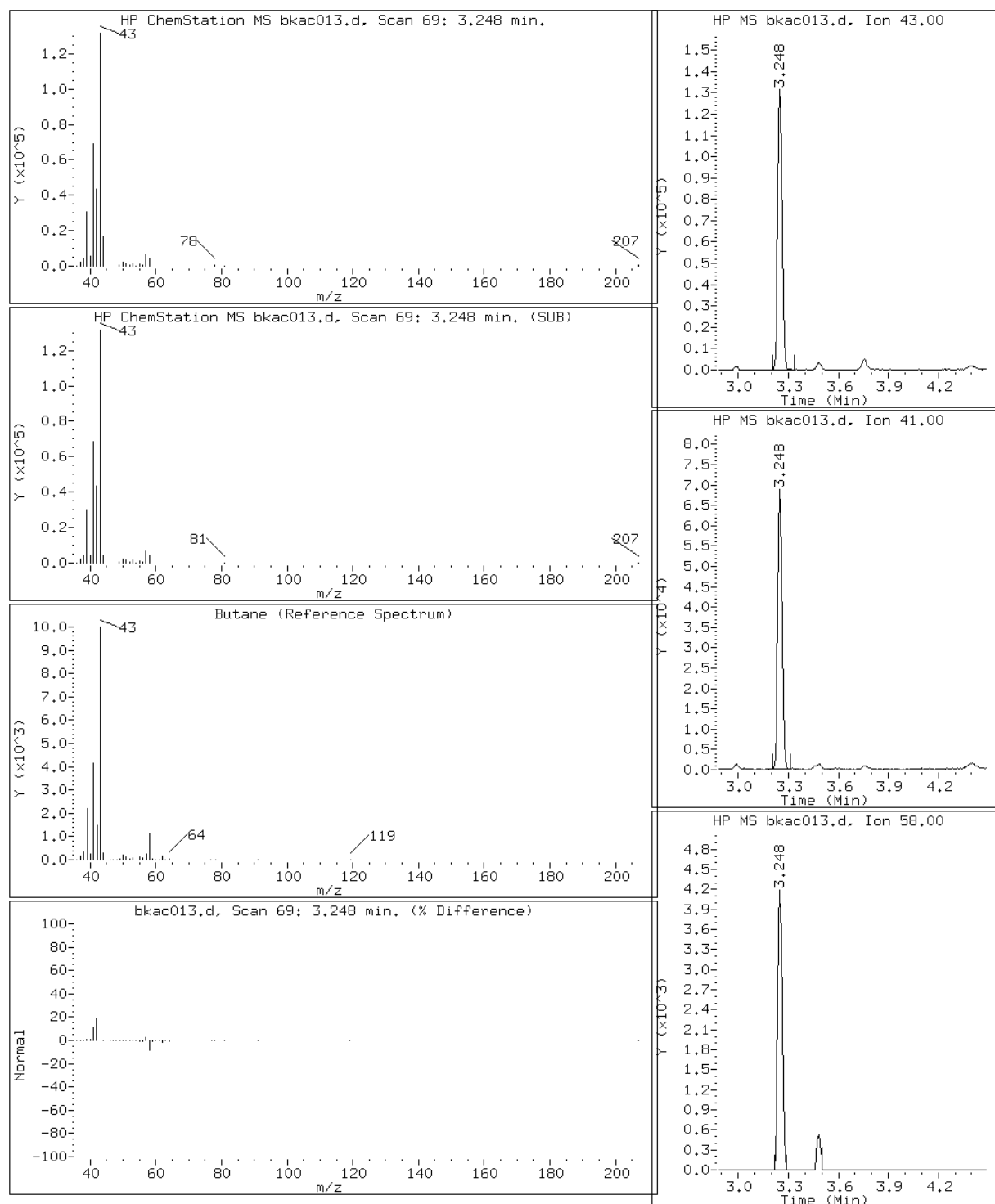
Client ID: SL 118

Instrument: B.i

Sample Info: 200-4737-A-1

Operator: pad

6 Butane



Data File: bkac013.d

Lab Sample ID: 200-4737-1

Date: 22-APR-2011 23:41

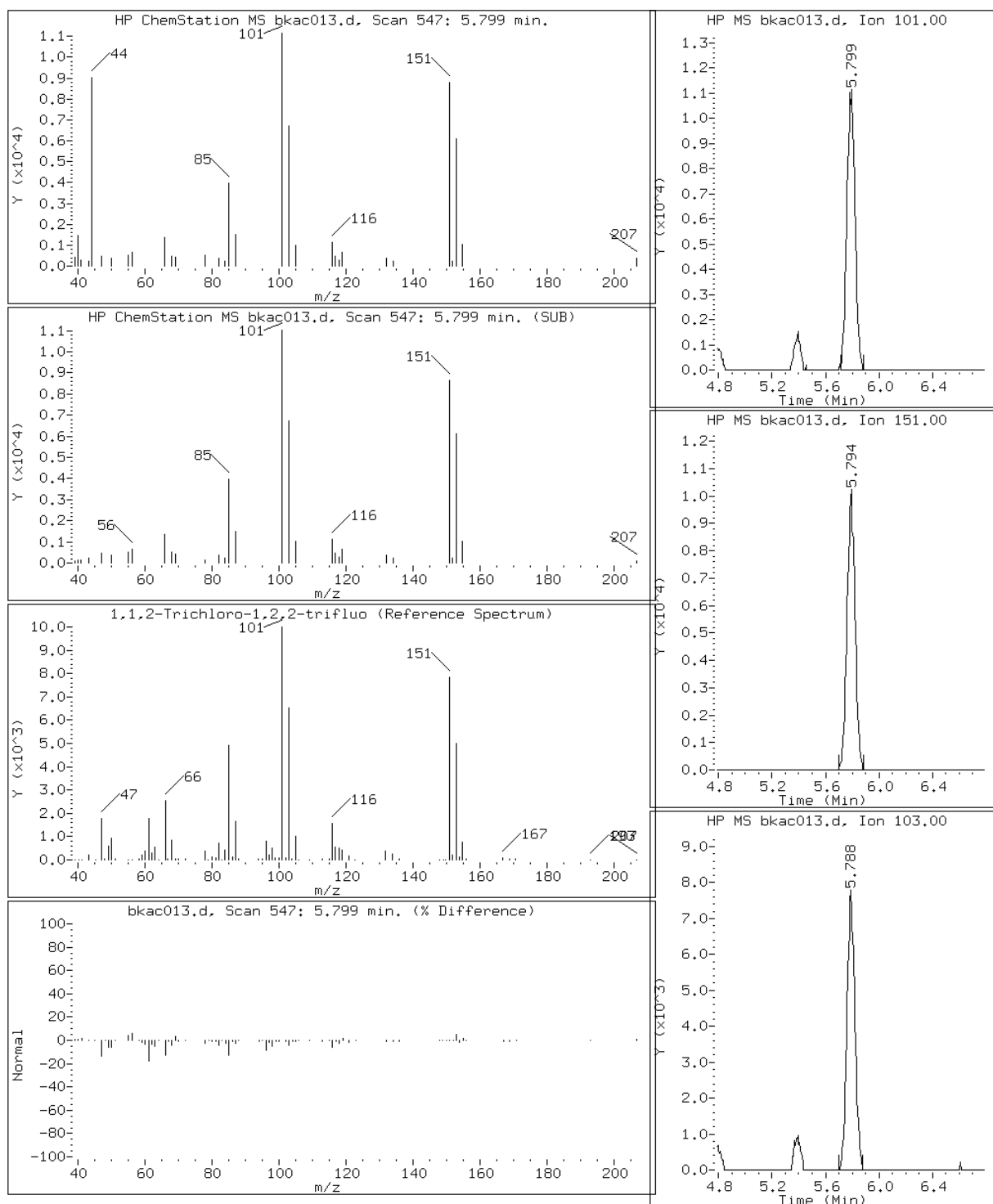
Client ID: SL 118

Instrument: B.i

Sample Info: 200-4737-A-1

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



Data File: bkac013.d

Lab Sample ID: 200-4737-1

Date: 22-APR-2011 23:41

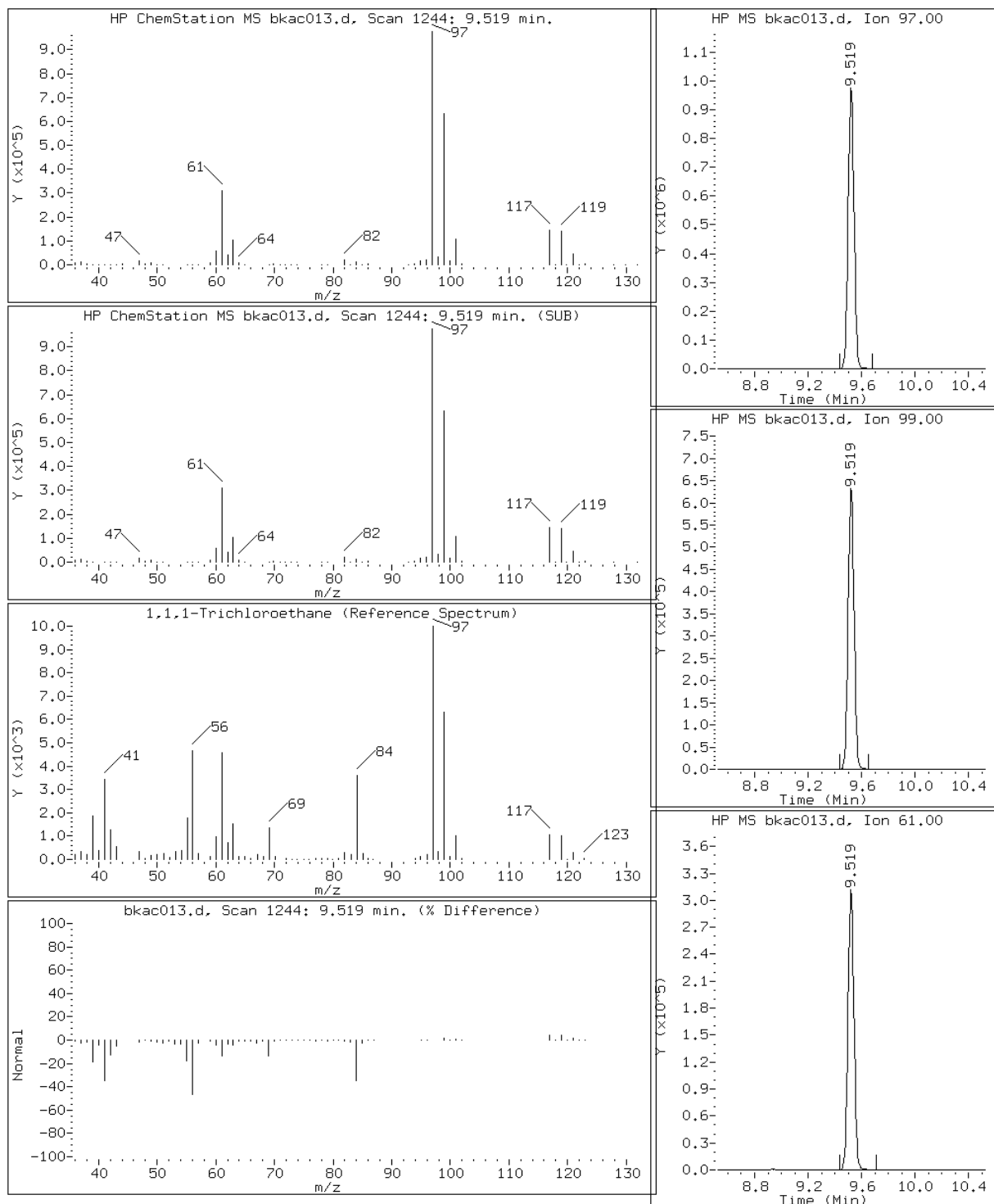
Client ID: SL 118

Instrument: B.i

Sample Info: 200-4737-A-1

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkac013.d

Lab Sample ID: 200-4737-1

Date: 22-APR-2011 23:41

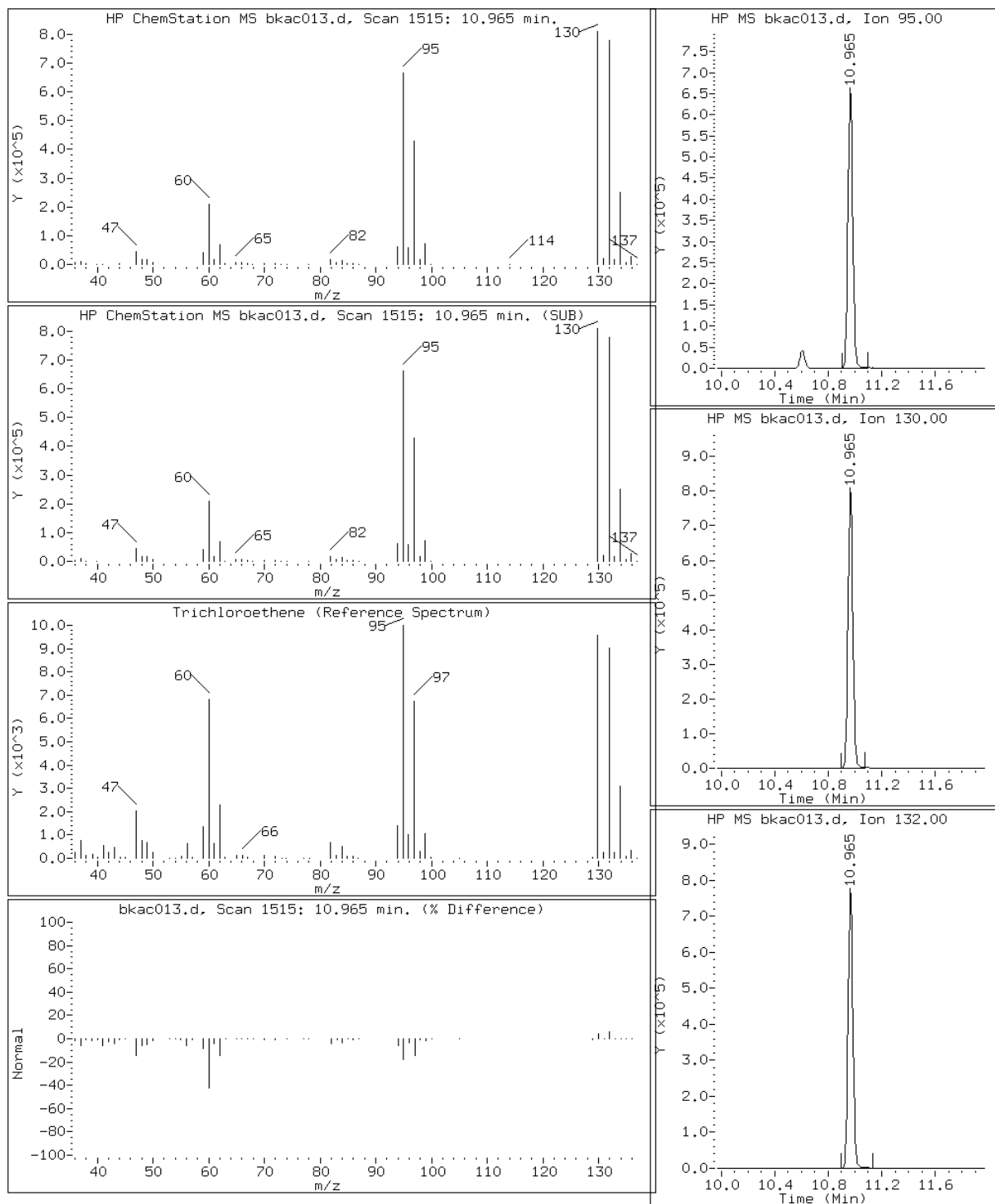
Client ID: SL 118

Instrument: B.i

Sample Info: 200-4737-A-1

Operator: pad

49 Trichloroethene



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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
 Matrix: Air Lab File ID: bkac014.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
 Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
 Soil Aliquot Vol: _____ Dilution Factor: 49.7
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	1.9
75-45-6	Freon 22	86.47	25	U	25	1.7
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.9	U	9.9	1.6
74-87-3	Chloromethane	50.49	25	U	25	0.65
106-97-8	n-Butane	58.12	25	U	25	0.55
75-01-4	Vinyl chloride	62.50	9.9	U	9.9	1.4
106-99-0	1,3-Butadiene	54.09	9.9	U	9.9	0.50
74-83-9	Bromomethane	94.94	9.9	U	9.9	0.60
75-00-3	Chloroethane	64.52	25	U	25	0.80
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.9	U	9.9	0.94
75-69-4	Trichlorofluoromethane	137.37	9.9	U	9.9	1.7
76-13-1	Freon TF	187.38	35		9.9	0.50
75-35-4	1,1-Dichloroethene	96.94	9.9	U	9.9	1.5
67-64-1	Acetone	58.08	250	U	250	2.2
67-63-0	Isopropyl alcohol	60.10	250	U	250	1.8
75-15-0	Carbon disulfide	76.14	25	U	25	3.3
107-05-1	3-Chloropropene	76.53	25	U	25	0.94
75-09-2	Methylene Chloride	84.93	25	U	25	0.65
75-65-0	tert-Butyl alcohol	74.12	250	U	250	3.5
1634-04-4	Methyl tert-butyl ether	88.15	9.9	U	9.9	0.80
156-60-5	trans-1,2-Dichloroethene	96.94	9.9	U	9.9	1.6
110-54-3	n-Hexane	86.17	9.9	U	9.9	1.3
75-34-3	1,1-Dichloroethane	98.96	9.9	U	9.9	1.7
78-93-3	Methyl Ethyl Ketone	72.11	25	U	25	0.84
156-59-2	cis-1,2-Dichloroethene	96.94	9.9	U	9.9	0.70
540-59-0	1,2-Dichloroethene, Total	96.94	9.9	U	9.9	0.70
67-66-3	Chloroform	119.38	9.9	U	9.9	1.5
109-99-9	Tetrahydrofuran	72.11	250	U	250	0.89
71-55-6	1,1,1-Trichloroethane	133.41	87		9.9	1.7
110-82-7	Cyclohexane	84.16	9.9	U	9.9	1.9
56-23-5	Carbon tetrachloride	153.81	9.9	U	9.9	1.6
540-84-1	2,2,4-Trimethylpentane	114.23	9.9	U	9.9	1.8
71-43-2	Benzene	78.11	9.9	U	9.9	0.89
107-06-2	1,2-Dichloroethane	98.96	9.9	U	9.9	1.5
142-82-5	n-Heptane	100.21	9.9	U	9.9	0.50

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
 Matrix: Air Lab File ID: bkac014.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
 Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
 Soil Aliquot Vol: Dilution Factor: 49.7
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	930		9.9	1.5
80-62-6	Methyl methacrylate	100.12	25	U	25	0.65
78-87-5	1,2-Dichloropropane	112.99	9.9	U	9.9	0.70
123-91-1	1,4-Dioxane	88.11	250	U	250	4.4
75-27-4	Bromodichloromethane	163.83	9.9	U	9.9	1.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.9	U	9.9	0.80
108-10-1	methyl isobutyl ketone	100.16	25	U	25	1.3
108-88-3	Toluene	92.14	9.9	U	9.9	0.89
10061-02-6	trans-1,3-Dichloropropene	110.97	9.9	U	9.9	0.99
79-00-5	1,1,2-Trichloroethane	133.41	9.9	U	9.9	0.94
127-18-4	Tetrachloroethene	165.83	9.9	U	9.9	0.55
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	25	U	25	1.9
124-48-1	Dibromochloromethane	208.29	9.9	U	9.9	1.0
106-93-4	1,2-Dibromoethane	187.87	9.9	U	9.9	0.89
108-90-7	Chlorobenzene	112.30	9.9	U	9.9	0.99
100-41-4	Ethylbenzene	106.17	9.9	U	9.9	1.1
179601-23-1	m,p-Xylene	106.17	25	U	25	2.4
95-47-6	Xylene, o-	106.17	9.9	U	9.9	1.1
1330-20-7	Xylene (total)	106.17	9.9	U	9.9	1.1
100-42-5	Styrene	104.15	9.9	U	9.9	1.5
75-25-2	Bromoform	252.75	9.9	U	9.9	0.94
98-82-8	Cumene	120.19	9.9	U	9.9	1.5
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.9	U	9.9	2.0
103-65-1	n-Propylbenzene	120.19	9.9	U	9.9	2.5
622-96-8	4-Ethyltoluene	120.20	9.9	U	9.9	2.3
108-67-8	1,3,5-Trimethylbenzene	120.20	9.9	U	9.9	2.5
95-49-8	2-Chlorotoluene	126.59	9.9	U	9.9	2.3
98-06-6	tert-Butylbenzene	134.22	9.9	U	9.9	2.3
95-63-6	1,2,4-Trimethylbenzene	120.20	9.9	U	9.9	2.6
135-98-8	sec-Butylbenzene	134.22	9.9	U	9.9	2.3
99-87-6	4-Isopropyltoluene	134.22	9.9	U	9.9	2.4
541-73-1	1,3-Dichlorobenzene	147.00	9.9	U	9.9	2.2
106-46-7	1,4-Dichlorobenzene	147.00	9.9	U	9.9	2.2
100-44-7	Benzyl chloride	126.58	9.9	U	9.9	2.3
104-51-8	n-Butylbenzene	134.22	9.9	U	9.9	2.7

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
Matrix: Air Lab File ID: bkac014.d
Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
Soil Aliquot Vol: _____ Dilution Factor: 49.7
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.9	U	9.9	2.4
120-82-1	1,2,4-Trichlorobenzene	181.45	25	U	25	2.5
87-68-3	Hexachlorobutadiene	260.76	9.9	U	9.9	3.2
91-20-3	Naphthalene	128.17	25	U	25	4.3

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
 Matrix: Air Lab File ID: bkac014.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
 Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
 Soil Aliquot Vol: Dilution Factor: 49.7
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	120	U	120	9.3
75-45-6	Freon 22	86.47	88	U	88	6.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	69	U	69	11
74-87-3	Chloromethane	50.49	51	U	51	1.3
106-97-8	n-Butane	58.12	59	U	59	1.3
75-01-4	Vinyl chloride	62.50	25	U	25	3.7
106-99-0	1,3-Butadiene	54.09	22	U	22	1.1
74-83-9	Bromomethane	94.94	39	U	39	2.3
75-00-3	Chloroethane	64.52	66	U	66	2.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	43	U	43	4.1
75-69-4	Trichlorofluoromethane	137.37	56	U	56	9.5
76-13-1	Freon TF	187.38	270		76	3.8
75-35-4	1,1-Dichloroethene	96.94	39	U	39	5.9
67-64-1	Acetone	58.08	590	U	590	5.3
67-63-0	Isopropyl alcohol	60.10	610	U	610	4.5
75-15-0	Carbon disulfide	76.14	77	U	77	10
107-05-1	3-Chloropropene	76.53	78	U	78	3.0
75-09-2	Methylene Chloride	84.93	86	U	86	2.2
75-65-0	tert-Butyl alcohol	74.12	750	U	750	11
1634-04-4	Methyl tert-butyl ether	88.15	36	U	36	2.9
156-60-5	trans-1,2-Dichloroethene	96.94	39	U	39	6.3
110-54-3	n-Hexane	86.17	35	U	35	4.6
75-34-3	1,1-Dichloroethane	98.96	40	U	40	7.0
78-93-3	Methyl Ethyl Ketone	72.11	73	U	73	2.5
156-59-2	cis-1,2-Dichloroethene	96.94	39	U	39	2.8
540-59-0	1,2-Dichloroethene, Total	96.94	39	U	39	2.8
67-66-3	Chloroform	119.38	49	U	49	7.5
109-99-9	Tetrahydrofuran	72.11	730	U	730	2.6
71-55-6	1,1,1-Trichloroethane	133.41	470		54	9.5
110-82-7	Cyclohexane	84.16	34	U	34	6.7
56-23-5	Carbon tetrachloride	153.81	63	U	63	10
540-84-1	2,2,4-Trimethylpentane	114.23	46	U	46	8.4
71-43-2	Benzene	78.11	32	U	32	2.9
107-06-2	1,2-Dichloroethane	98.96	40	U	40	6.2
142-82-5	n-Heptane	100.21	41	U	41	2.0

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
 Matrix: Air Lab File ID: bkac014.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
 Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
 Soil Aliquot Vol: Dilution Factor: 49.7
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	5000		53	8.0
80-62-6	Methyl methacrylate	100.12	100	U	100	2.6
78-87-5	1,2-Dichloropropane	112.99	46	U	46	3.2
123-91-1	1,4-Dioxane	88.11	900	U	900	16
75-27-4	Bromodichloromethane	163.83	67	U	67	9.3
10061-01-5	cis-1,3-Dichloropropene	110.97	45	U	45	3.6
108-10-1	methyl isobutyl ketone	100.16	100	U	100	5.3
108-88-3	Toluene	92.14	37	U	37	3.4
10061-02-6	trans-1,3-Dichloropropene	110.97	45	U	45	4.5
79-00-5	1,1,2-Trichloroethane	133.41	54	U	54	5.2
127-18-4	Tetrachloroethene	165.83	67	U	67	3.7
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	100	U	100	7.9
124-48-1	Dibromochloromethane	208.29	85	U	85	8.9
106-93-4	1,2-Dibromoethane	187.87	76	U	76	6.9
108-90-7	Chlorobenzene	112.30	46	U	46	4.6
100-41-4	Ethylbenzene	106.17	43	U	43	4.7
179601-23-1	m,p-Xylene	106.17	110	U	110	10
95-47-6	Xylene, o-	106.17	43	U	43	4.7
1330-20-7	Xylene (total)	106.17	43	U	43	4.7
100-42-5	Styrene	104.15	42	U	42	6.4
75-25-2	Bromoform	252.75	100	U	100	9.8
98-82-8	Cumene	120.19	49	U	49	7.6
79-34-5	1,1,2,2-Tetrachloroethane	167.85	68	U	68	14
103-65-1	n-Propylbenzene	120.19	49	U	49	12
622-96-8	4-Ethyltoluene	120.20	49	U	49	11
108-67-8	1,3,5-Trimethylbenzene	120.20	49	U	49	12
95-49-8	2-Chlorotoluene	126.59	51	U	51	12
98-06-6	tert-Butylbenzene	134.22	55	U	55	13
95-63-6	1,2,4-Trimethylbenzene	120.20	49	U	49	13
135-98-8	sec-Butylbenzene	134.22	55	U	55	13
99-87-6	4-Isopropyltoluene	134.22	55	U	55	13
541-73-1	1,3-Dichlorobenzene	147.00	60	U	60	13
106-46-7	1,4-Dichlorobenzene	147.00	60	U	60	13
100-44-7	Benzyl chloride	126.58	51	U	51	12
104-51-8	n-Butylbenzene	134.22	55	U	55	15

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 022 Lab Sample ID: 200-4737-2
Matrix: Air Lab File ID: bkac014.d
Analysis Method: TO-15 Date Collected: 04/14/2011 21:05
Sample wt/vol: 19(mL) Date Analyzed: 04/23/2011 00:33
Soil Aliquot Vol: _____ Dilution Factor: 49.7
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	60	U	60	14
120-82-1	1,2,4-Trichlorobenzene	181.45	180	U	180	18
87-68-3	Hexachlorobutadiene	260.76	110	U	110	34
91-20-3	Naphthalene	128.17	130	U	130	22

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4737-2
Client Smp ID: SL 022
Inj Date : 23-APR-2011 00:33
Operator : pad
Smp Info : 200-4737-A-2
Misc Info : 19,49.7, all74 cdf4.72
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 24-Apr-2011 10:04 klp
Cal Date : 20-APR-2011 08:43
Als bottle: 9
Dil Factor: 49.70000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i

Quant Type: ISTD

Cal File: bka014.d

Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	49.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	19.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
6 Butane	43						
7 Vinyl chloride	62						
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101	4.806	4.801	(0.522)	37887	0.17124	8.5(aM)
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	127324	0.71023	35
19 1,1-Dichloroethene	96						
20 Acetone	43						

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====	=====
21 Carbon disulfide	76							Compound Not Detected.		
22 Isopropanol	45							Compound Not Detected.		
23 Allyl chloride	41							Compound Not Detected.		
25 Methylene chloride	49							Compound Not Detected.		
26 Tert-butyl alcohol	59							Compound Not Detected.		
27 Methyl tert-butyl ether	73							Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61							Compound Not Detected.		
30 n-Hexane	57							Compound Not Detected.		
31 1,1-Dichloroethane	63							Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61							Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96							Compound Not Detected.		
36 Methyl Ethyl Ketone	72							Compound Not Detected.		
* 37 Bromochloromethane	128		9.199	9.199	(1.000)			921797	10.0000	
38 Tetrahydrofuran	42							Compound Not Detected.		
39 Chloroform	83		9.284	9.284	(1.009)			19129	0.10852	5.4(a)
40 Cyclohexane	84							Compound Not Detected.		
41 1,1,1-Trichloroethane	97		9.524	9.524	(0.898)			334451	1.74487	87
42 Carbon tetrachloride	117							Compound Not Detected.		
43 2,2,4-Trimethylpentane	57							Compound Not Detected.		
44 Benzene	78							Compound Not Detected.		
45 1,2-Dichloroethane	62							Compound Not Detected.		
46 n-Heptane	43							Compound Not Detected.		
* 47 1,4-Difluorobenzene	114		10.608	10.608	(1.000)			4517552	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)			2410920	18.6449	930
50 1,2-Dichloropropane	63							Compound Not Detected.		
51 Methyl methacrylate	69							Compound Not Detected.		
53 1,4-Dioxane	88							Compound Not Detected.		
54 Bromodichloromethane	83							Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75							Compound Not Detected.		
56 Methyl isobutyl ketone	43							Compound Not Detected.		
58 Toluene	92							Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75							Compound Not Detected.		
60 1,1,2-Trichloroethane	83							Compound Not Detected.		
61 Tetrachloroethene	166		13.522	13.516	(0.917)			8172	0.04426	2.2(a)
62 2-Hexanone	43							Compound Not Detected.		
63 Dibromochloromethane	129							Compound Not Detected.		
64 1,2-Dibromoethane	107							Compound Not Detected.		
* 65 Chlorobenzene-d5	117		14.738	14.738	(1.000)			3985037	10.0000	
66 Chlorobenzene	112							Compound Not Detected.		
68 Ethylbenzene	91							Compound Not Detected.		
69 Xylene (m,p)	106							Compound Not Detected.		
M 70 Xylenes, Total	106							Compound Not Detected.		
71 Xylene (o)	106							Compound Not Detected.		
72 Styrene	104							Compound Not Detected.		
73 Bromoform	173							Compound Not Detected.		
74 Isopropylbenzene	105							Compound Not Detected.		
75 1,1,1,2,2-Tetrachloroethane	83							Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

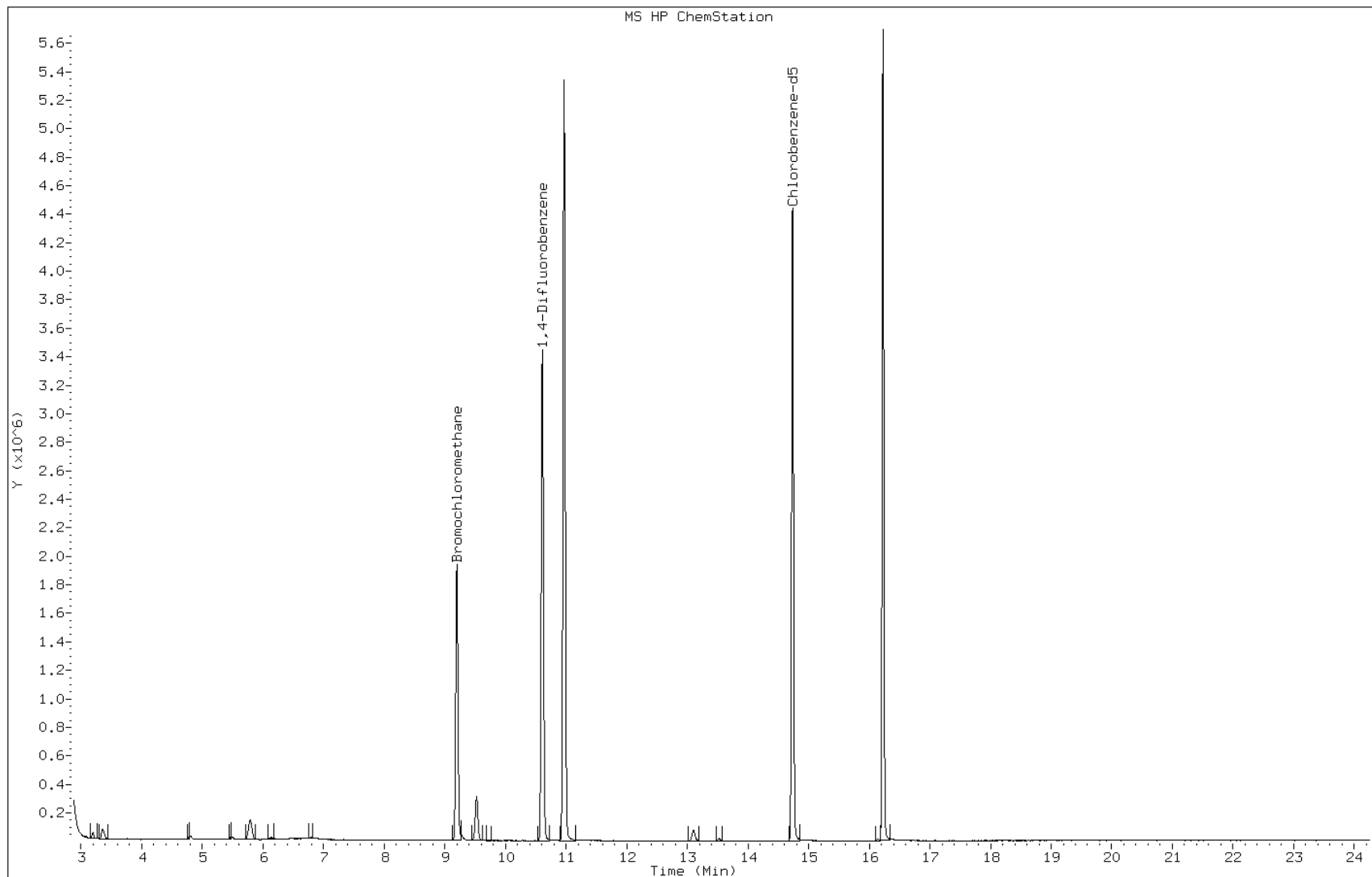
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: bkac014.d
Client ID: SL 022
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4737-A-2
Lab Sample ID: 200-4737-2

Date: 23-APR-2011 00:33
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkac014.d

Lab Sample ID: 200-4737-2

Date: 23-APR-2011 00:33

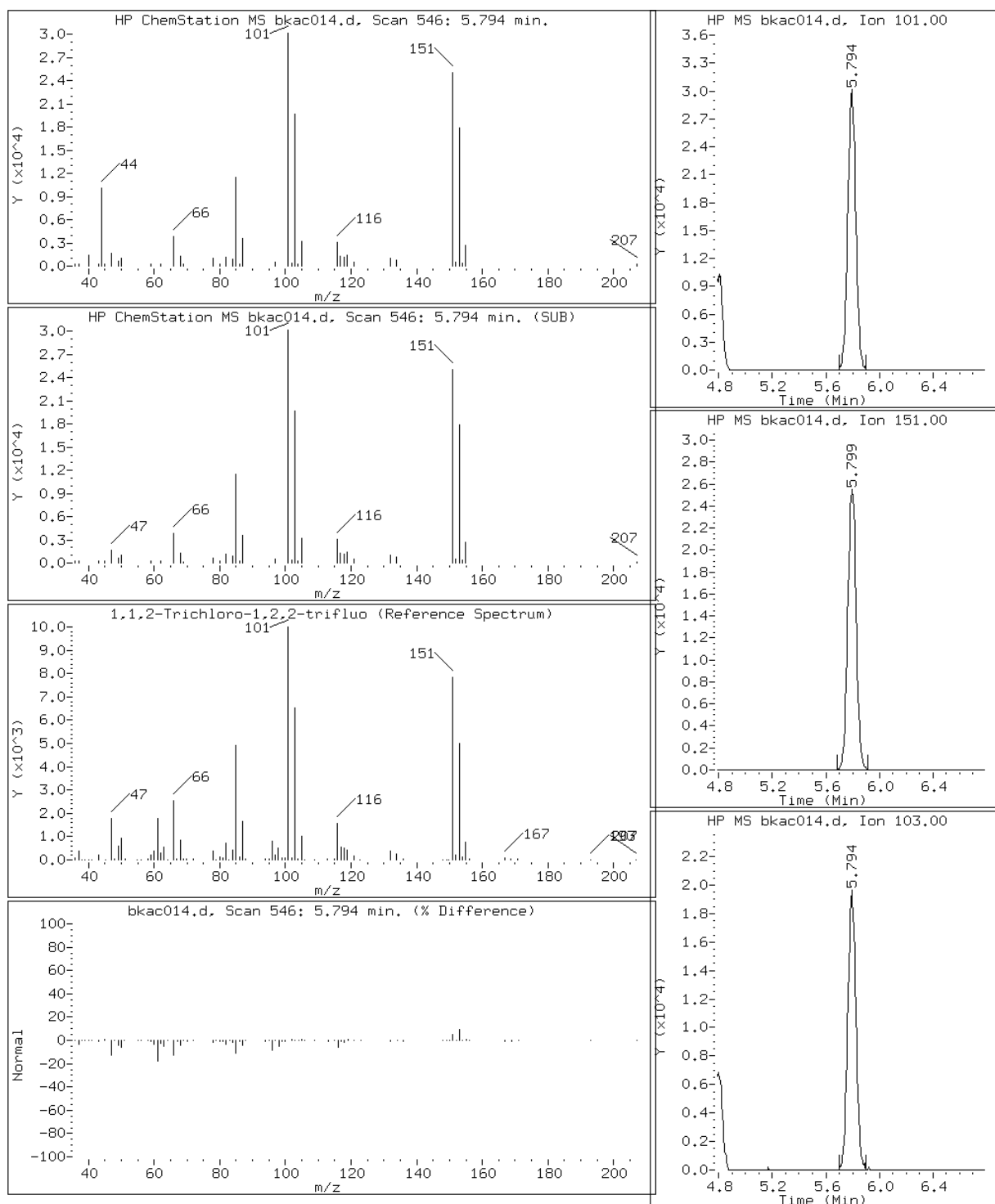
Client ID: SL 022

Instrument: B.i

Sample Info: 200-4737-A-2

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



Data File: bkac014.d

Lab Sample ID: 200-4737-2

Date: 23-APR-2011 00:33

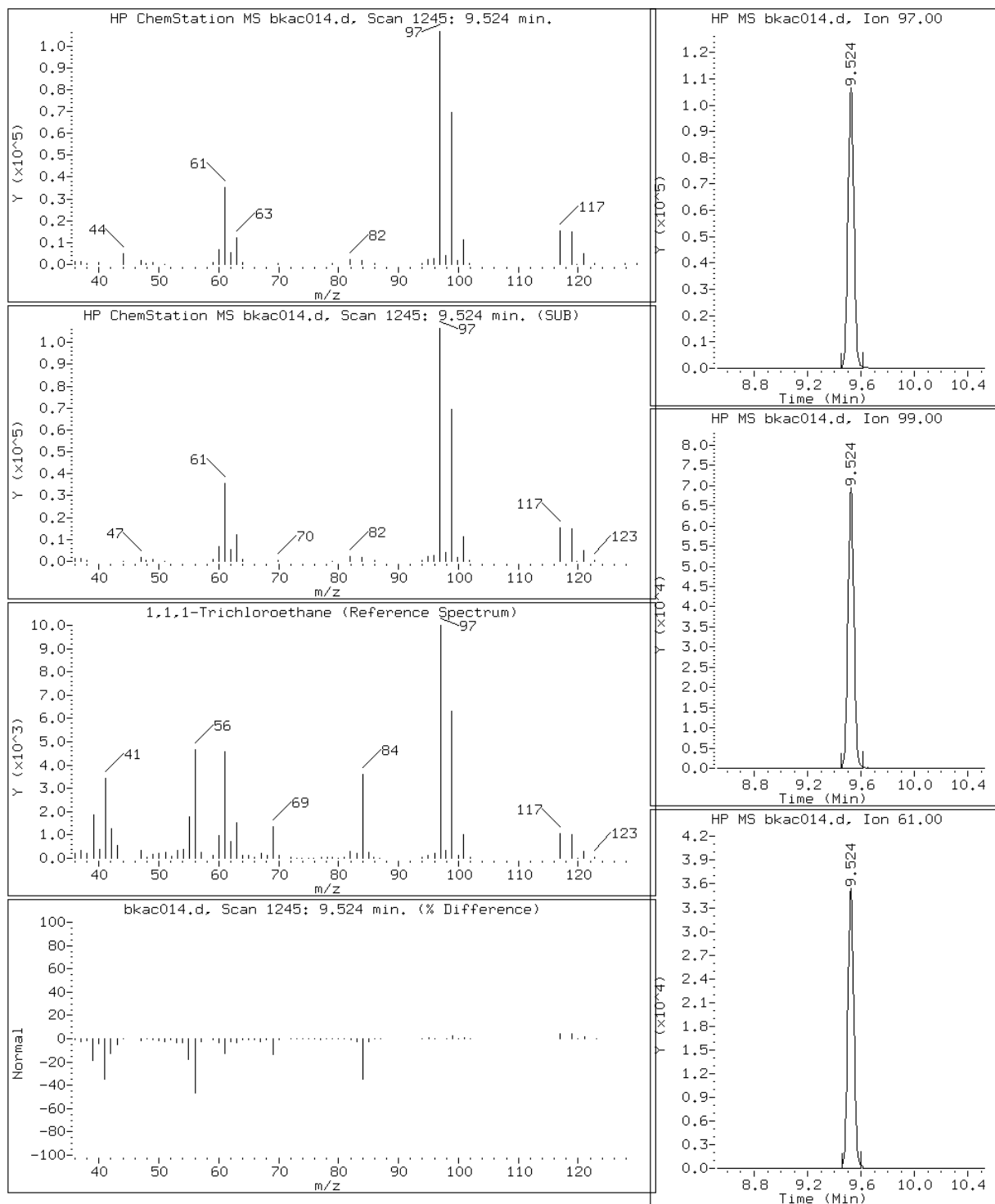
Client ID: SL 022

Instrument: B.i

Sample Info: 200-4737-A-2

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkac014.d

Lab Sample ID: 200-4737-2

Date: 23-APR-2011 00:33

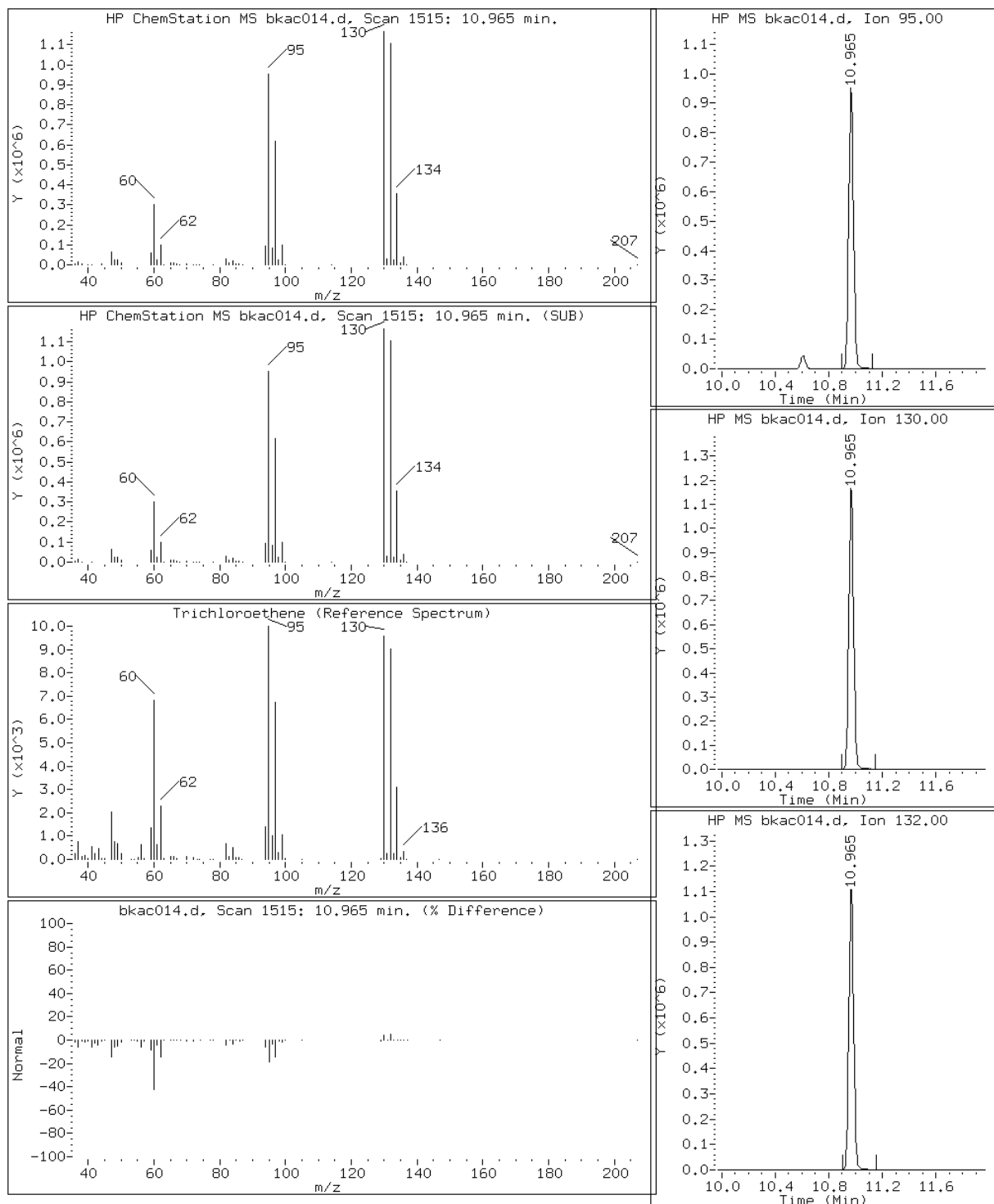
Client ID: SL 022

Instrument: B.i

Sample Info: 200-4737-A-2

Operator: pad

49 Trichloroethene

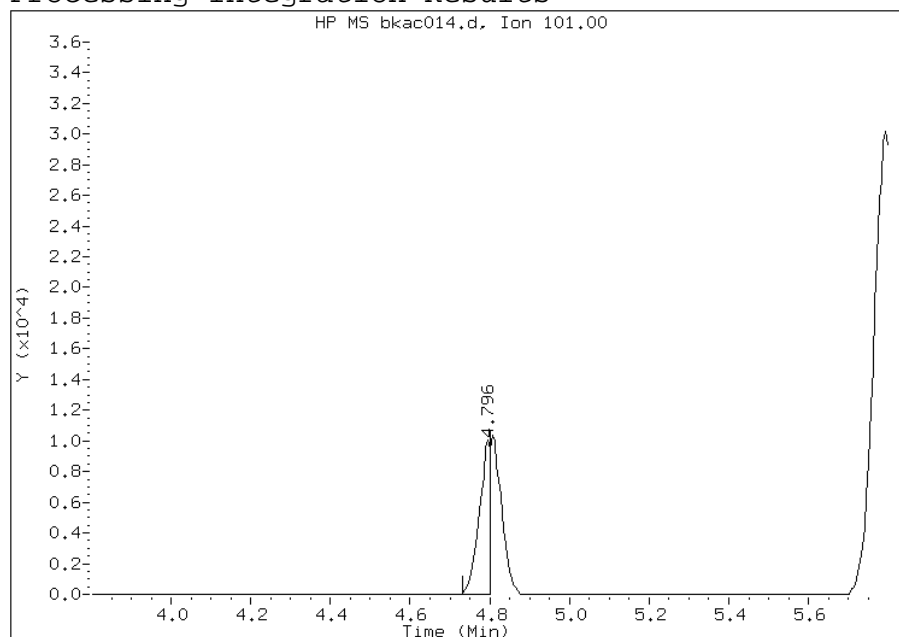


Manual Integration Report

Data File: bkac014.d
Lab Sample ID: 200-4737-2
Inj. Date and Time: 23-APR-2011 00:33
Instrument ID: B.i
Client ID: SL 022
Compound: 13 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 04/25/2011

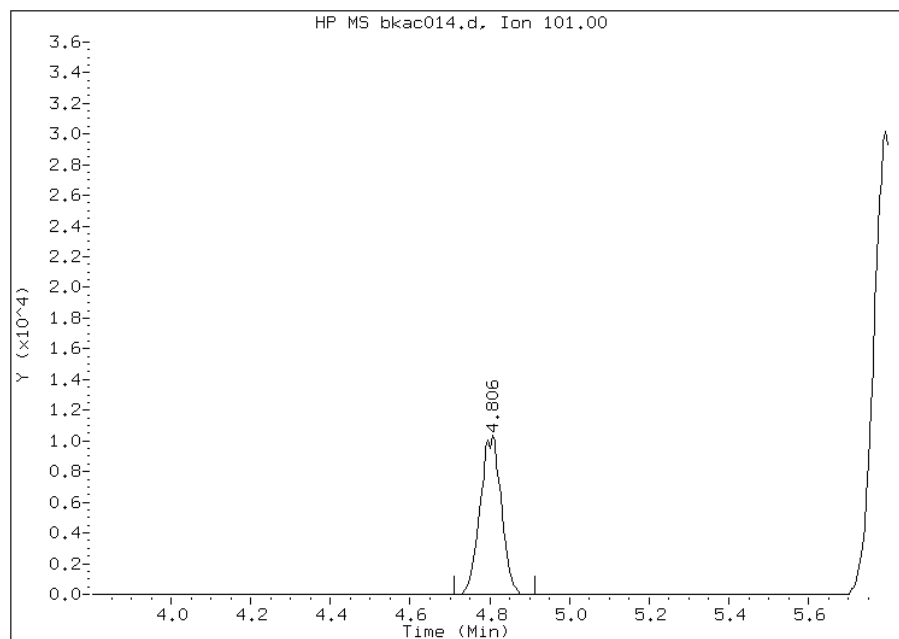
Processing Integration Results

RT: 4.80
Response: 19619
Amount: 0.088675
Conc: 4.41



Manual Integration Results

RT: 4.81
Response: 37887
Amount: 0.171243
Conc: 8.51



File Uploaded By: klp
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
 Matrix: Air Lab File ID: bkac015.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
 Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
 Soil Aliquot Vol: Dilution Factor: 1960
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	980	U	980	74
75-45-6	Freon 22	86.47	980	U	980	67
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	390	U	390	63
74-87-3	Chloromethane	50.49	980	U	980	25
106-97-8	n-Butane	58.12	980	U	980	22
75-01-4	Vinyl chloride	62.50	390	U	390	57
106-99-0	1,3-Butadiene	54.09	390	U	390	20
74-83-9	Bromomethane	94.94	390	U	390	24
75-00-3	Chloroethane	64.52	980	U	980	31
593-60-2	Bromoethene (Vinyl Bromide)	106.96	390	U	390	37
75-69-4	Trichlorofluoromethane	137.37	390	U	390	67
76-13-1	Freon TF	187.38	390	U	390	20
75-35-4	1,1-Dichloroethene	96.94	390	U	390	59
67-64-1	Acetone	58.08	9800	U	9800	88
67-63-0	Isopropyl alcohol	60.10	9800	U	9800	73
75-15-0	Carbon disulfide	76.14	980	U	980	130
107-05-1	3-Chloropropene	76.53	980	U	980	37
75-09-2	Methylene Chloride	84.93	980	U	980	25
75-65-0	tert-Butyl alcohol	74.12	9800	U	9800	140
1634-04-4	Methyl tert-butyl ether	88.15	390	U	390	31
156-60-5	trans-1,2-Dichloroethene	96.94	390	U	390	63
110-54-3	n-Hexane	86.17	390	U	390	51
75-34-3	1,1-Dichloroethane	98.96	390	U	390	69
78-93-3	Methyl Ethyl Ketone	72.11	980	U	980	33
156-59-2	cis-1,2-Dichloroethene	96.94	1100		390	27
540-59-0	1,2-Dichloroethene, Total	96.94	1400		390	27
67-66-3	Chloroform	119.38	390	U	390	61
109-99-9	Tetrahydrofuran	72.11	9800	U	9800	35
71-55-6	1,1,1-Trichloroethane	133.41	390	U	390	69
110-82-7	Cyclohexane	84.16	390	U	390	76
56-23-5	Carbon tetrachloride	153.81	390	U	390	65
540-84-1	2,2,4-Trimethylpentane	114.23	390	U	390	71
71-43-2	Benzene	78.11	390	U	390	35
107-06-2	1,2-Dichloroethane	98.96	390	U	390	61
142-82-5	n-Heptane	100.21	390	U	390	20

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
 Matrix: Air Lab File ID: bkac015.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
 Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
 Soil Aliquot Vol: _____ Dilution Factor: 1960
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	24000		390	59
80-62-6	Methyl methacrylate	100.12	980	U	980	25
78-87-5	1,2-Dichloropropane	112.99	390	U	390	27
123-91-1	1,4-Dioxane	88.11	9800	U	9800	170
75-27-4	Bromodichloromethane	163.83	390	U	390	55
10061-01-5	cis-1,3-Dichloropropene	110.97	390	U	390	31
108-10-1	methyl isobutyl ketone	100.16	980	U	980	51
108-88-3	Toluene	92.14	390	U	390	35
10061-02-6	trans-1,3-Dichloropropene	110.97	390	U	390	39
79-00-5	1,1,2-Trichloroethane	133.41	390	U	390	37
127-18-4	Tetrachloroethene	165.83	390	U	390	22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	980	U	980	76
124-48-1	Dibromochloromethane	208.29	390	U	390	41
106-93-4	1,2-Dibromoethane	187.87	390	U	390	35
108-90-7	Chlorobenzene	112.30	390	U	390	39
100-41-4	Ethylbenzene	106.17	390	U	390	43
179601-23-1	m,p-Xylene	106.17	980	U	980	94
95-47-6	Xylene, o-	106.17	390	U	390	43
1330-20-7	Xylene (total)	106.17	390	U	390	43
100-42-5	Styrene	104.15	390	U	390	59
75-25-2	Bromoform	252.75	390	U	390	37
98-82-8	Cumene	120.19	390	U	390	61
79-34-5	1,1,2,2-Tetrachloroethane	167.85	390	U	390	78
103-65-1	n-Propylbenzene	120.19	390	U	390	98
622-96-8	4-Ethyltoluene	120.20	390	U	390	90
108-67-8	1,3,5-Trimethylbenzene	120.20	390	U	390	100
95-49-8	2-Chlorotoluene	126.59	390	U	390	92
98-06-6	tert-Butylbenzene	134.22	390	U	390	92
95-63-6	1,2,4-Trimethylbenzene	120.20	390	U	390	100
135-98-8	sec-Butylbenzene	134.22	390	U	390	92
99-87-6	4-Isopropyltoluene	134.22	390	U	390	94
541-73-1	1,3-Dichlorobenzene	147.00	390	U	390	86
106-46-7	1,4-Dichlorobenzene	147.00	390	U	390	86
100-44-7	Benzyl chloride	126.58	390	U	390	90
104-51-8	n-Butylbenzene	134.22	390	U	390	110

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
Matrix: Air Lab File ID: bkac015.d
Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
Soil Aliquot Vol: _____ Dilution Factor: 1960
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	390	U	390	94
120-82-1	1,2,4-Trichlorobenzene	181.45	980	U	980	98
87-68-3	Hexachlorobutadiene	260.76	390	U	390	130
91-20-3	Naphthalene	128.17	980	U	980	170

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
 Matrix: Air Lab File ID: bkac015.d
 Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
 Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
 Soil Aliquot Vol: Dilution Factor: 1960
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	4800	U	4800	370
75-45-6	Freon 22	86.47	3500	U	3500	240
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2700	U	2700	440
74-87-3	Chloromethane	50.49	2000	U	2000	53
106-97-8	n-Butane	58.12	2300	U	2300	51
75-01-4	Vinyl chloride	62.50	1000	U	1000	150
106-99-0	1,3-Butadiene	54.09	870	U	870	43
74-83-9	Bromomethane	94.94	1500	U	1500	91
75-00-3	Chloroethane	64.52	2600	U	2600	83
593-60-2	Bromoethene (Vinyl Bromide)	106.96	1700	U	1700	160
75-69-4	Trichlorofluoromethane	137.37	2200	U	2200	370
76-13-1	Freon TF	187.38	3000	U	3000	150
75-35-4	1,1-Dichloroethene	96.94	1600	U	1600	230
67-64-1	Acetone	58.08	23000	U	23000	210
67-63-0	Isopropyl alcohol	60.10	24000	U	24000	180
75-15-0	Carbon disulfide	76.14	3100	U	3100	400
107-05-1	3-Chloropropene	76.53	3100	U	3100	120
75-09-2	Methylene Chloride	84.93	3400	U	3400	89
75-65-0	tert-Butyl alcohol	74.12	30000	U	30000	420
1634-04-4	Methyl tert-butyl ether	88.15	1400	U	1400	110
156-60-5	trans-1,2-Dichloroethene	96.94	1600	U	1600	250
110-54-3	n-Hexane	86.17	1400	U	1400	180
75-34-3	1,1-Dichloroethane	98.96	1600	U	1600	280
78-93-3	Methyl Ethyl Ketone	72.11	2900	U	2900	98
156-59-2	cis-1,2-Dichloroethene	96.94	4500		1600	110
540-59-0	1,2-Dichloroethene, Total	96.94	5600		1600	110
67-66-3	Chloroform	119.38	1900	U	1900	300
109-99-9	Tetrahydrofuran	72.11	29000	U	29000	100
71-55-6	1,1,1-Trichloroethane	133.41	2100	U	2100	370
110-82-7	Cyclohexane	84.16	1300	U	1300	260
56-23-5	Carbon tetrachloride	153.81	2500	U	2500	410
540-84-1	2,2,4-Trimethylpentane	114.23	1800	U	1800	330
71-43-2	Benzene	78.11	1300	U	1300	110
107-06-2	1,2-Dichloroethane	98.96	1600	U	1600	250
142-82-5	n-Heptane	100.21	1600	U	1600	80

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
Matrix: Air Lab File ID: bkac015.d
Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
Soil Aliquot Vol: _____ Dilution Factor: 1960
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	130000		2100	320
80-62-6	Methyl methacrylate	100.12	4000	U	4000	100
78-87-5	1,2-Dichloropropane	112.99	1800	U	1800	130
123-91-1	1,4-Dioxane	88.11	35000	U	35000	620
75-27-4	Bromodichloromethane	163.83	2600	U	2600	370
10061-01-5	cis-1,3-Dichloropropene	110.97	1800	U	1800	140
108-10-1	methyl isobutyl ketone	100.16	4000	U	4000	210
108-88-3	Toluene	92.14	1500	U	1500	130
10061-02-6	trans-1,3-Dichloropropene	110.97	1800	U	1800	180
79-00-5	1,1,2-Trichloroethane	133.41	2100	U	2100	200
127-18-4	Tetrachloroethene	165.83	2700	U	2700	150
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4000	U	4000	310
124-48-1	Dibromochloromethane	208.29	3300	U	3300	350
106-93-4	1,2-Dibromoethane	187.87	3000	U	3000	270
108-90-7	Chlorobenzene	112.30	1800	U	1800	180
100-41-4	Ethylbenzene	106.17	1700	U	1700	190
179601-23-1	m,p-Xylene	106.17	4300	U	4300	410
95-47-6	Xylene, o-	106.17	1700	U	1700	190
1330-20-7	Xylene (total)	106.17	1700	U	1700	190
100-42-5	Styrene	104.15	1700	U	1700	250
75-25-2	Bromoform	252.75	4100	U	4100	380
98-82-8	Cumene	120.19	1900	U	1900	300
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2700	U	2700	540
103-65-1	n-Propylbenzene	120.19	1900	U	1900	480
622-96-8	4-Ethyltoluene	120.20	1900	U	1900	440
108-67-8	1,3,5-Trimethylbenzene	120.20	1900	U	1900	490
95-49-8	2-Chlorotoluene	126.59	2000	U	2000	480
98-06-6	tert-Butylbenzene	134.22	2200	U	2200	510
95-63-6	1,2,4-Trimethylbenzene	120.20	1900	U	1900	500
135-98-8	sec-Butylbenzene	134.22	2200	U	2200	510
99-87-6	4-Isopropyltoluene	134.22	2200	U	2200	520
541-73-1	1,3-Dichlorobenzene	147.00	2400	U	2400	520
106-46-7	1,4-Dichlorobenzene	147.00	2400	U	2400	520
100-44-7	Benzyl chloride	126.58	2000	U	2000	470
104-51-8	n-Butylbenzene	134.22	2200	U	2200	590

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: SL 084 Lab Sample ID: 200-4737-3
Matrix: Air Lab File ID: bkac015.d
Analysis Method: TO-15 Date Collected: 04/14/2011 22:52
Sample wt/vol: 24 (mL) Date Analyzed: 04/23/2011 01:26
Soil Aliquot Vol: _____ Dilution Factor: 1960
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2400	U	2400	570
120-82-1	1,2,4-Trichlorobenzene	181.45	7300	U	7300	730
87-68-3	Hexachlorobutadiene	260.76	4200	U	4200	1400
91-20-3	Naphthalene	128.17	5100	U	5100	880

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4737-3
Client Smp ID: SL 084
Inj Date : 23-APR-2011 01:26
Operator : pad
Smp Info : 200-4737-A-3
Misc Info : 24,1960, all74 cdf235.54
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 24-Apr-2011 10:04 klp
Cal Date : 20-APR-2011 08:43
Als bottle: 10
Dil Factor: 1960.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i

Quant Type: ISTD

Cal File: bka014.d

Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1960.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	24.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
6 Butane	43						
7 Vinyl chloride	62						
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
17 1,1,2-Trichloro-1,2,2-trifluo	101						
19 1,1-Dichloroethene	96						
20 Acetone	43						

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====	=====
21 Carbon disulfide	76							Compound Not Detected.		
22 Isopropanol	45							Compound Not Detected.		
23 Allyl chloride	41							Compound Not Detected.		
25 Methylene chloride	49							Compound Not Detected.		
26 Tert-butyl alcohol	59							Compound Not Detected.		
27 Methyl tert-butyl ether	73							Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61		7.208	7.203	(0.784)			14911	0.13985	270(a)
30 n-Hexane	57							Compound Not Detected.		
31 1,1-Dichloroethane	63							Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61							68804	0.71628	1400
34 1,2-Dichloroethene (cis)	96		8.836	8.836	(0.961)			53893	0.57643	1100
36 Methyl Ethyl Ketone	72							Compound Not Detected.		
* 37 Bromochloromethane	128		9.193	9.199	(1.000)			884911	10.0000	
38 Tetrahydrofuran	42							Compound Not Detected.		
39 Chloroform	83							Compound Not Detected.		
40 Cyclohexane	84							Compound Not Detected.		
41 1,1,1-Trichloroethane	97							Compound Not Detected.		
42 Carbon tetrachloride	117							Compound Not Detected.		
43 2,2,4-Trimethylpentane	57							Compound Not Detected.		
44 Benzene	78							Compound Not Detected.		
45 1,2-Dichloroethane	62							Compound Not Detected.		
46 n-Heptane	43							Compound Not Detected.		
* 47 1,4-Difluorobenzene	114		10.608	10.608	(1.000)			4357559	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)			1520691	12.1921	24000
50 1,2-Dichloropropane	63							Compound Not Detected.		
51 Methyl methacrylate	69							Compound Not Detected.		
53 1,4-Dioxane	88							Compound Not Detected.		
54 Bromodichloromethane	83							Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75							Compound Not Detected.		
56 Methyl isobutyl ketone	43							Compound Not Detected.		
58 Toluene	92							Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75							Compound Not Detected.		
60 1,1,2-Trichloroethane	83							Compound Not Detected.		
61 Tetrachloroethene	166							Compound Not Detected.		
62 2-Hexanone	43							Compound Not Detected.		
63 Dibromochloromethane	129							Compound Not Detected.		
64 1,2-Dibromoethane	107							Compound Not Detected.		
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)			3856727	10.0000	
66 Chlorobenzene	112							Compound Not Detected.		
68 Ethylbenzene	91							Compound Not Detected.		
69 Xylene (m,p)	106							Compound Not Detected.		
M 70 Xylenes, Total	106							Compound Not Detected.		
71 Xylene (o)	106							Compound Not Detected.		
72 Styrene	104							Compound Not Detected.		
73 Bromoform	173							Compound Not Detected.		
74 Isopropylbenzene	105							Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83							Compound Not Detected.		

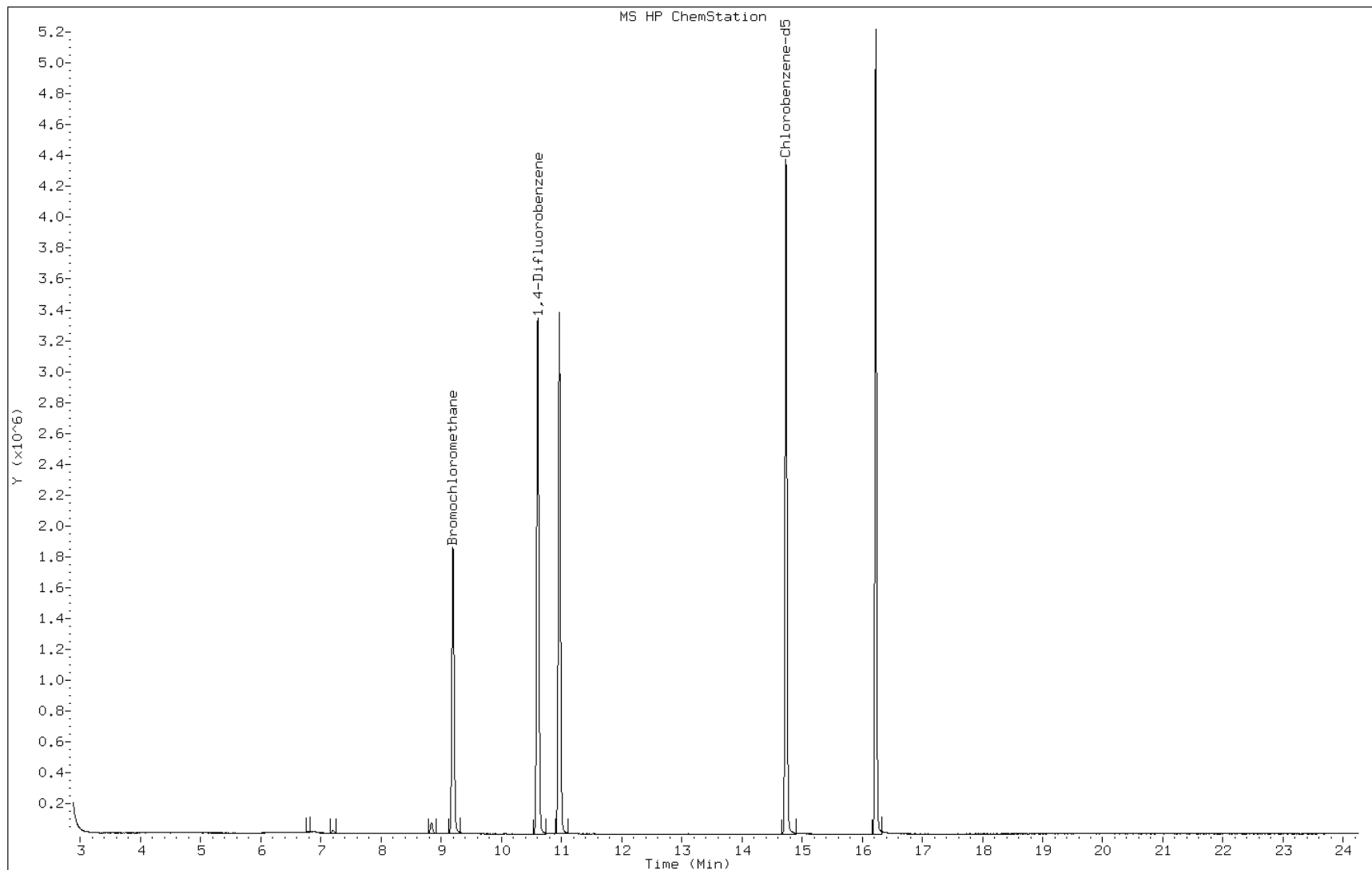
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bkac015.d
Client ID: SL 084
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4737-A-3
Lab Sample ID: 200-4737-3

Date: 23-APR-2011 01:26
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkac015.d

Lab Sample ID: 200-4737-3

Date: 23-APR-2011 01:26

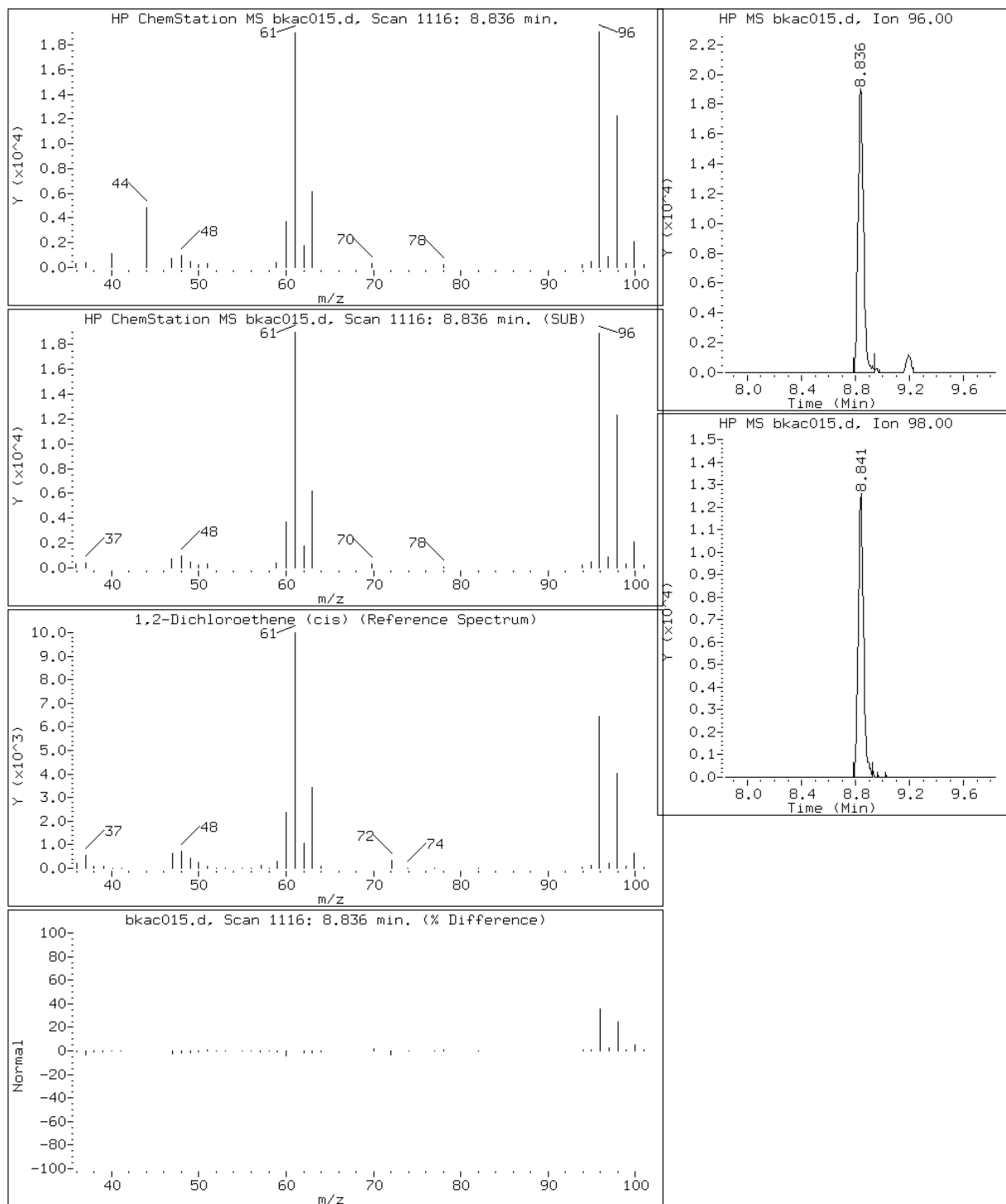
Client ID: SL 084

Instrument: B.i

Sample Info: 200-4737-A-3

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: bkac015.d

Lab Sample ID: 200-4737-3

Date: 23-APR-2011 01:26

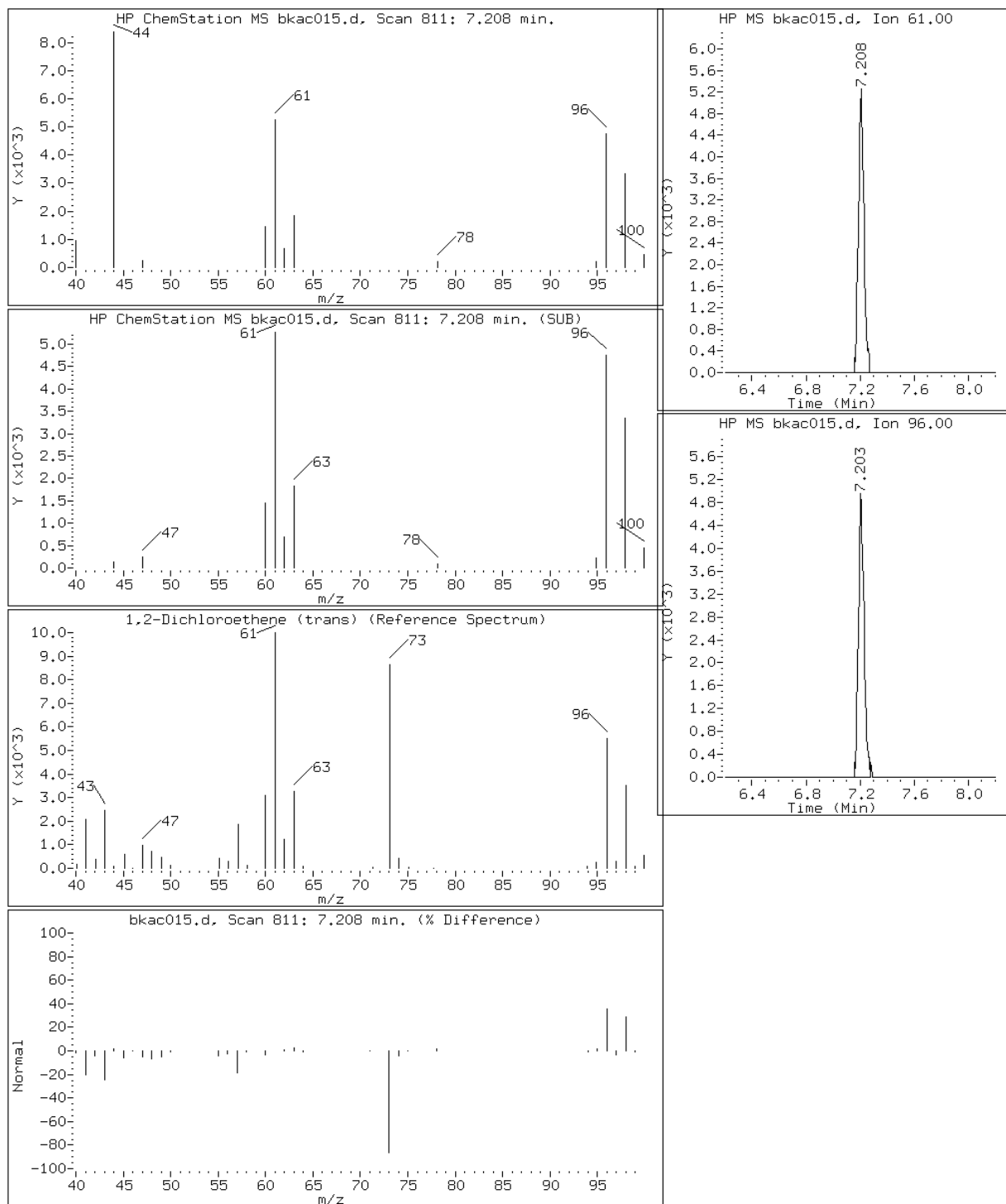
Client ID: SL 084

Instrument: B.i

Sample Info: 200-4737-A-3

Operator: pad

28 1,2-Dichloroethene (trans)



Data File: bkac015.d

Lab Sample ID: 200-4737-3

Date: 23-APR-2011 01:26

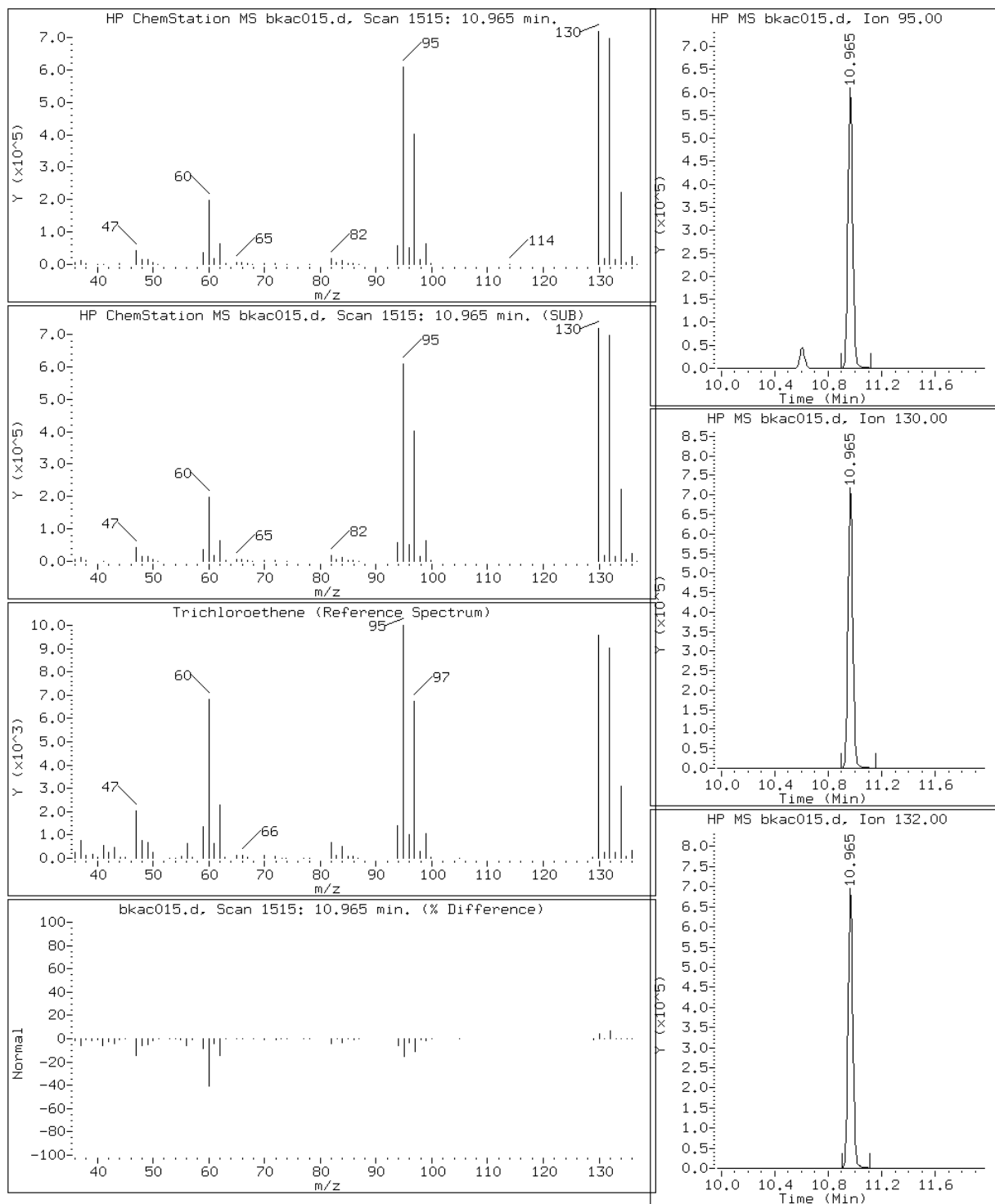
Client ID: SL 084

Instrument: B.i

Sample Info: 200-4737-A-3

Operator: pad

49 Trichloroethene



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-16751/14	ic 132521	bka014.d
Level 2	IC 200-16751/4	ic 132517	bka004.d
Level 3	IC 200-16751/5	ic 132507	bka005.d
Level 4	ICIS 200-16751/6	icis 132424	bka006.d
Level 5	IC 200-16751/7	ic 132422	bka007.d
Level 6	IC 200-16751/8	ic 132406	bka008.d
Level 7	IC 200-16751/9	ic 132405	bka009.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.2028	0.2937 0.1918	0.2560	0.2362	0.2182	Ave		0.2331				16.1		30.0			
Dichlorodifluoromethane	++++ 1.2354	1.7566 1.1271	1.6286	1.4822	1.3540	Ave		1.4307				16.7		30.0			
Freon 22	++++ 0.5179	0.7215 0.4875	0.6653	0.6083	0.5640	Ave		0.5941				15.0		30.0			
1,2-Dichlorotetrafluoroethane	1.3844 1.1910	1.7093 1.0742	1.6027	1.4333	1.3107	Ave		1.3865				16.0		30.0			
Chloromethane	++++ 0.2593	0.3709 0.2480	0.3326	0.2995	0.2763	Ave		0.2978				15.7		30.0			
n-Butane	++++ 0.4446	0.6516 0.4194	0.5695	0.5266	0.4911	Ave		0.5171				16.5		30.0			
Vinyl chloride	0.3996 0.3578	0.4927 0.3402	0.4578	0.4218	0.3940	Ave		0.4091				13.1		30.0			
1,3-Butadiene	0.3028 0.2597	0.3441 0.2477	0.3322	0.3077	0.2872	Ave		0.2973				11.9		30.0			
Bromomethane	0.7399 0.6403	0.8777 0.6073	0.8326	0.7633	0.7094	Ave		0.7386				13.1		30.0			
Chloroethane	++++ 0.3079	0.4306 0.2941	0.3975	0.3667	0.3414	Ave		0.3564				14.7		30.0			
Isopentane	0.7890 0.5663	0.8068 0.5316	0.7550	0.6903	0.6343	Ave		0.6819				15.9		30.0			
Bromoethene (Vinyl Bromide)	1.0165 0.8827	1.0923 0.8451	1.0392	1.0017	0.9560	Ave		0.9762				9.0		30.0			
Trichlorofluoromethane	2.4118 2.1426	2.7807 2.0593	2.6263	2.4579	2.3226	Ave		2.4002				10.6		30.0			
n-Pentane	++++ 0.9396	1.3399 0.8785	1.2188	1.1394	1.0527	Ave		1.0948				15.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.2457	0.2981 0.2381	0.2925	0.2783	0.2684	Ave		0.2702				9.0		30.0			
Ethyl ether	0.5889 0.5552	0.6631 0.5335	0.6579	0.6250	0.5949	Ave		0.6026				8.2		30.0			
Acrolein	++++ 0.2946	++++ 0.2756	0.3538	0.3356	0.3181	Ave		0.3155				9.9		30.0			
Freon TF	2.0341 1.7984	2.1477 1.7408	2.0311	1.9688	1.8927	Ave		1.9448				7.4		30.0			
1,1-Dichloroethene	1.0106 0.8696	0.9855 0.8568	0.9592	0.9425	0.9162	Ave		0.9344				6.1		30.0			
Acetone	++++ 0.9113	++++ 0.8936	1.1346	1.0387	0.9795	Ave		0.9915				9.9		30.0			
Carbon disulfide	++++ 2.4104	2.9423 2.3171	2.8142	2.6831	2.5559	Ave		2.6205				9.1		30.0			
Isopropyl alcohol	++++ 0.7517	++++ 0.7826	0.8653	0.8298	0.7986	Ave		0.8056				5.4		30.0			
3-Chloropropene	0.8774 0.7804	1.0135 0.7372	0.9537	0.8797	0.8300	Ave		0.8674				11.0		30.0			
Acetonitrile	++++ 0.4707	++++ 0.4727	0.5866	0.5587	0.5053	Ave		0.5188				10.0		30.0			
Methylene Chloride	++++ 0.7012	1.0244 0.6637	0.8891	0.8184	0.7591	Ave		0.8093				16.4		30.0			
tert-Butyl alcohol	++++ 1.2320	++++ 1.3014	1.3748	1.3402	1.2932	Ave		1.3083				4.1		30.0			
Methyl tert-butyl ether	2.4801 2.3376	2.7316 2.2385	2.6981	2.5855	2.4865	Ave		2.5083				7.2		30.0			
trans-1,2-Dichloroethene	1.2053 1.0793	1.3853 1.0002	1.3461	1.2514	1.1668	Ave		1.2049				11.4		30.0			
Acrylonitrile	++++ 0.5278	0.6482 0.5175	0.6044	0.5926	0.5633	Ave		0.5756				8.6		30.0			
n-Hexane	1.4010 1.1810	1.4954 1.1044	1.4445	1.3597	1.2725	Ave		1.3226				10.8		30.0			
1,1-Dichloroethane	1.5163 1.3718	1.7431 1.2938	1.6612	1.5757	1.4762	Ave		1.5197				10.3		30.0			
Vinyl acetate	++++ 1.6490	++++ 1.5329	2.0364	1.9117	1.8004	Ave		1.7861				11.3		30.0			
cis-1,2-Dichloroethene	1.0802 0.9969	1.1265 0.9435	1.1121	1.0891	1.0475	Ave		1.0565				6.2		30.0			
Methyl Ethyl Ketone	++++ 0.4157	0.5076 0.3863	0.4842	0.4611	0.4495	Ave		0.4507				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.0871	++++ 0.0833	0.0940	0.0938	0.0916	Ave		0.0900				5.1		30.0			
Tetrahydrofuran	++++ 0.1483	++++ 0.1420	0.1828	0.1701	0.1593	Ave		0.1605				10.3		30.0			
Chloroform	1.9073 1.7564	2.1614 1.6870	2.0577	1.9519	1.8639	Ave		1.9122				8.6		30.0			
n-Butanol	++++ 0.0874	++++ 0.0959	0.0881	0.0907	0.0894	Ave		0.0903				3.8		30.0			
1,1,1-Trichloroethane	0.4288 0.4000	0.4523 0.3876	0.4446	0.4351	0.4217	Ave		0.4243				5.5		30.0			
Cyclohexane	0.3031 0.2717	0.3156 0.2536	0.3067	0.3006	0.2895	Ave		0.2915				7.5		30.0			
Carbon tetrachloride	0.4620 0.4533	0.4821 0.4557	0.4796	0.4755	0.4690	Ave		0.4682				2.5		30.0			
1,4-Dioxane	++++ 0.0911	++++ 0.0937	0.0954	0.0932	0.0936	Ave		0.0934				1.6		30.0			
2,2,4-Trimethylpentane	0.8171 0.7517	0.9395 0.6873	0.9165	0.8660	0.8114	Ave		0.8271				10.8		30.0			
Benzene	0.6293 0.5591	0.6821 0.5231	0.6521	0.6236	0.5947	Ave		0.6091				9.0		30.0			
1,2-Dichloroethane	0.2251 0.2172	0.2594 0.2133	0.2567	0.2428	0.2326	Ave		0.2353				7.8		30.0			
n-Heptane	0.2867 0.2451	0.3259 0.2242	0.3090	0.2881	0.2672	Ave		0.2780				12.7		30.0			
Trichloroethene	0.2916 0.2715	0.3029 0.2611	0.2987	0.2944	0.2836	Ave		0.2862				5.3		30.0			
1,2-Dichloropropane	0.1954 0.1871	0.2211 0.1787	0.2191	0.2094	0.2000	Ave		0.2015				7.9		30.0			
Methyl methacrylate	++++ 0.2014	0.2071 0.1970	0.2218	0.2184	0.2134	Ave		0.2099				4.6		30.0			
Dibromomethane	0.2796 0.2704	0.2465 0.2703	0.2527	0.2653	0.2737	Ave		0.2655				4.5		30.0			
Bromodichloromethane	0.4048 0.4121	0.4635 0.3993	0.4619	0.4505	0.4346	Ave		0.4324				6.3		30.0			
cis-1,3-Dichloropropene	0.3070 0.3258	0.3370 0.3174	0.3568	0.3538	0.3435	Ave		0.3345				5.6		30.0			
methyl isobutyl ketone	++++ 0.3174	0.3621 0.2989	0.3847	0.3601	0.3421	Ave		0.3442				9.2		30.0			
Toluene	0.5589 0.4845	0.5929 0.4212	0.5558	0.5418	0.5162	Ave		0.5245				10.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Octane	0.3933 0.3075	0.4622 0.2523	0.4312	0.3851	0.3443	Ave		0.3680				19.7		30.0			
trans-1,3-Dichloropropene	0.3114 0.3361	0.3386 0.3278	0.3710	0.3633	0.3544	Ave		0.3432				6.1		30.0			
1,1,2-Trichloroethane	0.2380 0.2292	0.2554 0.2175	0.2553	0.2483	0.2392	Ave		0.2404				5.8		30.0			
Tetrachloroethene	0.4917 0.4751	0.4289 0.4640	0.4418	0.4637	0.4780	Ave		0.4633				4.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3430	0.3651 0.3256	0.3968	0.3792	0.3654	Ave		0.3625				7.0		30.0			
Dibromochloromethane	0.4952 0.5538	0.5099 0.5391	0.5500	0.5654	0.5670	Ave		0.5400				5.1		30.0			
1,2-Dibromoethane	0.4627 0.4808	0.4883 0.4646	0.5036	0.5013	0.4977	Ave		0.4856				3.5		30.0			
Chlorobenzene	0.8172 0.7612	0.8189 0.7325	0.7988	0.7933	0.7865	Ave		0.7869				3.9		30.0			
Ethylbenzene	1.1603 1.0673	1.2156 0.9887	1.2062	1.1658	1.1249	Ave		1.1327				7.1		30.0			
n-Nonane	0.4455 0.3869	0.5095 0.3330	0.4935	0.4534	0.4217	Ave		0.4348				14.0		30.0			
m,p-Xylene	0.4918 0.4498	0.5035 0.3782	0.5129	0.5030	0.4817	Ave		0.4744				9.9		30.0			
Xylene, o-	0.4708 0.4617	0.4876 0.4169	0.5016	0.4951	0.4853	Ave		0.4741				6.1		30.0			
Styrene	0.6272 0.7300	0.7053 0.6592	0.7853	0.7786	0.7652	Ave		0.7215				8.5		30.0			
Bromoform	0.4465 0.5492	0.4319 0.5080	0.5188	0.5465	0.5595	Ave		0.5086				10.0		30.0			
Cumene	1.3099 1.3049	1.3610 1.1947	1.4100	1.3844	1.3603	Ave		1.3322				5.4		30.0			
1,1,2,2-Tetrachloroethane	0.6003 0.5832	0.6908 0.5200	0.6809	0.6466	0.6215	Ave		0.6205				9.6		30.0			
n-Propylbenzene	1.4831 1.3562	1.6469 1.1017	1.6477	1.5577	1.4664	Ave		1.4657				13.0		30.0			
1,2,3-Trichloropropane	++++ 0.4053	0.5249 0.3342	0.5111	0.4741	0.4408	Ave		0.4484				15.9		30.0			
n-Decane	++++ 0.4702	0.6626 0.3860	0.6235	0.5636	0.5179	Ave		0.5373				18.9		30.0			
4-Ethyltoluene	1.3248 1.3131	1.4231 1.1265	1.4679	1.4299	1.3938	Ave		1.3542				8.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	1.1932 1.0889	1.2954 0.9619	1.2721	1.2067	1.1578	Ave		1.1680				9.8		30.0			
1,3,5-Trimethylbenzene	1.1225 1.0987	1.1820 0.9972	1.2107	1.1830	1.1500	Ave		1.1349				6.3		30.0			
Alpha Methyl Styrene	0.4579 0.6439	0.5412 0.5975	0.6592	0.6613	0.6647	Ave		0.6037				13.0		30.0			
tert-Butylbenzene	1.1407 1.1094	1.1445 1.0067	1.1858	1.1666	1.1555	Ave		1.1299				5.2		30.0			
1,2,4-Trimethylbenzene	1.0712 1.1056	1.1652 1.0015	1.2162	1.1813	1.1605	Ave		1.1288				6.5		30.0			
sec-Butylbenzene	1.6491 1.5670	1.7092 1.3836	1.7605	1.7037	1.6592	Ave		1.6332				7.7		30.0			
4-Isopropyltoluene	1.3632 1.4157	1.4213 1.2512	1.5278	1.4974	1.4860	Ave		1.4232				6.6		30.0			
1,3-Dichlorobenzene	0.7848 0.8581	0.7966 0.7982	0.8441	0.8624	0.8766	Ave		0.8316				4.5		30.0			
1,4-Dichlorobenzene	0.7753 0.8640	0.8138 0.8029	0.8518	0.8672	0.8823	Ave		0.8368				4.7		30.0			
Benzyl chloride	0.7344 0.9714	0.8970 0.9283	1.0406	1.0153	1.0106	Ave		0.9425				11.1		30.0			
n-Undecane	+++++ 0.4509	+++++ 0.3416	0.6688	0.5652	0.5070	Ave		0.5067				24.2		30.0			
n-Butylbenzene	1.0742 1.0247	1.3182 0.7947	1.3213	1.2099	1.1278	Ave		1.1244				16.4		30.0			
1,2-Dichlorobenzene	0.7697 0.8157	0.7673 0.7734	0.8025	0.8098	0.8310	Ave		0.7957				3.2		30.0			
n-Dodecane	+++++ 0.4708	+++++ 0.4104	0.5964	0.4754	0.4900	Ave		0.4886				13.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6389	0.4840 0.6137	0.5966	0.5779	0.6416	Ave		0.5921				9.9		30.0			
Hexachlorobutadiene	0.3997 0.3922	0.3729 0.3463	0.4011	0.3773	0.3958	Ave		0.3836				5.1		30.0			
Naphthalene	+++++ 1.3832	1.0453 1.3936	1.3701	1.2334	1.4208	Ave		1.3077				11.0		30.0			
1,2,3-Trichlorobenzene	0.3199 0.5446	0.4090 0.5401	0.5119	0.4744	0.5414	Ave		0.4773				17.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-16751/14	bka014.d
Level 2	IC 200-16751/4	bka004.d
Level 3	IC 200-16751/5	bka005.d
Level 4	ICIS 200-16751/6	bka006.d
Level 5	IC 200-16751/7	bka007.d
Level 6	IC 200-16751/8	bka008.d
Level 7	IC 200-16751/9	bka009.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 300120	8866 599770	78924	157036	231639	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 1827829	53031 3524372	502030	985236	1437377	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 766295	21780 1524484	205100	404323	598766	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1762200	51603 3358935	494039	952741	1391401	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 383654	11197 775518	102530	199065	293350	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 657804	19672 1311417	175543	350040	521368	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	6189 529337	14875 1063608	141123	280384	418232	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	4689 384173	10388 774512	102416	204529	304903	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	11458 947441	26498 1898835	256646	507343	753036	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 455574	13000 919478	122523	243724	362414	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	12218 837817	24355 1662131	232723	458860	673404	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	15742 1306088	32975 2642602	320336	665831	1014869	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	37349 3170080	83947 6439223	809602	1633753	2465621	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Pentane	BCM	Ave	++++ 1390176	40451 2747007	375708	757371	1117488	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 727156	89979 1860972	180325	277452	379947	++++ 40.0	5.00 100	10.0	15.0	20.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl ether	BCM	Ave	9120 821517	20019 1668086	202790	415462	631491	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 435833	++++ 861731	109057	223067	337707	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	31501 2660922	64836 5443061	626099	1308658	2009307	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	15651 1286652	29752 2679149	295670	626482	972662	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 1348308	++++ 2794058	349748	690460	1039866	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 3566337	88826 7245165	867508	1783437	2713282	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 1112244	++++ 2446977	266746	551572	847756	++++ 20.0	++++ 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	13588 1154713	30597 2304959	293997	584735	881080	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetonitrile	BCM	Ave	++++ 696363	++++ 1477909	180830	371388	536407	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 1037427	30924 2075277	274088	543966	805880	++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 1822781	++++ 4069174	423784	890814	1372891	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	38407 3458603	82465 6999335	831713	1718621	2639589	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	18666 1596852	41820 3127358	414936	831789	1238608	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 780949	19567 1618249	186303	393900	598039	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	21696 1747428	45144 3453171	445282	903827	1350889	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	23482 2029629	52623 4045389	512072	1047397	1567056	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 2439891	++++ 4793064	627758	1270715	1911252	++++ 20.0	++++ 40.0	5.00	10.0	15.0
cis-1,2-Dichloroethene	BCM	Ave	16728 1474917	34007 2950200	342810	723958	1112041	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 615079	15323 1207999	149245	306515	477196	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 128917	++++ 260476	28972	62334	97227	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 1047298	++++ 2084669	277844	549976	813871	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	BCM	Ave	29536 2598681	65251 5274929	634308	1297438	1978722	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 616899	++++ 1408829	133880	293274	456578	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	32159 2824174	67731 5691823	675728	1406951	2154019	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	22729 1918754	47258 3724291	466042	972088	1478653	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	34647 3200971	72192 6692210	728934	1537837	2395919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 643239	++++ 1375223	144977	301353	478246	++++ 20.0	++++ 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	61280 5307613	140690 10092869	1392904	2800540	4144876	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	47198 3947918	102143 7680963	991001	2016732	3037856	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	16884 1533949	38845 3132783	390176	785354	1188146	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	21502 1730671	48804 3292791	469663	931596	1364777	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	21871 1916872	45357 3833558	453917	951917	1448406	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	14653 1320810	33112 2623803	332990	677216	1021765	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 1421973	31018 2893198	337036	706275	1090133	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	20967 1909592	36909 3969697	383976	857899	1398287	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	30360 2909545	69409 5862932	701999	1456744	2220179	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	23023 2300228	50459 4661270	542290	1144207	1754409	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 2241078	54223 4388870	584654	1164686	1747319	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	38095 3127459	81394 5654440	781089	1616891	2427829	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	29494 2171293	69209 3705391	655365	1245389	1758731	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	23351 2373295	50697 4813372	563840	1174900	1810182	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	16226 1479875	35063 2919548	358827	740832	1124926	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	33514 3066934	58874 6228827	620880	1383728	2248125	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 2214121	50122 4371736	557625	1131495	1718705	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	33753 3574952	69997 7237509	772883	1687154	2666927	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	31541 3103635	67025 6238068	707667	1495820	2340956	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	55704 4913972	112419 9833865	1122647	2367246	3699222	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	79091 6889927	166877 13273535	1695154	3478843	5291212	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	30365 2497679	69938 4470311	693477	1352992	1983573	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	67047 5806766	138228 10154496	1441619	3001987	4531499	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	32092 2980773	66933 5596888	704868	1477471	2282895	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	42751 4712279	96820 8850176	1103670	2323410	3599092	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	30436 3545428	59289 6819478	729089	1630994	2631689	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	89288 8423912	186832 16038905	1981597	4131269	6398313	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	40919 3764719	94824 6981701	956857	1929623	2923189	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	101095 8754898	226073 14790847	2315600	4648395	6897586	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 2616172	72057 4487423	718234	1414747	2073399	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	++++ 3035655	90964 5182772	876257	1681924	2436164	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	90304 8477020	195353 15123545	2062836	4267098	6556164	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	81335 7029702	177820 12913657	1787802	3601023	5446135	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	76515 7092974	162251 13388540	1701394	3530271	5409454	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Alpha Methyl Styrene	CBZ	Ave	31216 4156543	74294 8021611	926397	1973580	3126546	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	77758 7161981	157104 13516071	1666522	3481398	5434934	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4737-1 Analy Batch No.: 16751

SDG No.: 200-4737

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	73017 7137272	159945 13446021	1709235	3525067	5458639	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	112414 10115821	234623 18575724	2474045	5084068	7804179	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	92926 9138941	195107 16797947	2147098	4468517	6989529	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	53498 5539311	109357 10716451	1186297	2573541	4123237	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	52849 5577771	111716 10779777	1197028	2587919	4150197	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	50062 6271146	123133 12462482	1462331	3029817	4753657	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 2911051	++++ 4585532	939939	1686620	2384569	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	73222 6615177	180956 10669300	1856882	3610451	5304843	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	52468 5266072	105334 10383099	1127843	2416697	3908806	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	++++ 3039375	++++ 5509471	838092	1418552	2304964	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 4124576	66434 8238766	838392	1724492	3017684	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	27243 2531888	51195 4648758	563694	1125968	1861681	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 8929532	143494 18709280	1925403	3680670	6683018	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	21804 3515989	56142 7250992	719385	1415603	2546768	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka004.d
Lab Smp Id: ic 132517 Client Smp ID: ic 132517
Inj Date : 19-APR-2011 13:57
Operator : wrd Inst ID: B.i
Smp Info : ic 132517
Misc Info : 200,1, level2
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 13:57 Cal File: bka004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	53031	0.50000	0.61	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	21780	0.50000	0.61	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	51603	0.50000	0.62	
5 Chloromethane	50	3.339	3.339	(0.363)	11197	0.50000	0.62	
6 Butane	43	3.483	3.488	(0.379)	19672	0.50000	0.63	
7 Vinyl chloride	62	3.515	3.520	(0.382)	14875	0.50000	0.60	
8 1,3-Butadiene	54	3.573	3.574	(0.388)	10388	0.50000	0.58	
9 Bromomethane	94	4.128	4.129	(0.449)	26498	0.50000	0.59	
10 Chloroethane	64	4.326	4.326	(0.470)	13000	0.50000	0.60	
11 2-Methylbutane	43	4.395	4.401	(0.478)	24355	0.50000	0.59	
12 Vinyl bromide	106	4.705	4.705	(0.511)	32975	0.50000	0.56	
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	83947	0.50000	0.58	
14 Pentane	43	4.924	4.924	(0.535)	40451	0.50000	0.61	
15 Ethanol	45	5.329	5.308	(0.579)	89979	5.00000	5.5	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
16 Ethyl ether	59	5.452	5.415	(0.593)	20019	0.50000	0.55
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	64836	0.50000	0.55
19 1,1-Dichloroethene	96	5.858	5.852	(0.637)	29752	0.50000	0.53
21 Carbon disulfide	76	6.263	6.269	(0.681)	88826	0.50000	0.56
23 Allyl chloride	41	6.546	6.541	(0.712)	30597	0.50000	0.58
25 Methylene chloride	49	6.797	6.802	(0.739)	30924	0.50000	0.63
27 Methyl tert-butyl ether	73	7.235	7.187	(0.786)	82465	0.50000	0.54
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	41820	0.50000	0.57
29 Acrylonitrile	53	7.304	7.288	(0.794)	19567	0.50000	0.56
30 n-Hexane	57	7.523	7.528	(0.818)	45144	0.50000	0.57
31 1,1-Dichloroethane	63	7.928	7.934	(0.862)	52623	0.50000	0.57
M 33 1,2-Dichloroethene,Total	61				75827	1.00000	1.1
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	34007	0.50000	0.53
36 Methyl Ethyl Ketone	72	8.889	8.857	(0.966)	15323	0.50000	0.56(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	603778	10.0000	
39 Chloroform	83	9.279	9.284	(1.009)	65251	0.50000	0.57
40 Cyclohexane	84	9.535	9.535	(0.899)	47258	0.50000	0.54
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	67731	0.50000	0.53
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	72192	0.50000	0.51
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	140690	0.50000	0.57
44 Benzene	78	10.052	10.053	(0.948)	102143	0.50000	0.56
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	38845	0.50000	0.55
46 n-Heptane	43	10.277	10.282	(0.969)	48804	0.50000	0.59
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)	2994935	10.0000	
49 Trichloroethene	95	10.970	10.971	(1.034)	45357	0.50000	0.53
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	33112	0.50000	0.55
51 Methyl methacrylate	69	11.424	11.408	(1.077)	31018	0.50000	0.49(a)
52 Dibromomethane	174	11.520	11.520	(1.086)	36909	0.50000	0.46
54 Bromodichloromethane	83	11.702	11.702	(1.103)	69409	0.50000	0.54
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.163)	50459	0.50000	0.50
56 Methyl isobutyl ketone	43	12.566	12.518	(1.185)	54223	0.50000	0.53
57 n-Octane	43	12.758	12.758	(1.203)	69209	0.50000	0.63
58 Toluene	92	12.753	12.748	(0.865)	81394	0.50000	0.57
59 1,3-Dichloropropene (trans)	75	13.132	13.121	(1.238)	50697	0.50000	0.49
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	35063	0.50000	0.53
61 Tetrachloroethene	166	13.516	13.516	(0.917)	58874	0.50000	0.46
62 2-Hexanone	43	13.746	13.698	(0.933)	50122	0.50000	0.50
63 Dibromochloromethane	129	13.948	13.943	(0.946)	69997	0.50000	0.47
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	67025	0.50000	0.50
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2745478	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	112419	0.50000	0.52(M)
67 n-Nonane	57	14.898	14.899	(1.011)	69938	0.50000	0.59
68 Ethylbenzene	91	14.856	14.856	(1.008)	166877	0.50000	0.54
69 Xylene (m,p)	106	15.010	15.011	(1.018)	138228	1.00000	1.1
M 70 Xylenes, Total	106				205161	0.50000	1.6
71 Xylene (o)	106	15.539	15.539	(1.054)	66933	0.50000	0.51
72 Styrene	104	15.571	15.566	(1.056)	96820	0.50000	0.49

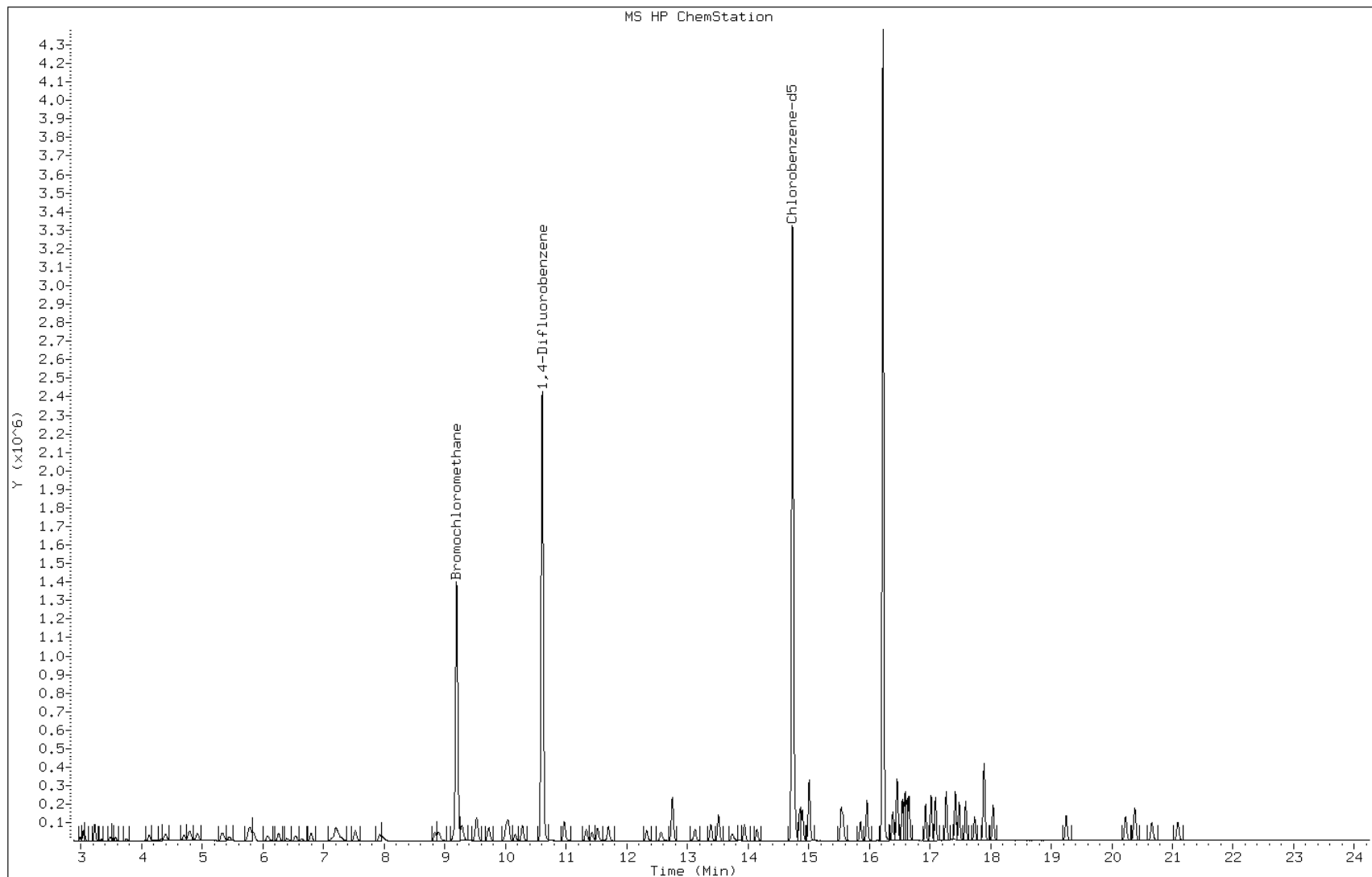
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
73 Bromoform	173	15.859	15.859	(1.076)	59289	0.50000	0.42
74 Isopropylbenzene	105	15.966	15.966	(1.083)	186832	0.50000	0.51
75 1,1,2,2-Tetrachloroethane	83	16.387	16.393	(1.112)	94824	0.50000	0.56
76 n-Propylbenzene	91	16.457	16.457	(1.117)	226073	0.50000	0.56
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	72057	0.50000	0.59
78 n-Decane	57	16.547	16.548	(1.123)	90964	0.50000	0.62
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	195353	0.50000	0.53
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	177820	0.50000	0.55
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	162251	0.50000	0.52
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	74294	0.50000	0.45
83 tert-butylbenzene	119	17.022	17.023	(1.155)	157104	0.50000	0.51
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	159945	0.50000	0.52
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	234623	0.50000	0.52
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	195107	0.50000	0.50
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	109357	0.50000	0.48
88 1,4-Dichlorobenzene	146	17.593	17.594	(1.194)	111716	0.50000	0.49
89 Benzyl chloride	91	17.743	17.738	(1.204)	123133	0.50000	0.48
91 n-Butylbenzene	91	17.903	17.903	(1.215)	180956	0.50000	0.59
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	105334	0.50000	0.48
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	66434	0.50000	0.41(a)
95 1,3-Hexachlorobutadiene	225	20.385	20.380	(1.383)	51195	0.50000	0.49
96 Naphthalene	128	20.657	20.652	(1.402)	143494	0.50000	0.40(a)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.431)	56142	0.50000	0.43

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka004.d
Client ID: ic 132517
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132517
Lab Sample ID: ic 132517

Date: 19-APR-2011 13:57
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



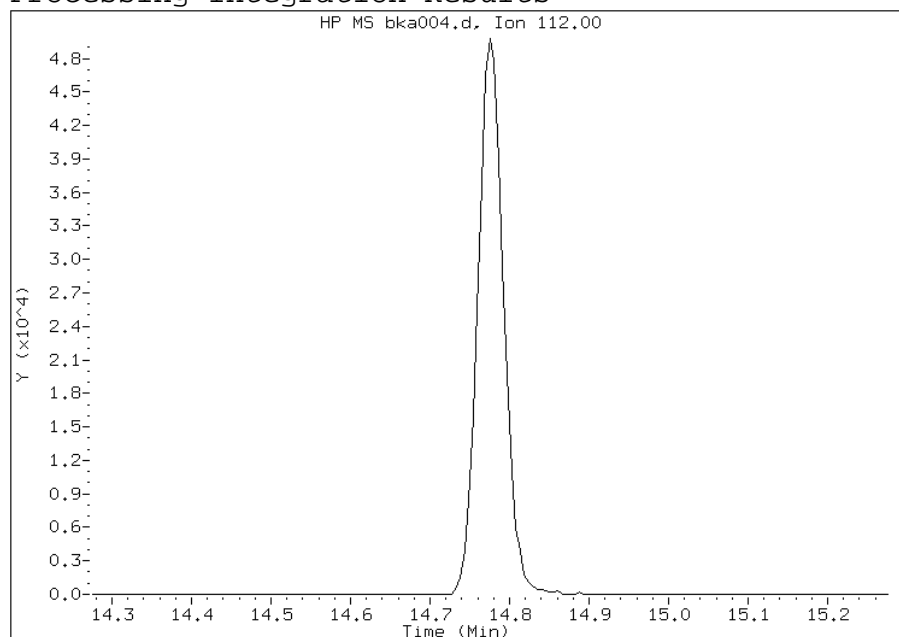
Manual Integration Report

Data File: bka004.d
Lab Sample ID: ic 132517
Inj. Date and Time: 19-APR-2011 13:57
Instrument ID: B.i
Client ID: ic 132517
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 04/20/2011

Processing Integration Results

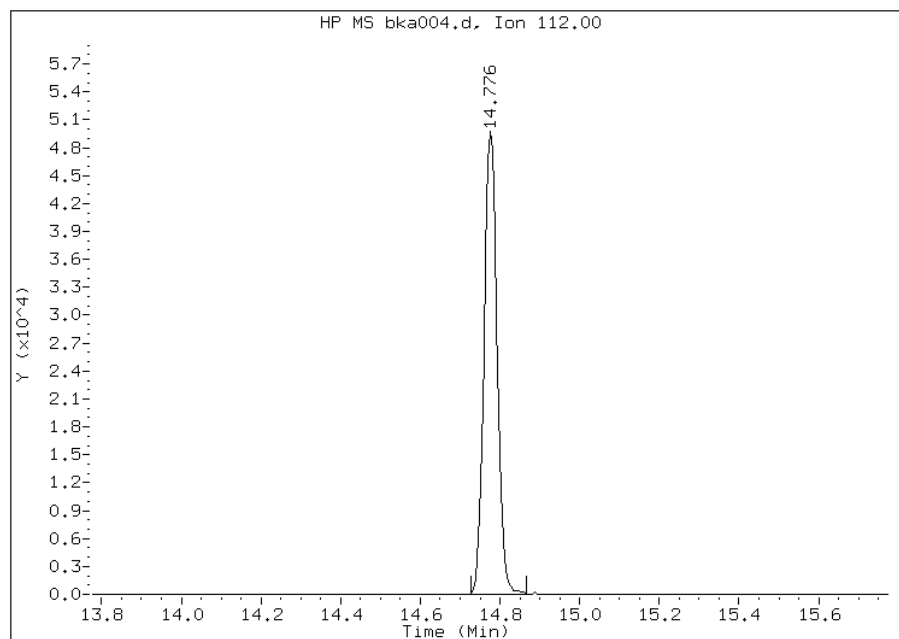
Not Detected

Expected RT: 14.78



Manual Integration Results

RT: 14.78
Response: 112419
Amount: 0.520351
Conc: 0.520351



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka005.d
Lab Smp Id: ic 132507 Client Smp ID: ic 132507
Inj Date : 19-APR-2011 14:50
Operator : wrd Inst ID: B.i
Smp Info : ic 132507
Misc Info : 200,1, level3
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 14:50 Cal File: bka005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.986	2.992	(0.325)	78924	5.00000	5.5	
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	502030	5.00000	5.7	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	205100	5.00000	5.6	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	494039	5.00000	5.8	
5 Chloromethane	50	3.339	3.339	(0.363)	102530	5.00000	5.6	
6 Butane	43	3.483	3.488	(0.379)	175543	5.00000	5.5	
7 Vinyl chloride	62	3.515	3.520	(0.382)	141123	5.00000	5.6	
8 1,3-Butadiene	54	3.568	3.574	(0.388)	102416	5.00000	5.6	
9 Bromomethane	94	4.128	4.129	(0.449)	256646	5.00000	5.6	
10 Chloroethane	64	4.326	4.326	(0.470)	122523	5.00000	5.6	
11 2-Methylbutane	43	4.395	4.401	(0.478)	232723	5.00000	5.5	
12 Vinyl bromide	106	4.700	4.705	(0.511)	320336	5.00000	5.3	
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	809602	5.00000	5.5	
14 Pentane	43	4.924	4.924	(0.535)	375708	5.00000	5.6	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	180325	10.0000	11
16 Ethyl ether	59	5.420	5.415	(0.589)	202790	5.00000	5.5
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	626099	5.00000	5.2
18 Acrolein	56	5.762	5.756	(0.626)	109057	5.00000	5.6
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	295670	5.00000	5.1
20 Acetone	43	6.050	6.045	(0.658)	349748	5.00000	5.7
21 Carbon disulfide	76	6.263	6.269	(0.681)	867508	5.00000	5.4
22 Isopropanol	45	6.338	6.322	(0.689)	266746	5.00000	5.4
23 Allyl chloride	41	6.541	6.541	(0.711)	293997	5.00000	5.5
24 Acetonitrile	41	6.626	6.626	(0.720)	180830	5.00000	5.7
25 Methylene chloride	49	6.797	6.802	(0.739)	274088	5.00000	5.5
26 Tert-butyl alcohol	59	7.048	7.037	(0.766)	423784	5.00000	5.3
27 Methyl tert-butyl ether	73	7.192	7.187	(0.782)	831713	5.00000	5.4
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	414936	5.00000	5.6
29 Acrylonitrile	53	7.288	7.288	(0.792)	186303	5.00000	5.2
30 n-Hexane	57	7.528	7.528	(0.818)	445282	5.00000	5.5
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	512072	5.00000	5.5
32 Vinyl acetate	43	7.966	7.966	(0.866)	627758	5.00000	5.7
M 33 1,2-Dichloroethene,Total	61				757746	10.0000	11
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	342810	5.00000	5.3
35 Ethyl acetate	88	8.878	8.878	(0.965)	28972	5.00000	5.2
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	149245	5.00000	5.4
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	616523	10.0000	
38 Tetrahydrofuran	42	9.257	9.252	(0.873)	277844	5.00000	5.7
39 Chloroform	83	9.279	9.284	(1.009)	634308	5.00000	5.4
40 Cyclohexane	84	9.529	9.535	(0.898)	466042	5.00000	5.3
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	675728	5.00000	5.2
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	728934	5.00000	5.1
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	1392904	5.00000	5.5
44 Benzene	78	10.052	10.053	(0.948)	991001	5.00000	5.4
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	390176	5.00000	5.5
46 n-Heptane	43	10.277	10.282	(0.969)	469663	5.00000	5.6
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)	3039539	10.0000	
48 n-Butanol	56	10.917	10.906	(1.029)	133880	5.00000	4.9(a)
49 Trichloroethene	95	10.970	10.971	(1.034)	453917	5.00000	5.2
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	332990	5.00000	5.4
51 Methyl methacrylate	69	11.413	11.408	(1.076)	337036	5.00000	5.3
52 Dibromomethane	174	11.520	11.520	(1.086)	383976	5.00000	4.8
53 1,4-Dioxane	88	11.541	11.520	(1.088)	144977	5.00000	5.1
54 Bromodichloromethane	83	11.696	11.702	(1.103)	701999	5.00000	5.3
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	542290	5.00000	5.3
56 Methyl isobutyl ketone	43	12.523	12.518	(1.181)	584654	5.00000	5.6
57 n-Octane	43	12.753	12.758	(1.202)	655365	5.00000	5.9
58 Toluene	92	12.748	12.748	(0.865)	781089	5.00000	5.3
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	563840	5.00000	5.4
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	358827	5.00000	5.3
61 Tetrachloroethene	166	13.516	13.516	(0.917)	620880	5.00000	4.8

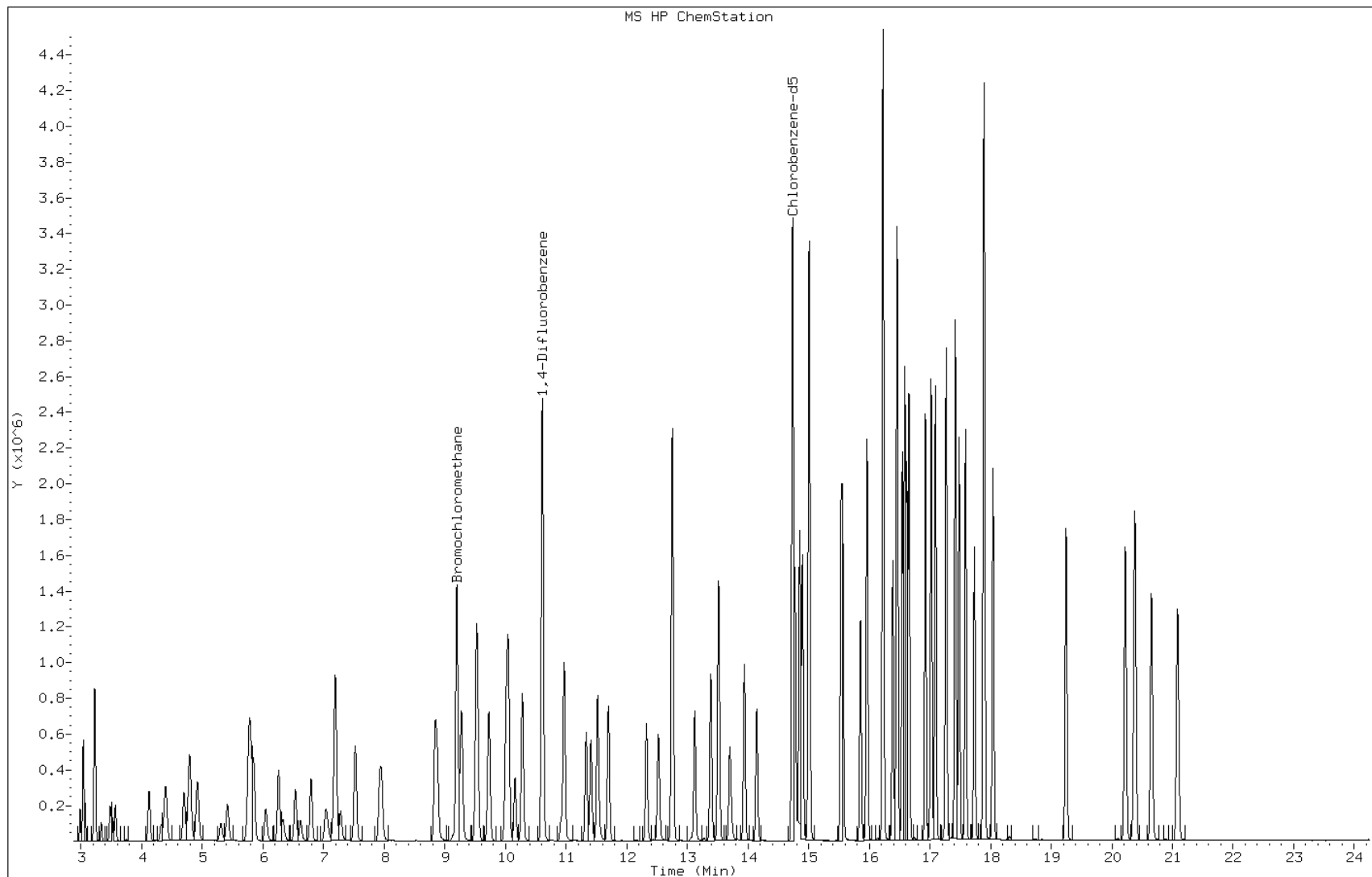
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.703	13.698	(0.930)	557625	5.00000	5.5
63 Dibromochloromethane	129	13.943	13.943	(0.946)	772883	5.00000	5.1
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	707667	5.00000	5.2
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2810687	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	1122647	5.00000	5.1
67 n-Nonane	57	14.898	14.899	(1.011)	693477	5.00000	5.7
68 Ethylbenzene	91	14.856	14.856	(1.008)	1695154	5.00000	5.3
69 Xylene (m,p)	106	15.010	15.011	(1.018)	1441619	10.0000	11
M 70 Xylenes, Total	106				2146487	5.00000	16
71 Xylene (o)	106	15.539	15.539	(1.054)	704868	5.00000	5.3
72 Styrene	104	15.565	15.566	(1.056)	1103670	5.00000	5.4
73 Bromoform	173	15.859	15.859	(1.076)	729089	5.00000	5.1
74 Isopropylbenzene	105	15.966	15.966	(1.083)	1981597	5.00000	5.3
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	956857	5.00000	5.5
76 n-Propylbenzene	91	16.457	16.457	(1.117)	2315600	5.00000	5.6
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	718234	5.00000	5.7
78 n-Decane	57	16.547	16.548	(1.123)	876257	5.00000	5.8
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	2062836	5.00000	5.4
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	1787802	5.00000	5.4
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	1701394	5.00000	5.3
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	926397	5.00000	5.5
83 tert-butylbenzene	119	17.022	17.023	(1.155)	1666522	5.00000	5.2
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	1709235	5.00000	5.4
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	2474045	5.00000	5.4
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	2147098	5.00000	5.4
87 1,3-Dichlorobenzene	146	17.481	17.487	(1.186)	1186297	5.00000	5.1
88 1,4-Dichlorobenzene	146	17.593	17.594	(1.194)	1197028	5.00000	5.1
89 Benzyl chloride	91	17.738	17.738	(1.204)	1462331	5.00000	5.5
90 Undecane	57	17.887	17.887	(1.214)	939939	5.00000	6.6
91 n-Butylbenzene	91	17.903	17.903	(1.215)	1856882	5.00000	5.9
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	1127843	5.00000	5.0
93 Dodecane	57	19.243	19.243	(1.306)	838092	5.00000	6.1
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	838392	5.00000	5.0
95 1,3-Hexachlorobutadiene	225	20.379	20.380	(1.383)	563694	5.00000	5.2
96 Naphthalene	128	20.652	20.652	(1.401)	1925403	5.00000	5.2
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	719385	5.00000	5.4

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bka005.d
Client ID: ic 132507
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132507
Lab Sample ID: ic 132507

Date: 19-APR-2011 14:50
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka006.d
Lab Smp Id: icis 132424 Client Smp ID: icis 132424
Inj Date : 19-APR-2011 15:42
Operator : wrd Inst ID: B.i
Smp Info : icis 132424
Misc Info : 200,1, level4
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 15:42 Cal File: bka006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	157036	10.0000	10	
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	985236	10.0000	10	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	404323	10.0000	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	952741	10.0000	10	
5 Chloromethane	50	3.339	3.339	(0.363)	199065	10.0000	10	
6 Butane	43	3.488	3.488	(0.379)	350040	10.0000	10	
7 Vinyl chloride	62	3.520	3.520	(0.383)	280384	10.0000	10	
8 1,3-Butadiene	54	3.574	3.574	(0.388)	204529	10.0000	10	
9 Bromomethane	94	4.129	4.129	(0.449)	507343	10.0000	10	
10 Chloroethane	64	4.326	4.326	(0.470)	243724	10.0000	10	
11 2-Methylbutane	43	4.401	4.401	(0.478)	458860	10.0000	10	
12 Vinyl bromide	106	4.705	4.705	(0.511)	665831	10.0000	10	
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	1633753	10.0000	10	
14 Pentane	43	4.924	4.924	(0.535)	757371	10.0000	10	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	277452	15.0000	15
16 Ethyl ether	59	5.415	5.415	(0.589)	415462	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	1308658	10.0000	10
18 Acrolein	56	5.756	5.756	(0.626)	223067	10.0000	11
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	626482	10.0000	10
20 Acetone	43	6.045	6.045	(0.657)	690460	10.0000	10
21 Carbon disulfide	76	6.269	6.269	(0.681)	1783437	10.0000	10
22 Isopropanol	45	6.322	6.322	(0.687)	551572	10.0000	10
23 Allyl chloride	41	6.541	6.541	(0.711)	584735	10.0000	10
24 Acetonitrile	41	6.626	6.626	(0.720)	371388	10.0000	11
25 Methylene chloride	49	6.802	6.802	(0.739)	543966	10.0000	10
26 Tert-butyl alcohol	59	7.037	7.037	(0.765)	890814	10.0000	10
27 Methyl tert-butyl ether	73	7.187	7.187	(0.781)	1718621	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	831789	10.0000	10
29 Acrylonitrile	53	7.288	7.288	(0.792)	393900	10.0000	10
30 n-Hexane	57	7.528	7.528	(0.818)	903827	10.0000	10
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1047397	10.0000	10
32 Vinyl acetate	43	7.966	7.966	(0.866)	1270715	10.0000	11
M 33 1,2-Dichloroethene,Total	61				1555747	20.0000	21
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	723958	10.0000	10
35 Ethyl acetate	88	8.878	8.878	(0.965)	62334	10.0000	10
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	306515	10.0000	10
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	664703	10.0000	
38 Tetrahydrofuran	42	9.252	9.252	(0.872)	549976	10.0000	11
39 Chloroform	83	9.284	9.284	(1.009)	1297438	10.0000	10
40 Cyclohexane	84	9.535	9.535	(0.899)	972088	10.0000	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	1406951	10.0000	10
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1537837	10.0000	10
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.945)	2800540	10.0000	10
44 Benzene	78	10.053	10.053	(0.948)	2016732	10.0000	10
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	785354	10.0000	10
46 n-Heptane	43	10.282	10.282	(0.969)	931596	10.0000	10
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3233933	10.0000	
48 n-Butanol	56	10.906	10.906	(1.028)	293274	10.0000	10
49 Trichloroethene	95	10.971	10.971	(1.034)	951917	10.0000	10
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	677216	10.0000	10
51 Methyl methacrylate	69	11.408	11.408	(1.075)	706275	10.0000	10
52 Dibromomethane	174	11.520	11.520	(1.086)	857899	10.0000	10
53 1,4-Dioxane	88	11.520	11.520	(1.086)	301353	10.0000	10
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1456744	10.0000	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1144207	10.0000	11
56 Methyl isobutyl ketone	43	12.518	12.518	(1.180)	1164686	10.0000	10
57 n-Octane	43	12.758	12.758	(1.203)	1245389	10.0000	10
58 Toluene	92	12.748	12.748	(0.865)	1616891	10.0000	10
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1174900	10.0000	11
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	740832	10.0000	10
61 Tetrachloroethene	166	13.516	13.516	(0.917)	1383728	10.0000	10

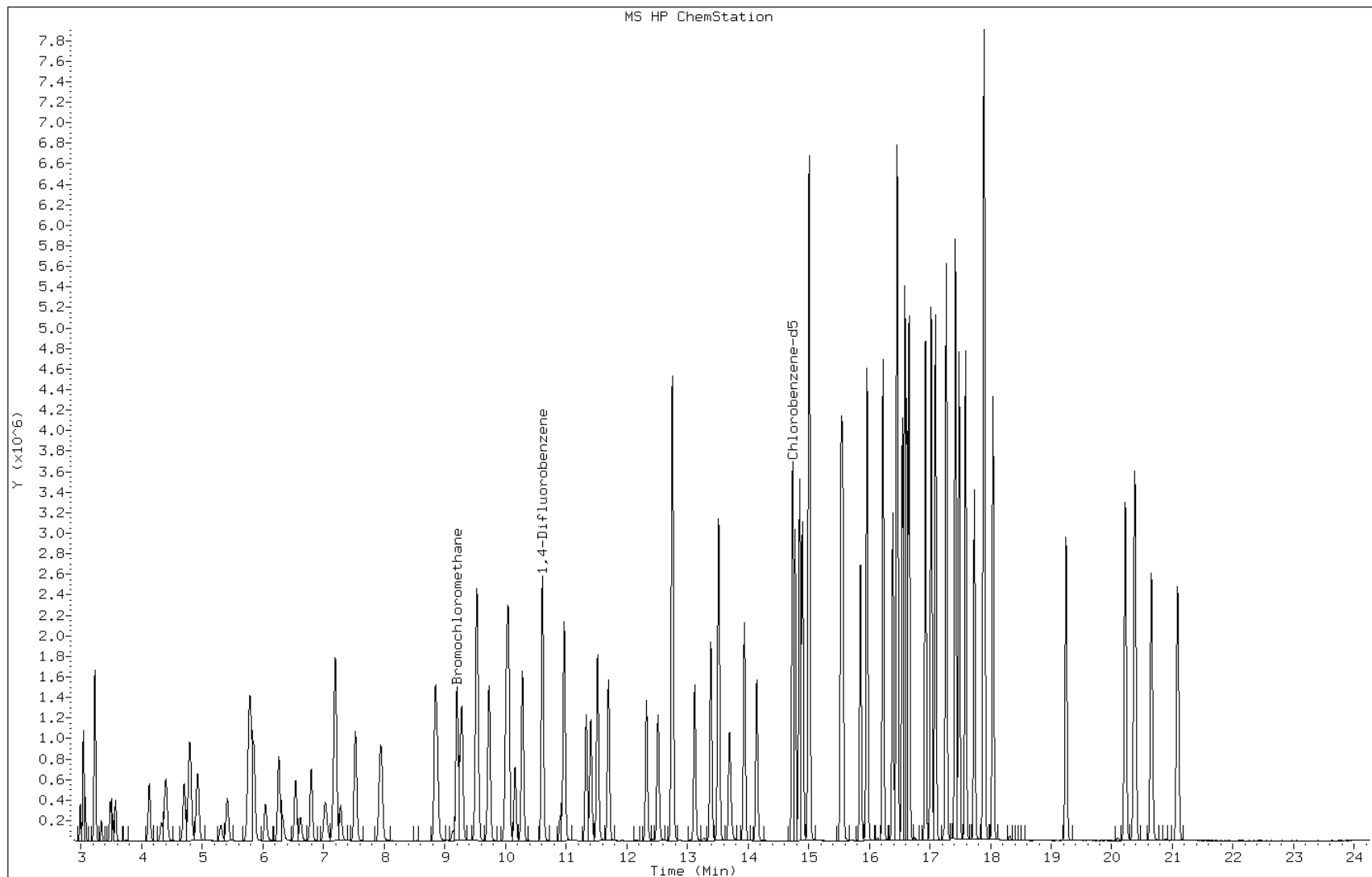
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.698	13.698	(0.929)	1131495	10.0000	10
63 Dibromochloromethane	129	13.943	13.943	(0.946)	1687154	10.0000	10
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1495820	10.0000	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2984175	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	2367246	10.0000	10
67 n-Nonane	57	14.899	14.899	(1.011)	1352992	10.0000	10
68 Ethylbenzene	91	14.856	14.856	(1.008)	3478843	10.0000	10
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3001987	20.0000	21
M 70 Xylenes, Total	106				4479458	10.0000	32
71 Xylene (o)	106	15.539	15.539	(1.054)	1477471	10.0000	10
72 Styrene	104	15.566	15.566	(1.056)	2323410	10.0000	11
73 Bromoform	173	15.859	15.859	(1.076)	1630994	10.0000	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	4131269	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	1929623	10.0000	10
76 n-Propylbenzene	91	16.457	16.457	(1.117)	4648395	10.0000	11
77 1,2,3-Trichloropropane	75	16.468	16.468	(1.117)	1414747	10.0000	11
78 n-Decane	57	16.548	16.548	(1.123)	1681924	10.0000	10
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	4267098	10.0000	11
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	3601023	10.0000	10(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	3530271	10.0000	10
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	1973580	10.0000	11
83 tert-butylbenzene	119	17.023	17.023	(1.155)	3481398	10.0000	10
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	3525067	10.0000	10
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	5084068	10.0000	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	4468517	10.0000	11
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	2573541	10.0000	10
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	2587919	10.0000	10
89 Benzyl chloride	91	17.738	17.738	(1.204)	3029817	10.0000	11
90 Undecane	57	17.887	17.887	(1.214)	1686620	10.0000	11
91 n-Butylbenzene	91	17.903	17.903	(1.215)	3610451	10.0000	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	2416697	10.0000	10
93 Dodecane	57	19.243	19.243	(1.306)	1418552	10.0000	9.7
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	1724492	10.0000	9.8
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1125968	10.0000	9.8
96 Naphthalene	128	20.652	20.652	(1.401)	3680670	10.0000	9.4
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	1415603	10.0000	9.9

QC Flag Legend

M - Compound response manually integrated.

Data File: bka006.d
Client ID: icis 132424
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 132424
Lab Sample ID: icis 132424

Date: 19-APR-2011 15:42
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



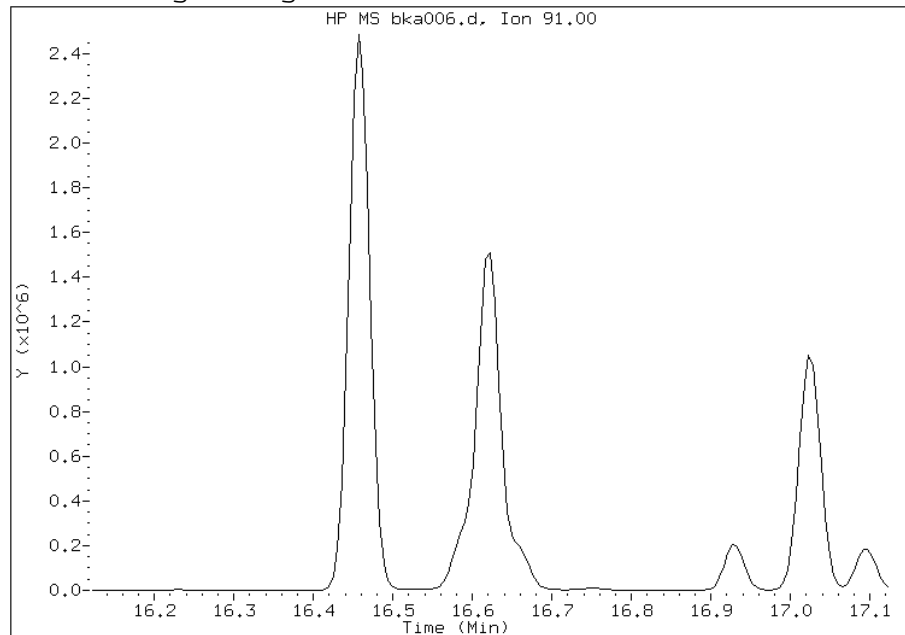
Manual Integration Report

Data File: bka006.d
Lab Sample ID: icis 132424
Inj. Date and Time: 19-APR-2011 15:42
Instrument ID: B.i
Client ID: icis 132424
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

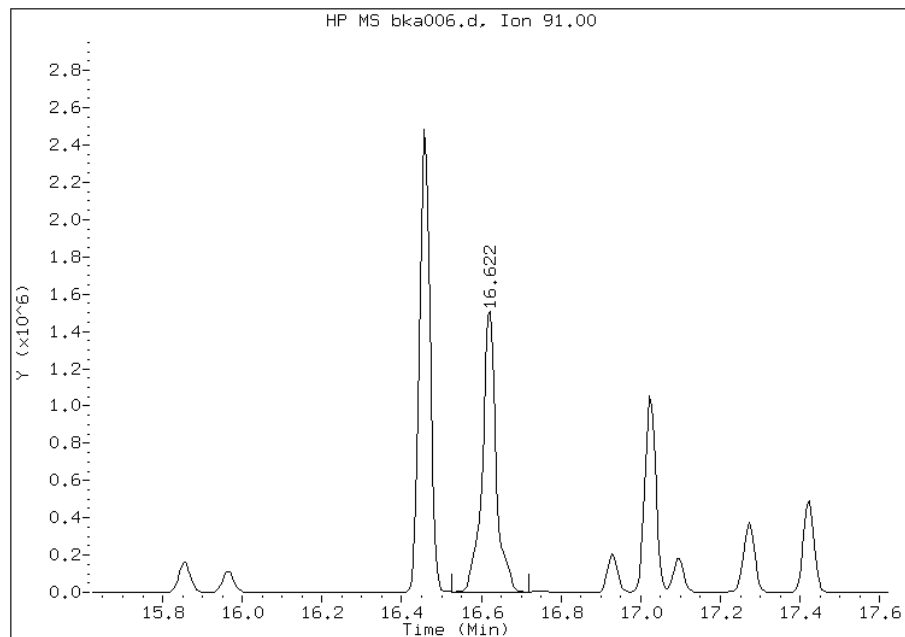
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 3601023
Amount: 10.33
Conc: 10.33



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka007.d
Lab Smp Id: ic 132422 Client Smp ID: ic 132422
Inj Date : 19-APR-2011 16:34
Operator : wrd Inst ID: B.i
Smp Info : ic 132422
Misc Info : 200,1, level5
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 19-APR-2011 16:34 Cal File: bka007.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	231639	15.0000	14
2 Dichlorodifluoromethane	85	3.045	3.040	(0.331)	1437377	15.0000	14
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	598766	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	1391401	15.0000	14
5 Chloromethane	50	3.339	3.339	(0.363)	293350	15.0000	14
6 Butane	43	3.488	3.488	(0.379)	521368	15.0000	14
7 Vinyl chloride	62	3.520	3.520	(0.382)	418232	15.0000	14
8 1,3-Butadiene	54	3.574	3.574	(0.388)	304903	15.0000	14
9 Bromomethane	94	4.129	4.129	(0.449)	753036	15.0000	14
10 Chloroethane	64	4.331	4.326	(0.471)	362414	15.0000	14
11 2-Methylbutane	43	4.406	4.401	(0.479)	673404	15.0000	14
12 Vinyl bromide	106	4.705	4.705	(0.511)	1014869	15.0000	15
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	2465621	15.0000	15
14 Pentane	43	4.929	4.924	(0.536)	1117488	15.0000	14

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	379947	20.0000	20
16 Ethyl ether	59	5.415	5.415	(0.588)	631491	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.629)	2009307	15.0000	15
18 Acrolein	56	5.756	5.756	(0.625)	337707	15.0000	15
19 1,1-Dichloroethene	96	5.858	5.852	(0.636)	972662	15.0000	15
20 Acetone	43	6.045	6.045	(0.657)	1039866	15.0000	15
21 Carbon disulfide	76	6.269	6.269	(0.681)	2713282	15.0000	15
22 Isopropanol	45	6.317	6.322	(0.686)	847756	15.0000	15
23 Allyl chloride	41	6.546	6.541	(0.711)	881080	15.0000	14
24 Acetonitrile	41	6.626	6.626	(0.720)	536407	15.0000	15
25 Methylene chloride	49	6.802	6.802	(0.739)	805880	15.0000	14
26 Tert-butyl alcohol	59	7.032	7.037	(0.764)	1372891	15.0000	15
27 Methyl tert-butyl ether	73	7.181	7.187	(0.780)	2639589	15.0000	15
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	1238608	15.0000	15
29 Acrylonitrile	53	7.288	7.288	(0.792)	598039	15.0000	15
30 n-Hexane	57	7.534	7.528	(0.818)	1350889	15.0000	14
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1567056	15.0000	15
32 Vinyl acetate	43	7.966	7.966	(0.865)	1911252	15.0000	15
M 33 1,2-Dichloroethene,Total	61				2350649	30.0000	29
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	1112041	15.0000	15
35 Ethyl acetate	88	8.879	8.878	(0.965)	97227	15.0000	15
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	477196	15.0000	15(Q)
* 37 Bromochloromethane	128	9.204	9.199	(1.000)	707722	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.871)	813871	15.0000	15
39 Chloroform	83	9.284	9.284	(1.009)	1978722	15.0000	15
40 Cyclohexane	84	9.535	9.535	(0.898)	1478653	15.0000	15
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.897)	2154019	15.0000	15
42 Carbon tetrachloride	117	9.732	9.727	(0.917)	2395919	15.0000	15
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.944)	4144876	15.0000	15
44 Benzene	78	10.053	10.053	(0.947)	3037856	15.0000	15
45 1,2-Dichloroethane	62	10.159	10.159	(0.957)	1188146	15.0000	15
46 n-Heptane	43	10.282	10.282	(0.969)	1364777	15.0000	14
* 47 1,4-Difluorobenzene	114	10.613	10.608	(1.000)	3405381	10.0000	
48 n-Butanol	56	10.901	10.906	(1.027)	456578	15.0000	15
49 Trichloroethene	95	10.971	10.971	(1.034)	1448406	15.0000	15
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	1021765	15.0000	15
51 Methyl methacrylate	69	11.408	11.408	(1.075)	1090133	15.0000	15
52 Dibromomethane	174	11.520	11.520	(1.085)	1398287	15.0000	15
53 1,4-Dioxane	88	11.515	11.520	(1.085)	478246	15.0000	15
54 Bromodichloromethane	83	11.702	11.702	(1.103)	2220179	15.0000	15
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.161)	1754409	15.0000	15
56 Methyl isobutyl ketone	43	12.513	12.518	(1.179)	1747319	15.0000	15
57 n-Octane	43	12.758	12.758	(1.202)	1758731	15.0000	14
58 Toluene	92	12.753	12.748	(0.865)	2427829	15.0000	15
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.236)	1810182	15.0000	15
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1124926	15.0000	15
61 Tetrachloroethene	166	13.522	13.516	(0.917)	2248125	15.0000	15

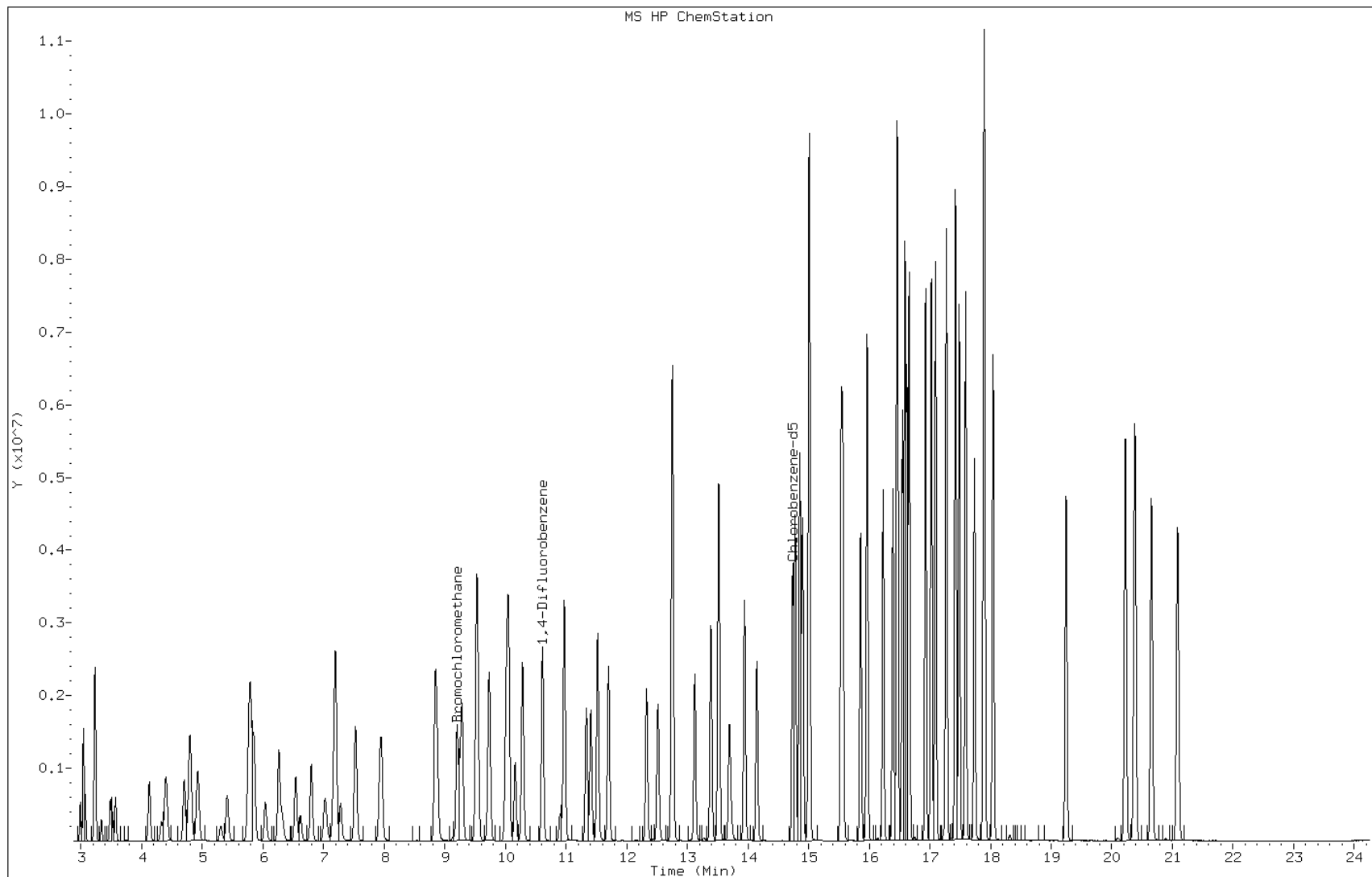
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1718705	15.0000	15
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2666927	15.0000	16
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2340956	15.0000	15
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3135785	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	3699222	15.0000	15
67 n-Nonane	57	14.904	14.899	(1.011)	1983573	15.0000	15
68 Ethylbenzene	91	14.856	14.856	(1.008)	5291212	15.0000	15
69 Xylene (m,p)	106	15.011	15.011	(1.018)	4531499	30.0000	30
M 70 Xylenes, Total	106				6814394	15.0000	46
71 Xylene (o)	106	15.539	15.539	(1.054)	2282895	15.0000	15
72 Styrene	104	15.566	15.566	(1.056)	3599092	15.0000	16
73 Bromoform	173	15.859	15.859	(1.076)	2631689	15.0000	17
74 Isopropylbenzene	105	15.966	15.966	(1.083)	6398313	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2923189	15.0000	15
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6897586	15.0000	15
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	2073399	15.0000	15
78 n-Decane	57	16.553	16.548	(1.123)	2436164	15.0000	14
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	6556164	15.0000	15
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	5446135	15.0000	15
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	5409454	15.0000	15
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	3126546	15.0000	17
83 tert-butylbenzene	119	17.028	17.023	(1.155)	5434934	15.0000	15
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	5458639	15.0000	15
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	7804179	15.0000	15
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6989529	15.0000	16
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	4123237	15.0000	16
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	4150197	15.0000	16
89 Benzyl chloride	91	17.738	17.738	(1.204)	4753657	15.0000	16
90 Undecane	57	17.887	17.887	(1.214)	2384569	15.0000	15
91 n-Butylbenzene	91	17.903	17.903	(1.215)	5304843	15.0000	15
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	3908806	15.0000	16
93 Dodecane	57	19.243	19.243	(1.306)	2304964	15.0000	15
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	3017684	15.0000	16
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1861681	15.0000	15
96 Naphthalene	128	20.652	20.652	(1.401)	6683018	15.0000	16
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2546768	15.0000	17

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bka007.d
Client ID: ic 132422
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132422
Lab Sample ID: ic 132422

Date: 19-APR-2011 16:34
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka008.d
Lab Smp Id: ic 132406 Client Smp ID: ic 132406
Inj Date : 19-APR-2011 17:27
Operator : wrd Inst ID: B.i
Smp Info : ic 132406
Misc Info : 200,1, level6
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 19-APR-2011 17:27 Cal File: bka008.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	300120	20.0000	17
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1827829	20.0000	17
3 Chlorodifluoromethane	51	3.067	3.072	(0.333)	766295	20.0000	17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1762200	20.0000	17
5 Chloromethane	50	3.333	3.339	(0.362)	383654	20.0000	17
6 Butane	43	3.483	3.488	(0.379)	657804	20.0000	17
7 Vinyl chloride	62	3.515	3.520	(0.382)	529337	20.0000	17
8 1,3-Butadiene	54	3.568	3.574	(0.388)	384173	20.0000	17
9 Bromomethane	94	4.123	4.129	(0.448)	947441	20.0000	17
10 Chloroethane	64	4.326	4.326	(0.470)	455574	20.0000	17
11 2-Methylbutane	43	4.395	4.401	(0.478)	837817	20.0000	17
12 Vinyl bromide	106	4.700	4.705	(0.511)	1306088	20.0000	18
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	3170080	20.0000	18
14 Pentane	43	4.924	4.924	(0.535)	1390176	20.0000	17

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.297	5.308 (0.576)		727156	40.0000	36
16 Ethyl ether	59	5.404	5.415 (0.587)		821517	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788 (0.630)		2660922	20.0000	18
18 Acrolein	56	5.751	5.756 (0.625)		435833	20.0000	19
19 1,1-Dichloroethene	96	5.852	5.852 (0.636)		1286652	20.0000	19
20 Acetone	43	6.034	6.045 (0.656)		1348308	20.0000	18
21 Carbon disulfide	76	6.263	6.269 (0.681)		3566337	20.0000	18
22 Isopropanol	45	6.301	6.322 (0.685)		1112244	20.0000	19
23 Allyl chloride	41	6.541	6.541 (0.711)		1154713	20.0000	18
24 Acetonitrile	41	6.621	6.626 (0.720)		696363	20.0000	18
25 Methylene chloride	49	6.797	6.802 (0.739)		1037427	20.0000	17
26 Tert-butyl alcohol	59	7.011	7.037 (0.762)		1822781	20.0000	19
27 Methyl tert-butyl ether	73	7.176	7.187 (0.780)		3458603	20.0000	19
28 1,2-Dichloroethene (trans)	61	7.203	7.203 (0.783)		1596852	20.0000	18
29 Acrylonitrile	53	7.283	7.288 (0.792)		780949	20.0000	18
30 n-Hexane	57	7.528	7.528 (0.818)		1747428	20.0000	18
31 1,1-Dichloroethane	63	7.934	7.934 (0.862)		2029629	20.0000	18
32 Vinyl acetate	43	7.961	7.966 (0.865)		2439891	20.0000	18
M 33 1,2-Dichloroethene,Total	61				3071769	40.0000	37
34 1,2-Dichloroethene (cis)	96	8.836	8.836 (0.961)		1474917	20.0000	19
35 Ethyl acetate	88	8.873	8.878 (0.965)		128917	20.0000	19
36 Methyl Ethyl Ketone	72	8.846	8.857 (0.962)		615079	20.0000	18(Q)
* 37 Bromochloromethane	128	9.199	9.199 (1.000)		739787	10.0000	
38 Tetrahydrofuran	42	9.241	9.252 (0.871)		1047298	20.0000	18
39 Chloroform	83	9.284	9.284 (1.009)		2598681	20.0000	18
40 Cyclohexane	84	9.535	9.535 (0.898)		1918754	20.0000	19
41 1,1,1-Trichloroethane	97	9.524	9.524 (0.897)		2824174	20.0000	19
42 Carbon tetrachloride	117	9.727	9.727 (0.917)		3200971	20.0000	19
43 2,2,4-Trimethylpentane	57	10.021	10.021 (0.944)		5307613	20.0000	18
44 Benzene	78	10.053	10.053 (0.947)		3947918	20.0000	18
45 1,2-Dichloroethane	62	10.159	10.159 (0.957)		1533949	20.0000	18
46 n-Heptane	43	10.282	10.282 (0.969)		1730671	20.0000	18
* 47 1,4-Difluorobenzene	114	10.613	10.608 (1.000)		3530481	10.0000	
48 n-Butanol	56	10.880	10.906 (1.025)		616899	20.0000	19
49 Trichloroethene	95	10.971	10.971 (1.034)		1916872	20.0000	19
50 1,2-Dichloropropane	63	11.333	11.333 (1.068)		1320810	20.0000	19
51 Methyl methacrylate	69	11.403	11.408 (1.074)		1421973	20.0000	19
52 Dibromomethane	174	11.520	11.520 (1.085)		1909592	20.0000	20
53 1,4-Dioxane	88	11.504	11.520 (1.084)		643239	20.0000	20
54 Bromodichloromethane	83	11.702	11.702 (1.103)		2909545	20.0000	19
55 1,3-Dichloropropene (cis)	75	12.326	12.326 (1.161)		2300228	20.0000	19
56 Methyl isobutyl ketone	43	12.508	12.518 (1.179)		2241078	20.0000	18
57 n-Octane	43	12.758	12.758 (1.202)		2171293	20.0000	17
58 Toluene	92	12.748	12.748 (0.865)		3127459	20.0000	18
59 1,3-Dichloropropene (trans)	75	13.121	13.121 (1.236)		2373295	20.0000	20
60 1,1,2-Trichloroethane	83	13.388	13.388 (0.908)		1479875	20.0000	19
61 Tetrachloroethene	166	13.522	13.516 (0.917)		3066934	20.0000	21

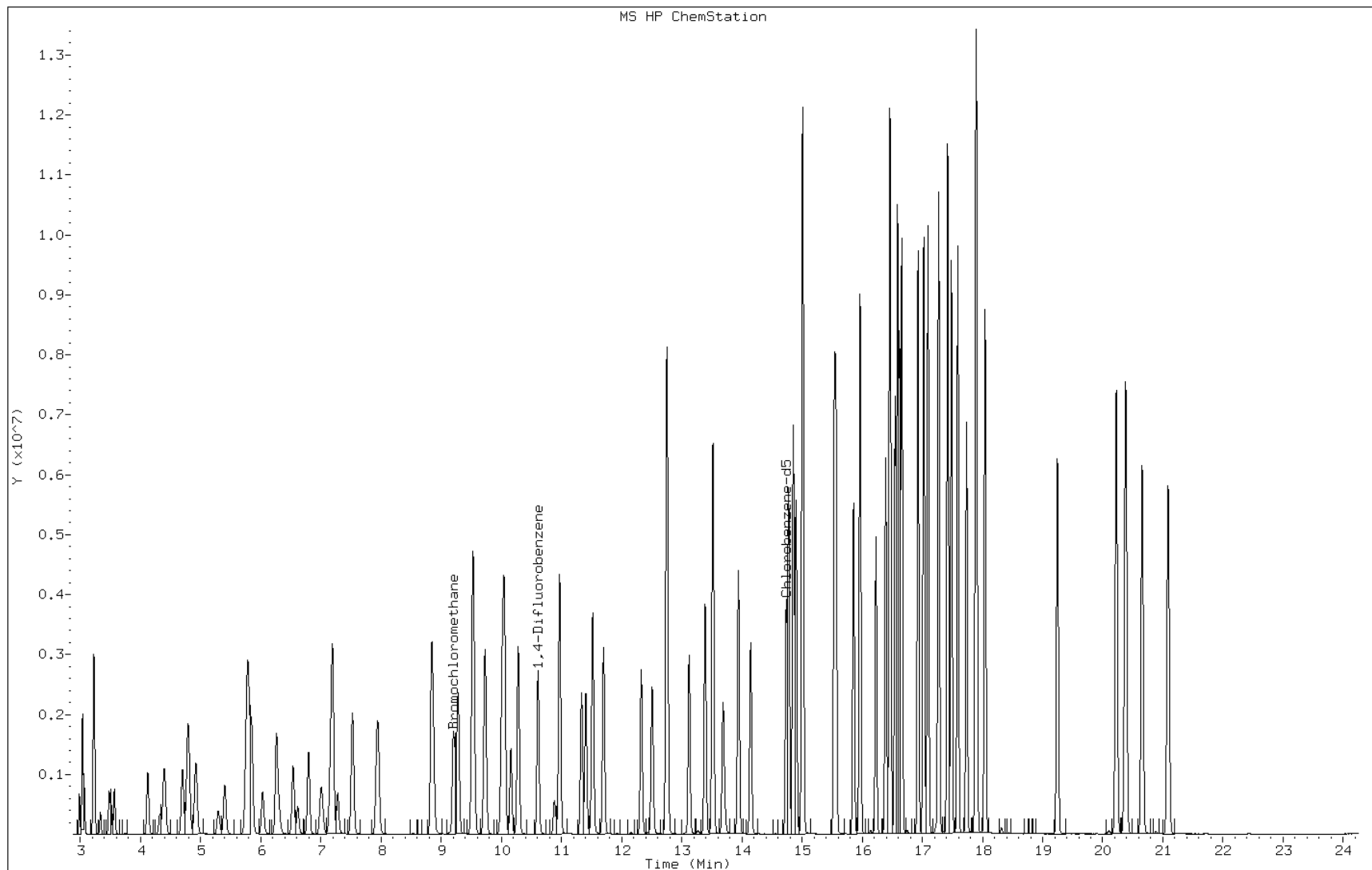
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.687	13.698	(0.929)	2214121	20.0000	19
63 Dibromochloromethane	129	13.943	13.943	(0.946)	3574952	20.0000	21
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	3103635	20.0000	20
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3227755	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	4913972	20.0000	19
67 n-Nonane	57	14.904	14.899	(1.011)	2497679	20.0000	18
68 Ethylbenzene	91	14.856	14.856	(1.008)	6889927	20.0000	19
69 Xylene (m,p)	106	15.011	15.011	(1.018)	5806766	40.0000	38
M 70 Xylenes, Total	106				8787539	20.0000	57
71 Xylene (o)	106	15.539	15.539	(1.054)	2980773	20.0000	19
72 Styrene	104	15.566	15.566	(1.056)	4712279	20.0000	20
73 Bromoform	173	15.859	15.859	(1.076)	3545428	20.0000	22
74 Isopropylbenzene	105	15.966	15.966	(1.083)	8423912	20.0000	20
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	3764719	20.0000	19
76 n-Propylbenzene	91	16.457	16.457	(1.117)	8754898	20.0000	19
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	2616172	20.0000	18
78 n-Decane	57	16.553	16.548	(1.123)	3035655	20.0000	18
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	8477020	20.0000	19
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	7029702	20.0000	19(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	7092974	20.0000	19
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	4156543	20.0000	21
83 tert-butylbenzene	119	17.028	17.023	(1.155)	7161981	20.0000	20
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	7137272	20.0000	20
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	10115821	20.0000	19
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	9138941	20.0000	20
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	5539311	20.0000	21
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	5577771	20.0000	21
89 Benzyl chloride	91	17.738	17.738	(1.204)	6271146	20.0000	21
90 Undecane	57	17.887	17.887	(1.214)	2911051	20.0000	18
91 n-Butylbenzene	91	17.903	17.903	(1.215)	6615177	20.0000	18
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	5266072	20.0000	21
93 Dodecane	57	19.243	19.243	(1.306)	3039375	20.0000	19
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	4124576	20.0000	22
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	2531888	20.0000	20
96 Naphthalene	128	20.652	20.652	(1.401)	8929532	20.0000	21
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	3515989	20.0000	23

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: bka008.d
Client ID: ic 132406
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132406
Lab Sample ID: ic 132406

Date: 19-APR-2011 17:27
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



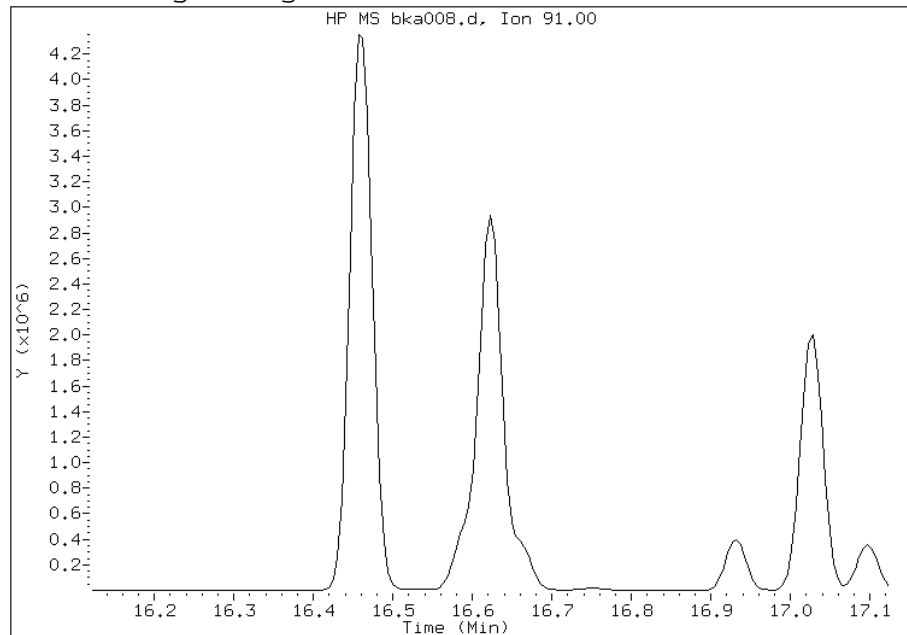
Manual Integration Report

Data File: bka008.d
Lab Sample ID: ic 132406
Inj. Date and Time: 19-APR-2011 17:27
Instrument ID: B.i
Client ID: ic 132406
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

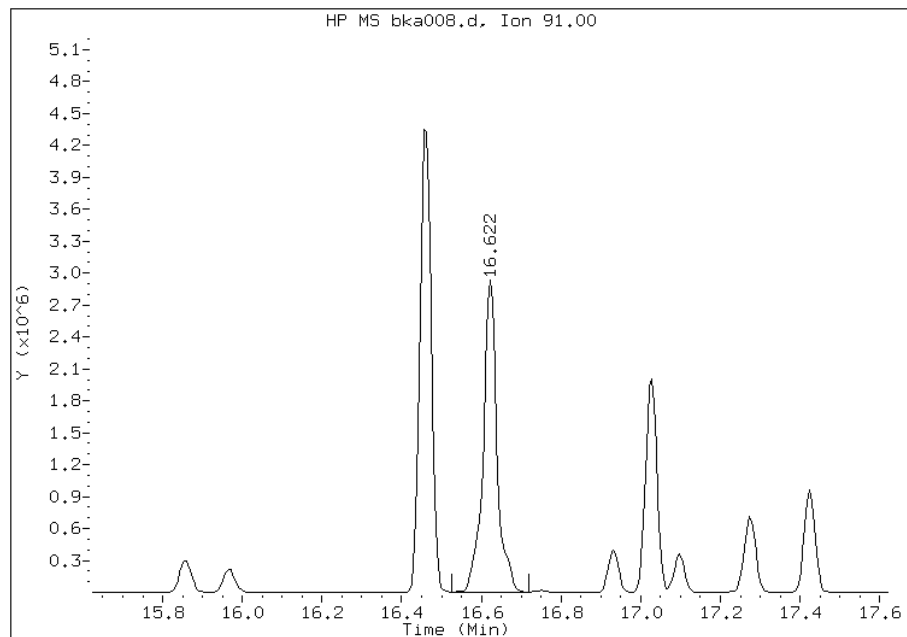
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 7029702
Amount: 18.65
Conc: 18.65



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka009.d
Lab Smp Id: ic 132405 Client Smp ID: ic 132405
Inj Date : 19-APR-2011 18:19
Operator : wrd Inst ID: B.i
Smp Info : ic 132405
Misc Info : 200,1, level7
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 19-APR-2011 18:19 Cal File: bka009.d
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	599770	40.0000	33
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	3524372	40.0000	32
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	1524484	40.0000	33
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	3358935	40.0000	31
5 Chloromethane	50	3.339	3.339	(0.363)	775518	40.0000	33
6 Butane	43	3.483	3.488	(0.378)	1311417	40.0000	32
7 Vinyl chloride	62	3.515	3.520	(0.382)	1063608	40.0000	33
8 1,3-Butadiene	54	3.574	3.574	(0.388)	774512	40.0000	33
9 Bromomethane	94	4.129	4.129	(0.449)	1898835	40.0000	33
10 Chloroethane	64	4.326	4.326	(0.470)	919478	40.0000	33
11 2-Methylbutane	43	4.401	4.401	(0.478)	1662131	40.0000	31
12 Vinyl bromide	106	4.705	4.705	(0.511)	2642602	40.0000	35
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	6439223	40.0000	34
14 Pentane	43	4.929	4.924	(0.536)	2747007	40.0000	32

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.303	5.308	(0.576)	1860972	100.000	88
16 Ethyl ether	59	5.404	5.415	(0.587)	1668086	40.0000	35
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.629)	5443061	40.0000	36
18 Acrolein	56	5.751	5.756	(0.625)	861731	40.0000	35
19 1,1-Dichloroethene	96	5.858	5.852	(0.636)	2679149	40.0000	37
20 Acetone	43	6.034	6.045	(0.656)	2794058	40.0000	36
21 Carbon disulfide	76	6.269	6.269	(0.681)	7245165	40.0000	35
22 Isopropanol	45	6.306	6.322	(0.685)	2446977	40.0000	39
23 Allyl chloride	41	6.546	6.541	(0.711)	2304959	40.0000	34
24 Acetonitrile	41	6.626	6.626	(0.720)	1477909	40.0000	36
25 Methylene chloride	49	6.802	6.802	(0.739)	2075277	40.0000	33
26 Tert-butyl alcohol	59	7.005	7.037	(0.761)	4069174	40.0000	40
27 Methyl tert-butyl ether	73	7.176	7.187	(0.780)	6999335	40.0000	36
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	3127358	40.0000	33
29 Acrylonitrile	53	7.288	7.288	(0.792)	1618249	40.0000	36
30 n-Hexane	57	7.534	7.528	(0.818)	3453171	40.0000	33
31 1,1-Dichloroethane	63	7.939	7.934	(0.863)	4045389	40.0000	34
32 Vinyl acetate	43	7.966	7.966	(0.865)	4793064	40.0000	34
M 33 1,2-Dichloroethene,Total	61				6077558	80.0000	69
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	2950200	40.0000	36
35 Ethyl acetate	88	8.878	8.878	(0.965)	260476	40.0000	37
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	1207999	40.0000	34(Q)
* 37 Bromochloromethane	128	9.204	9.199	(1.000)	781712	10.0000	
38 Tetrahydrofuran	42	9.241	9.252	(0.871)	2084669	40.0000	35
39 Chloroform	83	9.284	9.284	(1.009)	5274929	40.0000	35
40 Cyclohexane	84	9.540	9.535	(0.899)	3724291	40.0000	35
41 1,1,1-Trichloroethane	97	9.530	9.524	(0.898)	5691823	40.0000	37
42 Carbon tetrachloride	117	9.732	9.727	(0.917)	6692210	40.0000	39
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.944)	10092869	40.0000	33
44 Benzene	78	10.058	10.053	(0.948)	7680963	40.0000	34
45 1,2-Dichloroethane	62	10.165	10.159	(0.958)	3132783	40.0000	36
46 n-Heptane	43	10.282	10.282	(0.969)	3292791	40.0000	32
* 47 1,4-Difluorobenzene	114	10.613	10.608	(1.000)	3671116	10.0000	
48 n-Butanol	56	10.880	10.906	(1.025)	1408829	40.0000	43(A)
49 Trichloroethene	95	10.970	10.971	(1.034)	3833558	40.0000	36
50 1,2-Dichloropropane	63	11.339	11.333	(1.068)	2623803	40.0000	35
51 Methyl methacrylate	69	11.408	11.408	(1.075)	2893198	40.0000	38
52 Dibromomethane	174	11.526	11.520	(1.086)	3969697	40.0000	41(A)
53 1,4-Dioxane	88	11.499	11.520	(1.083)	1375223	40.0000	40(A)
54 Bromodichloromethane	83	11.702	11.702	(1.103)	5862932	40.0000	37
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.162)	4661270	40.0000	38
56 Methyl isobutyl ketone	43	12.508	12.518	(1.179)	4388870	40.0000	35
57 n-Octane	43	12.764	12.758	(1.203)	3705391	40.0000	27
58 Toluene	92	12.753	12.748	(0.865)	5654440	40.0000	32
59 1,3-Dichloropropene (trans)	75	13.127	13.121	(1.237)	4813372	40.0000	38
60 1,1,2-Trichloroethane	83	13.393	13.388	(0.908)	2919548	40.0000	36
61 Tetrachloroethene	166	13.522	13.516	(0.917)	6228827	40.0000	40(A)

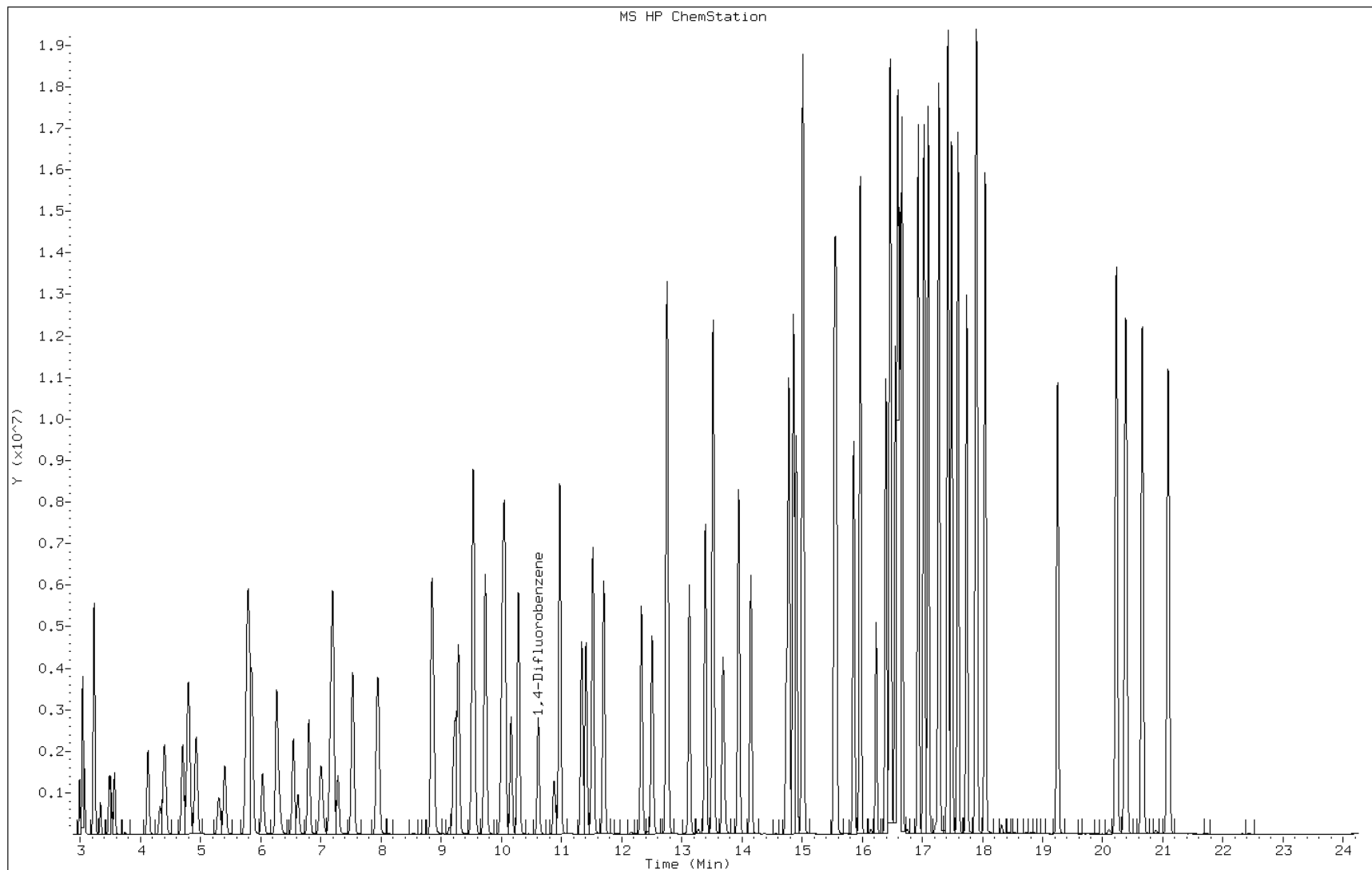
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.687	13.698	(0.928)	4371736	40.0000	36
63 Dibromochloromethane	129	13.948	13.943	(0.946)	7237509	40.0000	40
64 1,2-Dibromoethane	107	14.151	14.146	(0.960)	6238068	40.0000	38
* 65 Chlorobenzene-d5	117	14.744	14.738	(1.000)	3356371	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	9833865	40.0000	37
67 n-Nonane	57	14.904	14.899	(1.011)	4470311	40.0000	31
68 Ethylbenzene	91	14.861	14.856	(1.008)	13273535	40.0000	35
69 Xylene (m,p)	106	15.016	15.011	(1.018)	10154496	80.0000	64
M 70 Xylenes, Total	106				15751384	40.0000	99
71 Xylene (o)	106	15.539	15.539	(1.054)	5596888	40.0000	35
72 Styrene	104	15.571	15.566	(1.056)	8850176	40.0000	37
73 Bromoform	173	15.859	15.859	(1.076)	6819478	40.0000	40
74 Isopropylbenzene	105	15.971	15.966	(1.083)	16038905	40.0000	36
75 1,1,2,2-Tetrachloroethane	83	16.398	16.393	(1.112)	6981701	40.0000	34
76 n-Propylbenzene	91	16.462	16.457	(1.117)	14790847	40.0000	30
77 1,2,3-Trichloropropane	75	16.478	16.468	(1.118)	4487423	40.0000	30
78 n-Decane	57	16.553	16.548	(1.123)	5182772	40.0000	29
79 4-Ethyltoluene	105	16.596	16.585	(1.126)	15123545	40.0000	33
80 2-Chlorotoluene	91	16.628	16.622	(1.128)	12913657	40.0000	33(M)
81 1,3,5-Trimethylbenzene	105	16.665	16.660	(1.130)	13388540	40.0000	35
82 Alpha Methyl Styrene	118	16.937	16.932	(1.149)	8021611	40.0000	40
83 tert-butylbenzene	119	17.033	17.023	(1.155)	13516071	40.0000	36
84 1,2,4-Trimethylbenzene	105	17.103	17.097	(1.160)	13446021	40.0000	35
85 sec-Butylbenzene	105	17.279	17.273	(1.172)	18575724	40.0000	34
86 4-Isopropyltoluene	119	17.428	17.423	(1.182)	16797947	40.0000	35
87 1,3-Dichlorobenzene	146	17.492	17.487	(1.186)	10716451	40.0000	38
88 1,4-Dichlorobenzene	146	17.599	17.594	(1.194)	10779777	40.0000	38
89 Benzyl chloride	91	17.743	17.738	(1.203)	12462482	40.0000	39
90 Undecane	57	17.887	17.887	(1.213)	4585532	40.0000	27
91 n-Butylbenzene	91	17.908	17.903	(1.215)	10669300	40.0000	28
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	10383099	40.0000	39
93 Dodecane	57	19.248	19.243	(1.306)	5509471	40.0000	34
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	8238766	40.0000	41(A)
95 1,3-Hexachlorobutadiene	225	20.385	20.380	(1.383)	4648758	40.0000	36
96 Naphthalene	128	20.657	20.652	(1.401)	18709280	40.0000	43(A)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.430)	7250992	40.0000	45(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka009.d
Client ID: ic 132405
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132405
Lab Sample ID: ic 132405

Date: 19-APR-2011 18:19
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



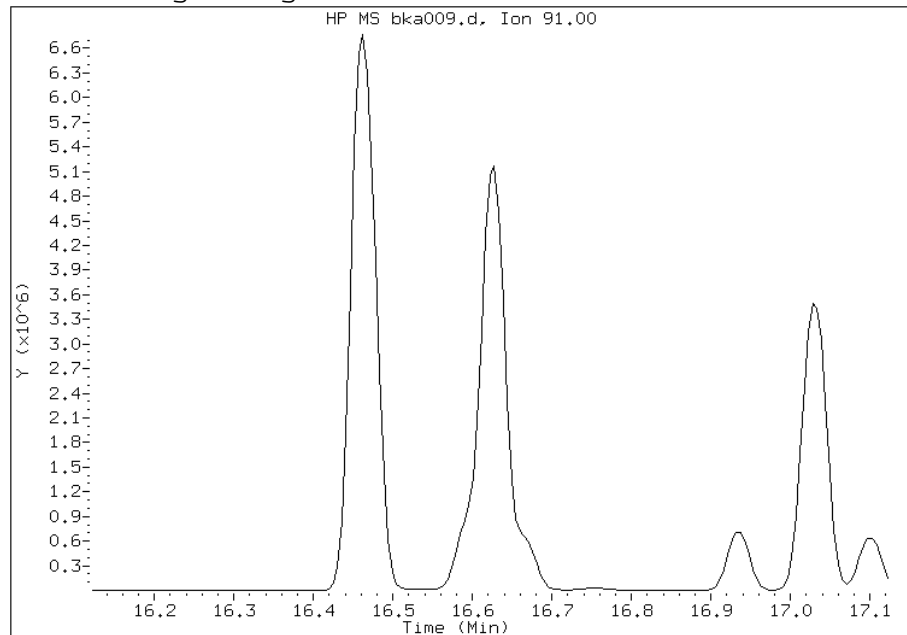
Manual Integration Report

Data File: bka009.d
Lab Sample ID: ic 132405
Inj. Date and Time: 19-APR-2011 18:19
Instrument ID: B.i
Client ID: ic 132405
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

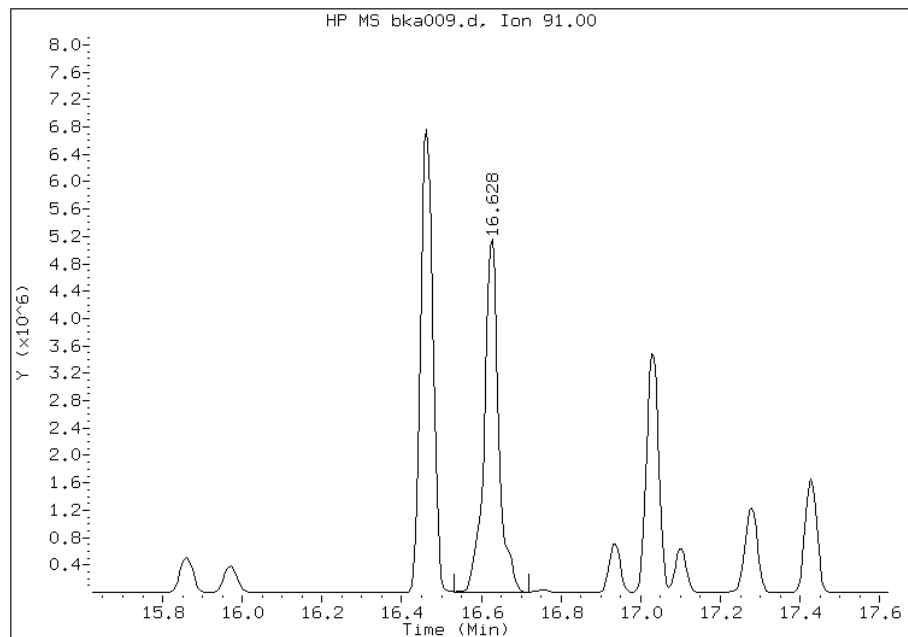
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.63
Response: 12913657
Amount: 32.94
Conc: 32.94



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka014.d
Lab Smp Id: ic 132521 Client Smp ID: ic 132521
Inj Date : 20-APR-2011 08:43
Operator : wrd Inst ID: B.i
Smp Info : ic 132521
Misc Info : 200,1, level1
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
	=====	==	=====	=====	=====		(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	22007		0.20000	0.20(a)
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	10328		0.20000	0.22(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	21439		0.20000	0.20
5 Chloromethane	50	3.339	3.339	(0.363)	5128		0.20000	0.22(a)
6 Butane	43	3.483	3.488	(0.379)	9933		0.20000	0.25(aQ)
7 Vinyl chloride	62	3.515	3.520	(0.382)	6189		0.20000	0.20
8 1,3-Butadiene	54	3.573	3.574	(0.388)	4689		0.20000	0.20
9 Bromomethane	94	4.129	4.129	(0.449)	11458		0.20000	0.20
10 Chloroethane	64	4.331	4.326	(0.471)	5473		0.20000	0.20(a)
11 2-Methylbutane	43	4.390	4.401	(0.477)	12218		0.20000	0.23
12 Vinyl bromide	106	4.705	4.705	(0.511)	15742		0.20000	0.21
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	37349		0.20000	0.20
14 Pentane	43	4.924	4.924	(0.535)	18515		0.20000	0.22(a)
16 Ethyl ether	59	5.468	5.415	(0.594)	9120		0.20000	0.20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	31501	0.20000	0.21
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	15651	0.20000	0.22(M)
21 Carbon disulfide	76	6.258	6.269	(0.680)	42175	0.20000	0.21(a)
23 Allyl chloride	41	6.551	6.541	(0.712)	13588	0.20000	0.20
25 Methylene chloride	49	6.808	6.802	(0.740)	14320	0.20000	0.23(a)
27 Methyl tert-butyl ether	73	7.267	7.187	(0.790)	38407	0.20000	0.20
28 1,2-Dichloroethene (trans)	61	7.208	7.203	(0.784)	18666	0.20000	0.20
29 Acrylonitrile	53	7.315	7.288	(0.795)	7966	0.20000	0.18(a)
30 n-Hexane	57	7.533	7.528	(0.819)	21696	0.20000	0.21
31 1,1-Dichloroethane	63	7.928	7.934	(0.862)	23482	0.20000	0.20
M 33 1,2-Dichloroethene,Total	61				35394	0.40000	0.40
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	16728	0.20000	0.20
36 Methyl Ethyl Ketone	72	8.910	8.857	(0.969)	7877	0.20000	0.23(aQ)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	774307	10.0000	
39 Chloroform	83	9.279	9.284	(1.009)	29536	0.20000	0.20
40 Cyclohexane	84	9.529	9.535	(0.898)	22729	0.20000	0.21
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	32159	0.20000	0.20
42 Carbon tetrachloride	117	9.722	9.727	(0.916)	34647	0.20000	0.20
43 2,2,4-Trimethylpentane	57	10.020	10.021	(0.945)	61280	0.20000	0.20(M)
44 Benzene	78	10.058	10.053	(0.948)	47198	0.20000	0.21
45 1,2-Dichloroethane	62	10.165	10.159	(0.958)	16884	0.20000	0.19(a)
46 n-Heptane	43	10.277	10.282	(0.969)	21502	0.20000	0.21
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3749851	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	10.970	10.971	(1.034)	21871	0.20000	0.20
50 1,2-Dichloropropane	63	11.339	11.333	(1.069)	14653	0.20000	0.19(a)
51 Methyl methacrylate	69	11.435	11.408	(1.078)	12941	0.20000	0.16(a)
52 Dibromomethane	174	11.525	11.520	(1.087)	20967	0.20000	0.21
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	11.702	11.702	(1.103)	30360	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.163)	23023	0.20000	0.18(a)
56 Methyl isobutyl ketone	43	12.588	12.518	(1.187)	20503	0.20000	0.16(a)
57 n-Octane	43	12.753	12.758	(1.202)	29494	0.20000	0.21(a)
58 Toluene	92	12.758	12.748	(0.866)	38095	0.20000	0.21
59 1,3-Dichloropropene (trans)	75	13.137	13.121	(1.238)	23351	0.20000	0.18(a)
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	16226	0.20000	0.20
61 Tetrachloroethene	166	13.521	13.516	(0.917)	33514	0.20000	0.21
62 2-Hexanone	43	13.762	13.698	(0.934)	17520	0.20000	0.14(aM)
63 Dibromochloromethane	129	13.948	13.943	(0.946)	33753	0.20000	0.18(a)
64 1,2-Dibromoethane	107	14.151	14.146	(0.960)	31541	0.20000	0.19(a)
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3408265	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	55704	0.20000	0.21
67 n-Nonane	57	14.904	14.899	(1.011)	30365	0.20000	0.20
68 Ethylbenzene	91	14.861	14.856	(1.008)	79091	0.20000	0.20
69 Xylene (m,p)	106	15.016	15.011	(1.019)	67047	0.40000	0.41(a)
M 70 Xylenes, Total	106				99139	0.20000	0.61
71 Xylene (o)	106	15.544	15.539	(1.055)	32092	0.20000	0.20

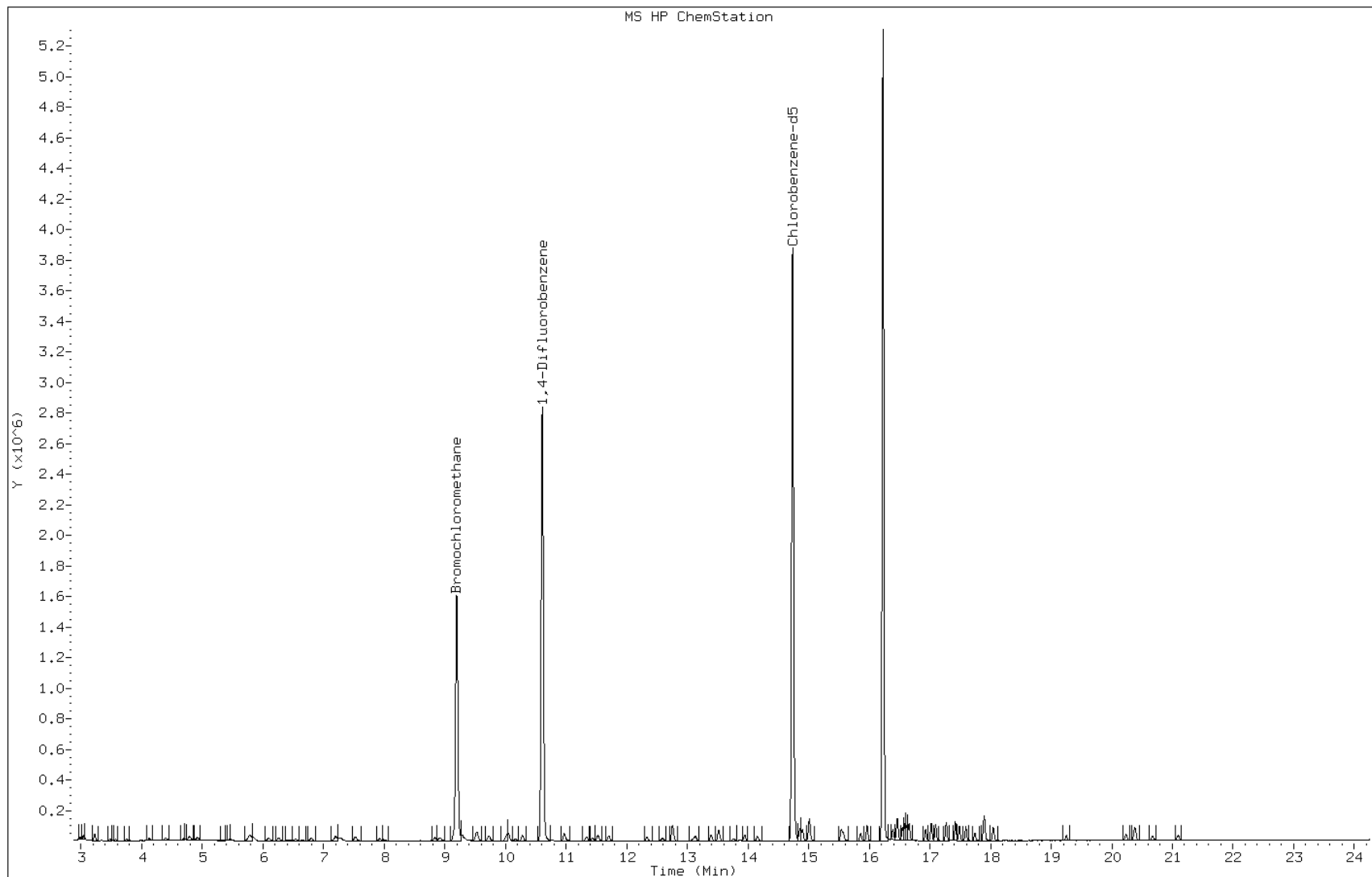
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
72 Styrene	104	15.571	15.566	(1.056)	42751	0.20000	0.17(a)
73 Bromoform	173	15.859	15.859	(1.076)	30436	0.20000	0.18(a)
74 Isopropylbenzene	105	15.966	15.966	(1.083)	89288	0.20000	0.20
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	40919	0.20000	0.19(a)
76 n-Propylbenzene	91	16.457	16.457	(1.117)	101095	0.20000	0.20
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	31796	0.20000	0.21(a)
78 n-Decane	57	16.553	16.548	(1.123)	37227	0.20000	0.20(a)
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	90304	0.20000	0.20
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	81335	0.20000	0.20(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	76515	0.20000	0.20
82 Alpha Methyl Styrene	118	16.937	16.932	(1.149)	31216	0.20000	0.15(a)
83 tert-butylbenzene	119	17.022	17.023	(1.155)	77758	0.20000	0.20
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	73017	0.20000	0.19(a)
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	112414	0.20000	0.20
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	92926	0.20000	0.19(a)
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	53498	0.20000	0.19(a)
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	52849	0.20000	0.19(a)
89 Benzyl chloride	91	17.743	17.738	(1.204)	50062	0.20000	0.16(a)
91 n-Butylbenzene	91	17.903	17.903	(1.215)	73222	0.20000	0.19(a)
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	52468	0.20000	0.19(a)
94 1,2,4-Trichlorobenzene	180	20.230	20.219	(1.373)	24157	0.20000	0.12(a)
95 1,3-Hexachlorobutadiene	225	20.379	20.380	(1.383)	27243	0.20000	0.21
96 Naphthalene	128	20.668	20.652	(1.402)	45960	0.20000	0.10(a)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.431)	21804	0.20000	0.13(aM)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka014.d
Client ID: ic 132521
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132521
Lab Sample ID: ic 132521

Date: 20-APR-2011 08:43
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32

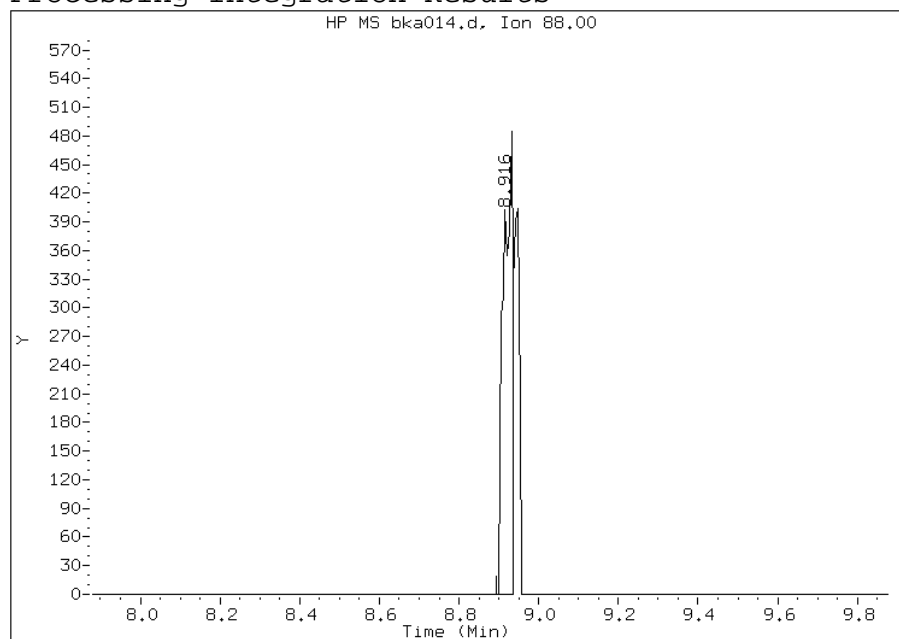


Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 35 Ethyl acetate
CAS #: 141-78-6
Report Date: 04/20/2011

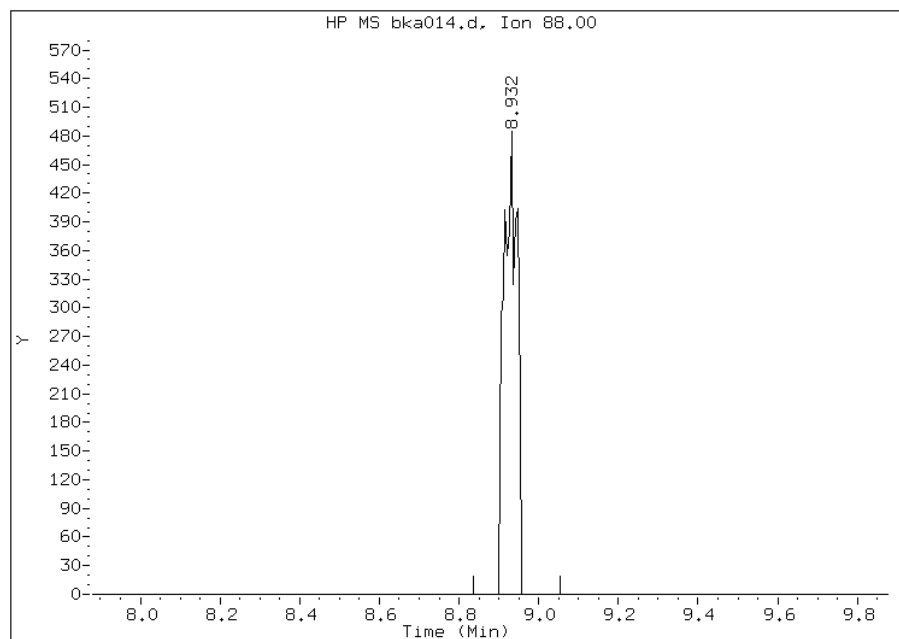
Processing Integration Results

RT: 8.92
Response: 817
Amount: 0.117294
Conc: 0.117294



Manual Integration Results

RT: 8.93
Response: 1136
Amount: 0.163092
Conc: 0.163092



File Uploaded By: pd
Manual Integration Reason: Baseline event

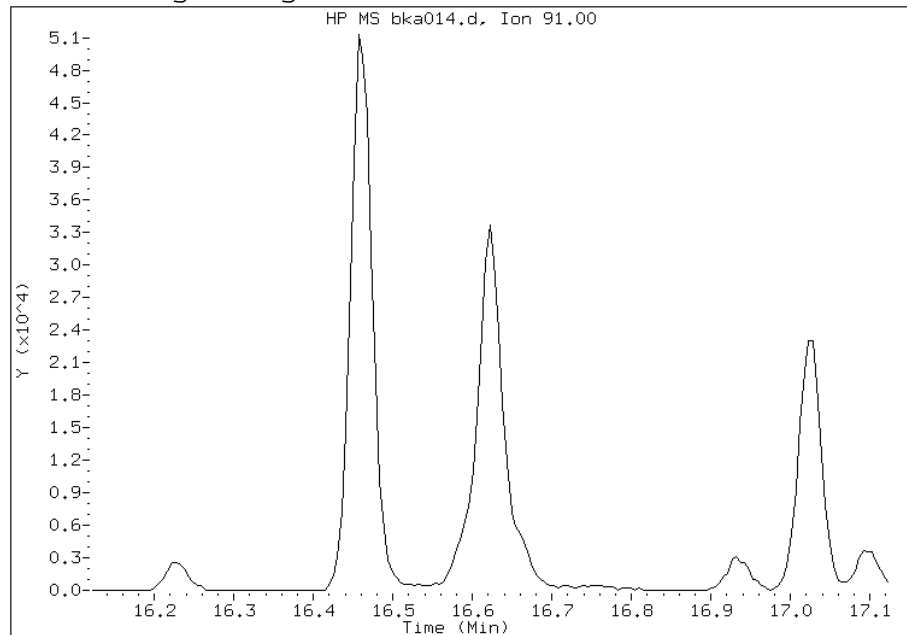
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

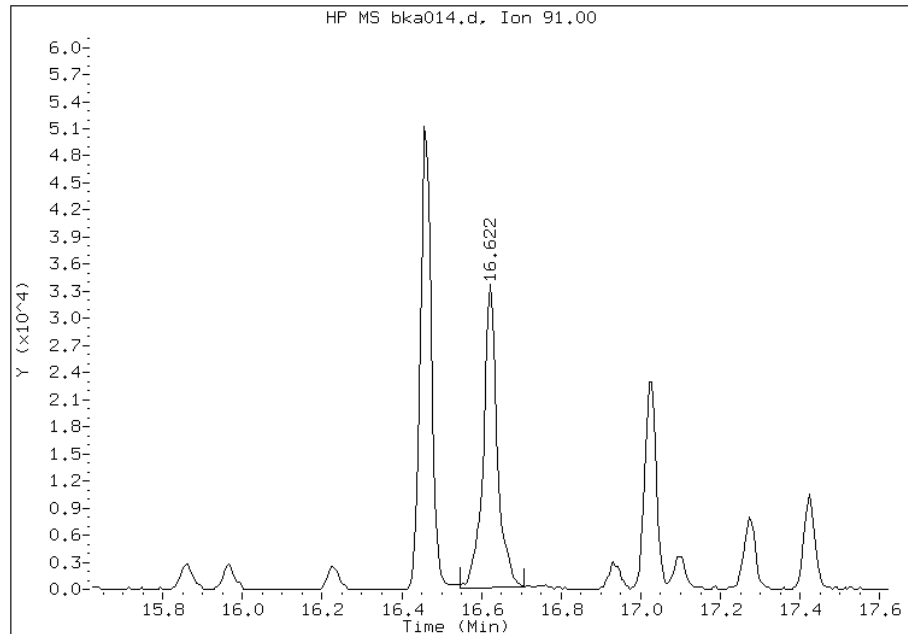
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 81335
Amount: 0.204313
Conc: 0.204313



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Manual Integration Reason: Baseline event

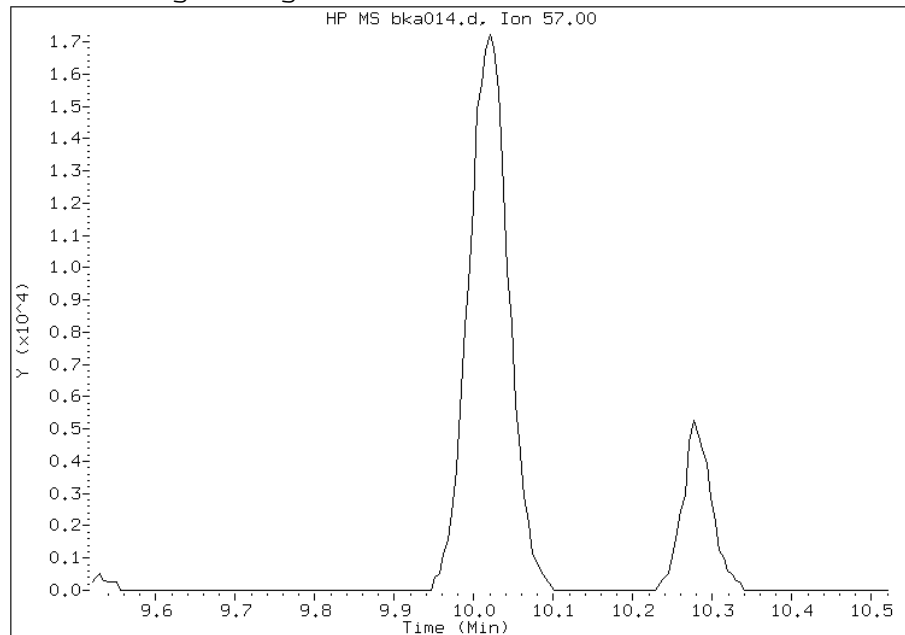
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 43 2,2,4-Trimethylpentane
CAS #: 540-84-1
Report Date: 04/20/2011

Processing Integration Results

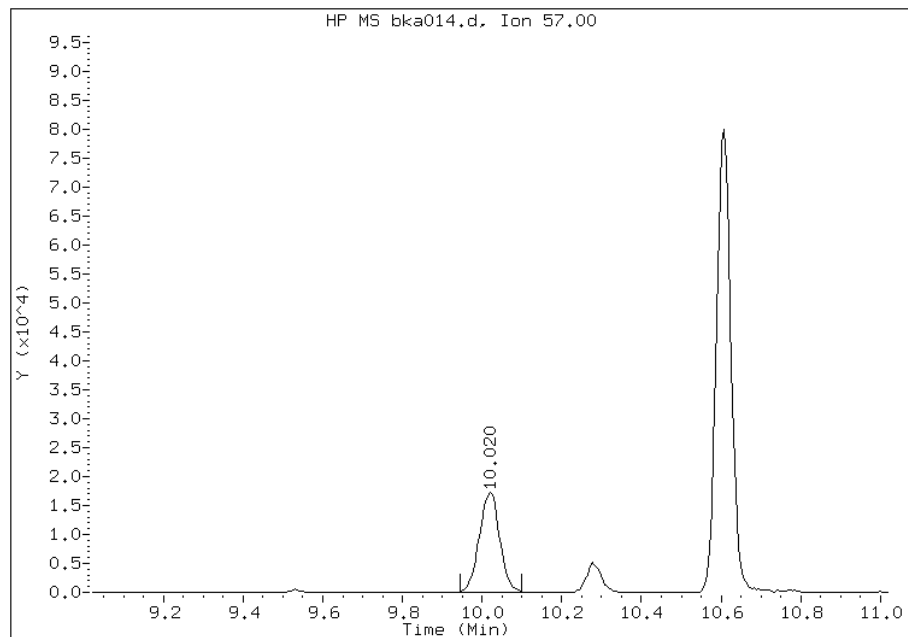
Not Detected

Expected RT: 10.02



Manual Integration Results

RT: 10.02
Response: 61280
Amount: 0.197586
Conc: 0.197586



File Uploaded By: pd
Manual Integration Reason: Baseline event

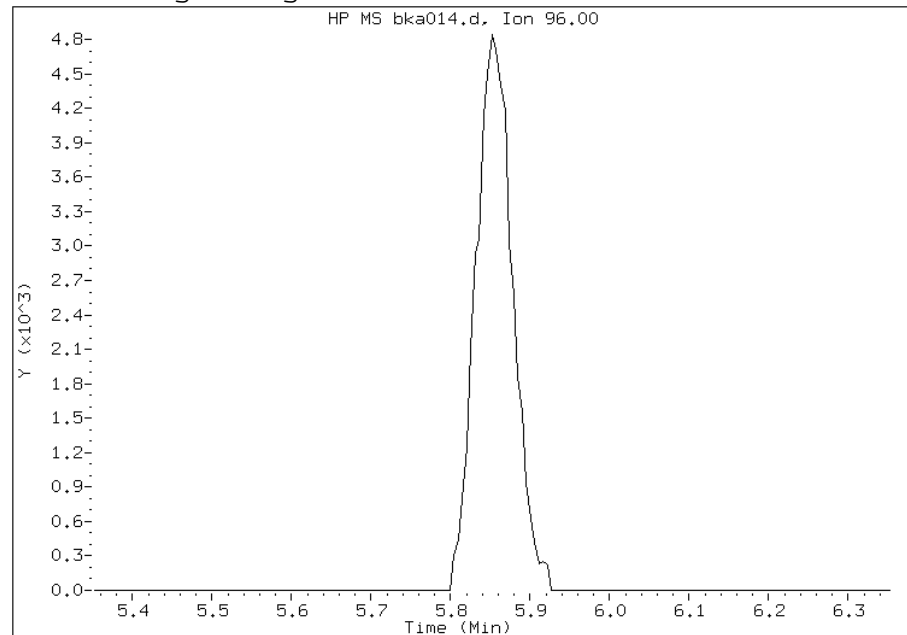
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 04/20/2011

Not Detected

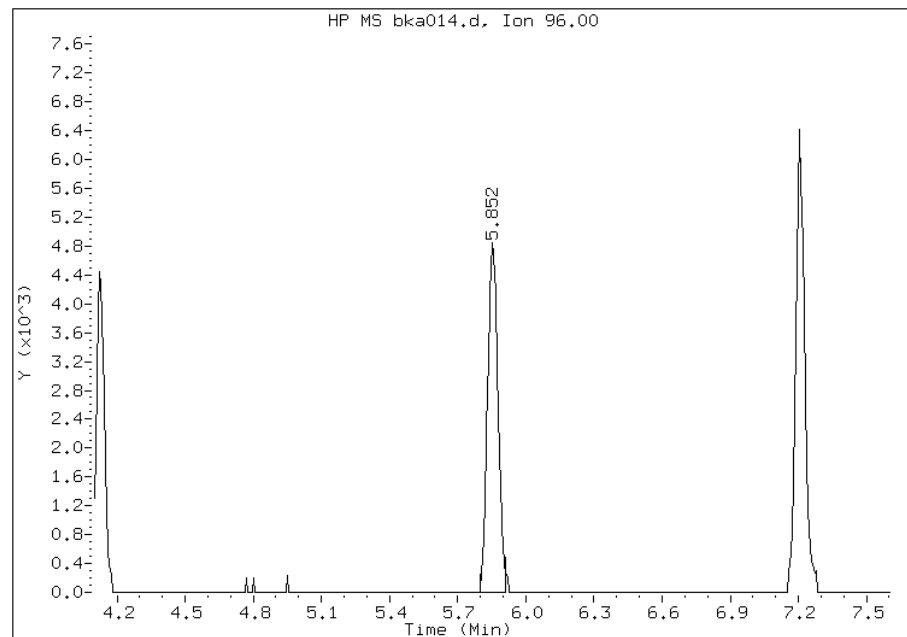
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.85
Response: 15651
Amount: 0.216330
Conc: 0.216330



File Uploaded By: pd
Manual Integration Reason: Baseline event

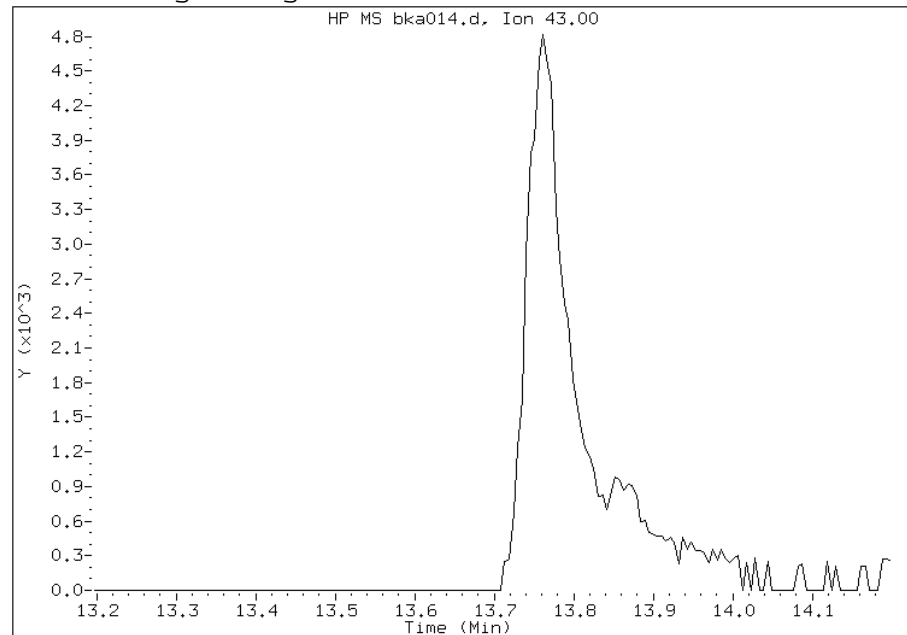
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 62 2-Hexanone
CAS #: 591-78-6
Report Date: 04/20/2011

Processing Integration Results

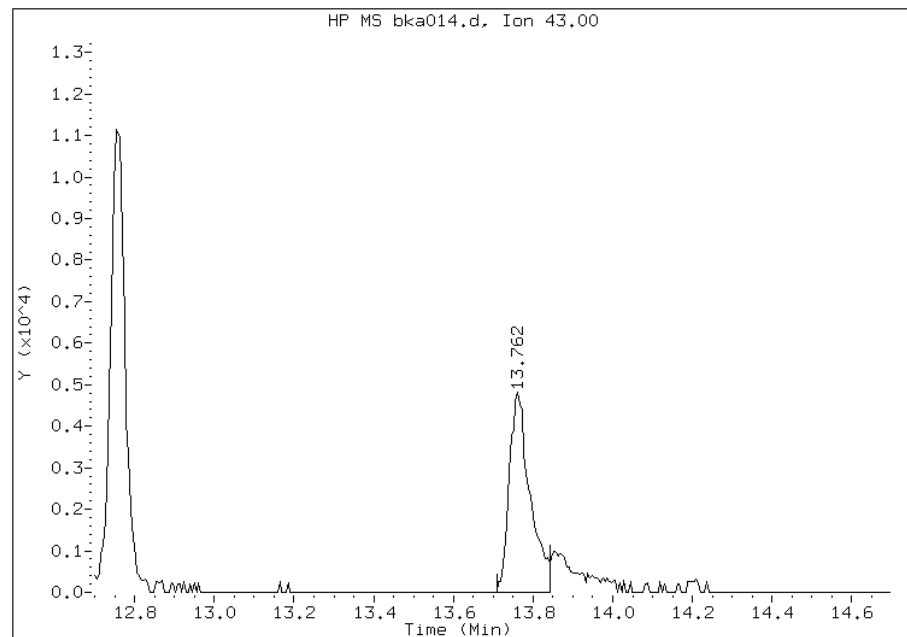
Not Detected

Expected RT: 13.70



Manual Integration Results

RT: 13.76
Response: 17520
Amount: 0.141800
Conc: 0.141800



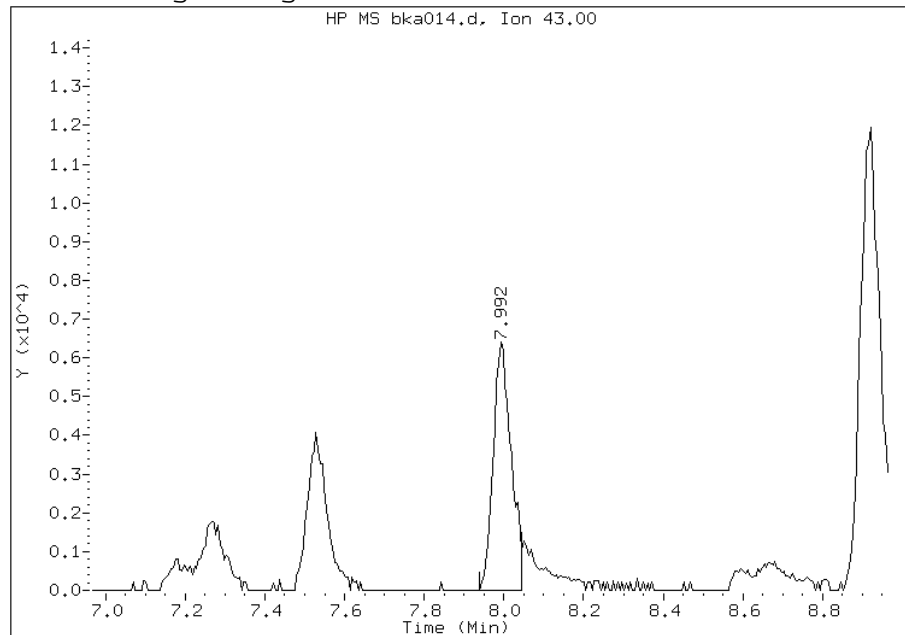
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 32 Vinyl acetate
CAS #: 108-05-4
Report Date: 04/20/2011

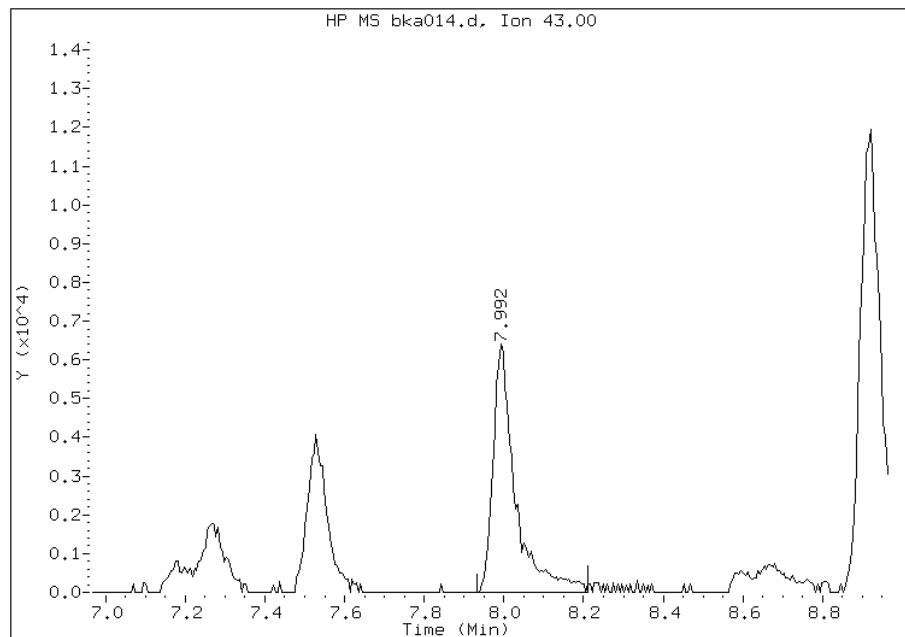
Processing Integration Results

RT: 7.99
Response: 20190
Amount: 0.145989
Conc: 0.145989



Manual Integration Results

RT: 7.99
Response: 24878
Amount: 0.179887
Conc: 0.179887



File Uploaded By: pd
Manual Integration Reason: Baseline event

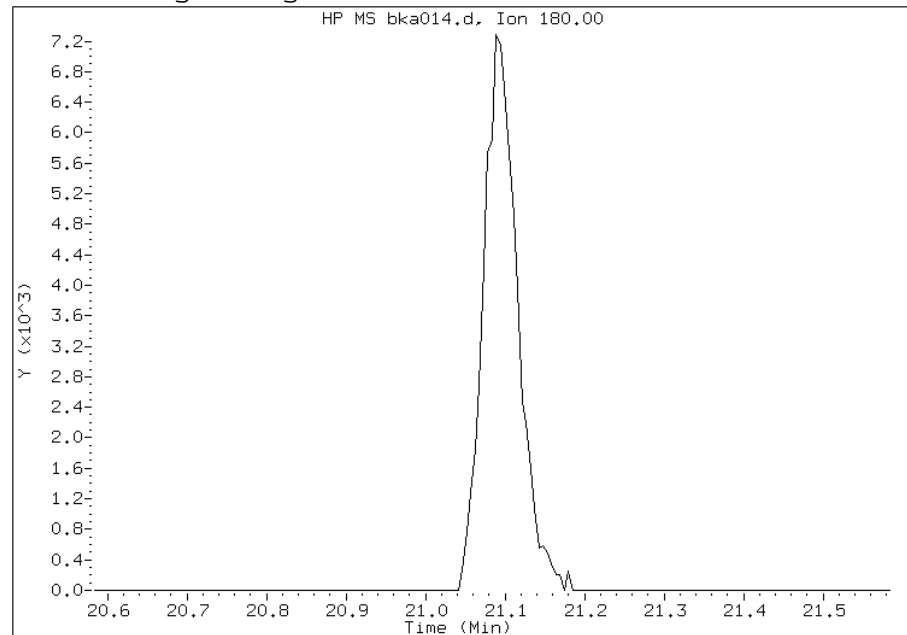
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 97 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 04/20/2011

Processing Integration Results

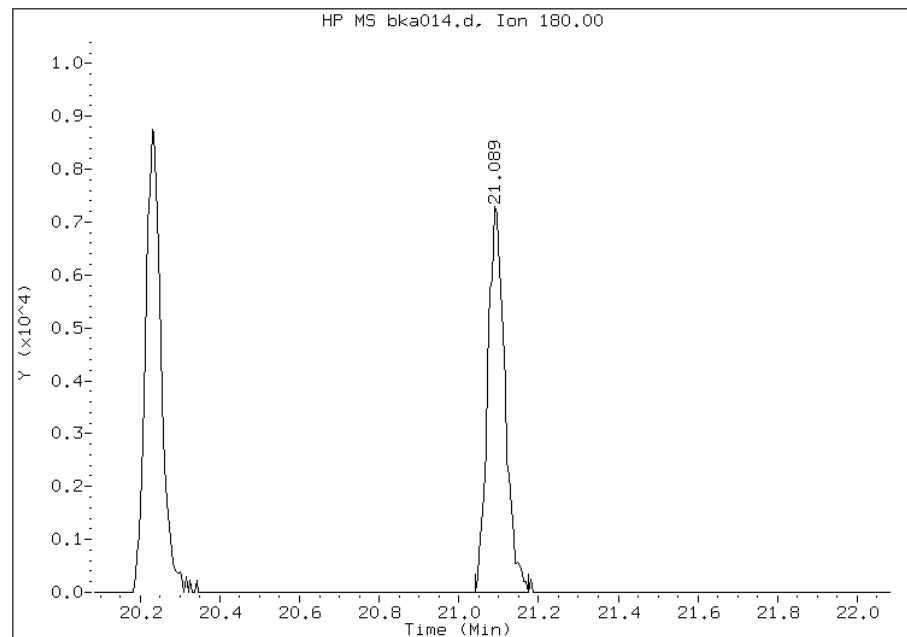
Not Detected

Expected RT: 21.08



Manual Integration Results

RT: 21.09
Response: 21804
Amount: 0.134025
Conc: 0.134025



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1

SDG No.: 200-4737

Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2331	0.1973		8.46	10.0	-15.4	30.0
Dichlorodifluoromethane	Ave	1.431	1.322		9.24	10.0	-7.6	30.0
Freon 22	Ave	0.5941	0.5298		8.92	10.0	-10.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.387	1.283		9.25	10.0	-7.5	30.0
Chloromethane	Ave	0.2978	0.2639		8.86	10.0	-11.4	30.0
n-Butane	Ave	0.5171	0.4435		8.57	10.0	-14.2	30.0
Vinyl chloride	Ave	0.4091	0.3702		9.05	10.0	-9.5	30.0
1,3-Butadiene	Ave	0.2973	0.2734		9.19	10.0	-8.1	30.0
Bromomethane	Ave	0.7386	0.6607		8.94	10.0	-10.5	30.0
Chloroethane	Ave	0.3564	0.3213		9.01	10.0	-9.8	30.0
Isopentane	Ave	0.6819	0.5785		8.48	10.0	-15.2	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9762	0.9487		9.72	10.0	-2.8	30.0
Trichlorofluoromethane	Ave	2.400	2.300		9.58	10.0	-4.2	30.0
n-Pentane	Ave	1.095	0.9464		8.64	10.0	-13.6	30.0
Ethanol	Ave	0.2702	0.2447		13.6	15.0	-9.4	30.0
Ethyl ether	Ave	0.6026	0.5531		9.18	10.0	-8.2	30.0
Acrolein	Ave	0.3155	0.2628		8.33	10.0	-16.7	30.0
Freon TF	Ave	1.945	2.074		10.7	10.0	6.6	30.0
1,1-Dichloroethene	Ave	0.9344	1.009		10.8	10.0	8.0	30.0
Acetone	Ave	0.9915	0.9478		9.56	10.0	-4.4	30.0
Carbon disulfide	Ave	2.620	2.594		9.90	10.0	-1.0	30.0
Isopropyl alcohol	Ave	0.8056	0.7123		8.84	10.0	-11.6	30.0
3-Chloropropene	Ave	0.8674	0.7902		9.11	10.0	-8.9	30.0
Acetonitrile	Ave	0.5188	0.4963		9.57	10.0	-4.3	30.0
Methylene Chloride	Ave	0.8093	0.7949		9.82	10.0	-1.8	30.0
tert-Butyl alcohol	Ave	1.308	1.172		8.96	10.0	-10.4	30.0
Methyl tert-butyl ether	Ave	2.508	2.457		9.79	10.0	-2.1	30.0
trans-1,2-Dichloroethene	Ave	1.205	1.151		9.55	10.0	-4.5	30.0
Acrylonitrile	Ave	0.5756	0.5492		9.54	10.0	-4.6	30.0
n-Hexane	Ave	1.323	1.240		9.38	10.0	-6.2	30.0
1,1-Dichloroethane	Ave	1.520	1.460		9.60	10.0	-4.0	30.0
Vinyl acetate	Ave	1.786	1.668		9.33	10.0	-6.6	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.082		10.2	10.0	2.4	30.0
Methyl Ethyl Ketone	Ave	0.4507	0.4467		9.91	10.0	-0.9	30.0
Ethyl acetate	Ave	0.0900	0.0903		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1605	0.1528		9.52	10.0	-4.8	30.0
Chloroform	Ave	1.912	1.861		9.73	10.0	-2.7	30.0
1,1,1-Trichloroethane	Ave	0.4243	0.4184		9.86	10.0	-1.4	30.0
Cyclohexane	Ave	0.2915	0.2905		9.96	10.0	-0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4682	0.4614		9.85	10.0	-1.5	30.0
2,2,4-Trimethylpentane	Ave	0.8271	0.8032		9.71	10.0	-2.9	30.0
Benzene	Ave	0.6091	0.5994		9.84	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.2353	0.2273		9.66	10.0	-3.4	30.0
n-Heptane	Ave	0.2780	0.2573		9.25	10.0	-7.5	30.0
n-Butanol	Ave	0.0903	0.0754		8.35	10.0	-16.5	30.0
Trichloroethene	Ave	0.2862	0.2828		9.88	10.0	-1.2	30.0
1,2-Dichloropropane	Ave	0.2015	0.1915		9.50	10.0	-5.0	30.0
Methyl methacrylate	Ave	0.2099	0.2067		9.85	10.0	-1.5	30.0
1,4-Dioxane	Ave	0.0934	0.0832		8.91	10.0	-10.9	30.0
Dibromomethane	Ave	0.2655	0.2760		10.4	10.0	4.0	30.0
Bromodichloromethane	Ave	0.4324	0.4387		10.1	10.0	1.5	30.0
cis-1,3-Dichloropropene	Ave	0.3345	0.3263		9.75	10.0	-2.5	30.0
methyl isobutyl ketone	Ave	0.3442	0.3231		9.38	10.0	-6.1	30.0
Toluene	Ave	0.5245	0.5113		9.75	10.0	-2.5	30.0
n-Octane	Ave	0.3680	0.3365		9.14	10.0	-8.6	30.0
trans-1,3-Dichloropropene	Ave	0.3432	0.3349		9.75	10.0	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.2404	0.2269		9.44	10.0	-5.6	30.0
Tetrachloroethene	Ave	0.4633	0.4648		10.0	10.0	0.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3625	0.3381		9.32	10.0	-6.7	30.0
Dibromochloromethane	Ave	0.5400	0.5711		10.6	10.0	5.8	30.0
1,2-Dibromoethane	Ave	0.4856	0.4772		9.83	10.0	-1.7	30.0
Chlorobenzene	Ave	0.7869	0.7575		9.62	10.0	-3.7	30.0
Ethylbenzene	Ave	1.133	1.112		9.82	10.0	-1.8	30.0
n-Nonane	Ave	0.4348	0.4169		9.59	10.0	-4.1	30.0
m,p-Xylene	Ave	0.4744	0.4755		20.0	20.0	0.2	30.0
Xylene, o-	Ave	0.4741	0.4655		9.81	10.0	-1.8	30.0
Styrene	Ave	0.7215	0.7387		10.2	10.0	2.4	30.0
Bromoform	Ave	0.5086	0.5702		11.2	10.0	12.1	30.0
Cumene	Ave	1.332	1.355		10.2	10.0	1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6205	0.5901		9.51	10.0	-4.9	30.0
n-Propylbenzene	Ave	1.466	1.502		10.2	10.0	2.5	30.0
1,2,3-Trichloropropane	Ave	0.4484	0.4416		9.85	10.0	-1.5	30.0
n-Decane	Ave	0.5373	0.5200		9.68	10.0	-3.2	30.0
4-Ethyltoluene	Ave	1.354	1.398		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	1.168	1.173		10.0	10.0	0.5	30.0
1,3,5-Trimethylbenzene	Ave	1.135	1.134		9.99	10.0	-0.0	30.0
Alpha Methyl Styrene	Ave	0.6037	0.6484		10.7	10.0	7.4	30.0
tert-Butylbenzene	Ave	1.130	1.159		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.129	1.112		9.85	10.0	-1.5	30.0
sec-Butylbenzene	Ave	1.633	1.663		10.2	10.0	1.8	30.0
4-Isopropyltoluene	Ave	1.423	1.480		10.4	10.0	4.0	30.0
1,3-Dichlorobenzene	Ave	0.8316	0.8396		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	0.8368	0.8530		10.2	10.0	1.9	30.0
Benzyl chloride	Ave	0.9425	0.9602		10.2	10.0	1.9	30.0
n-Undecane	Ave	0.5067	0.5302		10.5	10.0	4.6	30.0
n-Butylbenzene	Ave	1.124	1.170		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	0.7957	0.7704		9.68	10.0	-3.2	30.0
n-Dodecane	Ave	0.4886	0.4604		9.42	10.0	-5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5921	0.5935		10.0	10.0	0.2	30.0
Hexachlorobutadiene	Ave	0.3836	0.3837		10.0	10.0	0.0	30.0
Naphthalene	Ave	1.308	1.351		10.3	10.0	3.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.5300		11.1	10.0	11.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka016.d
Lab Smp Id: icv 133740 Client Smp ID: icv 133740
Inj Date : 20-APR-2011 10:27
Operator : wrd Inst ID: B.i
Smp Info : icv 133740
Misc Info : 200,1, icv
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	153498	8.46262	8.5	
2 Dichlorodifluoromethane	85	3.035	3.040	(0.330)	1028670	9.24172	9.2	
3 Chlorodifluoromethane	51	3.067	3.072	(0.333)	412128	8.91638	8.9	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.221	3.232	(0.350)	998052	9.25207	9.3	
5 Chloromethane	50	3.333	3.339	(0.362)	205246	8.85936	8.9	
6 Butane	43	3.478	3.488	(0.378)	345001	8.57487	8.6	
7 Vinyl chloride	62	3.510	3.520	(0.382)	287997	9.04780	9.0	
8 1,3-Butadiene	54	3.563	3.574	(0.387)	212629	9.19137	9.2	
9 Bromomethane	94	4.118	4.129	(0.448)	513956	8.94357	8.9	
10 Chloroethane	64	4.321	4.326	(0.470)	249895	9.01345	9.0	
11 2-Methylbutane	43	4.395	4.401	(0.478)	449989	8.48217	8.5	
12 Vinyl bromide	106	4.700	4.705	(0.511)	737930	9.71582	9.7	
13 Trichlorofluoromethane	101	4.790	4.801	(0.521)	1788860	9.57959	9.6	
14 Pentane	43	4.918	4.924	(0.535)	736149	8.64245	8.6	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.292	5.308	(0.575)	286295	13.6202	14
16 Ethyl ether	59	5.404	5.415	(0.587)	430246	9.17636	9.2
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	1613058	10.6607	11
18 Acrolein	56	5.746	5.756	(0.625)	204390	8.32594	8.3
19 1,1-Dichloroethene	96	5.847	5.852	(0.636)	784741	10.7951	11
20 Acetone	43	6.034	6.045	(0.656)	737258	9.55696	9.6
21 Carbon disulfide	76	6.258	6.269	(0.680)	2018109	9.89862	9.9
22 Isopropanol	45	6.306	6.322	(0.686)	554096	8.84051	8.8
23 Allyl chloride	41	6.536	6.541	(0.710)	614689	9.10835	9.1
24 Acetonitrile	41	6.621	6.626	(0.720)	386079	9.56533	9.6
25 Methylene chloride	49	6.797	6.802	(0.739)	618355	9.82058	9.8
26 Tert-butyl alcohol	59	7.011	7.037	(0.762)	911755	8.95743	9.0
27 Methyl tert-butyl ether	73	7.176	7.187	(0.780)	1911033	9.79282	9.8
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	894930	9.54673	9.5
29 Acrylonitrile	53	7.283	7.288	(0.792)	427174	9.53827	9.5
30 n-Hexane	57	7.528	7.528	(0.818)	964918	9.37689	9.4
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1135358	9.60246	9.6
32 Vinyl acetate	43	7.961	7.966	(0.865)	1297166	9.33479	9.3
M 33 1,2-Dichloroethene,Total	61				1736306	19.7824	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	841376	10.2357	10
35 Ethyl acetate	88	8.878	8.878	(0.965)	70234	10.0352	10
36 Methyl Ethyl Ketone	72	8.846	8.857	(0.962)	347436	9.90754	9.9(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	778014	10.0000	
38 Tetrahydrofuran	42	9.241	9.252	(0.871)	570162	9.51636	9.5
39 Chloroform	83	9.279	9.284	(1.009)	1447429	9.72907	9.7
40 Cyclohexane	84	9.535	9.535	(0.899)	1084319	9.96363	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	1561721	9.86017	9.9
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1721845	9.85183	9.9
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	2997762	9.70951	9.7
44 Benzene	78	10.053	10.053	(0.948)	2237210	9.83859	9.8
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	848358	9.65723	9.7
46 n-Heptane	43	10.282	10.282	(0.969)	960255	9.25201	9.3
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3732948	10.0000	
48 n-Butanol	56	10.885	10.906	(1.026)	281413	8.34898	8.3
49 Trichloroethene	95	10.971	10.971	(1.034)	1055626	9.87957	9.9
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	714662	9.49919	9.5
51 Methyl methacrylate	69	11.408	11.408	(1.075)	771597	9.84967	9.8
52 Dibromomethane	174	11.520	11.520	(1.086)	1030258	10.3951	10
53 1,4-Dioxane	88	11.515	11.520	(1.086)	310531	8.90736	8.9
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1637464	10.1451	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1217637	9.75255	9.8
56 Methyl isobutyl ketone	43	12.508	12.518	(1.179)	1205677	9.38320	9.4
57 n-Octane	43	12.758	12.758	(1.203)	1255849	9.14223	9.1
58 Toluene	92	12.748	12.748	(0.865)	1746217	9.74755	9.7
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1249743	9.75448	9.8
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	774888	9.43591	9.4
61 Tetrachloroethene	166	13.522	13.516	(0.917)	1587205	10.0297	10

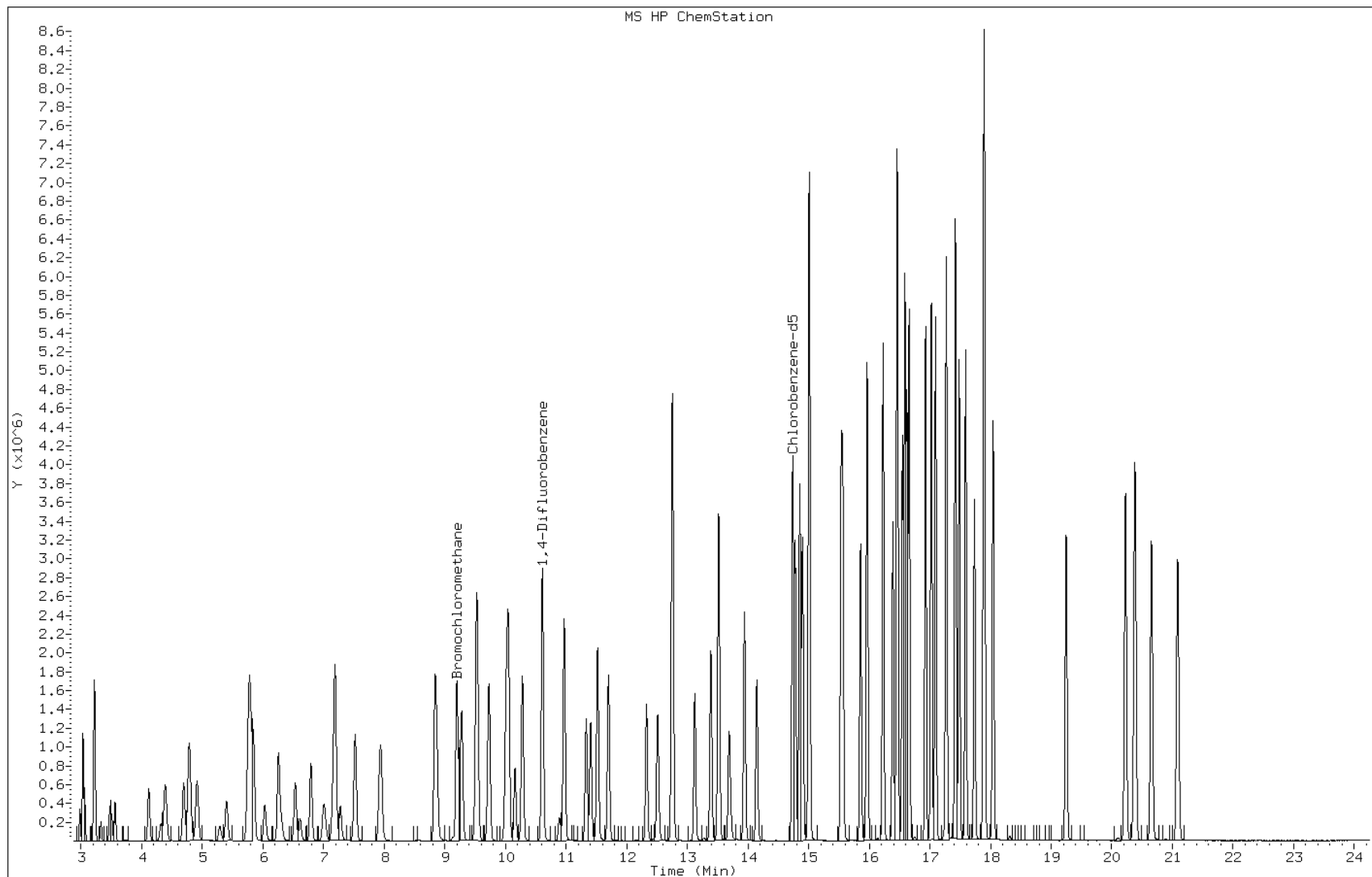
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1154595	9.32422	9.3
63 Dibromochloromethane	129	13.943	13.943	(0.946)	1950373	10.5731	11
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1629836	9.82684	9.8
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3415798	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	2587069	9.62477	9.6
67 n-Nonane	57	14.904	14.899	(1.011)	1423694	9.58667	9.6
68 Ethylbenzene	91	14.856	14.856	(1.008)	3797686	9.81561	9.8
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3247755	20.0423	20
M 70 Xylenes, Total	106				4837357	29.8572	30
71 Xylene (o)	106	15.539	15.539	(1.054)	1589602	9.81487	9.8
72 Styrene	104	15.566	15.566	(1.056)	2522667	10.2356	10
73 Bromoform	173	15.859	15.859	(1.076)	1947193	11.2077	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	4627810	10.1701	10
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2015193	9.50846	9.5
76 n-Propylbenzene	91	16.457	16.457	(1.117)	5129287	10.2454	10
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	1508184	9.84689	9.8
78 n-Decane	57	16.548	16.548	(1.123)	1776011	9.67634	9.7
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	4774750	10.3226	10
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	4007428	10.0444	10
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	3872400	9.98939	10
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	2214239	10.7380	11
83 tert-butylbenzene	119	17.028	17.023	(1.155)	3958617	10.2568	10
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	3796721	9.84707	9.8
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	5680497	10.1827	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	5054356	10.3968	10
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	2867191	10.0942	10
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	2913081	10.1919	10
89 Benzyl chloride	91	17.738	17.738	(1.204)	3279113	10.1854	10
90 Undecane	57	17.887	17.887	(1.214)	1810527	10.4608	10
91 n-Butylbenzene	91	17.903	17.903	(1.215)	3995995	10.4043	10
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	2631034	9.68079	9.7
93 Dodecane	57	19.243	19.243	(1.306)	1572194	9.42041	9.4
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	2026924	10.0220	10
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1310503	10.0012	10
96 Naphthalene	128	20.652	20.652	(1.401)	4612778	10.3265	10
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	1809912	11.1007	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bka016.d
Client ID: icv 133740
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 133740
Lab Sample ID: icv 133740

Date: 20-APR-2011 10:27
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1

SDG No.: 200-4737

Lab Sample ID: CCVIS 200-16914/2 Calibration Date: 04/22/2011 14:02

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bkac002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2331	0.2157		9.25	10.0	-7.5	30.0
Dichlorodifluoromethane	Ave	1.431	1.561		10.9	10.0	9.1	30.0
Freon 22	Ave	0.5941	0.5859		9.86	10.0	-1.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.387	1.489		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.2978	0.2869		9.63	10.0	-3.6	30.0
n-Butane	Ave	0.5171	0.4869		9.41	10.0	-5.9	30.0
Vinyl chloride	Ave	0.4091	0.4200		10.3	10.0	2.6	30.0
1,3-Butadiene	Ave	0.2973	0.2980		10.0	10.0	0.2	30.0
Bromomethane	Ave	0.7386	0.8028		10.9	10.0	8.7	30.0
Chloroethane	Ave	0.3564	0.3786		10.6	10.0	6.2	30.0
Isopentane	Ave	0.6819	0.6563		9.62	10.0	-3.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9762	1.034		10.6	10.0	5.9	30.0
Trichlorofluoromethane	Ave	2.400	2.623		10.9	10.0	9.3	30.0
n-Pentane	Ave	1.095	1.085		9.91	10.0	-0.9	30.0
Ethanol	Ave	0.2702	0.2658		14.8	15.0	-1.6	30.0
Ethyl ether	Ave	0.6026	0.6206		10.3	10.0	3.0	30.0
Acrolein	Ave	0.3155	0.3227		10.2	10.0	2.3	30.0
Freon TF	Ave	1.945	2.018		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.9344	0.9617		10.3	10.0	2.9	30.0
Acetone	Ave	0.9915	0.997		10.0	10.0	0.5	30.0
Carbon disulfide	Ave	2.620	2.727		10.4	10.0	4.1	30.0
Isopropyl alcohol	Ave	0.8056	0.7535		9.35	10.0	-6.5	30.0
3-Chloropropene	Ave	0.8674	0.8428		9.71	10.0	-2.8	30.0
Acetonitrile	Ave	0.5188	0.5108		9.84	10.0	-1.5	30.0
Methylene Chloride	Ave	0.8093	0.7933		9.80	10.0	-2.0	30.0
tert-Butyl alcohol	Ave	1.308	1.263		9.65	10.0	-3.4	30.0
Methyl tert-butyl ether	Ave	2.508	2.582		10.3	10.0	2.9	30.0
trans-1,2-Dichloroethene	Ave	1.205	1.246		10.3	10.0	3.4	30.0
Acrylonitrile	Ave	0.5756	0.5693		9.89	10.0	-1.1	30.0
n-Hexane	Ave	1.323	1.325		10.0	10.0	0.2	30.0
1,1-Dichloroethane	Ave	1.520	1.559		10.3	10.0	2.6	30.0
Vinyl acetate	Ave	1.786	1.779		9.96	10.0	-0.4	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.098		10.4	10.0	3.9	30.0
Methyl Ethyl Ketone	Ave	0.4507	0.4657		10.3	10.0	3.3	30.0
Ethyl acetate	Ave	0.0900	0.0944		10.5	10.0	5.0	30.0
Tetrahydrofuran	Ave	0.1605	0.1587		9.89	10.0	-1.1	30.0
Chloroform	Ave	1.912	1.999		10.5	10.0	4.5	30.0
1,1,1-Trichloroethane	Ave	0.4243	0.4472		10.5	10.0	5.4	30.0
Cyclohexane	Ave	0.2915	0.2991		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1

SDG No.: 200-4737

Lab Sample ID: CCVIS 200-16914/2 Calibration Date: 04/22/2011 14:02

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bkac002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4682	0.4878		10.4	10.0	4.2	30.0
2,2,4-Trimethylpentane	Ave	0.8271	0.8435		10.2	10.0	2.0	30.0
Benzene	Ave	0.6091	0.6298		10.3	10.0	3.4	30.0
1,2-Dichloroethane	Ave	0.2353	0.2384		10.1	10.0	1.3	30.0
n-Heptane	Ave	0.2780	0.2708		9.74	10.0	-2.6	30.0
n-Butanol	Ave	0.0903	0.0796		8.81	10.0	-11.9	30.0
Trichloroethene	Ave	0.2862	0.2984		10.4	10.0	4.3	30.0
1,2-Dichloropropane	Ave	0.2015	0.2064		10.2	10.0	2.4	30.0
Methyl methacrylate	Ave	0.2099	0.2151		10.2	10.0	2.5	30.0
1,4-Dioxane	Ave	0.0934	0.0922		9.87	10.0	-1.3	30.0
Dibromomethane	Ave	0.2655	0.2757		10.4	10.0	3.8	30.0
Bromodichloromethane	Ave	0.4324	0.4565		10.6	10.0	5.6	30.0
cis-1,3-Dichloropropene	Ave	0.3345	0.3485		10.4	10.0	4.2	30.0
methyl isobutyl ketone	Ave	0.3442	0.3322		9.65	10.0	-3.5	30.0
Toluene	Ave	0.5245	0.5412		10.3	10.0	3.2	30.0
n-Octane	Ave	0.3680	0.3595		9.77	10.0	-2.3	30.0
trans-1,3-Dichloropropene	Ave	0.3432	0.3636		10.6	10.0	5.9	30.0
1,1,2-Trichloroethane	Ave	0.2404	0.2497		10.4	10.0	3.8	30.0
Tetrachloroethene	Ave	0.4633	0.4757		10.3	10.0	2.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3625	0.3467		9.56	10.0	-4.4	30.0
Dibromochloromethane	Ave	0.5400	0.5728		10.6	10.0	6.1	30.0
1,2-Dibromoethane	Ave	0.4856	0.5060		10.4	10.0	4.2	30.0
Chlorobenzene	Ave	0.7869	0.7973		10.1	10.0	1.3	30.0
Ethylbenzene	Ave	1.133	1.175		10.4	10.0	3.7	30.0
n-Nonane	Ave	0.4348	0.4379		10.1	10.0	0.7	30.0
m,p-Xylene	Ave	0.4744	0.5042		21.3	20.0	6.3	30.0
Xylene, o-	Ave	0.4741	0.4971		10.5	10.0	4.8	30.0
Styrene	Ave	0.7215	0.7729		10.7	10.0	7.1	30.0
Bromoform	Ave	0.5086	0.5756		11.3	10.0	13.2	30.0
Cumene	Ave	1.332	1.403		10.5	10.0	5.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6205	0.6486		10.5	10.0	4.5	30.0
n-Propylbenzene	Ave	1.466	1.585		10.8	10.0	8.1	30.0
1,2,3-Trichloropropane	Ave	0.4484	0.4745		10.6	10.0	5.8	30.0
n-Decane	Ave	0.5373	0.5426		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.354	1.455		10.7	10.0	7.5	30.0
2-Chlorotoluene	Ave	1.168	1.234		10.6	10.0	5.7	30.0
1,3,5-Trimethylbenzene	Ave	1.135	1.199		10.6	10.0	5.6	30.0
Alpha Methyl Styrene	Ave	0.6037	0.6602		10.9	10.0	9.4	30.0
tert-Butylbenzene	Ave	1.130	1.193		10.6	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Lab Sample ID: CCVIS 200-16914/2 Calibration Date: 04/22/2011 14:02
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bkac002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.129	1.196		10.6	10.0	5.9	30.0
sec-Butylbenzene	Ave	1.633	1.723		10.5	10.0	5.5	30.0
4-Isopropyltoluene	Ave	1.423	1.539		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.8316	0.8969		10.8	10.0	7.9	30.0
1,4-Dichlorobenzene	Ave	0.8368	0.9032		10.8	10.0	7.9	30.0
Benzyl chloride	Ave	0.9425	1.047		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.5067	0.5361		10.6	10.0	5.8	30.0
n-Butylbenzene	Ave	1.124	1.230		10.9	10.0	9.4	30.0
1,2-Dichlorobenzene	Ave	0.7957	0.8465		10.6	10.0	6.4	30.0
n-Dodecane	Ave	0.4886	0.3661		7.49	10.0	-25.1	30.0
1,2,4-Trichlorobenzene	Ave	0.5921	0.6093		10.3	10.0	2.9	30.0
Hexachlorobutadiene	Ave	0.3836	0.4025		10.5	10.0	4.9	30.0
Naphthalene	Ave	1.308	1.260		9.63	10.0	-3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.4903		10.3	10.0	2.7	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkac002.d
Lab Smp Id: ccvis 132424 Client Smp ID: ccvis 132424
Inj Date : 22-APR-2011 14:02
Operator : pad Inst ID: B.i
Smp Info : ccvis 132424
Misc Info : 200,1, ccvis
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/tol5v5.m
Meth Date : 24-Apr-2011 10:04 klp Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	179745	10.0000	9.3	
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1300775	10.0000	11	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	488194	10.0000	9.9	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1240901	10.0000	11	
5 Chloromethane	50	3.339	3.339	(0.363)	239064	10.0000	9.6	
6 Butane	43	3.483	3.488	(0.379)	405676	10.0000	9.4	
7 Vinyl chloride	62	3.515	3.520	(0.382)	349923	10.0000	10	
8 1,3-Butadiene	54	3.574	3.574	(0.388)	248298	10.0000	10	
9 Bromomethane	94	4.129	4.129	(0.449)	668962	10.0000	11	
10 Chloroethane	64	4.326	4.326	(0.470)	315467	10.0000	11	
11 2-Methylbutane	43	4.401	4.401	(0.478)	546833	10.0000	9.6	
12 Vinyl bromide	106	4.705	4.705	(0.511)	861500	10.0000	11	
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	2185593	10.0000	11	
14 Pentane	43	4.924	4.924	(0.535)	903761	10.0000	9.9	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.303	5.308	(0.576)	332398	15.0000	15
16 Ethyl ether	59	5.415	5.415	(0.589)	517102	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	1681309	10.0000	10
18 Acrolein	56	5.756	5.756	(0.626)	268879	10.0000	10
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	801286	10.0000	10
20 Acetone	43	6.045	6.045	(0.657)	830344	10.0000	10
21 Carbon disulfide	76	6.263	6.269	(0.681)	2272174	10.0000	10
22 Isopropanol	45	6.322	6.322	(0.687)	627887	10.0000	9.4
23 Allyl chloride	41	6.541	6.541	(0.711)	702252	10.0000	9.7
24 Acetonitrile	41	6.621	6.626	(0.720)	425610	10.0000	9.8
25 Methylene chloride	49	6.802	6.802	(0.739)	660989	10.0000	9.8
26 Tert-butyl alcohol	59	7.032	7.037	(0.764)	1052586	10.0000	9.7
27 Methyl tert-butyl ether	73	7.187	7.187	(0.781)	2151044	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	1038544	10.0000	10
29 Acrylonitrile	53	7.288	7.288	(0.792)	474387	10.0000	9.9
30 n-Hexane	57	7.528	7.528	(0.818)	1103854	10.0000	10
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1299050	10.0000	10
32 Vinyl acetate	43	7.966	7.966	(0.866)	1482112	10.0000	10
M 33 1,2-Dichloroethene,Total	61				1953223	20.0000	21
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	914679	10.0000	10
35 Ethyl acetate	88	8.873	8.878	(0.965)	78674	10.0000	10
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	388059	10.0000	10(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	833406	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.871)	640962	10.0000	9.9
39 Chloroform	83	9.284	9.284	(1.009)	1665671	10.0000	10
40 Cyclohexane	84	9.535	9.535	(0.898)	1207820	10.0000	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.897)	1806160	10.0000	11
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1970164	10.0000	10
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.944)	3406552	10.0000	10
44 Benzene	78	10.053	10.053	(0.947)	2543585	10.0000	10
45 1,2-Dichloroethane	62	10.159	10.159	(0.957)	962717	10.0000	10
46 n-Heptane	43	10.282	10.282	(0.969)	1093771	10.0000	9.7
* 47 1,4-Difluorobenzene	114	10.613	10.608	(1.000)	4039618	10.0000	
48 n-Butanol	56	10.907	10.906	(1.028)	321324	10.0000	8.8
49 Trichloroethene	95	10.971	10.971	(1.034)	1205240	10.0000	10
50 1,2-Dichloropropane	63	11.334	11.333	(1.068)	833768	10.0000	10
51 Methyl methacrylate	69	11.408	11.408	(1.075)	868814	10.0000	10
52 Dibromomethane	174	11.520	11.520	(1.085)	1113397	10.0000	10
53 1,4-Dioxane	88	11.520	11.520	(1.085)	372261	10.0000	9.9
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1843725	10.0000	11
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.161)	1407419	10.0000	10
56 Methyl isobutyl ketone	43	12.518	12.518	(1.180)	1341797	10.0000	9.6
57 n-Octane	43	12.758	12.758	(1.202)	1452076	10.0000	9.8
58 Toluene	92	12.748	12.748	(0.865)	2032845	10.0000	10
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.236)	1468431	10.0000	11
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	937779	10.0000	10
61 Tetrachloroethene	166	13.516	13.516	(0.917)	1787030	10.0000	10

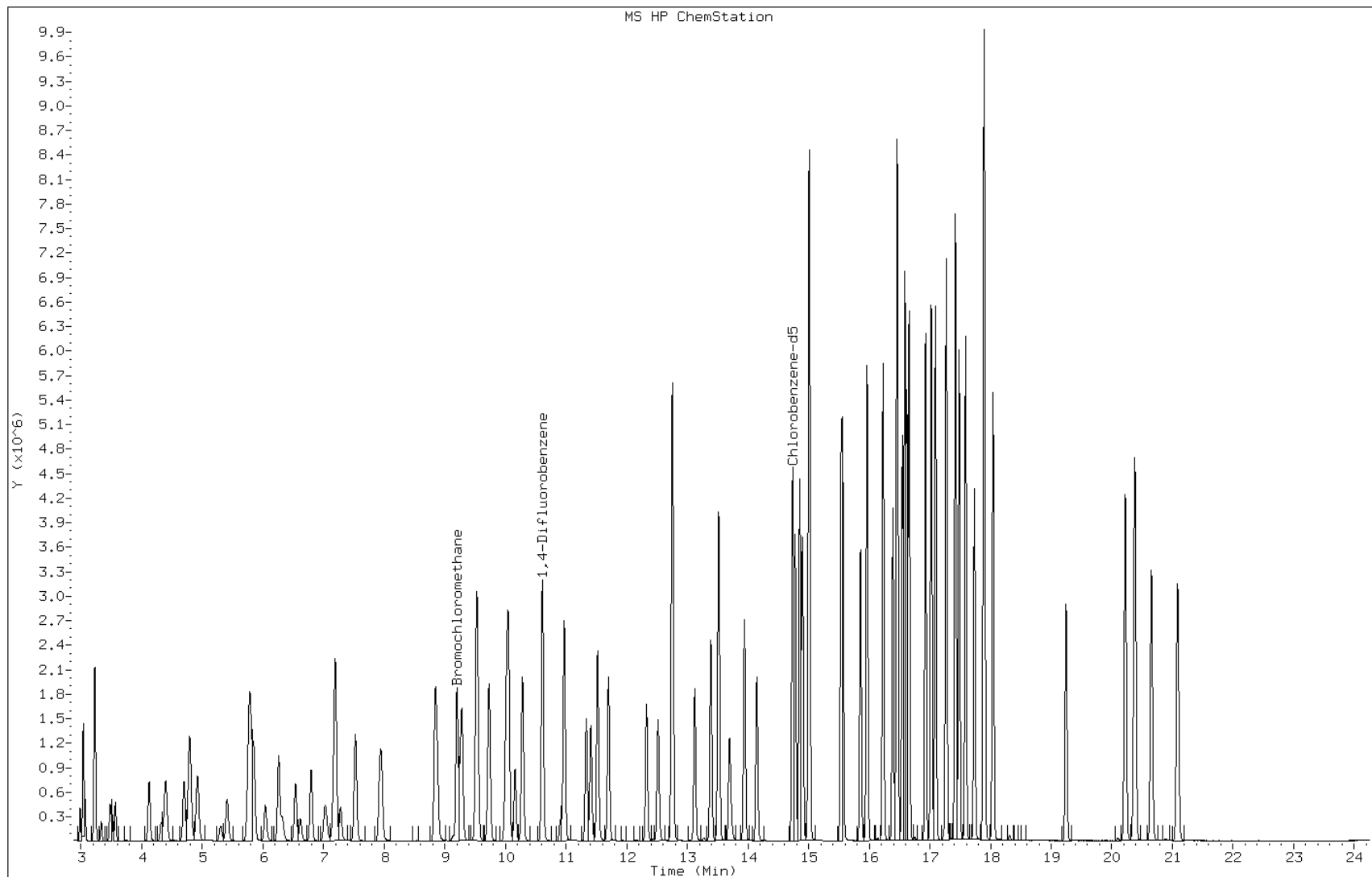
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.698	13.698	(0.929)	1302197	10.0000	9.6
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2151608	10.0000	11
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1900618	10.0000	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3757154	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	2994816	10.0000	10
67 n-Nonane	57	14.899	14.899	(1.011)	1645044	10.0000	10
68 Ethylbenzene	91	14.856	14.856	(1.008)	4413136	10.0000	10
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3788150	20.0000	21
M 70 Xylenes, Total	106				5655364	10.0000	32
71 Xylene (o)	106	15.539	15.539	(1.054)	1867214	10.0000	10
72 Styrene	104	15.566	15.566	(1.056)	2903159	10.0000	11
73 Bromoform	173	15.859	15.859	(1.076)	2162124	10.0000	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	5268427	10.0000	11
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2436253	10.0000	10
76 n-Propylbenzene	91	16.457	16.457	(1.117)	5954079	10.0000	11
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	1782282	10.0000	11
78 n-Decane	57	16.548	16.548	(1.123)	2038128	10.0000	10
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	5467298	10.0000	11
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	4636356	10.0000	11
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	4502932	10.0000	11
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	2480046	10.0000	11
83 tert-butylbenzene	119	17.023	17.023	(1.155)	4479873	10.0000	11
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	4491743	10.0000	11
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	6471371	10.0000	11
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	5781443	10.0000	11
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	3369145	10.0000	11
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	3392899	10.0000	11
89 Benzyl chloride	91	17.738	17.738	(1.204)	3932691	10.0000	11
90 Undecane	57	17.887	17.887	(1.214)	2013639	10.0000	11
91 n-Butylbenzene	91	17.903	17.903	(1.215)	4622098	10.0000	11
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	3179735	10.0000	11
93 Dodecane	57	19.243	19.243	(1.306)	1375184	10.0000	7.5
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2288844	10.0000	10
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1511910	10.0000	10
96 Naphthalene	128	20.652	20.652	(1.401)	4733519	10.0000	9.6
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	1841586	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkac002.d
Client ID: ccvis 132424
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 132424
Lab Sample ID: ccvis 132424

Date: 22-APR-2011 14:02
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 19-APR-2011 10:50
Operator : wrd Inst ID: B.i
Smp Info : VBFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/bfbto15.m
Meth Date : 24-Nov-2009 10:29 njr Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

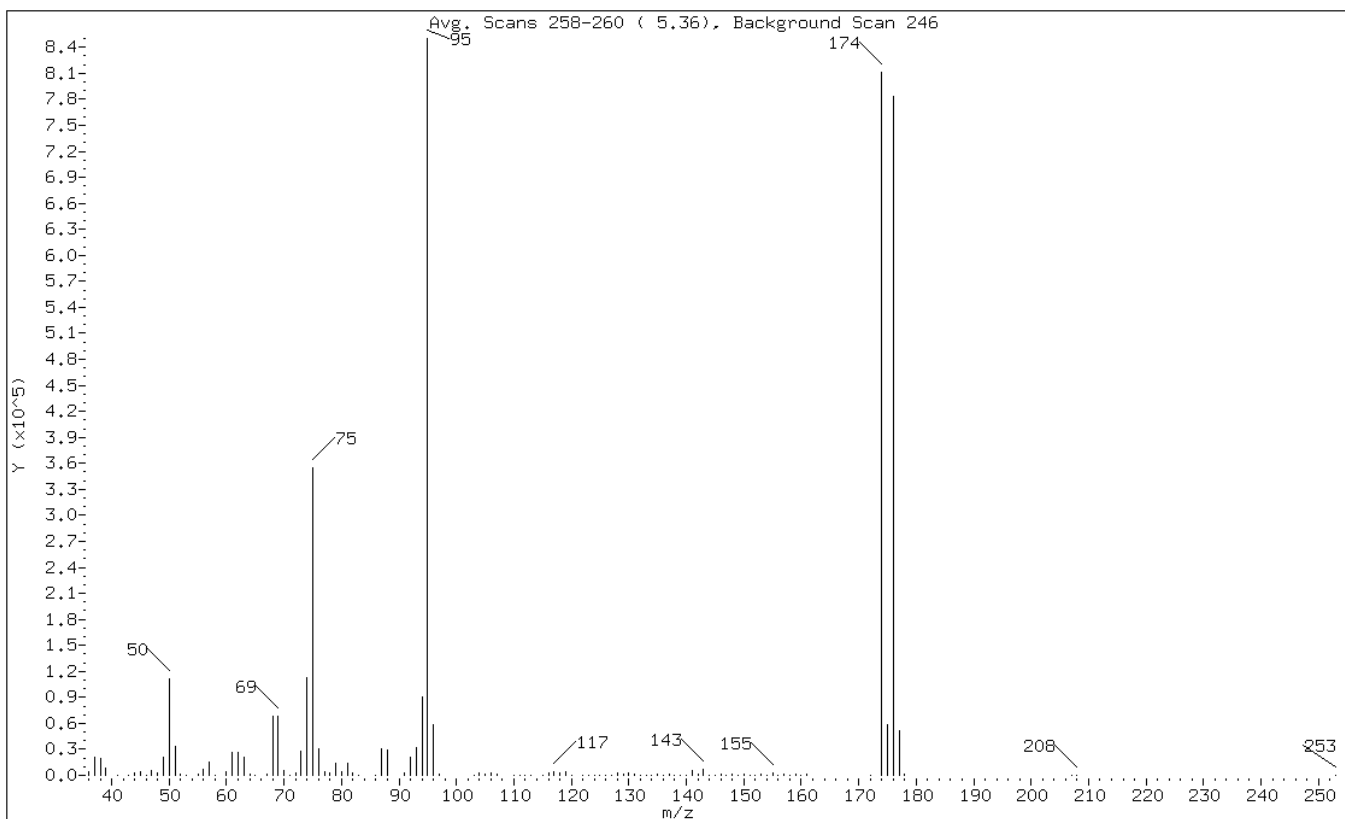
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$	1	bfb					CAS #: 460-00-4		
5.362	5.670	-0.308	95	850114			100.00- 100.00	100.00	
5.362	5.670	-0.308	50	110752			8.00- 40.00	13.03	
5.362	5.670	-0.308	75	354986			30.00- 66.00	41.76	
5.362	5.670	-0.308	96	58493			5.00- 9.00	6.88	
5.362	5.670	-0.308	173	0			0.00- 2.00	0.00	
5.362	5.670	-0.308	174	811584			50.00- 120.00	95.47	
5.362	5.670	-0.308	175	58032			4.00- 9.00	7.15	
5.362	5.670	-0.308	176	783594			93.00- 101.00	96.55	
5.362	5.670	-0.308	177	51789			5.00- 9.00	6.61	

Data File: bka001.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB
 1 bfb

Date: 19-APR-2011 10:50
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.03
75	30.00 - 66.00% of mass 95	41.76
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	95.47
175	4.00 - 9.00% of mass 174	6.83 (7.15)
176	93.00 - 101.00% of mass 174	92.18 (96.55)
177	5.00 - 9.00% of mass 176	6.09 (6.61)

Data File: bka001.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB

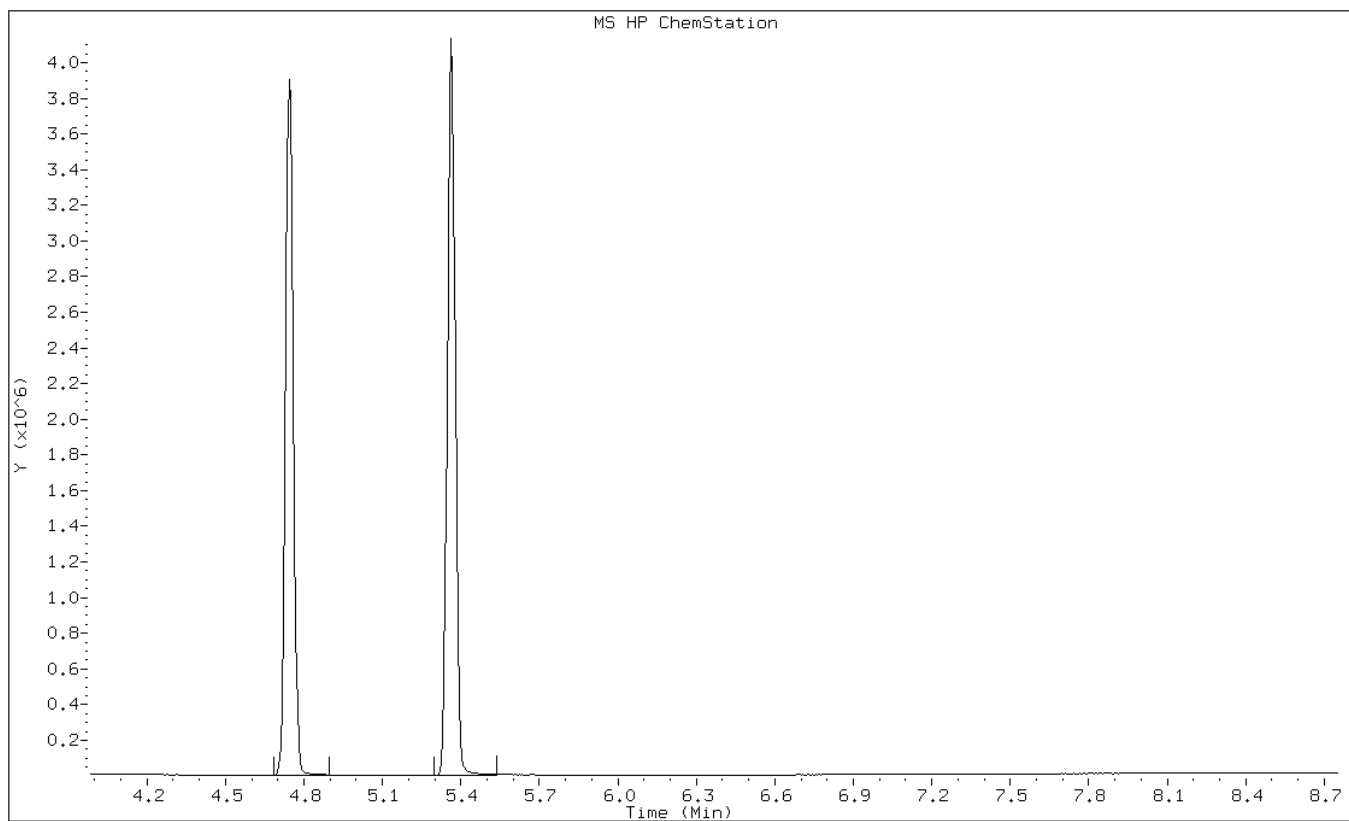
Date: 19-APR-2011 10:50
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkato15.b/bka001.d
 Spectrum: Avg. Scans 258-260 (5.36), Background Scan 246
 Location of Maximum: 95.00
 Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3572	71.00	182	112.00	291	144.00	393
37.00	21336	72.00	2933	113.00	437	145.00	579
38.00	19464	73.00	27152	115.00	647	146.00	1094
39.00	7785	74.00	112488	116.00	2306	147.00	526
41.00	49	75.00	354944	117.00	3931	148.00	2023
43.00	156	76.00	30408	118.00	2412	149.00	551
44.00	2381	77.00	3719	119.00	3487	150.00	731
45.00	4556	78.00	2465	120.00	163	151.00	46
46.00	347	79.00	13786	122.00	215	152.00	345
47.00	6172	80.00	4756	123.00	236	153.00	703
48.00	2787	81.00	14165	124.00	532	154.00	459
49.00	21360	82.00	3276	125.00	218	155.00	2141
50.00	110752	83.00	358	126.00	281	156.00	389
51.00	33368	86.00	649	127.00	246	157.00	1491
52.00	1444	87.00	30280	128.00	2729	158.00	203
53.00	37	88.00	29192	129.00	1442	159.00	813
55.00	1272	91.00	2097	130.00	2880	160.00	43
56.00	7639	92.00	20224	131.00	1212	161.00	833
57.00	15884	93.00	32472	132.00	167	172.00	264
58.00	578	94.00	90768	133.00	70	174.00	811584
60.00	4521	95.00	850112	134.00	187	175.00	58032
61.00	26080	96.00	58488	135.00	1288	176.00	783552
62.00	26760	97.00	1676	136.00	237	177.00	51784
63.00	21232	103.00	311	137.00	1258	178.00	1598
64.00	1926	104.00	2468	138.00	36	207.00	124
65.00	227	105.00	982	139.00	231	208.00	136
67.00	1664	106.00	2718	140.00	444	253.00	34
68.00	67848	107.00	751	141.00	6240		
69.00	68248	110.00	316	142.00	869		
70.00	5313	111.00	457	143.00	6631		

Data File: bka001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: VBFB
Lab Sample ID: BFB

Date: 19-APR-2011 10:50
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



Data File: /chem/B.i/Bsvr.p/bkacto15.b/bkac001.d
Report Date: 22-Apr-2011 13:25

Page 1

TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkac001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 22-APR-2011 13:11
Operator : pad Inst ID: B.i
Smp Info : VBFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/bfbto15.m
Meth Date : 24-Nov-2009 10:29 njr Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

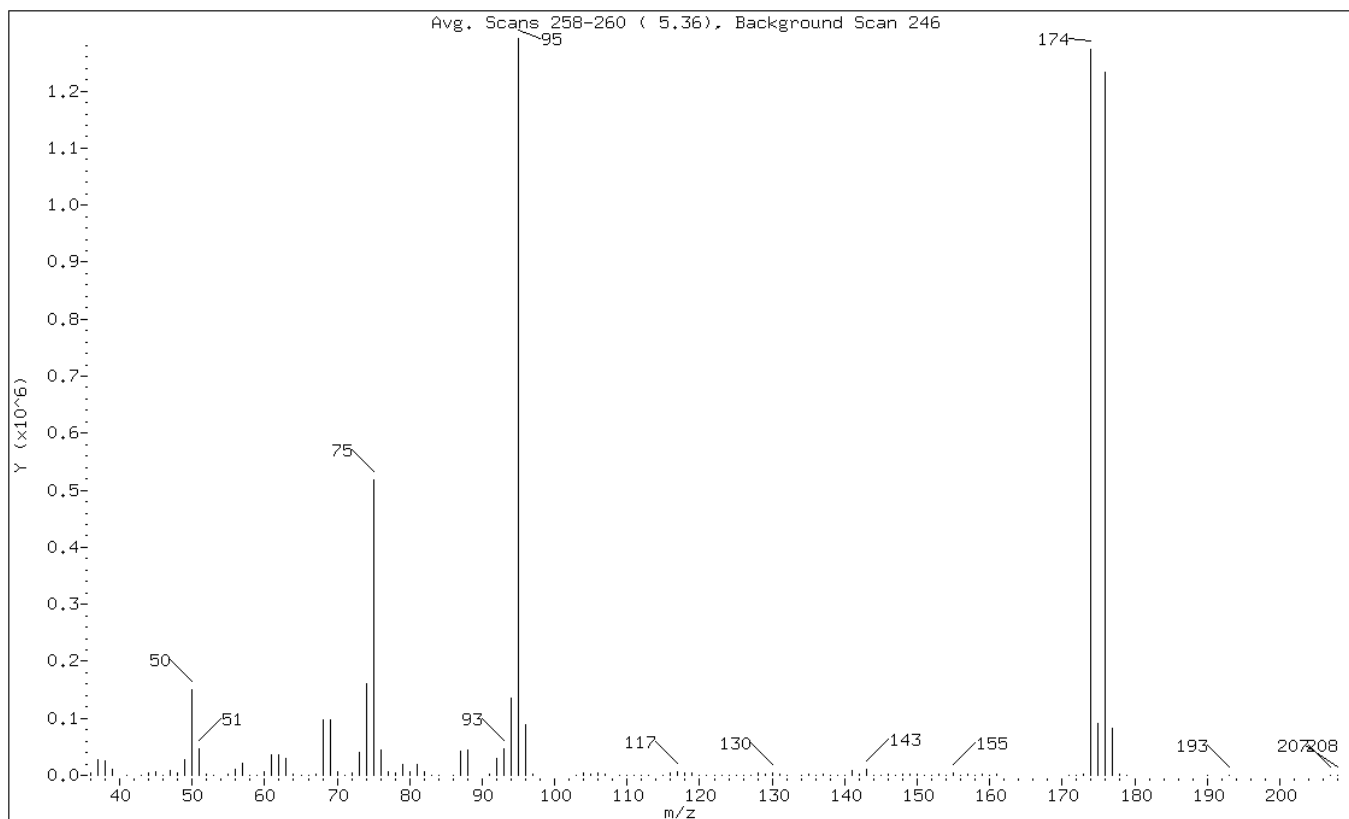
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$	1	bfb					CAS #: 460-00-4		
5.362	5.670	-0.308	95	1292288			100.00- 100.00	100.00	
5.362	5.670	-0.308	50	150084			8.00- 40.00	11.61	
5.362	5.670	-0.308	75	517888			30.00- 66.00	40.08	
5.362	5.670	-0.308	96	88354			5.00- 9.00	6.84	
5.362	5.670	-0.308	173	2235			0.00- 2.00	0.18	
5.362	5.670	-0.308	174	1273173			50.00- 120.00	98.52	
5.362	5.670	-0.308	175	89920			4.00- 9.00	7.06	
5.362	5.670	-0.308	176	1232384			93.00- 101.00	96.80	
5.362	5.670	-0.308	177	82117			5.00- 9.00	6.66	

Data File: bkac001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB
 1 bfb

Date: 22-APR-2011 13:11
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	11.61
75	30.00 - 66.00% of mass 95	40.08
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.17 (0.18)
174	50.00 - 120.00% of mass 95	98.52
175	4.00 - 9.00% of mass 174	6.96 (7.06)
176	93.00 - 101.00% of mass 174	95.36 (96.80)
177	5.00 - 9.00% of mass 176	6.35 (6.66)

Data File: bkac001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB

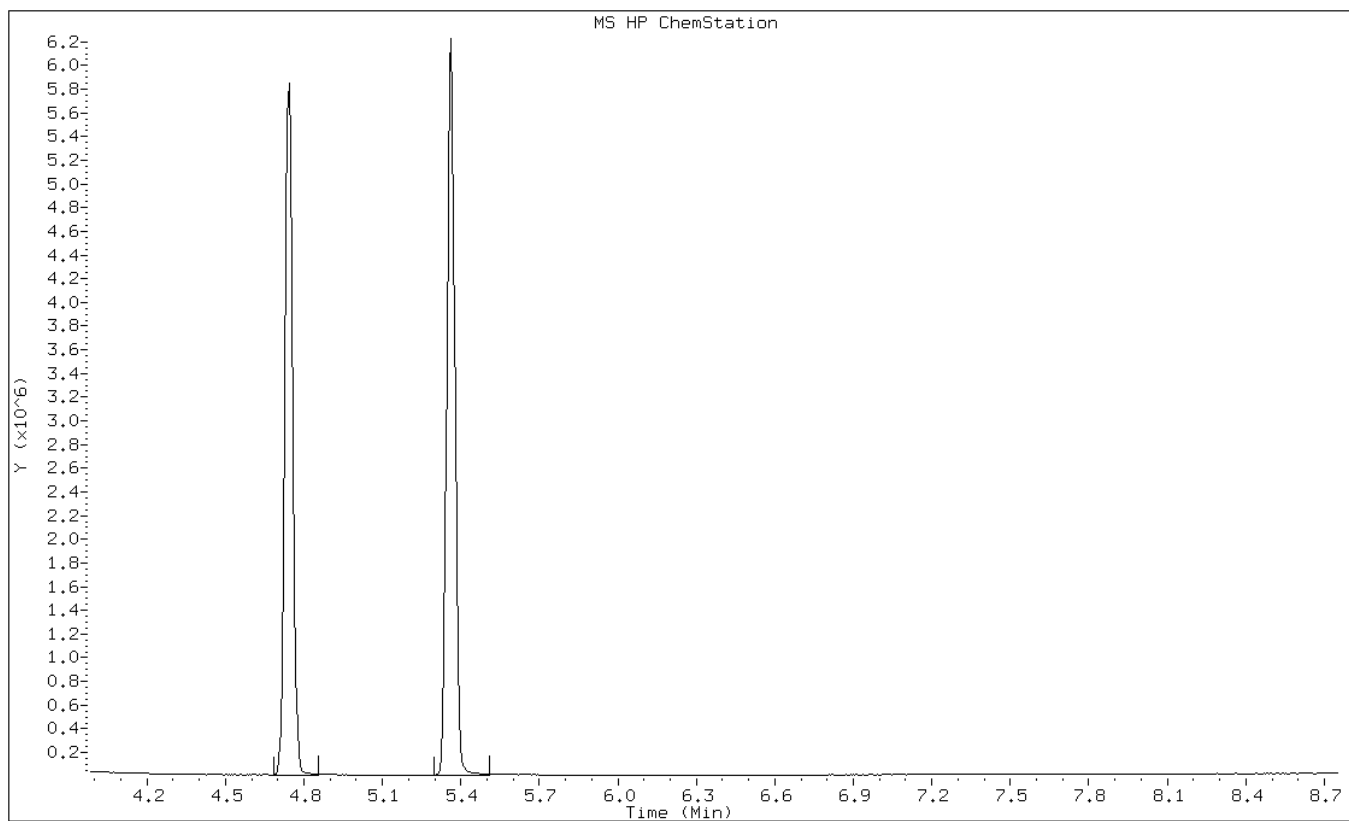
Date: 22-APR-2011 13:11
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkactol5.b/bkac001.d
 Spectrum: Avg. Scans 258-260 (5.36), Background Scan 246
 Location of Maximum: 95.00
 Number of points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4560	71.00	218	112.00	410	146.00	1756
37.00	26592	72.00	4482	113.00	574	147.00	926
38.00	24520	73.00	39536	115.00	1043	148.00	2857
39.00	9962	74.00	161344	116.00	3589	149.00	1077
41.00	107	75.00	517888	117.00	6399	150.00	1128
43.00	157	76.00	44840	118.00	3282	151.00	79
44.00	3206	77.00	5658	119.00	5152	152.00	675
45.00	5748	78.00	3675	120.00	231	153.00	1132
46.00	396	79.00	18752	121.00	43	154.00	756
47.00	8011	80.00	6842	122.00	369	155.00	3487
48.00	3589	81.00	19432	123.00	293	156.00	882
49.00	27888	82.00	5368	124.00	709	157.00	2459
50.00	150080	83.00	526	125.00	314	158.00	686
51.00	46616	84.00	37	126.00	442	159.00	1365
52.00	1893	86.00	889	127.00	278	160.00	135
53.00	93	87.00	42968	128.00	4231	161.00	1176
55.00	1598	88.00	43464	129.00	2072	171.00	97
56.00	10412	91.00	2932	130.00	4441	172.00	530
57.00	20888	92.00	29312	131.00	1752	173.00	2235
58.00	936	93.00	46904	132.00	183	174.00	1272832
59.00	36	94.00	134400	134.00	320	175.00	89920
60.00	6559	95.00	1292288	135.00	1916	176.00	1232384
61.00	35432	96.00	88352	136.00	385	177.00	82112
62.00	36712	97.00	2617	137.00	1787	178.00	2266
63.00	29592	103.00	375	138.00	39	179.00	37
64.00	2466	104.00	3555	139.00	344	190.00	45
65.00	293	105.00	1363	140.00	649	193.00	68
66.00	91	106.00	3988	141.00	9257	207.00	123
67.00	1880	107.00	1167	142.00	1087	208.00	204
68.00	96672	109.00	38	143.00	9624		
69.00	96368	110.00	500	144.00	611		
70.00	7167	111.00	584	145.00	781		

Data File: bkac001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: VBFB
Lab Sample ID: BFB

Date: 22-APR-2011 13:11
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
 Matrix: Air Lab File ID: bkac004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
 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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.038
75-45-6	Freon 22	86.47	0.50	U	0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.032
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.013
106-97-8	n-Butane	58.12	0.50	U	0.50	0.011
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.029
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.010
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.012
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.034
76-13-1	Freon TF	187.38	0.20	U	0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.030
67-64-1	Acetone	58.08	5.0	U	5.0	0.045
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.037
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.032
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.014
67-66-3	Chloroform	119.38	0.20	U	0.20	0.031
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.035
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.039
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.036
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.031
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
 Matrix: Air Lab File ID: bkac004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
 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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.014
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.088
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.026
108-88-3	Toluene	92.14	0.20	U	0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.039
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.30	0.20	U	0.20	0.020
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.022
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.048
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.022
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.022
100-42-5	Styrene	104.15	0.20	U	0.20	0.030
75-25-2	Bromoform	252.75	0.20	U	0.20	0.019
98-82-8	Cumene	120.19	0.20	U	0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.040
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.051
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.047
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.052
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.044
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.046
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
Matrix: Air Lab File ID: bkac004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.065
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.086

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
 Matrix: Air Lab File ID: bkac004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
 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.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.19
75-45-6	Freon 22	86.47	1.8	U	1.8	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.22
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.027
106-97-8	n-Butane	58.12	1.2	U	1.2	0.026
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.074
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.022
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.047
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.042
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.19
76-13-1	Freon TF	187.38	1.5	U	1.5	0.077
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.12
67-64-1	Acetone	58.08	12	U	12	0.11
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.091
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.059
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.045
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.22
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.058
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.13
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.092
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.14
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.050
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.056
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.056
67-66-3	Chloroform	119.38	0.98	U	0.98	0.15
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.053
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.19
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.13
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.17
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.13
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.041

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
Matrix: Air Lab File ID: bkac004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
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.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.053
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.065
123-91-1	1,4-Dioxane	88.11	18	U	18	0.32
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.073
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.068
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.091
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.10
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.075
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.18
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.30	0.92	U	0.92	0.092
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.096
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.21
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.096
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.096
100-42-5	Styrene	104.15	0.85	U	0.85	0.13
75-25-2	Bromoform	252.75	2.1	U	2.1	0.20
98-82-8	Cumene	120.19	0.98	U	0.98	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.27
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.25
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.23
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.25
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.26
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.26
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.26
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.26
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.26
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.24
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.30

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: _____ Lab Sample ID: MB 200-16914/4
Matrix: Air Lab File ID: bkac004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 15:50
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.: 16914 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.29
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.37
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.69
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.45

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkac004.d
Lab Smp Id: mb
Inj Date : 22-APR-2011 15:50
Operator : pad
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 24-Apr-2011 10:04 klp
Cal Date : 20-APR-2011 08:43
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
QC Sample: BLANK
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

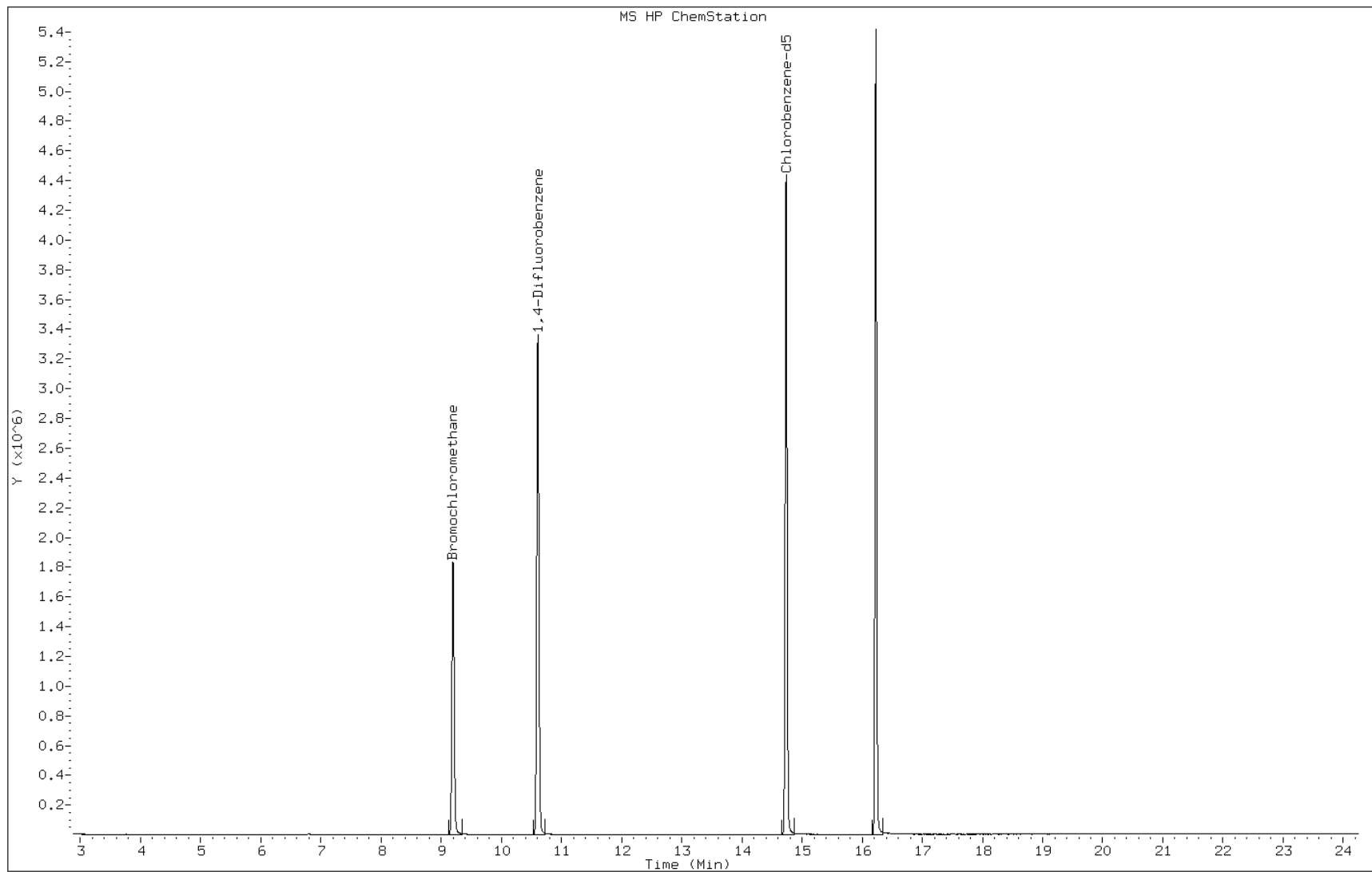
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Propene		41				Compound Not Detected.		
2 Dichlorodifluoromethane		85				Compound Not Detected.		
3 Chlorodifluoromethane		51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu		85				Compound Not Detected.		
5 Chloromethane		50				Compound Not Detected.		
6 Butane		43				Compound Not Detected.		
7 Vinyl chloride		62				Compound Not Detected.		
8 1,3-Butadiene		54				Compound Not Detected.		
9 Bromomethane		94				Compound Not Detected.		
10 Chloroethane		64				Compound Not Detected.		
11 2-Methylbutane		43				Compound Not Detected.		
12 Vinyl bromide		106				Compound Not Detected.		
13 Trichlorofluoromethane		101				Compound Not Detected.		
14 Pentane		43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.199	9.199	(1.000)		895659		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)		4402278		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3938658	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

Data File: bkac004.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 22-APR-2011 15:50
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: _____ Lab Sample ID: LCS 200-16914/3
 Matrix: Air Lab File ID: bkac003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 14:56
 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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.54		0.50	0.038
75-45-6	Freon 22	86.47	8.84		0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.48		0.20	0.032
74-87-3	Chloromethane	50.49	8.59		0.50	0.013
106-97-8	n-Butane	58.12	8.25		0.50	0.011
75-01-4	Vinyl chloride	62.50	9.04		0.20	0.029
106-99-0	1,3-Butadiene	54.09	9.13		0.20	0.010
74-83-9	Bromomethane	94.94	9.25		0.20	0.012
75-00-3	Chloroethane	64.52	8.91		0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.0		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	9.96		0.20	0.034
76-13-1	Freon TF	187.38	10.7		0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	10.9		0.20	0.030
67-64-1	Acetone	58.08	9.17		5.0	0.045
67-63-0	Isopropyl alcohol	60.10	8.55		5.0	0.037
75-15-0	Carbon disulfide	76.14	9.87		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.86		0.50	0.019
75-09-2	Methylene Chloride	84.93	9.57		0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	8.99		5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	9.76		0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	9.41		0.20	0.032
110-54-3	n-Hexane	86.17	9.24		0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	9.46		0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	9.80		0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	10.2		0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	19.6		0.20	0.014
67-66-3	Chloroform	119.38	9.75		0.20	0.031
109-99-9	Tetrahydrofuran	72.11	8.98		5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	10.0		0.20	0.035
110-82-7	Cyclohexane	84.16	9.82		0.20	0.039
56-23-5	Carbon tetrachloride	153.81	9.91		0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	9.44		0.20	0.036
71-43-2	Benzene	78.11	9.70		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.43		0.20	0.031
142-82-5	n-Heptane	100.21	8.83		0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
 SDG No.: 200-4737
 Client Sample ID: _____ Lab Sample ID: LCS 200-16914/3
 Matrix: Air Lab File ID: bkac003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 14:56
 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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.80		0.20	0.030
80-62-6	Methyl methacrylate	100.12	9.52		0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	9.30		0.20	0.014
123-91-1	1,4-Dioxane	88.11	8.97		5.0	0.088
75-27-4	Bromodichloromethane	163.83	10.1		0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	9.62		0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	8.91		0.50	0.026
108-88-3	Toluene	92.14	9.61		0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	9.69		0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	9.22		0.20	0.019
127-18-4	Tetrachloroethene	165.83	9.79		0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.77		0.50	0.039
124-48-1	Dibromochloromethane	208.29	10.5		0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	9.68		0.20	0.018
108-90-7	Chlorobenzene	112.30	9.43		0.20	0.020
100-41-4	Ethylbenzene	106.17	9.65		0.20	0.022
179601-23-1	m,p-Xylene	106.17	19.6		0.50	0.048
95-47-6	Xylene, o-	106.17	9.61		0.20	0.022
1330-20-7	Xylene (total)	106.17	29.2		0.20	0.022
100-42-5	Styrene	104.15	9.96		0.20	0.030
75-25-2	Bromoform	252.75	11.0		0.20	0.019
98-82-8	Cumene	120.19	9.97		0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.34		0.20	0.040
103-65-1	n-Propylbenzene	120.19	10.1		0.20	0.050
622-96-8	4-Ethyltoluene	120.20	10.2		0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	9.76		0.20	0.051
95-49-8	2-Chlorotoluene	126.59	10.0		0.20	0.047
98-06-6	tert-Butylbenzene	134.22	10.1		0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	9.63		0.20	0.052
135-98-8	sec-Butylbenzene	134.22	9.96		0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	10.3		0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	9.85		0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	9.94		0.20	0.044
100-44-7	Benzyl chloride	126.58	10.1		0.20	0.046
104-51-8	n-Butylbenzene	134.22	10.3		0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-4737-1
SDG No.: 200-4737
Client Sample ID: _____ Lab Sample ID: LCS 200-16914/3
Matrix: Air Lab File ID: bkac003.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/22/2011 14:56
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.: 16914 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.50		0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	9.87		0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	9.85		0.20	0.065
91-20-3	Naphthalene	128.17	10.1		0.50	0.086

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkac003.d
 Lab Smp Id: lcs 133740 Client Smp ID: lcs 133740
 Inj Date : 22-APR-2011 14:56
 Operator : pad Inst ID: B.i
 Smp Info : lcs 133740
 Misc Info : 200,1, lcs
 Comment :
 Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
 Meth Date : 24-Apr-2011 10:04 klp Quant Type: ISTD
 Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	2.987	2.992	(0.325)	166270	8.02077	8.0	
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1213189	9.53686	9.5	
3 Chlorodifluoromethane	51	3.067	3.072	(0.333)	467156	8.84339	8.8	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1169368	9.48499	9.5	
5 Chloromethane	50	3.333	3.339	(0.362)	227416	8.58912	8.6	
6 Butane	43	3.483	3.488	(0.379)	379460	8.25227	8.3	
7 Vinyl chloride	62	3.515	3.520	(0.382)	328738	9.03660	9.0	
8 1,3-Butadiene	54	3.568	3.574	(0.388)	241461	9.13282	9.1	
9 Bromomethane	94	4.123	4.129	(0.448)	607678	9.25249	9.3	
10 Chloroethane	64	4.326	4.326	(0.470)	282223	8.90689	8.9	
11 2-Methylbutane	43	4.396	4.401	(0.478)	495409	8.17088	8.2	
12 Vinyl bromide	106	4.700	4.705	(0.511)	868454	10.0049	10	
13 Trichlorofluoromethane	101	4.790	4.801	(0.521)	2125970	9.96157	10	
14 Pentane	43	4.924	4.924	(0.535)	818631	8.40929	8.4	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.303	5.308	(0.576)	316283	13.1658	13
16 Ethyl ether	59	5.410	5.415	(0.588)	482715	9.00833	9.0
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	1843274	10.6593	11
18 Acrolein	56	5.756	5.756	(0.626)	230873	8.22900	8.2
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	901752	10.8539	11
20 Acetone	43	6.039	6.045	(0.657)	808351	9.16854	9.2
21 Carbon disulfide	76	6.263	6.269	(0.681)	2299571	9.86909	9.9
22 Isopropanol	45	6.317	6.322	(0.687)	612244	8.54707	8.5
23 Allyl chloride	41	6.541	6.541	(0.711)	682984	8.85513	8.9
24 Acetonitrile	41	6.621	6.626	(0.720)	407324	8.83007	8.8
25 Methylene chloride	49	6.797	6.802	(0.739)	688678	9.57008	9.6
26 Tert-butyl alcohol	59	7.027	7.037	(0.764)	1045808	8.98995	9.0
27 Methyl tert-butyl ether	73	7.181	7.187	(0.781)	2175732	9.75540	9.8
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	1008495	9.41325	9.4
29 Acrylonitrile	53	7.283	7.288	(0.792)	475383	9.28771	9.3
30 n-Hexane	57	7.528	7.528	(0.818)	1086851	9.24141	9.2
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1278906	9.46430	9.5
32 Vinyl acetate	43	7.961	7.966	(0.865)	1427040	8.98557	9.0
M 33 1,2-Dichloroethene,Total	61				1967035	19.6165	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	958540	10.2032	10
35 Ethyl acetate	88	8.873	8.878	(0.965)	79084	9.88708	9.9
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	392913	9.80365	9.8(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	889175	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.872)	617395	8.98208	9.0
39 Chloroform	83	9.284	9.284	(1.009)	1658006	9.75125	9.8
40 Cyclohexane	84	9.530	9.535	(0.898)	1226066	9.82009	9.8
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	1816680	9.99771	10
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1986703	9.90826	9.9
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.945)	3344616	9.44251	9.4
44 Benzene	78	10.053	10.053	(0.948)	2530819	9.70126	9.7
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	949878	9.42502	9.4
46 n-Heptane	43	10.282	10.282	(0.969)	1051587	8.83153	8.8
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	4282632	10.0000	
48 n-Butanol	56	10.901	10.906	(1.028)	309710	8.00913	8.0
49 Trichloroethene	95	10.971	10.971	(1.034)	1200975	9.79722	9.8
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	803064	9.30416	9.3
51 Methyl methacrylate	69	11.408	11.408	(1.075)	855465	9.51864	9.5
52 Dibromomethane	174	11.520	11.520	(1.086)	1165382	10.2493	10
53 1,4-Dioxane	88	11.520	11.520	(1.086)	358744	8.96954	9.0
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1867520	10.0853	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1377743	9.61856	9.6
56 Methyl isobutyl ketone	43	12.513	12.518	(1.180)	1313977	8.91352	8.9
57 n-Octane	43	12.758	12.758	(1.203)	1380340	8.75874	8.8
58 Toluene	92	12.753	12.748	(0.865)	1994432	9.61479	9.6
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1423945	9.68763	9.7
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	877145	9.22443	9.2
61 Tetrachloroethene	166	13.522	13.516	(0.917)	1794776	9.79468	9.8

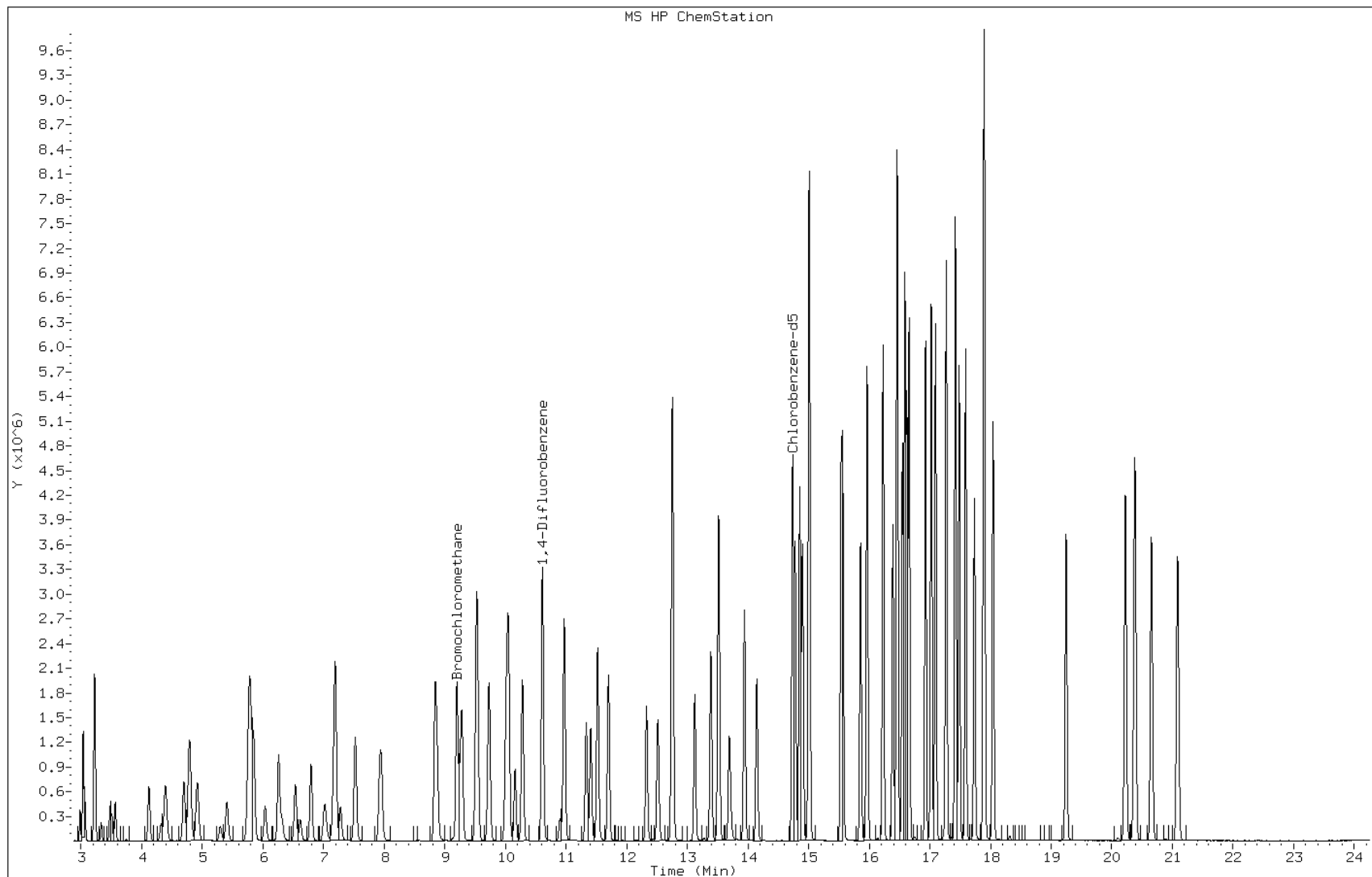
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1257948	8.77342	8.8
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2238325	10.4793	10
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1858770	9.67875	9.7
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3955202	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	2934488	9.42841	9.4
67 n-Nonane	57	14.899	14.899	(1.011)	1588075	9.23518	9.2
68 Ethylbenzene	91	14.856	14.856	(1.008)	4322884	9.64929	9.6
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3673921	19.5802	20
M 70 Xylenes, Total	106				5475644	29.1877	29
71 Xylene (o)	106	15.539	15.539	(1.054)	1801723	9.60744	9.6
72 Styrene	104	15.566	15.566	(1.056)	2842245	9.95950	10
73 Bromoform	173	15.859	15.859	(1.076)	2207672	10.9740	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	5254230	9.97197	10
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2293003	9.34376	9.3
76 n-Propylbenzene	91	16.457	16.457	(1.117)	5879643	10.1425	10
77 1,2,3-Trichloropropane	75	16.468	16.468	(1.117)	1732073	9.76640	9.8
78 n-Decane	57	16.548	16.548	(1.123)	1993038	9.37788	9.4
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	5474432	10.2212	10
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	4622460	10.0059	10
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	4379382	9.75652	9.8
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	2463133	10.3160	10
83 tert-butylbenzene	119	17.023	17.023	(1.155)	4493430	10.0547	10
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	4300411	9.63234	9.6
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	6432891	9.95876	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	5782779	10.2729	10
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	3240234	9.85183	9.9
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	3290486	9.94224	9.9
89 Benzyl chloride	91	17.738	17.738	(1.204)	3767531	10.1065	10
90 Undecane	57	17.887	17.887	(1.214)	2031040	10.1345	10
91 n-Butylbenzene	91	17.903	17.903	(1.215)	4596689	10.3361	10
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	2988115	9.49522	9.5
93 Dodecane	57	19.243	19.243	(1.306)	1785615	9.24007	9.2
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2310748	9.86721	9.9
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1493895	9.84599	9.8
96 Naphthalene	128	20.652	20.652	(1.401)	5227549	10.1067	10
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2055932	10.8899	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkac003.d
Client ID: lcs 133740
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 133740
Lab Sample ID: lcs 133740

Date: 22-APR-2011 14:56
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information				
Batch ID: BKA		Start Date: 4/19/11		Time: 1030		ISTD Lot #: 84580		Instrument ID: B				
Test Method: 7015		End Date: 4/20/11		Time: 1030		CAL STD Lot # See comments		Instrument: 5973				
ICAL Date: 4/19/11						ICV/LCS Lot # See comments		Column Type: RTX-624				
Manager		Analyst		Analyst		Analyst		Analyst				
Name/Initial		Paul Doyle		Paul Doyle		Paul Doyle		Paul Doyle				
Signature		P.D./J.PAD		P.D./J.PAD		P.D./J.PAD		P.D./J.PAD				
Injection Time		TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1050	BKA 001	N/A	N/A	BFB	N/A	2	200	PAD	N/A	✓	PAD	
1213	002	4632	4632	VIBLK		3			✓	✓		132519 R
1305	003	5292	5292	N/A		4			N/A	↑		132517
1357	004	343643	343643	Level 2		5			✓	✓		132507
1450	005	3482	3482	Level 3		6			✓	✓		132424
1542	006	2571	2571	Level 4		7			✓	✓		132422
1634	007	3155	3155	Level 5		8			✓	✓		132406
1727	008	2575	2575	Level 6		9			✓	✓		1324075
1819	009	2961	2961	Level 7		2			✓	✓		1324075
1911	010	4632	4632	VIBLK		2			✓	✓		1324075
2004	011					2			✓	✓		1324075
2056	012	2874	2874	N/A		10			✓	✓		129435 R
2149	013	4632	4632	VIBLK		2			✓	✓		132521
0843	014	3308	3308	N/A Level 1		2			N/A	✓		
0934	015	4632	4632	VIBLK		1			✓	✓		
1027	016	5014	5014	ICV		11			✓	✓		133740 AG
1116	017	4632	4632	VIBLK		1			✓	✓		
<div style="display: flex; justify-content: space-between;"> Page 169 of 263 Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓=Reviewed and Acceptable </div>												

16014 2284/25/11

Sequence			Standard Traceability			Instrument Information	
Batch ID: BKAC	Start Date: 4/22/11	Time: 1311	ISTD Lot #: 84580	CAL STD Lot # 132424	Instrument ID: B		
Test Method: TO15	End Date: 4/23/11	Time: 1414			Instrument: 5973		
ICAL Date: 4/19/11	4/22/11	1311	4/23/11	133740	Column Type: RTX-624		
Manager	Analyst	Analyst	Analyst	Analyst	Analyst		
Name/Initial							
Signature							
Sequence Information							
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	
1311	BKAC 001	N/A	BFB	N/A	1	200	
1402	002	2571	CCV	↓	2	200	
1450	003	5014	LCS	↓	3	200	
1550	004	4632	MB	↓	4	10	
1642	005	Bag	4797-21	20	5	10	
1734	006	↓	-22	20	6	200	
1827	007	↓	-23	↓	7	200	
1919	008	↓	-24	↓	8	100	
2011	009	Bag	4816-01	2	9	100	
2104	010	↓	-02	2	10	200	
2150	011	↓	-03	↓	11	100	
2248	012	5084	4714-01	2	12	11	
2341	013	3599	4737-01	18.2	13	19	
0033	014	4642	↓	49.7	14	24	
0120	015	4260	↓	1960	15	200	
0219	016	4548	4762-01	↓	16	20	
0312	017	4819	↓	10	1	20	
0405	018	4447	↓	10	2	200	
0459	019	5046	3923-01	↓	3	200	
0552	020	4809	4833-01	↓	4	200	
0646	021	3405	4814-01	↓	5	↓	
0731	022	2854	↓	↓	6	↓	
0832	023	5050	↓	↓	7	↓	
0924	024	3573	↓	↓			
Individual Sample Review							
	Internal Std.	Result Conc.	Primary Anal.				
	N/A	✓	PAD				
	↓	✓	1			AG-	
	✓	✓	KLP			AG-	
	✓	✓					
	✓	✓					
	✓	✓					
	✓	✓					
	✓	↑				1,1,1-Hichromet Wand 160ppm/100	
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Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓ = Low ▪ ✓ = Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4737-1SDG No.: 200-4737Instrument ID: B.iStart Date: 04/19/2011 10:50Analysis Batch Number: 16751End Date: 04/20/2011 11:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16751/1		04/19/2011 10:50	1	bka001.d	RTX-624 0.32 (mm)
VIBLK 200-16751/2		04/19/2011 12:13	1		RTX-624 0.32 (mm)
IC 200-16751/3		04/19/2011 13:05	1		RTX-624 0.32 (mm)
IC 200-16751/4		04/19/2011 13:57	1	bka004.d	RTX-624 0.32 (mm)
IC 200-16751/5		04/19/2011 14:50	1	bka005.d	RTX-624 0.32 (mm)
ICIS 200-16751/6		04/19/2011 15:42	1	bka006.d	RTX-624 0.32 (mm)
IC 200-16751/7		04/19/2011 16:34	1	bka007.d	RTX-624 0.32 (mm)
IC 200-16751/8		04/19/2011 17:27	1	bka008.d	RTX-624 0.32 (mm)
IC 200-16751/9		04/19/2011 18:19	1	bka009.d	RTX-624 0.32 (mm)
VIBLK 200-16751/10		04/19/2011 19:11	1		RTX-624 0.32 (mm)
VIBLK 200-16751/11		04/19/2011 20:04	1		RTX-624 0.32 (mm)
ICV 200-16751/12		04/19/2011 20:56	1		RTX-624 0.32 (mm)
VIBLK 200-16751/13		04/19/2011 21:49	1		RTX-624 0.32 (mm)
IC 200-16751/14		04/20/2011 08:43	1	bka014.d	RTX-624 0.32 (mm)
VIBLK 200-16751/15		04/20/2011 09:34	1		RTX-624 0.32 (mm)
ICV 200-16751/16		04/20/2011 10:27	1	bka016.d	RTX-624 0.32 (mm)
VIBLK 200-16751/17		04/20/2011 11:18	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4737-1SDG No.: 200-4737Instrument ID: B.iStart Date: 04/22/2011 13:11Analysis Batch Number: 16914End Date: 04/23/2011 09:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16914/1		04/22/2011 13:11	1	bkac001.d	RTX-624 0.32 (mm)
CCVIS 200-16914/2		04/22/2011 14:02	1	bkac002.d	RTX-624 0.32 (mm)
LCS 200-16914/3		04/22/2011 14:56	1	bkac003.d	RTX-624 0.32 (mm)
MB 200-16914/4		04/22/2011 15:50	1	bkac004.d	RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 16:42	20		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 17:34	20		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 18:27	1		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 19:19	1		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 20:11	2		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 21:04	2		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 21:56	1		RTX-624 0.32 (mm)
ZZZZZ		04/22/2011 22:48	2		RTX-624 0.32 (mm)
200-4737-1	SL 118	04/22/2011 23:41	18.2	bkac013.d	RTX-624 0.32 (mm)
200-4737-2	SL 022	04/23/2011 00:33	49.7	bkac014.d	RTX-624 0.32 (mm)
200-4737-3	SL 084	04/23/2011 01:26	1960	bkac015.d	RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 02:19	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 03:12	10		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 04:05	10		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 04:59	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 05:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 06:46	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 07:39	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 08:32	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2011 09:24	1		RTX-624 0.32 (mm)

[illegible]

³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

N/A

Summa Canister Dilution Worksheet

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 200-4737-1

Client: 200-4737

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-4737-2	1	-6.5	0.78	0.78	39.6	3.69	3.69	4.72	4.72	04/22/11 14:40	Daigle, Paul A
200-4737-3	1	-6.3	0.79	0.79	40.3	3.74	3.74	4.74	4.74	04/20/11 8:21	Desjardins, William R
200-4737-3	1	0	1.00	1.00	40.1	3.73	3.73	3.73	17.68	04/20/11 8:24	Desjardins, William R
200-4737-3	1	0	1.00	1.00	38.6	3.63	3.63	3.63	64.18	04/22/11 14:41	Daigle, Paul A
200-4737-3	1	0	1.00	1.00	39.2	3.67	3.67	3.67	235.54	04/22/11 14:44	Daigle, Paul A

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Vol = Volume of SUMMA canister at atmospheric pressure

Certification Type: ☒ Batch ☐ Individual

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

²To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Certification Type: ☒ Batch ☐ Individual

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: cjqa003.d
Lab ID: LCS 200-15121/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.78	98	70-130	
Dichlorodifluoromethane	10.0	10.2	102	70-130	
Freon 22	10.0	9.81	98	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.3	103	70-130	
Chloromethane	10.0	9.82	98	70-130	
n-Butane	10.0	9.79	98	70-130	
Vinyl chloride	10.0	10.2	102	70-130	
1,3-Butadiene	10.0	10.5	105	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	9.87	99	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.3	103	70-130	
Trichlorofluoromethane	10.0	10.0	100	70-130	
Ethanol	15.0	13.9	92	70-130	
Freon TF	10.0	11.0	110	70-130	
1,1-Dichloroethene	10.0	11.2	112	70-130	
Acetone	10.0	10.2	102	70-130	
Isopropyl alcohol	10.0	9.38	94	70-130	
Carbon disulfide	10.0	9.38	94	70-130	
3-Chloropropene	10.0	9.87	99	70-130	
Methylene Chloride	10.0	10.2	102	70-130	
tert-Butyl alcohol	10.0	9.34	93	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	9.90	99	70-130	
n-Hexane	10.0	10.3	103	70-130	
1,1-Dichloroethane	10.0	9.88	99	70-130	
Vinyl acetate	10.0	10.2	102	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	10.2	102	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	9.86	99	70-130	
Tetrahydrofuran	10.0	10.0	100	70-130	
1,1,1-Trichloroethane	10.0	9.84	98	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	9.87	99	70-130	
2,2,4-Trimethylpentane	10.0	9.85	99	70-130	
Benzene	10.0	9.74	97	70-130	
1,2-Dichloroethane	10.0	9.55	96	70-130	
n-Heptane	10.0	9.56	96	70-130	
Trichloroethene	10.0	9.70	97	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.50	95	70-130	
1,4-Dioxane	10.0	8.51	85	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: cjqa003.d
Lab ID: LCS 200-15121/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.3	103	70-130	
cis-1,3-Dichloropropene	10.0	9.63	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.42	94	70-130	
trans-1,3-Dichloropropene	10.0	9.61	96	70-130	
1,1,2-Trichloroethane	10.0	9.11	91	70-130	
Tetrachloroethene	10.0	9.60	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.14	91	70-130	
Dibromochloromethane	10.0	10.4	104	70-130	
1,2-Dibromoethane	10.0	9.48	95	70-130	
Chlorobenzene	10.0	9.40	94	70-130	
Ethylbenzene	10.0	9.99	100	70-130	
m,p-Xylene	20.0	20.2	101	70-130	
Xylene, o-	10.0	9.87	99	70-130	
Styrene	10.0	10.1	101	70-130	
Bromoform	10.0	10.7	107	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.71	97	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.8	108	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	10.8	108	70-130	
1,2,4-Trimethylbenzene	10.0	10.6	106	70-130	
sec-Butylbenzene	10.0	11.2	112	70-130	
4-Isopropyltoluene	10.0	11.3	113	70-130	
1,3-Dichlorobenzene	10.0	9.67	97	70-130	
1,4-Dichlorobenzene	10.0	9.69	97	70-130	
Benzyl chloride	10.0	8.65	86	70-130	
n-Butylbenzene	10.0	10.9	109	70-130	
1,2-Dichlorobenzene	10.0	9.55	95	70-130	
1,2,4-Trichlorobenzene	10.0	7.20	72	70-130	
Hexachlorobutadiene	10.0	9.85	99	70-130	
Naphthalene	10.0	7.54	75	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: cjrg003.d
Lab ID: LCS 200-15924/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.7	117	70-130	
Dichlorodifluoromethane	10.0	11.5	115	70-130	
Freon 22	10.0	11.7	117	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.9	109	70-130	
Chloromethane	10.0	11.4	114	70-130	
n-Butane	10.0	12.7	127	70-130	
Vinyl chloride	10.0	11.2	112	70-130	
1,3-Butadiene	10.0	12.0	120	70-130	
Bromomethane	10.0	9.51	95	70-130	
Chloroethane	10.0	10.1	101	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.99	100	70-130	
Trichlorofluoromethane	10.0	11.6	116	70-130	
Ethanol	15.0	15.5	103	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.9	110	70-130	
Acetone	10.0	12.5	125	70-130	
Isopropyl alcohol	10.0	11.2	112	70-130	
Carbon disulfide	10.0	10.2	102	70-130	
3-Chloropropene	10.0	12.3	123	70-130	
Methylene Chloride	10.0	12.0	120	70-130	
tert-Butyl alcohol	10.0	10.9	109	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	11.2	112	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	11.2	112	70-130	
Vinyl acetate	10.0	12.6	126	70-130	
Ethyl acetate	10.0	9.68	97	70-130	
Methyl Ethyl Ketone	10.0	9.79	98	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	11.2	112	70-130	
Tetrahydrofuran	10.0	12.0	120	70-130	
1,1,1-Trichloroethane	10.0	11.8	118	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	11.9	119	70-130	
2,2,4-Trimethylpentane	10.0	11.2	112	70-130	
Benzene	10.0	10.1	101	70-130	
1,2-Dichloroethane	10.0	12.9	129	70-130	
n-Heptane	10.0	12.5	125	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	10.7	107	70-130	
1,4-Dioxane	10.0	8.35	84	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: cjrg003.d
 Lab ID: LCS 200-15924/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	12.3	123	70-130	
cis-1,3-Dichloropropene	10.0	11.0	110	70-130	
methyl isobutyl ketone	10.0	13.1	131	70-130	*
Toluene	10.0	9.63	96	70-130	
trans-1,3-Dichloropropene	10.0	11.7	117	70-130	
1,1,2-Trichloroethane	10.0	9.51	95	70-130	
Tetrachloroethene	10.0	9.63	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.7	127	70-130	
Dibromochloromethane	10.0	11.6	116	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.76	98	70-130	
Ethylbenzene	10.0	10.7	107	70-130	
m,p-Xylene	20.0	20.3	102	70-130	
Xylene, o-	10.0	9.85	99	70-130	
Styrene	10.0	10.9	109	70-130	
Bromoform	10.0	11.7	117	70-130	
Cumene	10.0	10.9	109	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70-130	
n-Propylbenzene	10.0	11.5	115	70-130	
4-Ethyltoluene	10.0	11.6	116	70-130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70-130	
2-Chlorotoluene	10.0	11.6	116	70-130	
tert-Butylbenzene	10.0	11.0	110	70-130	
1,2,4-Trimethylbenzene	10.0	11.3	113	70-130	
sec-Butylbenzene	10.0	11.6	116	70-130	
4-Isopropyltoluene	10.0	11.8	118	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.1	101	70-130	
Benzyl chloride	10.0	9.96	100	70-130	
n-Butylbenzene	10.0	12.0	120	70-130	
1,2-Dichlorobenzene	10.0	10.1	101	70-130	
1,2,4-Trichlorobenzene	10.0	9.76	98	70-130	
Hexachlorobutadiene	10.0	11.2	112	70-130	
Naphthalene	10.0	9.88	99	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Lab File ID: cjqa004.d Lab Sample ID: MB 200-15121/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: C.i Date Analyzed: 03/14/2011 20:28
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-15121/3	cjqa003.d	03/14/2011 19:40
3688	200-4233-3	cjqa009.d	03/15/2011 02:38

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-15121/4
 Matrix: Air Lab File ID: cjqa004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 03/14/2011 20:28
 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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-15121/4

Matrix: Air Lab File ID: cjqa004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/14/2011 20:28

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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-15121/4
Matrix: Air Lab File ID: cjqa004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/14/2011 20:28
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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cjqato15.b/cjqa004.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 14-MAR-2011 20:28
Operator : sv Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/cjqato15.b/tol5v5.m
Meth Date : 15-Mar-2011 22:22 sv Quant Type: ISTD
Cal Date : 12-MAR-2011 18:03 Cal File: cjqa009.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
1 Propene		41						
2 Dichlorodifluoromethane		85						
3 Chlorodifluoromethane		51						
4 1,2-Dichloro-1,1,2,2-tetraflu		85						
5 Chloromethane		50						
6 Butane		43						
7 Vinyl chloride		62						
8 1,3-Butadiene		54						
9 Bromomethane		94						
10 Chloroethane		64						
11 2-Methylbutane		43						
12 Vinyl bromide		106						
13 Trichlorofluoromethane		101						
14 Pentane		43						

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	10.159	10.165	(1.000)		807610		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	11.483	11.488	(1.000)		5023931		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

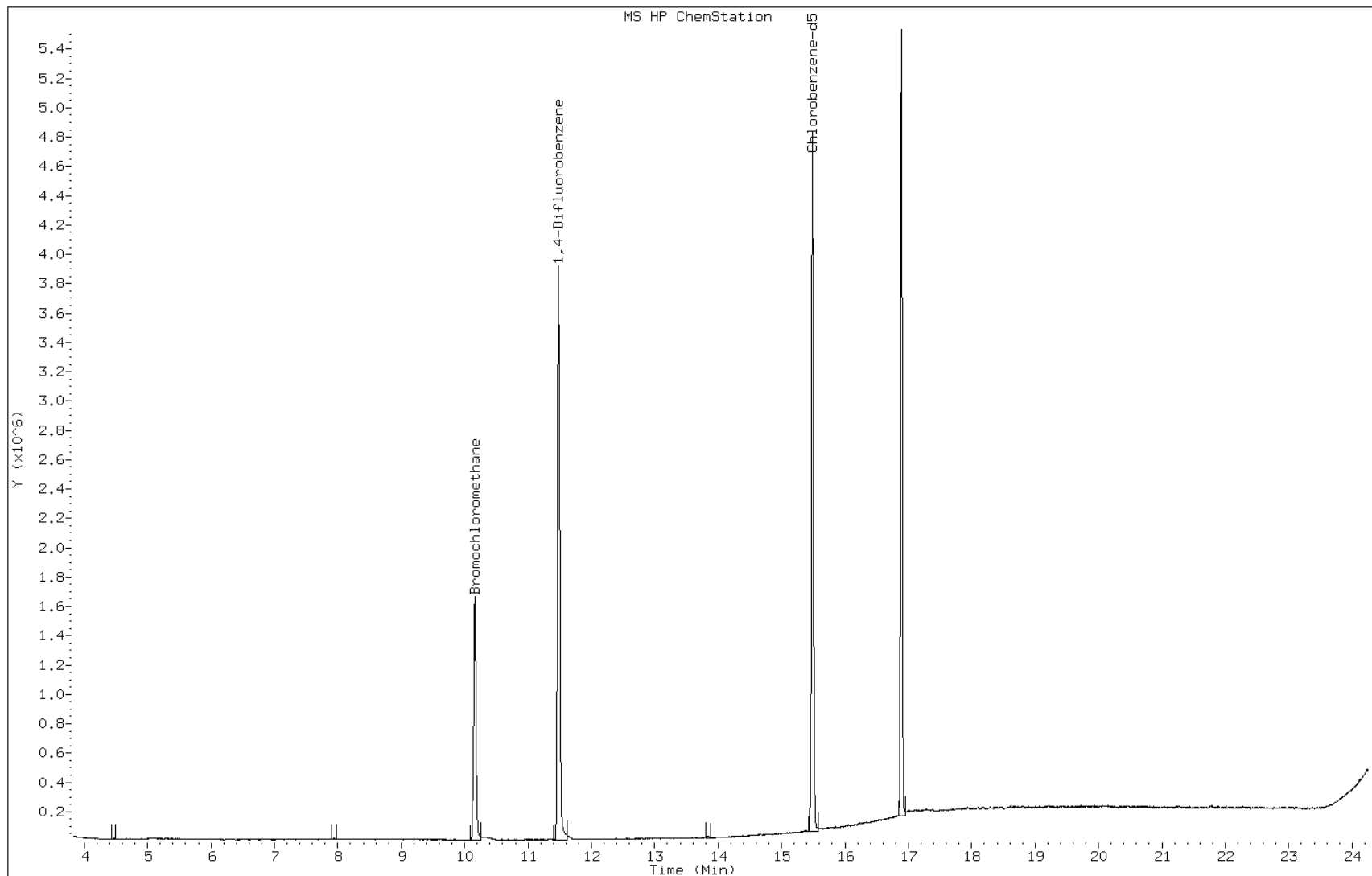
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.485	15.486	(1.000)	4060635	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180	22.279	22.285	(1.439)	5332	0.04689	0.047(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: cjqa004.d
Client ID: mb
Operator: sv
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 14-MAR-2011 20:28
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
SDG No.: _____
Lab File ID: cjrg004.d Lab Sample ID: MB 200-15924/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: C.i Date Analyzed: 03/31/2011 17:57
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-15924/3	cjrg003.d	03/31/2011 17:09
4666	200-4478-3	cjrg017.d	04/01/2011 04:22

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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-15924/4

Matrix: Air Lab File ID: cjrg004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/31/2011 17:57

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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-15924/4

Matrix: Air Lab File ID: cjrg004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/31/2011 17:57

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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-15924/4
Matrix: Air Lab File ID: cjrg004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/31/2011 17:57
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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cjrgto15.b/cjrg004.d
Lab Smp Id: mb
Inj Date : 31-MAR-2011 17:57
Operator : pad
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/cjrgto15.b/to15v5.m
Meth Date : 03-Apr-2011 18:18 sv
Cal Date : 22-MAR-2011 22:39
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cjr009.d
QC Sample: BLANK
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

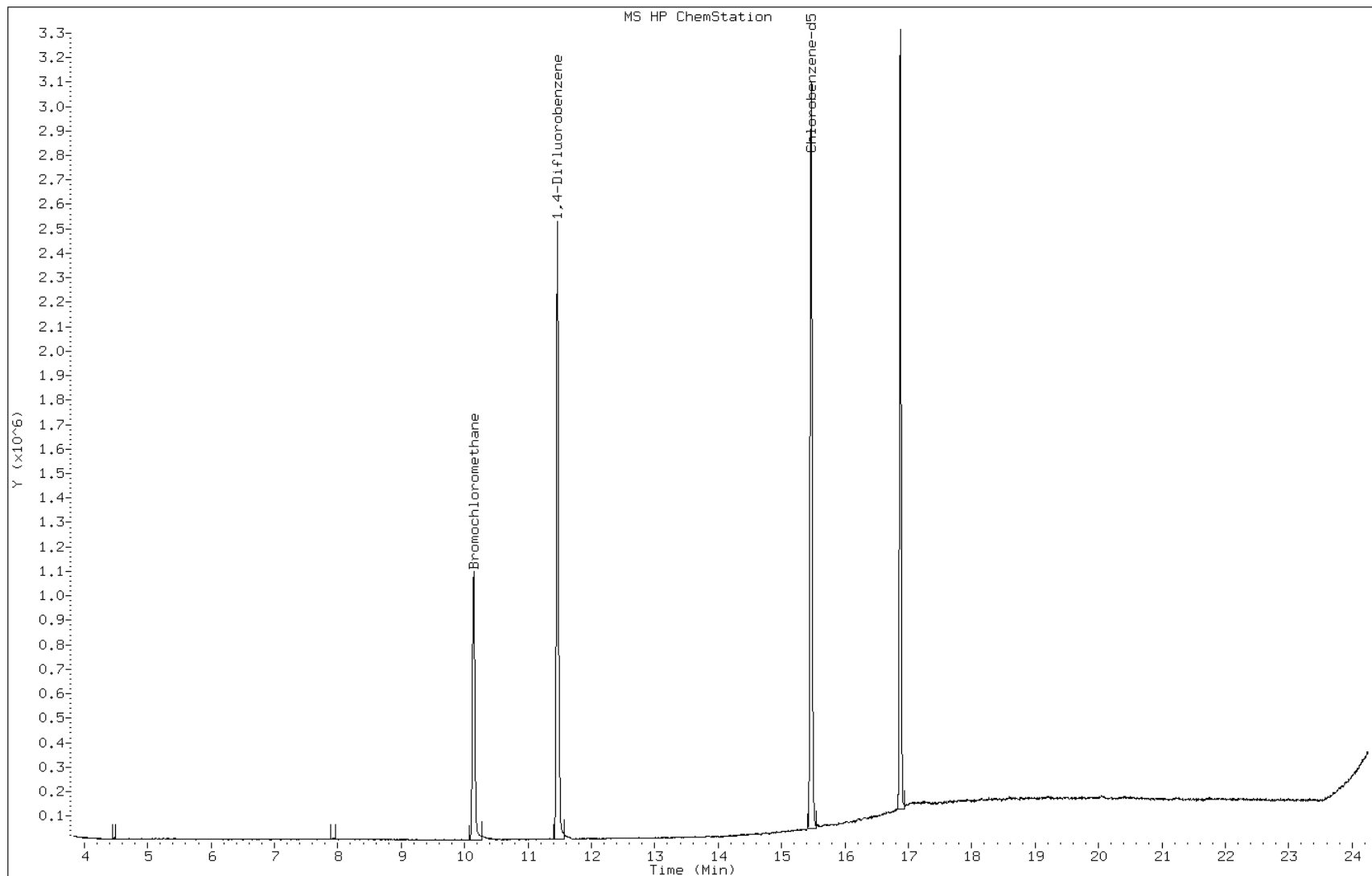
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
1 Propene		41						
2 Dichlorodifluoromethane		85						
3 Chlorodifluoromethane		51						
4 1,2-Dichloro-1,1,2,2-tetraflu		85						
5 Chloromethane		50						
6 Butane		43						
7 Vinyl chloride		62						
8 1,3-Butadiene		54						
9 Bromomethane		94						
10 Chloroethane		64						
11 2-Methylbutane		43						
12 Vinyl bromide		106						
13 Trichlorofluoromethane		101						
14 Pentane		43						

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	10.143	10.154	(1.000)		430112		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	11.467	11.478	(1.000)		2735521		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.464	15.480	(1.000)	2192270	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

Data File: cjrg004.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 31-MAR-2011 17:57
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Lab File ID: cjq001.d BFB Injection Date: 03/12/2011
 Instrument ID: C.i BFB Injection Time: 11:35
 Analysis Batch No.: 15119

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.4
75	30.0 - 66.0% of mass 95	48.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 120.0% of mass 95	70.1
175	4.0 - 9.0 % of mass 174	5.0 (7.1) 1
176	93.0 - 101.0% of mass 174	66.9 (95.4) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
	IC 200-15119/3	cjq003.d	03/12/2011	13:14
	IC 200-15119/4	cjq004.d	03/12/2011	14:02
	IC 200-15119/5	cjq005.d	03/12/2011	14:51
	ICIS 200-15119/6	cjq006.d	03/12/2011	15:39
	IC 200-15119/7	cjq007.d	03/12/2011	16:27
	IC 200-15119/8	cjq008.d	03/12/2011	17:15
	IC 200-15119/9	cjq009.d	03/12/2011	18:03
	ICV 200-15119/11	cjq011.d	03/12/2011	19:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Lab File ID: cjqa001.d BFB Injection Date: 03/14/2011
 Instrument ID: C.i BFB Injection Time: 17:51
 Analysis Batch No.: 15121

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.0
75	30.0 - 66.0% of mass 95	50.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 120.0% of mass 95	62.1
175	4.0 - 9.0 % of mass 174	4.3 (6.9) 1
176	93.0 - 101.0% of mass 174	58.9 (94.9) 1
177	5.0 - 9.0% of mass 176	3.8 (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 200-15121/2	cjqa002.d	03/14/2011	18:37
	LCS 200-15121/3	cjqa003.d	03/14/2011	19:40
	MB 200-15121/4	cjqa004.d	03/14/2011	20:28
3688	200-4233-3	cjqa009.d	03/15/2011	02:38

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab File ID: cjr001.d BFB Injection Date: 03/22/2011
 Instrument ID: C.i BFB Injection Time: 16:18
 Analysis Batch No.: 15668

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.1
75	30.0 - 66.0% of mass 95	48.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 120.0% of mass 95	64.4
175	4.0 - 9.0 % of mass 174	4.7 (7.3) 1
176	93.0 - 101.0% of mass 174	61.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.1 (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
	IC 200-15668/3	cjr003.d	03/22/2011	17:52
	IC 200-15668/4	cjr004.d	03/22/2011	18:40
	IC 200-15668/5	cjr005.d	03/22/2011	19:27
	ICIS 200-15668/6	cjr006.d	03/22/2011	20:15
	IC 200-15668/7	cjr007.d	03/22/2011	21:03
	IC 200-15668/8	cjr008.d	03/22/2011	21:51
	IC 200-15668/9	cjr009.d	03/22/2011	22:39
	ICV 200-15668/12	cjr012.d	03/23/2011	01:03

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab File ID: cjrg001.d BFB Injection Date: 03/31/2011
 Instrument ID: C.i BFB Injection Time: 15:33
 Analysis Batch No.: 15924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.5
75	30.0 - 66.0% of mass 95	48.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 120.0% of mass 95	68.4
175	4.0 - 9.0 % of mass 174	4.8 (7.1) 1
176	93.0 - 101.0% of mass 174	65.6 (96.0) 1
177	5.0 - 9.0% of mass 176	4.3 (6.6) 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 200-15924/2	cjrg002.d	03/31/2011	16:21
	LCS 200-15924/3	cjrg003.d	03/31/2011	17:09
	MB 200-15924/4	cjrg004.d	03/31/2011	17:57
4666	200-4478-3	cjrg017.d	04/01/2011	04:22

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Sample No.: ICIS 200-15119/6 Date Analyzed: 03/12/2011 15:39
Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): cjq006.d Heated Purge: (Y/N) N
Calibration ID: 5326

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	843485	10.16	4539946	11.49	3878976	15.49	
UPPER LIMIT	1180879	10.49	6355924	11.82	5430566	15.82	
LOWER LIMIT	506091	9.83	2723968	11.16	2327386	15.16	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-15119/11		949939	10.18	5140897	11.50	4530134	15.49

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Sample No.: CCVIS 200-15121/2 Date Analyzed: 03/14/2011 18:37
 Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): cjqa002.d Heated Purge: (Y/N) N
 Calibration ID: 5326

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		980234	10.16	5350733	11.49	4781476	15.49
UPPER LIMIT		1372328	10.49	7491026	11.82	6694066	15.82
LOWER LIMIT		588140	9.83	3210440	11.16	2868886	15.16
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-15121/3		1044108	10.16	5657998	11.49	5080991	15.49
MB 200-15121/4		807610	10.16	5023931	11.48	4060635	15.49
200-4233-3	3688	853485	10.16	5441524	11.49	4538520	15.49

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
SDG No.: _____
Sample No.: ICIS 200-15668/6 Date Analyzed: 03/22/2011 20:15
Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): cjr006.d Heated Purge: (Y/N) N
Calibration ID: 5511

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	993261	10.15	5529549	11.48	4549383	15.48	
UPPER LIMIT	1390565	10.48	7741369	11.81	6369136	15.81	
LOWER LIMIT	595957	9.82	3317729	11.15	2729630	15.15	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-15668/12		994275	10.15	5545563	11.48	4918879	15.48

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Sample No.: CCVIS 200-15924/2 Date Analyzed: 03/31/2011 16:21
 Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): cjrg002.d Heated Purge: (Y/N) N
 Calibration ID: 5511

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		564581	10.14	3113935	11.47	2910706	15.46
UPPER LIMIT		790413	10.47	4359509	11.80	4074988	15.79
LOWER LIMIT		338749	9.81	1868361	11.14	1746424	15.13
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-15924/3		560452	10.12	3114343	11.45	2837921	15.46
MB 200-15924/4		430112	10.14	2735521	11.47	2192270	15.46
200-4478-3		4666	435000	10.14	2675592	11.46	2185889

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Client Sample ID: 3688 Lab Sample ID: 200-4233-3
 Matrix: Air Lab File ID: cjqa009.d
 Analysis Method: TO-15 Date Collected: 03/14/2011 00:00
 Sample wt/vol: 200 (mL) Date Analyzed: 03/15/2011 02:38
 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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Client Sample ID: 3688 Lab Sample ID: 200-4233-3

Matrix: Air Lab File ID: cjqa009.d

Analysis Method: TO-15 Date Collected: 03/14/2011 00:00

Sample wt/vol: 200 (mL) Date Analyzed: 03/15/2011 02:38

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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
SDG No.: _____
Client Sample ID: 3688 Lab Sample ID: 200-4233-3
Matrix: Air Lab File ID: cjqa009.d
Analysis Method: TO-15 Date Collected: 03/14/2011 00:00
Sample wt/vol: 200 (mL) Date Analyzed: 03/15/2011 02:38
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.: 15121 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4233-3
Client Smp ID: 3688
Inj Date : 15-MAR-2011 02:38
Operator : sv
Smp Info : 200-4233-A-3
Misc Info : 200,1, all74+mn
Comment :
Method : /chem/C.i/Csvr.p/cjqato15.b/to15v5.m
Meth Date : 15-Mar-2011 22:22 sv
Cal Date : 12-MAR-2011 18:03
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cjq009.d
Compound Sublist: all74+MN.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

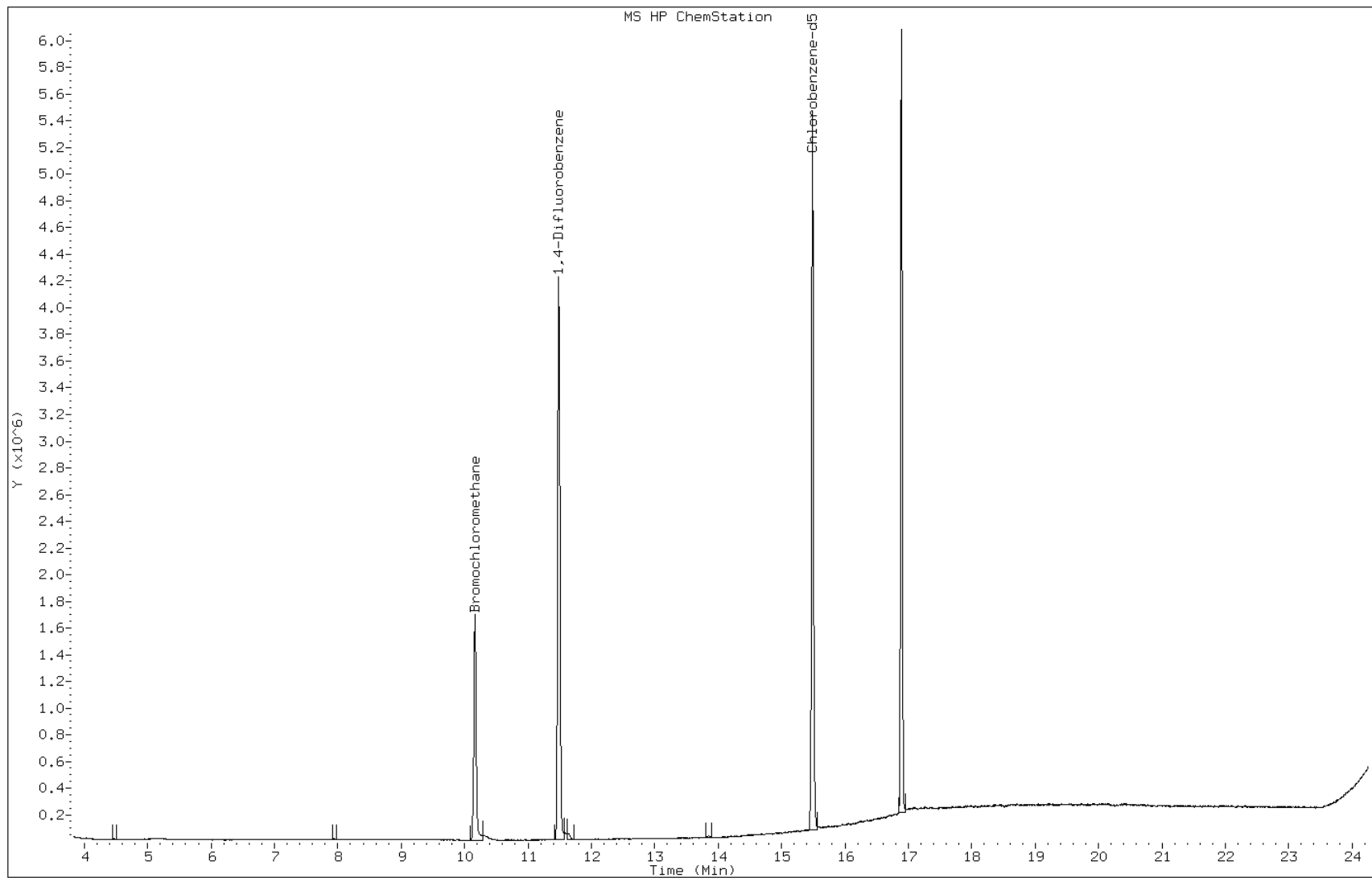
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
15 Ethanol	45				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	10.165	10.165	(1.000)		853485		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	11.488	11.488	(1.000)		5441524		10.0000	
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.485	15.486	(1.000)		4538520		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

Data File: cjqa009.d
Client ID: 3688
Operator: sv
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4233-A-3
Lab Sample ID: 200-4233-3

Date: 15-MAR-2011 02:38
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Client Sample ID: 4666 Lab Sample ID: 200-4478-3
 Matrix: Air Lab File ID: cjrg017.d
 Analysis Method: TO-15 Date Collected: 03/31/2011 00:00
 Sample wt/vol: 200 (mL) Date Analyzed: 04/01/2011 04:22
 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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1

SDG No.: _____

Client Sample ID: 4666 Lab Sample ID: 200-4478-3

Matrix: Air Lab File ID: cjrg017.d

Analysis Method: TO-15 Date Collected: 03/31/2011 00:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/01/2011 04:22

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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U *	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
SDG No.: _____
Client Sample ID: 4666 Lab Sample ID: 200-4478-3
Matrix: Air Lab File ID: cjrg017.d
Analysis Method: TO-15 Date Collected: 03/31/2011 00:00
Sample wt/vol: 200 (mL) Date Analyzed: 04/01/2011 04:22
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.: 15924 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4478-3
Client Smp ID: 4666
Inj Date : 01-APR-2011 04:22
Operator : pad Inst ID: C.i
Smp Info : 200-4478-A-3
Misc Info : 200,1, all74+mn
Comment :
Method : /chem/C.i/Csvr.p/cjrgto15.b/to15v5.m
Meth Date : 03-Apr-2011 18:18 sv Quant Type: ISTD
Cal Date : 22-MAR-2011 22:39 Cal File: cjr009.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
15 Ethanol	45				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	10.138	10.154	(1.000)		435000		10.0000	(Q)
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	11.461	11.478	(1.000)		2675592		10.0000	
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.464	15.480	(1.000)		2185889		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		

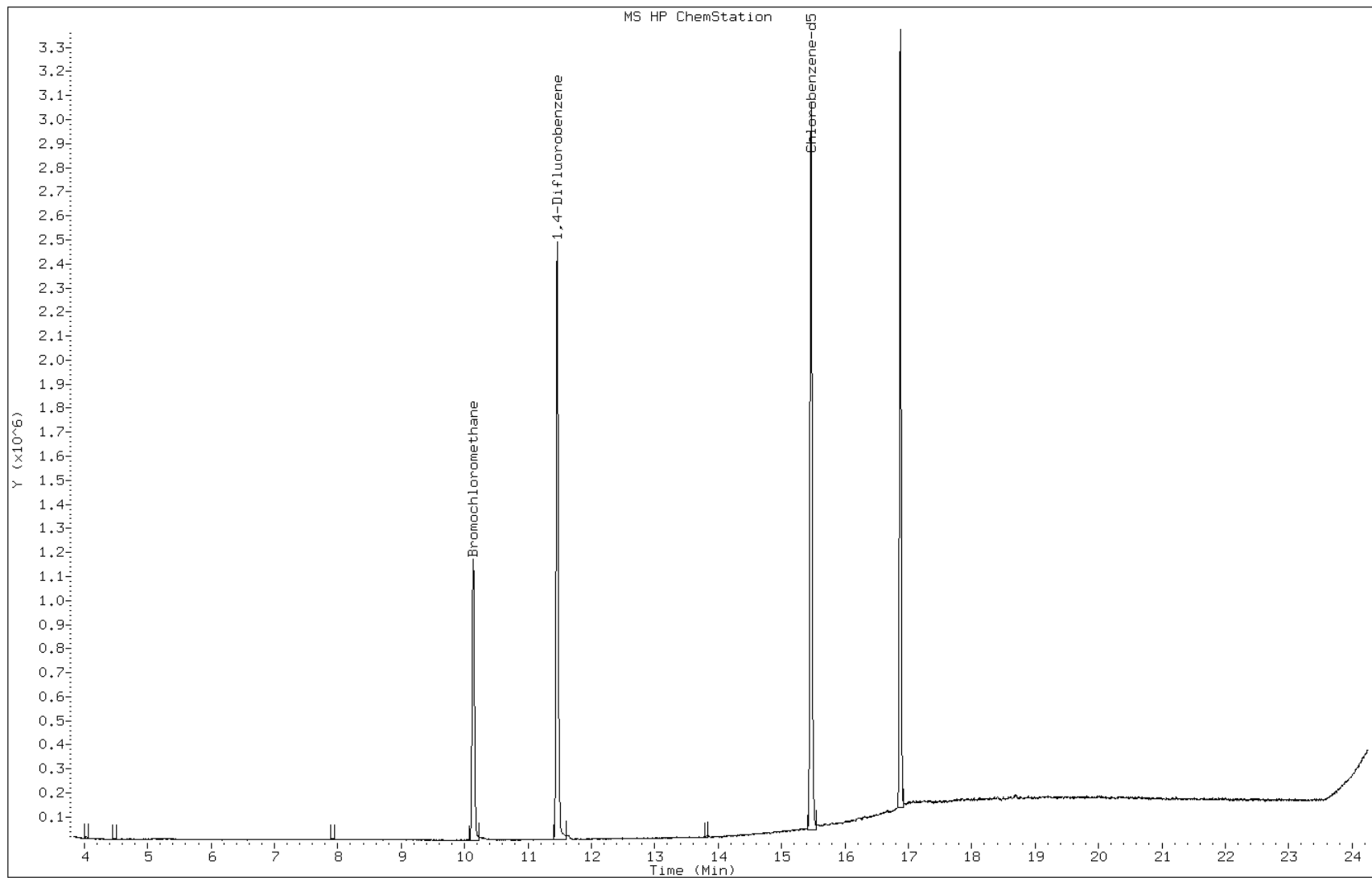
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: cjrg017.d
Client ID: 4666
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4478-A-3
Lab Sample ID: 200-4478-3

Date: 01-APR-2011 04:22
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-15119/3	ic 109460	cjq003.d
Level 2	IC 200-15119/4	ic 109451	cjq004.d
Level 3	IC 200-15119/5	ic 109449	cjq005.d
Level 4	ICIS 200-15119/6	icis 119928	cjq006.d
Level 5	IC 200-15119/7	ic 109427	cjq007.d
Level 6	IC 200-15119/8	ic 109425	cjq008.d
Level 7	IC 200-15119/9	ic 109424	cjq009.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4062	0.4398 0.3710	0.4515	0.4209	0.4167	Ave		0.4177				6.7		30.0			
Dichlorodifluoromethane	+++++ 2.3456	2.4955 2.0933	2.5514	2.4345	2.4304	Ave		2.3918				6.8		30.0			
Freon 22	+++++ 1.0068	1.1383 0.9329	1.0885	1.0634	1.0416	Ave		1.0452				6.8		30.0			
1,2-Dichlorotetrafluoroethane	2.4498 2.6007	2.7844 2.2841	2.8330	2.7204	2.6924	Ave		2.6235				7.5		30.0			
Chloromethane	+++++ 0.5854	0.6720 0.5457	0.6335	0.6006	0.6047	Ave		0.6070				7.1		30.0			
n-Butane	+++++ 0.8720	0.8800 0.7857	0.9594	0.9083	0.9068	Ave		0.8853				6.5		30.0			
Vinyl chloride	0.7413 0.8180	0.8179 0.7477	0.8557	0.8275	0.8414	Ave		0.8071				5.6		30.0			
1,3-Butadiene	0.5526 0.5513	0.5495 0.4991	0.5768	0.5537	0.5672	Ave		0.5500				4.5		30.0			
Isopropyl alcohol	+++++ 0.6389	+++++ 0.5437	0.6814	0.6958	0.5709	Ave		0.6261				10.7		30.0			
Bromomethane	1.0950 0.9741	1.0476 0.9298	1.0048	0.9729	0.9830	Ave		1.0010				5.5		30.0			
Chloroethane	+++++ 0.4765	0.5102 0.4507	0.5051	0.4842	0.4871	Ave		0.4856				4.4		30.0			
Isopentane	0.7737 0.6987	0.7675 0.6350	0.7606	0.7216	0.7194	Ave		0.7252				6.7		30.0			
Acrolein	+++++ 0.2748	+++++ 0.2332	0.2975	0.2480	0.2871	Ave		0.2681				10.0		30.0			
Bromoethene (Vinyl Bromide)	1.0604 1.0589	1.0294 1.0075	1.0536	1.0354	1.0598	Ave		1.0436				1.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichlorofluoromethane	2.3325 2.3927	2.4245 2.2131	2.4714	2.3866	2.4284	Ave		2.3785				3.6		30.0			
n-Pentane	++++ 1.0612	1.0154 0.9604	1.1280	1.0882	1.0864	Ave		1.0566				5.7		30.0			
Ethanol	++++ 0.2569	0.2742 0.2207	0.2190	0.2274	0.2306	Ave		0.2381				9.4		30.0			
Ethyl ether	0.6170 0.5791	0.6136 0.5328	0.6094	0.5852	0.5905	Ave		0.5897				4.9		30.0			
Freon TF	1.8902 1.9596	1.9208 1.7771	1.9669	1.9420	1.9645	Ave		1.9173				3.5		30.0			
1,1-Dichloroethene	0.8881 0.9923	0.9784 0.9442	0.9888	0.9636	0.9836	Ave		0.9627				3.8		30.0			
Acetone	++++ 0.7903	++++ 0.6898	0.9573	0.8443	0.7643	Ave		0.8092				12.3		30.0			
Carbon disulfide	++++ 2.7725	2.8408 2.5258	4.3482	2.7672	2.7961	Ave		3.0084				22.1		30.0			
3-Chloropropene	0.6771 0.6808	0.7017 0.6281	0.6990	0.6716	0.6971	Ave		0.6793				3.8		30.0			
Acetonitrile	++++ 0.4180	++++ 0.3824	0.4576	0.4484	0.4242	Ave		0.4261				6.9		30.0			
Methylene Chloride	++++ 0.6826	0.8779 0.6290	0.7498	0.7108	0.7044	Ave		0.7257				11.6		30.0			
tert-Butyl alcohol	++++ 1.1473	++++ 0.9631	1.1888	1.2422	1.0455	Ave		1.1174				10.1		30.0			
Methyl tert-butyl ether	2.6110 2.4442	2.5298 2.2329	2.4992	2.4505	2.4628	Ave		2.4615				4.7		30.0			
trans-1,2-Dichloroethene	1.2335 1.1287	1.2018 1.0140	1.2142	1.1514	1.1554	Ave		1.1570				6.4		30.0			
Acrylonitrile	++++ 0.5316	0.5178 0.5005	0.5402	0.5277	0.5358	Ave		0.5256				2.8		30.0			
n-Hexane	1.1488 1.2336	1.2208 1.1086	1.3137	1.2800	1.2634	Ave		1.2241				5.9		30.0			
Vinyl acetate	++++ 1.2919	++++ 1.1175	1.3676	1.2706	1.3393	Ave		1.2774				7.6		30.0			
1,1-Dichloroethane	1.6493 1.4518	1.6371 1.2832	1.6045	1.5155	1.5026	Ave		1.5206				8.4		30.0			
cis-1,2-Dichloroethene	1.1989 1.1164	1.2621 0.9917	1.1828	1.1386	1.1409	Ave		1.1473				7.3		30.0			
Ethyl acetate	++++ 0.0912	++++ 0.0811	0.0895	0.0901	0.0913	Ave		0.0886				4.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	++++ 0.4265	0.4662 0.3636	0.4521	0.4342	0.4279	Ave		0.4284				8.2		30.0			
Tetrahydrofuran	++++ 0.1041	0.0946	0.1120	0.1080	0.1064	Ave		0.1050				6.2		30.0			
Chloroform	2.1001 1.9641	2.1500 1.7906	2.0757	1.9917	1.9926	Ave		2.0093				5.9		30.0			
1,1,1-Trichloroethane	0.4203 0.3869	0.4172 0.3529	0.4056	0.3966	0.3945	Ave		0.3963				5.7		30.0			
Cyclohexane	0.2907 0.2728	0.2870 0.2412	0.2873	0.2823	0.2783	Ave		0.2771				6.1		30.0			
Carbon tetrachloride	0.4048 0.4130	0.4019 0.3901	0.4175	0.4127	0.4158	Ave		0.4080				2.4		30.0			
2,2,4-Trimethylpentane	0.8143 0.7007	0.8027 0.6099	0.7808	0.7476	0.7290	Ave		0.7407				9.5		30.0			
Benzene	0.6804 0.5700	0.6546 0.5178	0.6226	0.5940	0.5852	Ave		0.6035				9.0		30.0			
1,2-Dichloroethane	0.2150 0.1901	0.2123 0.1785	0.2023	0.1933	0.1937	Ave		0.1979				6.5		30.0			
n-Heptane	0.2330 0.1883	0.2298 0.1625	0.2136	0.2028	0.1960	Ave		0.2037				12.1		30.0			
n-Butanol	++++ 0.0604	++++ 0.0513	0.0587	0.0582	0.0549	Ave		0.0567				6.4		30.0			
Trichloroethene	0.2964 0.2732	0.2905 0.2512	0.2866	0.2784	0.2779	Ave		0.2792				5.3		30.0			
1,2-Dichloropropane	0.2088 0.1745	0.2024 0.1530	0.1933	0.1841	0.1814	Ave		0.1853				10.1		30.0			
Methyl methacrylate	++++ 0.1688	0.1486 0.1512	0.1651	0.1660	0.1691	Ave		0.1615				5.7		30.0			
1,4-Dioxane	++++ 0.0791	++++ 0.0700	0.0818	0.0857	0.0691	Ave		0.0771				9.5		30.0			
Dibromomethane	0.2605 0.2605	0.2517 0.2473	0.2554	0.2554	0.2618	Ave		0.2561				2.1		30.0			
Bromodichloromethane	0.3912 0.3955	0.3970 0.3621	0.4122	0.4018	0.4035	Ave		0.3947				4.0		30.0			
cis-1,3-Dichloropropene	0.2996 0.3024	0.3194 0.2829	0.3122	0.3001	0.3090	Ave		0.3037				3.8		30.0			
methyl isobutyl ketone	++++ 0.2074	0.2107 0.1846	0.2168	0.2131	0.2091	Ave		0.2070				5.5		30.0			
n-Octane	0.3123 0.2395	0.3065 0.1976	0.2873	0.2641	0.2547	Ave		0.2660				15.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toluene	0.5811 0.4878	0.5754 0.4509	0.5333	0.5147	0.4898	Ave		0.5190				9.2		30.0			
trans-1,3-Dichloropropene	0.2634 0.2868	0.2803 0.2694	0.2860	0.2788	0.2877	Ave		0.2789				3.4		30.0			
1,1,2-Trichloroethane	0.2469 0.2254	0.2504 0.2080	0.2393	0.2354	0.2235	Ave		0.2327				6.4		30.0			
Tetrachloroethene	0.4780 0.4674	0.4763 0.4204	0.4725	0.4823	0.4610	Ave		0.4654				4.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2165	0.2036 0.1957	0.2228	0.2302	0.2104	Ave		0.2132				5.9		30.0			
Dibromochloromethane	0.4420 0.5087	0.4544 0.4681	0.5031	0.5133	0.5005	Ave		0.4843				6.0		30.0			
1,2-Dibromoethane	0.4565 0.4502	0.4633 0.4116	0.4657	0.4624	0.4447	Ave		0.4506				4.2		30.0			
Chlorobenzene	0.7386 0.6787	0.7359 0.6069	0.7070	0.7028	0.6730	Ave		0.6918				6.5		30.0			
n-Nonane	0.3080 0.2850	0.3093 0.2068	0.3354	0.3313	0.2992	Ave		0.2964				14.6		30.0			
Ethylbenzene	1.0079 0.8842	1.0049 0.6826	0.9983	0.9871	0.9085	Ave		0.9248				12.7		30.0			
m,p-Xylene	0.4026 0.3987	0.4123 0.3219	0.4275	0.4321	0.4018	Ave		0.3996				9.2		30.0			
Xylene, o-	0.4238 0.4250	0.4231 0.3739	0.4380	0.4437	0.4214	Ave		0.4213				5.4		30.0			
Styrene	0.5191 0.6093	0.5335 0.5309	0.6071	0.6360	0.5980	Ave		0.5763				8.2		30.0			
Bromoform	0.3651 0.4794	0.3722 0.4092	0.4550	0.4729	0.4629	Ave		0.4309				11.2		30.0			
Cumene	1.0957 1.1271	1.0884 0.9080	1.1745	1.2021	1.1346	Ave		1.1043				8.7		30.0			
1,1,2,2-Tetrachloroethane	0.5576 0.5503	0.5577 0.4607	0.5813	0.5829	0.5444	Ave		0.5479				7.5		30.0			
n-Propylbenzene	1.0459 1.1985	1.1426 0.9024	1.2994	1.3236	1.2189	Ave		1.1616				12.7		30.0			
1,2,3-Trichloropropane	++++ 0.3600	0.4083 0.2796	0.4070	0.4006	0.3634	Ave		0.3698				13.3		30.0			
n-Decane	++++ 0.3684	0.2854 0.2744	0.3876	0.3971	0.3783	Ave		0.3485				15.5		30.0			
4-Ethyltoluene	0.8726 1.1029	0.9806 0.8767	1.1560	1.1890	1.1047	Ave		1.0404				12.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8544 0.8599	0.9022 0.6834	0.9465	0.9373	0.8718	Ave		0.8651				10.2		30.0			
1,3,5-Trimethylbenzene	0.7154 0.9069	0.7769 0.7082	0.9575	0.9785	0.9119	Ave		0.8508				13.5		30.0			
Alpha Methyl Styrene	0.3119 0.5240	0.3636 0.4903	0.4633	0.5351	0.5202	Ave		0.4583				19.0		30.0			
tert-Butylbenzene	0.8233 0.9458	0.8225 0.7830	0.9672	0.9930	0.9382	Ave		0.8961				9.4		30.0			
1,2,4-Trimethylbenzene	0.6034 0.9163	0.7666 0.7552	0.9419	0.9633	0.9101	Ave		0.8367				15.8		30.0			
sec-Butylbenzene	0.9724 1.3001	1.1252 1.0170	1.3835	1.4138	1.3143	Ave		1.2180				14.7		30.0			
4-Isopropyltoluene	0.7141 1.1372	0.9097 0.9014	1.1523	1.1856	1.1303	Ave		1.0187				17.5		30.0			
1,3-Dichlorobenzene	0.5722 0.7034	0.6252 0.6055	0.6680	0.6977	0.6739	Ave		0.6494				7.6		30.0			
1,4-Dichlorobenzene	0.5191 0.7024	0.6069 0.6067	0.6493	0.6847	0.6654	Ave		0.6335				9.8		30.0			
Benzyl chloride	0.4607 0.7738	0.5912 0.6886	0.6759	0.6302	0.7288	Ave		0.6499				15.8		30.0			
n-Undecane	+++++ 0.3279	+++++ 0.2919	0.3557	0.3506	0.2994	Ave		0.3251				8.9		30.0			
n-Butylbenzene	0.5844 0.9021	0.7176 0.7312	0.8766	0.9114	0.8846	Ave		0.8011				15.6		30.0			
1,2-Dichlorobenzene	0.5285 0.6905	0.5895 0.6059	0.6468	0.6754	0.6565	Ave		0.6276				9.0		30.0			
n-Dodecane	+++++ 0.2542	+++++ 0.1116	0.2378	0.2725	0.2280	Ave		0.2208				28.7		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3807	0.2789 0.2993	0.3401	0.3643	0.3166	Ave		0.3300				11.8		30.0			
Hexachlorobutadiene	0.2703 0.3534	0.2962 0.2303	0.3346	0.3409	0.3400	Ave		0.3094				14.7		30.0			
Naphthalene	+++++ 0.8315	0.6035 0.6532	0.7739	0.8182	0.7138	Ave		0.7324				12.5		30.0			
1,2,3-Trichlorobenzene	0.2575 0.3300	0.2671 0.2001	0.3038	0.3259	0.2757	Ave		0.2800				16.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-15119/3	cjq003.d
Level 2	IC 200-15119/4	cjq004.d
Level 3	IC 200-15119/5	cjq005.d
Level 4	ICIS 200-15119/6	cjq006.d
Level 5	IC 200-15119/7	cjq007.d
Level 6	IC 200-15119/8	cjq008.d
Level 7	IC 200-15119/9	cjq009.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 739095	17287 1439107	181712	355049	548896	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 4267394	98084 8119912	1026939	2053479	3201536	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 1831800	44738 3618747	438103	896933	1372072	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	38681 4731620	109436 8859885	1140267	2294654	3546670	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 1065001	26414 2116911	254997	506619	796580	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 1586409	34587 3047574	386148	766115	1194510	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	11705 1488206	32146 2900433	344428	697966	1108337	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	8726 1002988	21597 1935898	232149	467027	747173	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 1162343	++++ 2108807	274253	586891	752061	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	17290 1772258	41174 3606452	404414	820599	1294858	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 866926	20051 1748219	203316	408437	641716	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	12216 1271259	30166 2463005	306140	608647	947681	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 500002	++++ 904598	119758	209154	378197	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	16743 1926450	40461 3908183	424057	873309	1396054	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	36830 4353088	95294 8584533	994726	2013086	3198915	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Pentane	BCM	Ave	++++ 1930679	39911 3725216	454021	917871	1431046	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 934609	107754 2140214	176309	287673	404950	++++ 40.0	5.00 100	10.0	15.0	20.0
Ethyl ether	BCM	Ave	9743 1053560	24115 2066800	245272	493634	777919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	29845 3565259	75493 6893329	791690	1638077	2587876	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	14023 1805272	38454 3662641	397989	812791	1295665	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 1437752	++++ 2675707	385312	712177	1006854	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 5044078	111656 9797572	1750141	2334060	3683236	++++ 20.0	0.500 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	10691 1238596	27581 2436358	281335	566469	918285	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetonitrile	BCM	Ave	++++ 760499	++++ 1483201	184199	378214	558832	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 1241798	34506 2439688	301790	599537	927947	++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 2087274	++++ 3735751	478504	1047767	1377171	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	41227 4446818	99431 8661420	1005926	2066975	3244195	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	19477 2053492	47235 3933429	488708	971172	1521943	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 967159	20353 1941561	217431	445131	705760	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	18140 2244257	47982 4300072	528759	1079653	1664319	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 2350362	++++ 4334557	550454	1071735	1764189	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	26042 2641397	64345 4977628	645796	1278323	1979344	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,2-Dichloroethene	BCM	Ave	18931 2031105	49604 3846670	476067	960422	1502938	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 165989	++++ 314402	36031	75964	120279	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 776033	18325 1410269	181988	366242	563654	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 1030046	++++ 1963928	244623	490392	761285	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	BCM	Ave	33160 3573335	84504 6945617	835488	1680008	2624865	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	35832 3826940	88394 7323964	886262	1800674	2821866	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	24782 2698719	60820 5005108	627824	1281849	1990884	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	34513 4085463	85151 8095585	912130	1873764	2973639	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	69420 6931467	170087 12657088	1705988	3394248	5214029	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	58005 5638737	138691 10745396	1360307	2696634	4185326	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	18325 1880262	44974 3703924	442050	877640	1385236	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	19865 1863049	48682 3371673	466594	920572	1402150	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 597602	++++ 1064327	128238	264431	392632	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	25272 2702890	61562 5212594	626122	1263699	1987932	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	17802 1726021	42880 3174303	422408	835664	1297462	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 1670068	31488 3137540	360667	753697	1209160	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 782394	++++ 1452762	178655	388989	494309	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	22204 2576584	53332 5131778	558035	1159465	1872388	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	33351 3911981	84110 7514578	900656	1824035	2885701	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	25541 2991244	67684 5870821	682158	1362329	2210076	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 2051804	44654 3830650	473698	967641	1495656	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	26621 2368816	64949 4099910	627704	1199217	1821859	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	43599 4290066	106735 8277674	1021622	1996378	3193445	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	22452 2837285	59399 5590742	624899	1265720	2058008	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	18521 1982339	46451 3819204	458419	913236	1457259	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	35863 4110760	88356 7717704	905293	1870787	3005565	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1904284	37760 3593342	426857	892800	1372129	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	33157 4474100	84285 8592534	963820	1991073	3263296	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	34248 3959081	85944 7555283	892181	1793622	2899725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	55413 5969178	136510 11140816	1354424	2725981	4388151	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	23109 2506475	57380 3796974	642546	1285114	1950977	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	75613 7776844	186403 12530605	1912532	3828771	5923273	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	60411 7012687	152952 11820519	1637925	3352428	5239253	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	31795 3737906	78485 6863338	839042	1721207	2747441	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	38944 5358290	98959 9746099	1163075	2467169	3898889	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	27391 4216100	69047 7511311	871729	1834282	3018013	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	82199 9912526	201901 16668732	2250068	4662915	7397414	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	41836 4839938	103446 8456668	1113683	2261243	3549715	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	78467 10540357	211953 16566976	2489478	5134052	7947327	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 3165933	75740 5132548	779819	1554091	2369172	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	++++ 3239693	52940 5037186	742646	1540357	2466820	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	65462 9699893	181903 16094096	2214719	4612131	7202779	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	64096 7562802	167357 12546205	1813354	3635599	5684412	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	53669 7976224	144122 13001682	1834350	3795422	5945674	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Alpha Methyl Styrene	CBZ	Ave	23399 4608385	67444 9000904	887611	2075483	3391634	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	61763 8318542	152581 14373569	1852999	3851772	6117341	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4233-1 Analy Batch No.: 15119

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2011 13:14 Calibration End Date: 03/12/2011 18:03 Calibration ID: 5326

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	45267 8058423	142199 13863204	1804462	3736783	5933744	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	72952 11434503	208726 18670704	2650484	5484152	8569262	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	53576 10001733	168748 16548527	2207581	4598765	7369722	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	42926 6186262	115975 11115647	1279748	2706468	4394032	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	38944 6177405	112580 11138225	1243892	2656088	4338199	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	34560 6805258	109669 12641136	1294805	2444525	4751835	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 2884110	++++ 5358384	681361	1359862	1952161	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	43840 7933759	133114 13424155	1679433	3535263	5767571	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	39651 6073056	109348 11122217	1239196	2619978	4280377	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	++++ 2235460	++++ 2048194	455514	1056889	1486473	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 3348262	51730 5494753	651532	1412940	2064444	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	20276 3108081	54946 4226982	641006	1322285	2216974	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 7312962	111949 11990489	1482691	3173958	4654117	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	19317 2902356	49549 3673090	582063	1264238	1797701	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-15668/3	ic 109459	cjr003.d
Level 2	IC 200-15668/4	ic 109450	cjr004.d
Level 3	IC 200-15668/5	ic 109440	cjr005.d
Level 4	ICIS 200-15668/6	icis 119922	cjr006.d
Level 5	IC 200-15668/7	ic 109427	cjr007.d
Level 6	IC 200-15668/8	ic 109425	cjr008.d
Level 7	IC 200-15668/9	ic 109424	cjr009.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.4958	0.5302 0.4812	0.5329	0.5173	0.5126	Ave		0.5117				3.9		30.0			
Dichlorodifluoromethane	++++ 2.6113	2.8826 2.3650	2.8402	2.7831	2.6839	Ave		2.6944				7.0		30.0			
Freon 22	++++ 1.2553	1.3593 1.1695	1.3246	1.2920	1.2720	Ave		1.2788				5.1		30.0			
1,2-Dichlorotetrafluoroethane	2.8184 2.7820	2.9827 2.4813	2.9861	2.9387	2.8675	Ave		2.8367				6.2		30.0			
Chloromethane	++++ 0.6769	0.8107 0.6934	0.7097	0.7053	0.6753	Ave		0.7119				7.1		30.0			
n-Butane	++++ 1.0299	1.0131 0.9659	1.0803	1.0639	1.0377	Ave		1.0318				3.9		30.0			
Vinyl chloride	0.9504 0.8829	0.8702 0.8417	0.9023	0.8896	0.8843	Ave		0.8888				3.7		30.0			
1,3-Butadiene	0.6112 0.6045	0.5769 0.5758	0.5851	0.6271	0.6097	Ave		0.5986				3.3		30.0			
Bromomethane	1.0343 0.9771	1.0764 0.9461	1.0288	1.0305	1.0072	Ave		1.0143				4.2		30.0			
Chloroethane	++++ 0.5210	0.5666 0.5007	0.5701	0.5489	0.5393	Ave		0.5411				5.0		30.0			
Isopentane	0.8599 0.8508	0.9343 0.7946	0.9787	0.9451	0.9102	Ave		0.8962				7.1		30.0			
Bromoethene (Vinyl Bromide)	1.0827 1.0721	1.0261 1.0458	1.1251	1.0973	1.0946	Ave		1.0777				3.1		30.0			
Trichlorofluoromethane	2.7061 2.6482	2.7632 2.4806	2.7781	2.7406	2.6939	Ave		2.6873				3.8		30.0			
n-Pentane	++++ 1.4069	1.2239 1.2870	1.5365	1.5097	1.4667	Ave		1.4051				8.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.2905	0.3102 0.2896	0.2735	0.2888	0.2996	Ave		0.2920				4.2		30.0			
Ethyl ether	0.7539 0.6683	0.7146 0.6365	0.7507	0.7005	0.6903	Ave		0.7021				6.0		30.0			
Acrolein	++++ 0.3261	++++ 0.2936	0.3644	0.2984	0.3383	Ave		0.3241				9.0		30.0			
Freon TF	2.0631 2.0728	2.1111 1.9289	2.1495	2.1283	2.0915	Ave		2.0779				3.5		30.0			
1,1-Dichloroethene	0.8463 1.0445	1.0569 1.0209	1.0603	1.0627	1.0486	Ave		1.0200				7.6		30.0			
Acetone	++++ 1.0946	++++ 0.9947	1.2575	1.1881	1.0430	Ave		1.1156				9.6		30.0			
Isopropyl alcohol	++++ 0.7315	++++ 0.7292	0.8940	0.9304	0.7753	Ave		0.8121				11.6		30.0			
Carbon disulfide	++++ 3.1176	++++ 3.1448 2.8767	3.2819	3.2446	3.1686	Ave		3.1390				4.5		30.0			
3-Chloropropene	0.9296 0.9688	0.9056 0.9072	0.9965	0.9907	0.9661	Ave		0.9521				4.0		30.0			
Acetonitrile	++++ 0.5774	++++ 0.5586	0.6565	0.6259	0.5878	Ave		0.6012				6.6		30.0			
Methylene Chloride	++++ 0.9050	1.1021 0.8498	0.9961	0.9701	0.9258	Ave		0.9582				9.1		30.0			
tert-Butyl alcohol	++++ 1.1730	++++ 1.1946	1.4040	1.5794	1.3282	Ave		1.3358				12.4		30.0			
Methyl tert-butyl ether	2.8715 2.7860	3.0968 2.6907	3.0743	2.8308	2.8127	Ave		2.8804				5.2		30.0			
trans-1,2-Dichloroethene	1.4251 1.3885	1.5160 1.2806	1.4937	1.4627	1.4215	Ave		1.4269				5.5		30.0			
Acrylonitrile	++++ 0.6617	0.6875 0.6582	0.6989	0.6729	0.6731	Ave		0.6754				2.3		30.0			
n-Hexane	1.4860 1.5141	1.5340 1.3868	1.6204	1.6214	1.5715	Ave		1.5335				5.4		30.0			
1,1-Dichloroethane	1.9066 1.7688	1.9622 1.5943	1.9707	1.9115	1.8167	Ave		1.8473				7.2		30.0			
Vinyl acetate	++++ 1.7255	++++ 1.5720	1.9924	1.7410	1.7825	Ave		1.7627				8.6		30.0			
cis-1,2-Dichloroethene	1.2651 1.1912	1.2687 1.1009	1.2824	1.2408	1.2179	Ave		1.2239				5.1		30.0			
Ethyl acetate	++++ 0.0956	++++ 0.0927	0.1037	0.0951	0.0969	Ave		0.0968				4.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	++++ 0.4700	0.5747 0.4403	0.5350	0.4898	0.4768	Ave		0.4978				9.8		30.0			
Tetrahydrofuran	++++ 0.1391	0.1593 0.1335	0.1446	0.1422	Ave			0.1437				6.7		30.0			
Chloroform	2.3023 2.2560	2.4635 2.0934	2.4124	2.3588	2.2982	Ave		2.3121				5.2		30.0			
1,1,1-Trichloroethane	0.4330 0.4296	0.4496 0.3980	0.4438	0.4477	0.4328	Ave		0.4335				4.0		30.0			
Cyclohexane	0.2847 0.2926	0.3120 0.2675	0.3094	0.3109	0.3005	Ave		0.2968				5.5		30.0			
Carbon tetrachloride	0.4080 0.4421	0.4252 0.4232	0.4406	0.4514	0.4455	Ave		0.4337				3.5		30.0			
2,2,4-Trimethylpentane	0.8773 0.8582	0.9150 0.7580	0.9334	0.9313	0.8906	Ave		0.8805				6.9		30.0			
Benzene	0.7272 0.6342	0.6946 0.5868	0.6795	0.6698	0.6490	Ave		0.6630				6.8		30.0			
1,2-Dichloroethane	0.2496 0.2348	0.2470 0.2248	0.2484	0.2457	0.2382	Ave		0.2412				3.8		30.0			
n-Heptane	0.2842 0.2588	0.2803 0.2281	0.2876	0.2855	0.2700	Ave		0.2707				7.9		30.0			
n-Butanol	++++ 0.0554	++++ 0.0603	0.0664	0.0743	0.0697	Ave		0.0652				11.5		30.0			
Trichloroethene	0.2867 0.2905	0.3046 0.2732	0.2982	0.3042	0.2936	Ave		0.2930				3.8		30.0			
1,2-Dichloropropane	0.2203 0.2088	0.2233 0.1877	0.2268	0.2228	0.2154	Ave		0.2150				6.2		30.0			
Methyl methacrylate	++++ 0.1874	0.1508 0.1860	0.1898	0.1853	0.1871	Ave		0.1811				8.2		30.0			
1,4-Dioxane	++++ 0.0740	++++ 0.0769	0.0840	0.0872	0.0737	Ave		0.0792				7.8		30.0			
Dibromomethane	0.2172 0.2350	0.2160 0.2275	0.2313	0.2344	0.2344	Ave		0.2280				3.6		30.0			
Bromodichloromethane	0.3792 0.4485	0.4065 0.4168	0.4566	0.4647	0.4538	Ave		0.4323				7.4		30.0			
cis-1,3-Dichloropropene	0.3424 0.3455	0.3392 0.3293	0.3506	0.3498	0.3461	Ave		0.3433				2.1		30.0			
methyl isobutyl ketone	++++ 0.2659	0.2392 0.2654	0.2811	0.2824	0.2716	Ave		0.2676				5.9		30.0			
n-Octane	0.3831 0.3291	0.3842 0.2771	0.3830	0.3658	0.3454	Ave		0.3525				11.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toluene	0.6152 0.5086	0.6071 0.4805	0.5555	0.5676	0.5340	Ave		0.5526				8.9		30.0			
trans-1,3-Dichloropropene	0.3108 0.3268	0.3157 0.3174	0.3292	0.3241	0.3258	Ave		0.3214				2.1		30.0			
1,1,2-Trichloroethane	0.2645 0.2404	0.2730 0.2257	0.2592	0.2718	0.2520	Ave		0.2552				6.8		30.0			
Tetrachloroethene	0.4313 0.4172	0.4548 0.3849	0.4385	0.4649	0.4356	Ave		0.4325				6.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2743	0.2263 0.2727	0.2889	0.3265	0.2930	Ave		0.2803				11.7		30.0			
Dibromochloromethane	0.4076 0.5013	0.4344 0.4723	0.5060	0.5492	0.5215	Ave		0.4846				10.3		30.0			
1,2-Dibromoethane	0.4443 0.4551	0.4658 0.4234	0.4813	0.5101	0.4751	Ave		0.4650				6.0		30.0			
Chlorobenzene	0.7397 0.6730	0.7633 0.6130	0.7197	0.7459	0.7006	Ave		0.7079				7.3		30.0			
n-Nonane	0.3779 0.3427	0.3715 0.2613	0.4050	0.4131	0.3777	Ave		0.3642				14.0		30.0			
Ethylbenzene	1.0243 0.9350	1.0755 0.7546	1.0829	1.1044	1.0156	Ave		0.9989				12.2		30.0			
m,p-Xylene	0.3927 0.4053	0.4254 0.3472	0.4401	0.4528	0.4290	Ave		0.4132				8.6		30.0			
Xylene, o-	0.4070 0.4173	0.4411 0.3970	0.4444	0.4518	0.4320	Ave		0.4272				4.8		30.0			
Styrene	0.4347 0.5989	0.5161 0.5668	0.6239	0.6478	0.6203	Ave		0.5726				13.0		30.0			
Bromoform	0.3270 0.4367	0.3554 0.3990	0.4404	0.4685	0.4573	Ave		0.4120				13.0		30.0			
Cumene	1.0279 1.1199	1.1345 0.9156	1.2298	1.2514	1.1971	Ave		1.1252				10.6		30.0			
1,1,2,2-Tetrachloroethane	0.5619 0.5682	0.6121 0.5036	0.6205	0.6340	0.5987	Ave		0.5856				7.6		30.0			
n-Propylbenzene	1.0878 1.2167	1.1974 0.9135	1.3923	1.4073	1.3173	Ave		1.2189				14.5		30.0			
1,2,3-Trichloropropane	++++ 0.4009	0.4674 0.3340	0.4549	0.4583	0.4275	Ave		0.4238				11.9		30.0			
n-Decane	++++ 0.4340	0.2818 0.3506	0.4596	0.4578	0.4633	Ave		0.4079				18.4		30.0			
4-Ethyltoluene	0.8566 1.0815	1.0021 0.8867	1.2035	1.2326	1.1522	Ave		1.0593				14.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.9005 0.9030	0.9707 0.7470	1.0131	1.0099	0.9414	Ave		0.9265				9.9		30.0			
1,3,5-Trimethylbenzene	0.7176 0.9193	0.8152 0.7509	1.0115	1.0191	0.9707	Ave		0.8863				14.1		30.0			
Alpha Methyl Styrene	0.2668 0.4747	0.3166 0.5047	0.4945	0.5261	0.5213	Ave		0.4435				23.9		30.0			
tert-Butylbenzene	0.7959 0.9145	0.8607 0.8023	0.9921	1.0067	0.9605	Ave		0.9047				9.6		30.0			
1,2,4-Trimethylbenzene	0.6486 0.8992	0.7460 0.7865	0.9842	1.0088	0.9523	Ave		0.8608				15.8		30.0			
sec-Butylbenzene	1.0044 1.2668	1.1416 1.0190	1.4280	1.4598	1.3568	Ave		1.2395				15.2		30.0			
4-Isopropyltoluene	0.7498 1.0807	0.8123 0.9122	1.1733	1.1992	1.1468	Ave		1.0106				18.2		30.0			
1,3-Dichlorobenzene	0.5903 0.6354	0.5909 0.5947	0.6418	0.6810	0.6572	Ave		0.6273				5.7		30.0			
1,4-Dichlorobenzene	0.5771 0.6310	0.5602 0.5922	0.6299	0.6676	0.6518	Ave		0.6157				6.5		30.0			
Benzyl chloride	0.4930 0.7617	0.5784 0.7371	0.7513	0.6807	0.8002	Ave		0.6861				16.2		30.0			
n-Undecane	+++++ 0.3425	+++++ 0.3573	0.3490	0.4276	0.3541	Ave		0.3661				9.5		30.0			
n-Butylbenzene	0.6260 0.8927	0.6515 0.7849	0.9134	0.9583	0.9347	Ave		0.8231				16.7		30.0			
1,2-Dichlorobenzene	0.5023 0.6161	0.5385 0.5914	0.6236	0.6580	0.6378	Ave		0.5954				9.4		30.0			
n-Dodecane	+++++ 0.2395	+++++ 0.0968	0.2243	0.3304	0.2757	Ave		0.2333				37.1	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.2883	0.3026 0.2263	0.2643	0.3480	0.3199	Ave		0.2916				14.7		30.0			
Hexachlorobutadiene	0.2558 0.2959	0.2619 0.1735	0.2888	0.3018	0.2998	Ave		0.2682				17.0		30.0			
Naphthalene	+++++ 0.6596	0.7389 0.5367	0.6087	0.8233	0.7853	Ave		0.6921				15.9		30.0			
1,2,3-Trichlorobenzene	0.2825 0.2456	0.3025 0.1390	0.2330	0.3156	0.2870	Ave		0.2579				23.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-15668/3	cjr003.d
Level 2	IC 200-15668/4	cjr004.d
Level 3	IC 200-15668/5	cjr005.d
Level 4	ICIS 200-15668/6	cjr006.d
Level 5	IC 200-15668/7	cjr007.d
Level 6	IC 200-15668/8	cjr008.d
Level 7	IC 200-15668/9	cjr009.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 1029613	25596 2047190	262690	513803	785537	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 5423090	139169 10061763	1400078	2764384	4112937	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 2607012	65623 4975739	652967	1283283	1949197	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	52086 5777603	143998 10556693	1472019	2918851	4394340	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 1405728	39139 2949862	349831	700582	1034799	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 2138903	48912 4109370	532555	1056708	1590195	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	17565 1833656	42012 3580988	444809	883560	1355196	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	11295 1255517	27850 2449745	288435	622839	934381	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	19115 2029189	51965 4024999	507165	1023522	1543509	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 1082040	27354 2130083	281017	545197	826470	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	15892 1766906	45108 3380584	482439	938731	1394863	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	20009 2226483	49537 4449178	554604	1089934	1677426	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	50012 5499866	133405 10553717	1369467	2722089	4128282	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Pentane	BCM	Ave	++++ 2921876	59089 5475583	757410	1499548	2247571	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 1206559	149747 3080424	269637	430350	612195	++++ 40.0	5.00 100	10.0	15.0	20.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl ether	BCM	Ave	13932 1387866	34501 2708091	370083	695796	1057914	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 677245	++++ 1248906	179609	296387	518484	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	38128 4304749	101920 8206361	1059590	2113914	3205161	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	15641 2169212	51025 4343316	522674	1055508	1606891	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 2273238	++++ 4231931	619867	1180076	1598316	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 1519099	++++ 3102387	440700	924100	1188083	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 6474626	151826 12238589	1617834	3222703	4855662	++++ 20.0	0.500 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	17179 2012094	43720 3859649	491247	983987	1480425	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetonitrile	BCM	Ave	++++ 1199199	++++ 2376476	323601	621717	900774	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 1879552	53209 3615559	491024	963550	1418687	++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 2436155	++++ 5082513	692089	1568745	2035360	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	53069 5786012	149509 11447374	1515507	2811709	4310329	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	26337 2883548	73191 5448197	736342	1452818	2178345	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 1374214	33189 2800139	344536	668378	1031427	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	27462 3144567	74059 5899820	798797	1610511	2408267	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	35235 3673423	94731 6783028	971441	1898624	2784061	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 3583572	++++ 6687768	982163	1729274	2731590	++++ 20.0	++++ 40.0	5.00	10.0	15.0
cis-1,2-Dichloroethene	BCM	Ave	23380 2473854	61250 4683587	632144	1232485	1866440	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 198483	++++ 394560	51104	94504	148505	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 976162	27745 1873098	263707	486497	730712	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 1610163	++++ 3135148	443562	799737	1215905	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	BCM	Ave	42548 4685261	118933 8906177	1189216	2342914	3521925	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	46007 4970580	120910 9348072	1235912	2475543	3701301	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	30249 3385986	83901 6283709	861588	1719253	2570296	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	43346 5115963	114349 9940180	1227065	2495820	3809893	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	93218 9930279	246049 17803004	2599341	5149777	7616564	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	77265 7338199	186785 13782252	1892272	3703810	5550261	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	26520 2716958	66430 5279917	691784	1358379	2037524	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	30197 2994450	75385 5357176	800947	1578791	2309337	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 641322	++++ 1415287	184868	410807	596474	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	30457 3361208	81925 6417221	830523	1682300	2511132	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	23405 2416466	60039 4409313	631493	1232154	1842321	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 2168352	40565 4368023	528477	1024396	1599884	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 856095	++++ 1806843	234017	482404	629950	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	23080 2719214	58084 5342493	644079	1296368	2004412	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	40292 5190338	109322 9790019	1271717	2569459	3881382	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	36377 3997887	91218 7733179	976266	1934465	2959710	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 3076377	64329 6232538	782939	1561603	2322790	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	40702 3808153	103321 6507867	1066618	2022629	2954043	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	56828 5341594	138814 10310725	1352754	2582031	3980781	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	33023 3781276	84901 7454789	916691	1792185	2786005	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	24432 2524499	62419 4843450	631071	1236354	1878523	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	39844 4381005	103990 8259349	1067672	2114968	3247194	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 2880807	51750 5850694	703392	1485324	2184337	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	37651 5264458	99328 10134866	1232002	2498649	3887584	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	41040 4779617	106503 9085505	1172041	2320644	3541726	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	68334 7067373	174542 13153784	1752423	3393463	5222795	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	34910 3598619	84948 5606623	986225	1879505	2815869	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	94622 9819366	245913 16191420	2636795	5024393	7570541	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	72549 8512560	194534 14897636	2143048	4120041	6395318	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	37594 4382516	100851 8517794	1082113	2055570	3220535	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	40154 6289628	118012 12161476	1519227	2947142	4623730	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	30212 4586660	81256 8560752	1072389	2131443	3408689	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	94960 11761269	259409 19646381	2994457	5693162	8923683	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	51912 5967436	139966 10805177	1510967	2884168	4463019	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	100488 12777423	273796 19600580	3390329	6402558	9819667	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 4210526	106873 7165543	1107781	2084922	3187047	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	++++ 4557996	64440 7523071	1119012	2082884	3453318	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	79132 11357993	229131 19026187	2930498	5607622	8588663	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	83190 9482751	221952 16027221	2466908	4594230	7017206	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	66296 9654841	186395 16110821	2462992	4636107	7235976	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Alpha Methyl Styrene	CBZ	Ave	24643 4985131	72399 10828668	1204038	2393547	3886077	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	73529 9604140	196804 17213740	2415756	4579879	7159897	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4478-1 Analy Batch No.: 15668

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2011 17:52 Calibration End Date: 03/22/2011 22:39 Calibration ID: 5511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	59916 9443625	170566 16875360	2396519	4589229	7099093	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	92785 13303529	261035 21863948	3477136	6641083	10114277	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	69267 11349803	185736 19572387	2857072	5455573	8548952	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	54535 6672955	135117 12759755	1562783	3097982	4899009	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	53312 6626413	128093 12707678	1533829	3037181	4858730	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	45546 7999574	132265 15816643	1829333	3096980	5964686	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 3596839	++++ 7667177	849843	1945400	2639631	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	57828 9375366	148976 16841103	2224149	4359452	6967501	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	46401 6470431	123126 12689509	1518567	2993545	4754638	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	++++ 2514888	++++ 2077273	546272	1503084	2054834	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 3027845	69192 4855629	643590	1583357	2384865	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	23627 3107827	59896 3722679	703276	1373019	2234951	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 6927142	168958 11516494	1482150	3745495	5854147	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	26099 2578778	69158 2982018	567328	1435848	2139746	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Lab Sample ID: ICV 200-15119/11 Calibration Date: 03/12/2011 19:39

Instrument ID: C.i Calib Start Date: 03/12/2011 13:14

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03

Lab File ID: cjq011.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 120368

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4177	0.3779		9.05	10.0	-9.5	30.0
Dichlorodifluoromethane	Ave	2.392	2.393		10.0	10.0	0.0	30.0
Freon 22	Ave	1.045	0.997		9.54	10.0	-4.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.624	2.662		10.1	10.0	1.5	30.0
Chloromethane	Ave	0.6070	0.5788		9.53	10.0	-4.6	30.0
n-Butane	Ave	0.8853	0.8487		9.58	10.0	-4.1	30.0
Vinyl chloride	Ave	0.8071	0.7924		9.82	10.0	-1.8	30.0
1,3-Butadiene	Ave	0.5500	0.5562		10.1	10.0	1.1	30.0
Bromomethane	Ave	1.001	0.9680		9.67	10.0	-3.3	30.0
Chloroethane	Ave	0.4856	0.4696		9.67	10.0	-3.3	30.0
Isopentane	Ave	0.7252	0.6946		9.58	10.0	-4.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.044	1.069		10.2	10.0	2.4	30.0
Trichlorofluoromethane	Ave	2.378	2.397		10.1	10.0	0.8	30.0
n-Pentane	Ave	1.057	1.026		9.71	10.0	-2.9	30.0
Ethanol	Ave	0.2381	0.2117		13.4	15.0	-11.1	30.0
Ethyl ether	Ave	0.5897	0.5551		9.41	10.0	-5.9	30.0
Acrolein	Ave	0.2681	0.2215		8.26	10.0	-17.4	30.0
Freon TF	Ave	1.917	2.148		11.2	10.0	12.0	30.0
1,1-Dichloroethene	Ave	0.9627	1.088		11.3	10.0	13.0	30.0
Acetone	Ave	0.8092	0.8007		9.89	10.0	-1.0	30.0
Isopropyl alcohol	Ave	0.6261	0.5867		9.37	10.0	-6.3	30.0
Carbon disulfide	Ave	3.008	2.796		9.29	10.0	-7.1	30.0
3-Chloropropene	Ave	0.6793	0.6529		9.61	10.0	-3.9	30.0
Acetonitrile	Ave	0.4261	0.4165		9.77	10.0	-2.3	30.0
Methylene Chloride	Ave	0.7257	0.7231		9.96	10.0	-0.4	30.0
tert-Butyl alcohol	Ave	1.117	1.109		9.93	10.0	-0.7	30.0
Methyl tert-butyl ether	Ave	2.461	2.507		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.157	1.131		9.77	10.0	-2.3	30.0
Acrylonitrile	Ave	0.4505	0.5262		10.0	10.0	16.8	30.0
n-Hexane	Ave	1.224	1.256		10.3	10.0	2.6	30.0
1,1-Dichloroethane	Ave	1.521	1.496		9.84	10.0	-1.6	30.0
Vinyl acetate	Ave	1.277	1.289		10.1	10.0	0.9	30.0
cis-1,2-Dichloroethene	Ave	1.147	1.170		10.2	10.0	2.0	30.0
Ethyl acetate	Ave	0.0886	0.0939		10.6	10.0	6.0	30.0
Methyl Ethyl Ketone	Ave	0.4284	0.4382		10.2	10.0	2.3	30.0
Tetrahydrofuran	Ave	0.1050	0.1039		9.89	10.0	-1.1	30.0
Chloroform	Ave	2.009	1.988		9.89	10.0	-1.1	30.0
1,1,1-Trichloroethane	Ave	0.3963	0.3911		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.2771	0.2834		10.2	10.0	2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Lab Sample ID: ICV 200-15119/11 Calibration Date: 03/12/2011 19:39

Instrument ID: C.i Calib Start Date: 03/12/2011 13:14

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03

Lab File ID: cjq011.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 120368

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4080	0.4082		10.0	10.0	0.0	30.0
2,2,4-Trimethylpentane	Ave	0.7407	0.7305		9.86	10.0	-1.4	30.0
Benzene	Ave	0.6035	0.5912		9.79	10.0	-2.0	30.0
1,2-Dichloroethane	Ave	0.1979	0.1889		9.54	10.0	-4.5	30.0
n-Heptane	Ave	0.2037	0.1961		9.62	10.0	-3.8	30.0
n-Butanol	Ave	0.0567	0.0471		8.30	10.0	-17.0	30.0
Trichloroethene	Ave	0.2792	0.2734		9.79	10.0	-2.1	30.0
1,2-Dichloropropane	Ave	0.1853	0.1756		9.47	10.0	-5.3	30.0
Methyl methacrylate	Ave	0.1615	0.1655		10.2	10.0	2.5	30.0
1,4-Dioxane	Ave	0.0771	0.0665		8.63	10.0	-13.7	30.0
Dibromomethane	Ave	0.2561	0.2562		10.0	10.0	0.0	30.0
Bromodichloromethane	Ave	0.3947	0.4034		10.2	10.0	2.2	30.0
cis-1,3-Dichloropropene	Ave	0.3037	0.2900		9.55	10.0	-4.5	30.0
methyl isobutyl ketone	Ave	0.2070	0.2091		10.1	10.0	1.0	30.0
n-Octane	Ave	0.2660	0.2543		9.56	10.0	-4.4	30.0
Toluene	Ave	0.5190	0.4960		9.55	10.0	-4.4	30.0
trans-1,3-Dichloropropene	Ave	0.2789	0.2704		9.69	10.0	-3.0	30.0
1,1,2-Trichloroethane	Ave	0.2327	0.2167		9.31	10.0	-6.9	30.0
Tetrachloroethene	Ave	0.4654	0.4596		9.87	10.0	-1.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2132	0.2128		9.98	10.0	-0.2	30.0
Dibromochloromethane	Ave	0.4843	0.5124		10.6	10.0	5.8	30.0
1,2-Dibromoethane	Ave	0.4506	0.4362		9.68	10.0	-3.2	30.0
Chlorobenzene	Ave	0.6918	0.6708		9.69	10.0	-3.0	30.0
n-Nonane	Ave	0.2964	0.3129		10.6	10.0	5.6	30.0
Ethylbenzene	Ave	0.9248	0.9472		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.3996	0.4121		20.6	20.0	3.1	30.0
Xylene, o-	Ave	0.4213	0.4215		10.0	10.0	0.0	30.0
Styrene	Ave	0.5763	0.6064		10.5	10.0	5.2	30.0
Bromoform	Ave	0.4309	0.4775		11.1	10.0	10.8	30.0
Cumene	Ave	1.104	1.172		10.6	10.0	6.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5479	0.5456		9.96	10.0	-0.4	30.0
n-Propylbenzene	Ave	1.162	1.278		11.0	10.0	10.0	30.0
1,2,3-Trichloropropane	Ave	0.3698	0.3830		10.4	10.0	3.6	30.0
n-Decane	Ave	0.3485	0.3815		10.9	10.0	9.5	30.0
4-Ethyltoluene	Ave	1.040	1.172		11.3	10.0	12.6	30.0
2-Chlorotoluene	Ave	0.8651	0.9188		10.6	10.0	6.2	30.0
1,3,5-Trimethylbenzene	Ave	0.8508	0.9365		11.0	10.0	10.1	30.0
Alpha Methyl Styrene	Ave	0.4583	0.5219		11.4	10.0	13.9	30.0
tert-Butylbenzene	Ave	0.8961	0.9746		10.9	10.0	8.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Lab Sample ID: ICV 200-15119/11 Calibration Date: 03/12/2011 19:39
 Instrument ID: C.i Calib Start Date: 03/12/2011 13:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03
 Lab File ID: cjq011.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 120368

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8367	0.9039		10.8	10.0	8.0	30.0
sec-Butylbenzene	Ave	1.218	1.368		11.2	10.0	12.4	30.0
4-Isopropyltoluene	Ave	1.019	1.166		11.4	10.0	14.4	30.0
1,3-Dichlorobenzene	Ave	0.6494	0.6607		10.2	10.0	1.7	30.0
1,4-Dichlorobenzene	Ave	0.6335	0.6498		10.3	10.0	2.6	30.0
Benzyl chloride	Ave	0.6499	0.6064		9.33	10.0	-6.7	30.0
n-Undecane	Ave	0.3251	0.3290		10.1	10.0	1.2	30.0
n-Butylbenzene	Ave	0.8011	0.8897		11.1	10.0	11.1	30.0
1,2-Dichlorobenzene	Ave	0.6276	0.6298		10.0	10.0	0.4	30.0
n-Dodecane	Ave	0.2208	0.2442		11.1	10.0	10.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3300	0.3372		10.2	10.0	2.2	30.0
Hexachlorobutadiene	Ave	0.3094	0.3208		10.4	10.0	3.7	30.0
Naphthalene	Ave	0.7324	0.8068		11.0	10.0	10.2	30.0
1,2,3-Trichlorobenzene	Ave	0.2800	0.3133		11.2	10.0	11.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Lab Sample ID: CCVIS 200-15121/2 Calibration Date: 03/14/2011 18:37

Instrument ID: C.i Calib Start Date: 03/12/2011 13:14

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03

Lab File ID: cjqa002.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	0.4177	0.4522		10.8	10.0	8.3	30.0
Dichlorodifluoromethane	Ave	2.392	2.512		10.5	10.0	5.0	30.0
Freon 22	Ave	1.045	1.111		10.6	10.0	6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.624	2.812		10.7	10.0	7.2	30.0
Chloromethane	Ave	0.6070	0.6405		10.5	10.0	5.5	30.0
n-Butane	Ave	0.8853	0.9831		11.1	10.0	11.0	30.0
Vinyl chloride	Ave	0.8071	0.8860		11.0	10.0	9.8	30.0
1,3-Butadiene	Ave	0.5500	0.6028		11.0	10.0	9.6	30.0
Bromomethane	Ave	1.001	0.995		9.94	10.0	-0.6	30.0
Chloroethane	Ave	0.4856	0.5027		10.3	10.0	3.5	30.0
Isopentane	Ave	0.7252	0.7683		10.6	10.0	5.9	30.0
Bromoethene (Vinyl Bromide)	Ave	1.044	1.047		10.0	10.0	0.3	30.0
Trichlorofluoromethane	Ave	2.378	2.417		10.2	10.0	1.6	30.0
n-Pentane	Ave	1.057	1.146		10.8	10.0	8.4	30.0
Ethanol	Ave	0.2381	0.2340		14.7	15.0	-1.7	30.0
Ethyl ether	Ave	0.5897	0.6339		10.7	10.0	7.5	30.0
Acrolein	Ave	0.2681	0.2610		9.73	10.0	-2.7	30.0
Freon TF	Ave	1.917	1.957		10.2	10.0	2.0	30.0
1,1-Dichloroethene	Ave	0.9627	0.9814		10.2	10.0	1.9	30.0
Acetone	Ave	0.8092	0.9252		11.4	10.0	14.3	30.0
Isopropyl alcohol	Ave	0.6261	0.7144		11.4	10.0	14.1	30.0
Carbon disulfide	Ave	3.008	2.848		9.47	10.0	-5.3	30.0
3-Chloropropene	Ave	0.6793	0.7106		10.5	10.0	4.6	30.0
Acetonitrile	Ave	0.4261	0.4775		11.2	10.0	12.0	30.0
Methylene Chloride	Ave	0.7257	0.7274		10.0	10.0	0.2	30.0
tert-Butyl alcohol	Ave	1.117	1.235		11.1	10.0	10.6	30.0
Methyl tert-butyl ether	Ave	2.461	2.635		10.7	10.0	7.0	30.0
trans-1,2-Dichloroethene	Ave	1.157	1.201		10.4	10.0	3.8	30.0
Acrylonitrile	Ave	0.4505	0.5599		10.6	10.0	24.3	30.0
n-Hexane	Ave	1.224	1.306		10.7	10.0	6.7	30.0
Vinyl acetate	Ave	1.277	1.365		10.7	10.0	6.9	30.0
1,1-Dichloroethane	Ave	1.521	1.549		10.2	10.0	1.8	30.0
Ethyl acetate	Ave	0.0886	0.0968		10.9	10.0	9.2	30.0
cis-1,2-Dichloroethene	Ave	1.147	1.145		9.98	10.0	-0.2	30.0
Methyl Ethyl Ketone	Ave	0.4284	0.4612		10.8	10.0	7.7	30.0
Tetrahydrofuran	Ave	0.1050	0.1138		10.8	10.0	8.3	30.0
Chloroform	Ave	2.009	2.021		10.1	10.0	0.6	30.0
1,1,1-Trichloroethane	Ave	0.3963	0.3932		9.92	10.0	-0.8	30.0
Cyclohexane	Ave	0.2771	0.2825		10.2	10.0	1.9	30.0
Carbon tetrachloride	Ave	0.4080	0.4097		10.0	10.0	0.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Lab Sample ID: CCVIS 200-15121/2 Calibration Date: 03/14/2011 18:37

Instrument ID: C.i Calib Start Date: 03/12/2011 13:14

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03

Lab File ID: cjqa002.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	0.7407	0.7501		10.1	10.0	1.3	30.0
Benzene	Ave	0.6035	0.5950		9.86	10.0	-1.4	30.0
1,2-Dichloroethane	Ave	0.1979	0.1948		9.84	10.0	-1.6	30.0
n-Heptane	Ave	0.2037	0.2041		10.0	10.0	0.2	30.0
n-Butanol	Ave	0.0567	0.0543		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.2792	0.2782		9.96	10.0	-0.3	30.0
1,2-Dichloropropane	Ave	0.1853	0.1853		9.99	10.0	-0.0	30.0
Methyl methacrylate	Ave	0.1615	0.1733		10.7	10.0	7.3	30.0
1,4-Dioxane	Ave	0.0771	0.0831		10.8	10.0	7.8	30.0
Dibromomethane	Ave	0.2561	0.2505		9.78	10.0	-2.2	30.0
Bromodichloromethane	Ave	0.3947	0.4043		10.2	10.0	2.4	30.0
cis-1,3-Dichloropropene	Ave	0.3037	0.3046		10.0	10.0	0.3	30.0
methyl isobutyl ketone	Ave	0.2070	0.2195		10.6	10.0	6.1	30.0
n-Octane	Ave	0.2660	0.2687		10.1	10.0	1.0	30.0
Toluene	Ave	0.5190	0.5064		9.76	10.0	-2.4	30.0
trans-1,3-Dichloropropene	Ave	0.2789	0.2846		10.2	10.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.2327	0.2295		9.86	10.0	-1.4	30.0
Tetrachloroethene	Ave	0.4654	0.4588		9.86	10.0	-1.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2132	0.2189		10.3	10.0	2.7	30.0
Dibromochloromethane	Ave	0.4843	0.4974		10.3	10.0	2.7	30.0
1,2-Dibromoethane	Ave	0.4506	0.4518		10.0	10.0	0.2	30.0
Chlorobenzene	Ave	0.6918	0.6849		9.90	10.0	-1.0	30.0
n-Nonane	Ave	0.2964	0.3279		11.1	10.0	10.6	30.0
Ethylbenzene	Ave	0.9248	0.9720		10.5	10.0	5.1	30.0
m,p-Xylene	Ave	0.3996	0.4273		21.4	20.0	7.0	30.0
Xylene, o-	Ave	0.4213	0.4437		10.5	10.0	5.3	30.0
Styrene	Ave	0.5763	0.6193		10.7	10.0	7.5	30.0
Bromoform	Ave	0.4309	0.4575		10.6	10.0	6.2	30.0
Cumene	Ave	1.104	1.193		10.8	10.0	8.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5479	0.5782		10.6	10.0	5.5	30.0
n-Propylbenzene	Ave	1.162	1.306		11.2	10.0	12.5	30.0
1,2,3-Trichloropropane	Ave	0.3698	0.3917		10.6	10.0	5.9	30.0
n-Decane	Ave	0.3485	0.4078		11.7	10.0	17.0	30.0
4-Ethyltoluene	Ave	1.040	1.173		11.3	10.0	12.8	30.0
2-Chlorotoluene	Ave	0.8651	0.9218		10.7	10.0	6.6	30.0
1,3,5-Trimethylbenzene	Ave	0.8508	0.9756		11.5	10.0	14.7	30.0
Alpha Methyl Styrene	Ave	0.4583	0.5276		11.5	10.0	15.1	30.0
tert-Butylbenzene	Ave	0.8961	0.996		11.1	10.0	11.2	30.0
1,2,4-Trimethylbenzene	Ave	0.8367	0.9617		11.5	10.0	14.9	30.0
sec-Butylbenzene	Ave	1.218	1.411		11.6	10.0	15.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4233-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-15121/2 Calibration Date: 03/14/2011 18:37
 Instrument ID: C.i Calib Start Date: 03/12/2011 13:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/12/2011 18:03
 Lab File ID: cjqa002.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
4-Isopropyltoluene	Ave	1.019	1.195		11.7	10.0	17.3	30.0
1,3-Dichlorobenzene	Ave	0.6494	0.6817		10.5	10.0	5.0	30.0
1,4-Dichlorobenzene	Ave	0.6335	0.6703		10.6	10.0	5.8	30.0
Benzyl chloride	Ave	0.6499	0.6178		9.50	10.0	-4.9	30.0
n-Undecane	Ave	0.3251	0.3139		9.65	10.0	-3.4	30.0
n-Butylbenzene	Ave	0.8011	0.9180		11.5	10.0	14.6	30.0
1,2-Dichlorobenzene	Ave	0.6276	0.6677		10.6	10.0	6.4	30.0
n-Dodecane	Ave	0.2208	0.2250		10.2	10.0	1.9	30.0
1,2,4-Trichlorobenzene	Ave	0.3300	0.3072		9.31	10.0	-6.9	30.0
Hexachlorobutadiene	Ave	0.3094	0.3342		10.8	10.0	8.0	30.0
Naphthalene	Ave	0.7324	0.6938		9.47	10.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2800	0.2780		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1

SDG No.: _____

Lab Sample ID: ICV 200-15668/12 Calibration Date: 03/23/2011 01:03

Instrument ID: C.i Calib Start Date: 03/22/2011 17:52

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39

Lab File ID: cjr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 120404

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5117	0.4996		9.76	10.0	-2.3	30.0
Dichlorodifluoromethane	Ave	2.694	2.717		10.1	10.0	0.8	30.0
Freon 22	Ave	1.279	1.287		10.1	10.0	0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.837	2.925		10.3	10.0	3.1	30.0
Chloromethane	Ave	0.7119	0.6782		9.52	10.0	-4.7	30.0
n-Butane	Ave	1.032	1.013		9.81	10.0	-1.8	30.0
Vinyl chloride	Ave	0.8888	0.8606		9.68	10.0	-3.2	30.0
1,3-Butadiene	Ave	0.5986	0.6122		10.2	10.0	2.3	30.0
Bromomethane	Ave	1.014	0.9544		9.41	10.0	-5.9	30.0
Chloroethane	Ave	0.5411	0.5130		9.48	10.0	-5.2	30.0
Isopentane	Ave	0.8962	0.8508		9.49	10.0	-5.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.078	1.067		9.90	10.0	-1.0	30.0
Trichlorofluoromethane	Ave	2.687	2.625		9.77	10.0	-2.3	30.0
n-Pentane	Ave	1.405	1.287		9.16	10.0	-8.4	30.0
Ethanol	Ave	0.2920	0.2477		12.8	15.0	-15.2	30.0
Ethyl ether	Ave	0.7021	0.6168		8.78	10.0	-12.2	30.0
Acrolein	Ave	0.3241	0.2532		7.81	10.0	-21.9	30.0
Freon TF	Ave	2.078	2.217		10.7	10.0	6.7	30.0
1,1-Dichloroethene	Ave	1.020	1.113		10.9	10.0	9.2	30.0
Acetone	Ave	1.116	1.059		9.49	10.0	-5.1	30.0
Isopropyl alcohol	Ave	0.8121	0.7088		8.73	10.0	-12.7	30.0
Carbon disulfide	Ave	3.139	3.095		9.86	10.0	-1.4	30.0
3-Chloropropene	Ave	0.9521	0.9026		9.48	10.0	-5.2	30.0
Acetonitrile	Ave	0.6012	0.5689		9.46	10.0	-5.4	30.0
Methylene Chloride	Ave	0.9582	0.9564		9.98	10.0	-0.2	30.0
tert-Butyl alcohol	Ave	1.336	1.229		9.20	10.0	-8.0	30.0
Methyl tert-butyl ether	Ave	2.880	2.725		9.46	10.0	-5.4	30.0
trans-1,2-Dichloroethene	Ave	1.427	1.386		9.71	10.0	-2.9	30.0
Acrylonitrile	Ave	0.5789	0.6459		9.56	10.0	11.6	30.0
n-Hexane	Ave	1.533	1.516		9.88	10.0	-1.2	30.0
1,1-Dichloroethane	Ave	1.847	1.803		9.76	10.0	-2.4	30.0
Vinyl acetate	Ave	1.763	1.746		9.90	10.0	-1.0	30.0
Ethyl acetate	Ave	0.0968	0.0941		9.72	10.0	-2.8	30.0
cis-1,2-Dichloroethene	Ave	1.224	1.240		10.1	10.0	1.3	30.0
Methyl Ethyl Ketone	Ave	0.4978	0.4791		9.62	10.0	-3.7	30.0
Tetrahydrofuran	Ave	0.1437	0.1393		9.69	10.0	-3.1	30.0
Chloroform	Ave	2.312	2.299		9.94	10.0	-0.6	30.0
1,1,1-Trichloroethane	Ave	0.4335	0.4350		10.0	10.0	0.3	30.0
Cyclohexane	Ave	0.2968	0.3041		10.2	10.0	2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1

SDG No.: _____

Lab Sample ID: ICV 200-15668/12 Calibration Date: 03/23/2011 01:03

Instrument ID: C.i Calib Start Date: 03/22/2011 17:52

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39

Lab File ID: cjr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 120404

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4337	0.4358		10.0	10.0	0.5	30.0
2,2,4-Trimethylpentane	Ave	0.8805	0.8928		10.1	10.0	1.4	30.0
Benzene	Ave	0.6630	0.6431		9.70	10.0	-3.0	30.0
1,2-Dichloroethane	Ave	0.2412	0.2350		9.74	10.0	-2.6	30.0
n-Heptane	Ave	0.2707	0.2702		9.98	10.0	-0.2	30.0
n-Butanol	Ave	0.0652	0.0501		7.67	10.0	-23.3	30.0
Trichloroethene	Ave	0.2930	0.2905		9.91	10.0	-0.9	30.0
1,2-Dichloropropane	Ave	0.2150	0.2120		9.86	10.0	-1.4	30.0
Methyl methacrylate	Ave	0.1811	0.1779		9.83	10.0	-1.7	30.0
1,4-Dioxane	Ave	0.0792	0.0663		8.37	10.0	-16.3	30.0
Dibromomethane	Ave	0.2280	0.2297		10.1	10.0	0.7	30.0
Bromodichloromethane	Ave	0.4323	0.4611		10.7	10.0	6.6	30.0
cis-1,3-Dichloropropene	Ave	0.3433	0.3360		9.79	10.0	-2.1	30.0
methyl isobutyl ketone	Ave	0.2676	0.2655		9.92	10.0	-0.8	30.0
n-Octane	Ave	0.3525	0.3529		10.0	10.0	0.0	30.0
Toluene	Ave	0.5526	0.5212		9.43	10.0	-5.7	30.0
trans-1,3-Dichloropropene	Ave	0.3214	0.3165		9.84	10.0	-1.5	30.0
1,1,2-Trichloroethane	Ave	0.2552	0.2394		9.38	10.0	-6.2	30.0
Tetrachloroethene	Ave	0.4325	0.4163		9.62	10.0	-3.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2803	0.2733		9.75	10.0	-2.5	30.0
Dibromochloromethane	Ave	0.4846	0.5288		10.9	10.0	9.1	30.0
1,2-Dibromoethane	Ave	0.4650	0.4614		9.92	10.0	-0.8	30.0
Chlorobenzene	Ave	0.7079	0.6791		9.59	10.0	-4.1	30.0
Ethylbenzene	Ave	0.999	1.011		10.1	10.0	1.2	30.0
n-Nonane	Ave	0.3642	0.3774		10.4	10.0	3.6	30.0
m,p-Xylene	Ave	0.4132	0.4094		19.8	20.0	-0.9	30.0
Xylene, o-	Ave	0.4272	0.4101		9.60	10.0	-4.0	30.0
Styrene	Ave	0.5726	0.5973		10.4	10.0	4.3	30.0
Bromoform	Ave	0.4120	0.4514		11.0	10.0	9.5	30.0
Cumene	Ave	1.125	1.154		10.3	10.0	2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5856	0.5506		9.40	10.0	-6.0	30.0
n-Propylbenzene	Ave	1.219	1.288		10.6	10.0	5.7	30.0
1,2,3-Trichloropropane	Ave	0.4238	0.4118		9.71	10.0	-2.9	30.0
n-Decane	Ave	0.4079	0.4266		10.5	10.0	4.6	30.0
4-Ethyltoluene	Ave	1.059	1.143		10.8	10.0	7.9	30.0
2-Chlorotoluene	Ave	0.9265	0.9587		10.3	10.0	3.5	30.0
1,3,5-Trimethylbenzene	Ave	0.8863	0.9159		10.3	10.0	3.3	30.0
Alpha Methyl Styrene	Ave	0.4435	0.4834		10.9	10.0	9.0	30.0
tert-Butylbenzene	Ave	0.9047	0.9281		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab Sample ID: ICV 200-15668/12 Calibration Date: 03/23/2011 01:03
 Instrument ID: C.i Calib Start Date: 03/22/2011 17:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39
 Lab File ID: cjr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 120404

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8608	0.8873		10.3	10.0	3.1	30.0
sec-Butylbenzene	Ave	1.239	1.319		10.6	10.0	6.4	30.0
4-Isopropyltoluene	Ave	1.011	1.102		10.9	10.0	9.0	30.0
1,3-Dichlorobenzene	Ave	0.6273	0.6121		9.76	10.0	-2.4	30.0
1,4-Dichlorobenzene	Ave	0.6157	0.5995		9.74	10.0	-2.6	30.0
Benzyl chloride	Ave	0.6861	0.6146		8.96	10.0	-10.4	30.0
n-Undecane	Ave	0.3661	0.3558		9.72	10.0	-2.8	30.0
n-Butylbenzene	Ave	0.8231	0.8925		10.8	10.0	8.4	30.0
1,2-Dichlorobenzene	Ave	0.5954	0.5765		9.68	10.0	-3.2	30.0
n-Dodecane	Ave	0.2333	0.2565		11.0	10.0	9.9	30.0
1,2,4-Trichlorobenzene	Ave	0.2916	0.2821		9.67	10.0	-3.3	30.0
Hexachlorobutadiene	Ave	0.2682	0.2683		10.0	10.0	0.0	30.0
Naphthalene	Ave	0.6921	0.7070		10.2	10.0	2.1	30.0
1,2,3-Trichlorobenzene	Ave	0.2579	0.2636		10.2	10.0	2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-15924/2 Calibration Date: 03/31/2011 16:21
 Instrument ID: C.i Calib Start Date: 03/22/2011 17:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39
 Lab File ID: cjrg002.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	0.5117	0.6217		12.1	10.0	21.5	30.0
Dichlorodifluoromethane	Ave	2.694	3.111		11.5	10.0	15.4	30.0
Freon 22	Ave	1.279	1.451		11.3	10.0	13.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.837	3.114		11.0	10.0	9.8	30.0
Chloromethane	Ave	0.7119	0.8124		11.4	10.0	14.1	30.0
n-Butane	Ave	1.032	1.300		12.6	10.0	26.0	30.0
Vinyl chloride	Ave	0.8888	0.9857		11.1	10.0	10.9	30.0
1,3-Butadiene	Ave	0.5986	0.6887		11.5	10.0	15.1	30.0
Bromomethane	Ave	1.014	0.997		9.83	10.0	-1.7	30.0
Chloroethane	Ave	0.5411	0.5567		10.3	10.0	2.9	30.0
Isopentane	Ave	0.8962	1.073		12.0	10.0	19.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.078	1.071		9.94	10.0	-0.6	30.0
Trichlorofluoromethane	Ave	2.687	3.125		11.6	10.0	16.3	30.0
n-Pentane	Ave	1.405	1.659		11.8	10.0	18.0	30.0
Ethanol	Ave	0.2920	0.3157		16.2	15.0	8.1	30.0
Ethyl ether	Ave	0.7021	0.7574		10.8	10.0	7.9	30.0
Acrolein	Ave	0.3241	0.3155		9.73	10.0	-2.7	30.0
Freon TF	Ave	2.078	2.141		10.3	10.0	3.0	30.0
1,1-Dichloroethene	Ave	1.020	1.015		9.95	10.0	-0.5	30.0
Acetone	Ave	1.116	1.675		15.0	10.0	50.1*	30.0
Isopropyl alcohol	Ave	0.8121	1.090		13.4	10.0	34.3*	30.0
Carbon disulfide	Ave	3.139	3.166		10.1	10.0	0.9	30.0
3-Chloropropene	Ave	0.9521	1.148		12.1	10.0	20.6	30.0
Acetonitrile	Ave	0.6012	0.7698		12.8	10.0	28.0	30.0
Methylene Chloride	Ave	0.9582	1.076		11.2	10.0	12.3	30.0
tert-Butyl alcohol	Ave	1.336	1.856		13.9	10.0	39.0*	30.0
Methyl tert-butyl ether	Ave	2.880	3.307		11.5	10.0	14.8	30.0
trans-1,2-Dichloroethene	Ave	1.427	1.610		11.3	10.0	12.8	30.0
Acrylonitrile	Ave	0.5789	0.7384		10.9	10.0	27.5	30.0
n-Hexane	Ave	1.533	1.686		11.0	10.0	9.9	30.0
1,1-Dichloroethane	Ave	1.847	2.061		11.2	10.0	11.6	30.0
Vinyl acetate	Ave	1.763	2.274		12.9	10.0	29.0	30.0
cis-1,2-Dichloroethene	Ave	1.224	1.227		10.0	10.0	0.3	30.0
Ethyl acetate	Ave	0.0968	0.1049		10.8	10.0	8.4	30.0
Methyl Ethyl Ketone	Ave	0.4978	0.5444		10.9	10.0	9.4	30.0
Tetrahydrofuran	Ave	0.1437	0.1891		13.2	10.0	31.6*	30.0
Chloroform	Ave	2.312	2.584		11.2	10.0	11.8	30.0
1,1,1-Trichloroethane	Ave	0.4335	0.5195		12.0	10.0	19.8	30.0
Cyclohexane	Ave	0.2968	0.3070		10.3	10.0	3.4	30.0
Carbon tetrachloride	Ave	0.4337	0.5269		12.1	10.0	21.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-15924/2 Calibration Date: 03/31/2011 16:21
 Instrument ID: C.i Calib Start Date: 03/22/2011 17:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39
 Lab File ID: cjrg002.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	0.8805	0.9917		11.3	10.0	12.6	30.0
Benzene	Ave	0.6630	0.6745		10.2	10.0	1.7	30.0
1,2-Dichloroethane	Ave	0.2412	0.3136		13.0	10.0	30.0	30.0
n-Heptane	Ave	0.2707	0.3415		12.6	10.0	26.2	30.0
n-Butanol	Ave	0.0652	0.0736		11.3	10.0	12.9	30.0
Trichloroethene	Ave	0.2930	0.3142		10.7	10.0	7.2	30.0
1,2-Dichloropropane	Ave	0.2150	0.2373		11.0	10.0	10.4	30.0
Methyl methacrylate	Ave	0.1811	0.2135		11.8	10.0	17.9	30.0
1,4-Dioxane	Ave	0.0792	0.0884		11.2	10.0	11.6	30.0
Dibromomethane	Ave	0.2280	0.2445		10.7	10.0	7.2	30.0
Bromodichloromethane	Ave	0.4323	0.5266		12.2	10.0	21.8	30.0
cis-1,3-Dichloropropene	Ave	0.3433	0.3883		11.3	10.0	13.1	30.0
methyl isobutyl ketone	Ave	0.2676	0.3947		14.7	10.0	47.5*	30.0
n-Octane	Ave	0.3525	0.4702		13.3	10.0	33.4*	30.0
Toluene	Ave	0.5526	0.5434		9.83	10.0	-1.7	30.0
trans-1,3-Dichloropropene	Ave	0.3214	0.3958		12.3	10.0	23.1	30.0
1,1,2-Trichloroethane	Ave	0.2552	0.2567		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.4325	0.4313		9.97	10.0	-0.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2803	0.3867		13.8	10.0	38.0*	30.0
Dibromochloromethane	Ave	0.4846	0.5500		11.3	10.0	13.5	30.0
1,2-Dibromoethane	Ave	0.4650	0.4867		10.5	10.0	4.7	30.0
Chlorobenzene	Ave	0.7079	0.7154		10.1	10.0	1.1	30.0
Ethylbenzene	Ave	0.999	1.131		11.3	10.0	13.2	30.0
n-Nonane	Ave	0.3642	0.4561		12.5	10.0	25.2	30.0
m,p-Xylene	Ave	0.4132	0.4536		22.0	20.0	9.8	30.0
Xylene, o-	Ave	0.4272	0.4593		10.7	10.0	7.5	30.0
Styrene	Ave	0.5726	0.6720		11.7	10.0	17.4	30.0
Bromoform	Ave	0.4120	0.4820		11.7	10.0	17.0	30.0
Cumene	Ave	1.125	1.313		11.7	10.0	16.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5856	0.6463		11.0	10.0	10.4	30.0
n-Propylbenzene	Ave	1.219	1.508		12.4	10.0	23.7	30.0
1,2,3-Trichloropropane	Ave	0.4238	0.5099		12.0	10.0	20.3	30.0
n-Decane	Ave	0.4079	0.5687		13.9	10.0	39.4*	30.0
4-Ethyltoluene	Ave	1.059	1.307		12.3	10.0	23.4	30.0
2-Chlorotoluene	Ave	0.9265	1.098		11.9	10.0	18.5	30.0
1,3,5-Trimethylbenzene	Ave	0.8863	1.107		12.5	10.0	24.9	30.0
Alpha Methyl Styrene	Ave	0.4435	0.5471		12.3	10.0	23.4	30.0
tert-Butylbenzene	Ave	0.9047	1.075		11.9	10.0	18.9	30.0
1,2,4-Trimethylbenzene	Ave	0.8608	1.099		12.8	10.0	27.7	30.0
sec-Butylbenzene	Ave	1.239	1.550		12.5	10.0	25.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4478-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-15924/2 Calibration Date: 03/31/2011 16:21
 Instrument ID: C.i Calib Start Date: 03/22/2011 17:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/22/2011 22:39
 Lab File ID: cjrg002.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
4-Isopropyltoluene	Ave	1.011	1.317		13.0	10.0	30.3*	30.0
1,3-Dichlorobenzene	Ave	0.6273	0.7050		11.2	10.0	12.4	30.0
1,4-Dichlorobenzene	Ave	0.6157	0.6923		11.2	10.0	12.4	30.0
Benzyl chloride	Ave	0.6861	0.6844		9.97	10.0	-0.2	30.0
n-Undecane	Ave	0.3661	0.4685		12.8	10.0	28.0	30.0
n-Butylbenzene	Ave	0.8231	1.103		13.4	10.0	34.0*	30.0
1,2-Dichlorobenzene	Ave	0.5954	0.6805		11.4	10.0	14.3	30.0
n-Dodecane	Ave	0.2333	0.3352		14.4	10.0	43.7*	30.0
1,2,4-Trichlorobenzene	Ave	0.2916	0.3162		10.8	10.0	8.4	30.0
Hexachlorobutadiene	Ave	0.2682	0.3522		13.1	10.0	31.3*	30.0
Naphthalene	Ave	0.6921	0.6873		9.93	10.0	-0.7	30.0
1,2,3-Trichlorobenzene	Ave	0.2579	0.2756		10.7	10.0	6.9	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-4233-1

SDG No.: _____

Instrument ID: C.i Start Date: 03/12/2011 11:35Analysis Batch Number: 15119 End Date: 03/12/2011 20:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-15119/1		03/12/2011 11:35	1	cjq001.d	RTX-624 0.32 (mm)
VIBLK 200-15119/2		03/12/2011 12:26	1		RTX-624 0.32 (mm)
IC 200-15119/3		03/12/2011 13:14	1	cjq003.d	RTX-624 0.32 (mm)
IC 200-15119/4		03/12/2011 14:02	1	cjq004.d	RTX-624 0.32 (mm)
IC 200-15119/5		03/12/2011 14:51	1	cjq005.d	RTX-624 0.32 (mm)
ICIS 200-15119/6		03/12/2011 15:39	1	cjq006.d	RTX-624 0.32 (mm)
IC 200-15119/7		03/12/2011 16:27	1	cjq007.d	RTX-624 0.32 (mm)
IC 200-15119/8		03/12/2011 17:15	1	cjq008.d	RTX-624 0.32 (mm)
IC 200-15119/9		03/12/2011 18:03	1	cjq009.d	RTX-624 0.32 (mm)
VIBLK 200-15119/10		03/12/2011 18:51	1		RTX-624 0.32 (mm)
ICV 200-15119/11		03/12/2011 19:39	1	cjq011.d	RTX-624 0.32 (mm)
VIBLK 200-15119/12		03/12/2011 20:27	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4233-1

SDG No.: _____

Instrument ID: C.iStart Date: 03/14/2011 17:51Analysis Batch Number: 15121End Date: 03/15/2011 17:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-15121/1		03/14/2011 17:51	1	cjqa001.d	RTX-624 0.32 (mm)
CCVIS 200-15121/2		03/14/2011 18:37	1	cjqa002.d	RTX-624 0.32 (mm)
LCS 200-15121/3		03/14/2011 19:40	1	cjqa003.d	RTX-624 0.32 (mm)
MB 200-15121/4		03/14/2011 20:28	1	cjqa004.d	RTX-624 0.32 (mm)
ZZZZZ		03/14/2011 23:18	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 00:10	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 01:02	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 01:50	1		RTX-624 0.32 (mm)
200-4233-3	3688	03/15/2011 02:38	1	cjqa009.d	RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 03:29	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 04:21	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 05:13	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 06:04	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 06:57	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 07:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 08:32	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 09:20	2.5		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 10:08	3.03		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 10:56	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 11:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 12:32	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 13:20	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 14:08	1		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 15:00	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 15:48	10		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 16:36	10		RTX-624 0.32 (mm)
ZZZZZ		03/15/2011 17:23	10		RTX-624 0.32 (mm)

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information			
Batch ID:	Start Date:	Time:	ISTD Lot #:	CAL STD Lot #:	Instrument ID:	Instrument:	Column Type:				
C39	3/12/11	135	84578	see comments	C	5973	RTX-624				
Test Method:	End Date:	Time:	ICV / LCS Lot #:	Analyst	Analyst						
ICAL Date:											
Manager	MTP	Analyst	WLD	Operator	Volume (mL)	Inlet #	Dilution Factor	ETR	Summa Can ID	TALS ID / File Name	Injection Time
Mark Phillips	William Davidson	WLD	WLD	WLD	1A	1	1A	BFB	4632	001	1/35
Mark Phillips	WLD	WLD	WLD	WLD	200	2	1	V13LK	3968	002	1/26
						3		Level 1	3482	003	1/34
						4		Level 2	4114	004	1/402
						5		Level 3	3643	005	1/451
						6		Level 4	3631	006	1/539
						7		Level 5	4319	007	1/627
						8		Level 6	4443	008	1/715
						9		Level 7	4632	009	1/803
						10		V13LK	2960	010	1/851
						11		FCV	4632	011	1/939
						12		MB		012	1/927

Sequence Information				Individual Sample Review				Comments / Standard Traceability			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1/35	001	4632	BFB	1A	1	1A	WLD	1A	✓	WLD	709460
1/26	002	3968	V13LK	1	2	200	WLD	1A	✓	WLD	109445
1/34	003	3482	Level 1	1	3		WLD	1A	✓	WLD	109445
1/402	004	4114	Level 2	1	4		WLD	1A	✓	WLD	119928
1/451	005	3643	Level 3	1	5		WLD	1A	✓	WLD	109427
1/539	006	3631	Level 4	1	6		WLD	1A	✓	WLD	109425
1/627	007	4319	Level 5	1	7		WLD	1A	✓	WLD	109424
1/715	008	4443	Level 6	1	8		WLD	1A	✓	WLD	120368
1/803	009	4632	Level 7	1	9		WLD	1A	✓	WLD	
1/851	010	2960	V13LK	1	10		WLD	1A	✓	WLD	
1/939	011	4632	FCV	1	11		WLD	1A	✓	WLD	
1/927	012		MB	1	12		WLD	1A	✓	WLD	

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information	
Batch ID: C70A	Start Date: 03/14/2011	ISTD Lot #: 84578	Instrument ID: C		
Test Method: TOL	End Date: 03/15/2011	CAL STD Lot #: 119928	Instrument: 5973		
ICAL Date: 03/12/2011		ICV/LCS Lot #: 120368	Column Type: RTX-624		
Manager	Analyst: SN	Analyst	Analyst		
Name/Initial	Signature: <i>Sorella</i>				
Signature					

Sequence Information					Individual Sample Review				Comments / Standard Traceability	
TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.		Primary Anal.
1751 C70A001	—	BBB	NA	1	—	SN	—	✓	✓	Ag Ag
1837 002	3643	✓	—	1	200	—	—	✓	✓	
1940 003	2960	✓	—	2	—	—	✓	✓	✓	
2028 004	4633	MB	—	3	—	—	✓	✓	✓	CS2
2318 005	2672	4187-6	0.2	1	1000	—	✓	✓	✓	
0010 006	4330	3974-5	—	2	—	—	✓	✓	✓	
0102 007	3537	—	—	3	—	—	✓	✓	✓	CS2
0150 008	4851	4234-8	0.2	4	1000	—	✓	✓	✓	
0238 009	3688	4233-3	0.2	5	1000	—	✓	✓	✓	
0329 010	4568	4203-8	0.2	6	1000	—	✓	✓	✓	Xylene
0421 011	4380	4202-5	0.2	7	1000	—	✓	✓	✓	
0513 012	4372	4211-9	0.2	8	1000	—	✓	✓	✓	
0604 013	4324	4209-11	0.2	9	1000	—	✓	✓	✓	Xylene
0657 014	3312	4228-2	0.2	10	1000	—	✓	✓	✓	
0745 015	2721	4107-1	1.0	11	200	SN	✓	✓	✓	
0852 016	8048	—	—	12	200	—	✓	✓	✓	CS2
0920 017	5137	—	—	13	80	—	✓	✓	✓	
1008 018	2566	—	—	14	60	—	✓	✓	✓	
1056 019	3012	—	—	15	200	—	✓	✓	✓	CS2
1145 020	2064	2351-1	1.0	16	200	SN	✓	✓	✓	
1232 021	2953	4088-1	1	2	200	MB	✓	✓	✓	
1320 022	5114	4163-1	1	3	200	—	✓	✓	✓	CS2
1408 023	5100	—	—	4	—	—	✓	✓	✓	
1500 024	2022	4187-6	0.2	1	1000	—	✓	✓	✓	
1548 025	4961	34294-3	1.0	5	20	MB	✓	✓	✓	CS2
1634 026	3050	—	—	6	—	—	✓	✓	✓	
1723 027	3849	—	—	7	—	—	✓	✓	✓	

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓ = Reviewed and Acceptable

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TestAmerica

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GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information							
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	C						
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument:	5973						
ICAL Date:			ICV/LCS Lot #:	Column Type:	RTX-624						
Manager MTP Name/Initial Mark Phillips Signature Mark Phillips		Analyst R Name/Initial Sorel Vargeme Signature Sorel Vargeme		Analyst R Name/Initial William Desjardins Signature William Desjardins							
Sequence Information											
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1618	CORE001	-	35-3	NA	1	-	PAD	✓	✓	PAD	
1704	002	4632	VIBLK		1	200		✓	✓	✓	109459
1752	003	5067	1C-1		2			✓	✓		109450
1840	004	2703	1C-2		3			✓	✓		109440
1927	005	3640	1C-3		4			✓	✓		119922
2015	006	2961	1C15-4		5			✓	✓		109427
2003	007	3631	1C-5		6			✓	✓		109423
2051	008	4319	1C-6		7			✓	✓		109424
2039	009	4943	1C-7		8			✓	✓		
2027	010	4632	VIBLK		9			✓	✓	PAD	
0015	011	4632	VIBLK		10			✓	✓		
0003	012	5014	1CV		11			✓	✓		120404 AG
0152	013	4632	VIBLK		12			✓	✓		
0240	014	4632	MB	NA	1	200		✓	✓		
0328	015	5067	0.2115		2			✓	✓		109459 AG
0410	016	2703	0.5225		3			✓	✓		450 AG
0504	017	3640	5.0115		4			✓	✓		440 AG
0553	018	4677	4330-5	0.4	10	500		✓	✓		Reject - partial elution
0641	019	5042	4291-1	1.0	11	200		✓	✓		
0729	020	4010	-2		12			✓	✓		
0817	021	3397	-3		13			✓	✓		
0905	022	3394	-4		14			✓	✓		
0953	023	5088	4300-01	1.0	15	200		✓	✓		
1042	024	4869	1-02	1.0	16	20		✓	✓	WMD	
1130	025	4783	4342-01	0.4	1	500	PAD	✓	✓		
1218	026	3397	4291-03	3.57	13	56		✓	✓		
1306	027	4824	4300-03	1	2	200		✓	✓		

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information							
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	C						
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument:	5973						
ICAL Date:			ICV / LCS Lot #:	Column Type:	RTX-624						
Manager	Analyst	Analyst	Analyst	Analyst	Analyst						
Name/Initial	Signature										
Sequence Information											
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1533	CJR67001	4296	BAB	NA	2	200	SV	✓	✓	✓	SHORT LIST
1621	002	2960	CCV	1.0	3	200	SV	✓	✓	✓	3P
1709	003	4633	NIB	1.0	4	200	SV	✓	✓	✓	
1757	004	2583	4418-2	1.0	5	200	SV	✓	✓	✓	
1845	005	5107	-4	1.0	6	200	SV	✓	✓	✓	4INT RT OUT.
1933	006	4329	-6	1.0	7	200	SV	✓	✓	✓	
2021	007	5155	-8	1.0	8	200	SV	✓	✓	✓	
2110	008	4155	-10	1.0	9	200	SV	✓	✓	✓	
2158	009	3549	-13	1.0	10	200	SV	✓	✓	✓	LOG ↑ PA-1.10
2246	010	5134	4444-01	1.0	11	200	SV	✓	✓	✓	CDP 13.21C
2334	011	3708	-02	1.0	12	200	SV	✓	✓	✓	
0022	012	8461	4444-01	2.0	13	100	SV	✓	✓	✓	
0110	013		-2	2.0	14	10	SV	✓	✓	✓	
0158	014		-3	2.0	15	200	SV	✓	✓	✓	
0246	015	3730	4444-02	1.0	16	200	SV	✓	✓	✓	
0334	016	4666	4478-3	1.0	1	200	SV	✓	✓	✓	
0422	017	5111	TEST5124	1.0	2	200	SV	✓	✓	✓	
0511	018	4111	4111	1.0	3	200	SV	✓	✓	✓	
0559	019	3666	3666	1.0	4	200	SV	✓	✓	✓	
0647	020	4101	4101	1.0	5	200	SV	✓	✓	✓	
0735	021	3549	4418-13	1.0	10	200	SV	✓	✓	✓	Reclaim
0823	022	3586	4429-09	1.0	1	200	PAD	✓	✓	✓	
0917	023	4671	-10	1.0	2	200	SV	✓	✓	✓	
1006	024	3331	-11	1.0	3	200	SV	✓	✓	✓	
1054	025	4966	-12	1.0	4	200	SV	✓	✓	✓	
1142	026	4281	4487-01	0.2	5	1500	SV	✓	✓	✓	
1231	027										

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓ = Reviewed and Acceptable

Sequence		Standard Traceability		Instrument Information
Batch ID:	C2R62	Start Date:	03/31/11	Instrument ID: C
Test Method:	TEL	End Date:	04/01/11	Instrument: 5973
ICAL Date:	03/22/11			Column Type: RTX-624
Manager		Analyst	87	Analyst
Name/Initial			Samuel Williams	
Signature			Self	

Sequence Information				Individual Sample Review				Comments / Standard Traceability		
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator		Internal Std.	Result Conc.
1326	CJRG-028	3351	4486-09	0.2	6	1000	PAD	✓	✓	SV

12/22/11
04/02/11
04/02/11

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TestAmerica

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4478-1

SDG No.: _____

Instrument ID: C.iStart Date: 03/22/2011 16:18Analysis Batch Number: 15668End Date: 03/23/2011 15:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-15668/1		03/22/2011 16:18	1	cjr001.d	RTX-624 0.32 (mm)
VIBLK 200-15668/2		03/22/2011 17:04	1		RTX-624 0.32 (mm)
IC 200-15668/3		03/22/2011 17:52	1	cjr003.d	RTX-624 0.32 (mm)
IC 200-15668/4		03/22/2011 18:40	1	cjr004.d	RTX-624 0.32 (mm)
IC 200-15668/5		03/22/2011 19:27	1	cjr005.d	RTX-624 0.32 (mm)
ICIS 200-15668/6		03/22/2011 20:15	1	cjr006.d	RTX-624 0.32 (mm)
IC 200-15668/7		03/22/2011 21:03	1	cjr007.d	RTX-624 0.32 (mm)
IC 200-15668/8		03/22/2011 21:51	1	cjr008.d	RTX-624 0.32 (mm)
IC 200-15668/9		03/22/2011 22:39	1	cjr009.d	RTX-624 0.32 (mm)
VIBLK 200-15668/10		03/22/2011 23:27	1		RTX-624 0.32 (mm)
VIBLK 200-15668/11		03/23/2011 00:15	1		RTX-624 0.32 (mm)
ICV 200-15668/12		03/23/2011 01:03	1	cjr012.d	RTX-624 0.32 (mm)
VIBLK 200-15668/13		03/23/2011 01:52	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 02:40	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 03:28	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 04:16	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 05:04	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 05:53	0.4		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 06:41	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 07:29	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 08:17	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 09:05	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 09:53	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 10:42	10		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 11:30	0.4		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 12:18	3.57		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 13:06	1		RTX-624 0.32 (mm)
ZZZZZ		03/23/2011 13:55	10		RTX-624 0.32 (mm)
CCVC 200-15668/29		03/23/2011 14:42	1		RTX-624 0.32 (mm)
CCVC 200-15668/30		03/23/2011 15:30	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4478-1

SDG No.: _____

Instrument ID: C.iStart Date: 03/31/2011 15:33Analysis Batch Number: 15924End Date: 04/01/2011 13:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-15924/1		03/31/2011 15:33	1	cjrg001.d	RTX-624 0.32 (mm)
CCVIS 200-15924/2		03/31/2011 16:21	1	cjrg002.d	RTX-624 0.32 (mm)
LCS 200-15924/3		03/31/2011 17:09	1	cjrg003.d	RTX-624 0.32 (mm)
MB 200-15924/4		03/31/2011 17:57	1	cjrg004.d	RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 18:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 19:33	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 20:21	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 21:10	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 21:58	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 22:46	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2011 23:34	132		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 00:22	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 01:10	2		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 01:58	20		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 02:46	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 03:34	1		RTX-624 0.32 (mm)
200-4478-3	4666	04/01/2011 04:22	1	cjrg017.d	RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 05:11	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 05:59	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 06:47	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 07:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 08:23	10		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 09:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 10:06	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 10:54	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 11:42	1		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 12:34	0.2		RTX-624 0.32 (mm)
ZZZZZ		04/01/2011 13:26	0.2		RTX-624 0.32 (mm)

Shipping and Receiving Documents

Canister Samples Chain of Custody Record

phone 802-660-1990 fax 802-660-1919

[illegible]

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 200-4737-1

SDG Number: 200-4737

Login Number: 4737

List Source: TestAmerica Burlington

List Number: 2

Creator: Matot, Wade M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	144549
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	See NCM
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 200-5005-1

SDG Number: 200-5005

Job Description: AF59

For:
Geosyntec Consultants, Inc.
130 Research Lane
Suite 2
Guelph, Ontario N1G5G3
Attention: Mr. David Bertrand



Approved for release.
Don C Dawicki
Project Manager II
5/11/2011 3:44 PM

Don C Dawicki
Project Manager II
don.dawicki@testamericainc.com
05/11/2011

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Geosyntec Consultants, Inc.

Project: AF59

Report Number: 200-5005-1

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 05/03/2011; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples SL-118-5, SL-118-20, SL-118-END, SL-084-5, SL-084-20, SL-084-END, SL-022-5, SL-022-20 and SL-022-END were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 05/05/2011 and 05/06/2011.

Samples SL-118-5[25X], SL-118-20[25X], SL-118-END[20X], SL-084-5[678X], SL-084-20[674X], SL-084-END[403X], SL-022-5[20X], SL-022-20[25X] and SL-022-END[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.i Analysis Batch Number: 16751Lab Sample ID: IC 200-16751/14 Client Sample ID: _____Date Analyzed: 04/20/11 08:43 Lab File ID: bka014.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	7.99	Baseline event	pd	04/20/11 09:52
Ethyl acetate	8.93	Baseline event	pd	04/20/11 09:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.i Analysis Batch Number: 17603Lab Sample ID: MB 200-17603/4 Client Sample ID: _____Date Analyzed: 05/05/11 12:27 Lab File ID: bkaj004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	6.80	Baseline event	pd	05/05/11 13:43

Lab Sample ID: 200-5005-1 Client Sample ID: SL-118-5Date Analyzed: 05/05/11 22:24 Lab File ID: bkaj015.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	3.07	Peak not found by the data system	pd	05/06/11 10:15
Acetone	6.12	Baseline event	pd	05/06/11 10:17
Methyl Ethyl Ketone	8.94	Baseline event	pd	05/06/11 10:17

Lab Sample ID: 200-5005-2 Client Sample ID: SL-118-20Date Analyzed: 05/05/11 23:16 Lab File ID: bkaj016.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.93	Baseline event	pd	05/06/11 10:20
Carbon tetrachloride	9.73	Analyte misidentified by the data system	pd	05/06/11 10:21

Lab Sample ID: 200-5005-3 Client Sample ID: SL-118-ENDDate Analyzed: 05/06/11 00:09 Lab File ID: bkaj017.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	3.07	Peak not found by the data system	pd	05/06/11 10:23
Carbon tetrachloride	9.73	Analyte misidentified by the data system	pd	05/06/11 10:24

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.i Analysis Batch Number: 17603Lab Sample ID: 200-5005-7 Client Sample ID: SL-022-5Date Analyzed: 05/06/11 03:38 Lab File ID: bkaj021.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.92	Baseline event	pd	05/06/11 10:29

Lab Sample ID: 200-5005-4 Client Sample ID: SL-084-5Date Analyzed: 05/06/11 09:23 Lab File ID: bkaj024.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	5.79	Baseline event	pd	05/06/11 10:43

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.i Analysis Batch Number: 17703Lab Sample ID: 200-5005-5 Client Sample ID: SL-084-20Date Analyzed: 05/06/11 17:02 Lab File ID: bkak008.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	6.80	Baseline event	pd	05/09/11 11:01

SAMPLE SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-5005-1	SL-118-5	Air	04/28/2011 1859	05/03/2011 1020
200-5005-2	SL-118-20	Air	04/28/2011 1913	05/03/2011 1020
200-5005-3	SL-118-END	Air	04/28/2011 2050	05/03/2011 1020
200-5005-4	SL-084-5	Air	04/29/2011 1121	05/03/2011 1020
200-5005-5	SL-084-20	Air	04/29/2011 1134	05/03/2011 1020
200-5005-6	SL-084-END	Air	04/29/2011 1238	05/03/2011 1020
200-5005-7	SL-022-5	Air	04/29/2011 1506	05/03/2011 1020
200-5005-8	SL-022-20	Air	04/29/2011 1521	05/03/2011 1020
200-5005-9	SL-022-END	Air	04/29/2011 1643	05/03/2011 1020

EXECUTIVE SUMMARY - Detections

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
200-5005-1	SL-118-5				
Freon TF		11	5.0	ppb v/v	TO-15
Freon TF		81	38	ug/m3	TO-15
1,1,1-Trichloroethane		610	5.0	ppb v/v	TO-15
1,1,1-Trichloroethane		3300	27	ug/m3	TO-15
Trichloroethene		570	5.0	ppb v/v	TO-15
Trichloroethene		3000	27	ug/m3	TO-15
200-5005-2	SL-118-20				
Freon TF		9.1	4.9	ppb v/v	TO-15
Freon TF		70	38	ug/m3	TO-15
1,1,1-Trichloroethane		550	4.9	ppb v/v	TO-15
1,1,1-Trichloroethane		3000	27	ug/m3	TO-15
Trichloroethene		540	4.9	ppb v/v	TO-15
Trichloroethene		2900	27	ug/m3	TO-15
200-5005-3	SL-118-END				
Freon TF		6.6	4.0	ppb v/v	TO-15
Freon TF		51	31	ug/m3	TO-15
1,1,1-Trichloroethane		400	4.0	ppb v/v	TO-15
1,1,1-Trichloroethane		2200	22	ug/m3	TO-15
Trichloroethene		440	4.0	ppb v/v	TO-15
Trichloroethene		2400	22	ug/m3	TO-15
200-5005-4	SL-084-5				
trans-1,2-Dichloroethene		330	140	ppb v/v	TO-15
trans-1,2-Dichloroethene		1300	540	ug/m3	TO-15
cis-1,2-Dichloroethene		780	140	ppb v/v	TO-15
cis-1,2-Dichloroethene		3100	540	ug/m3	TO-15
1,2-Dichloroethene, Total		1100	140	ppb v/v	TO-15
1,2-Dichloroethene, Total		4400	540	ug/m3	TO-15
1,1,1-Trichloroethane		200	140	ppb v/v	TO-15
1,1,1-Trichloroethane		1100	740	ug/m3	TO-15
Trichloroethene		21000	140	ppb v/v	TO-15
Trichloroethene		110000	730	ug/m3	TO-15
Tetrachloroethene		180	140	ppb v/v	TO-15
Tetrachloroethene		1200	920	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
200-5005-5	SL-084-20				
trans-1,2-Dichloroethene		260	130	ppb v/v	TO-15
trans-1,2-Dichloroethene		1000	530	ug/m3	TO-15
cis-1,2-Dichloroethene		720	130	ppb v/v	TO-15
cis-1,2-Dichloroethene		2800	530	ug/m3	TO-15
1,2-Dichloroethene, Total		980	130	ppb v/v	TO-15
1,2-Dichloroethene, Total		3900	530	ug/m3	TO-15
Trichloroethene		18000	130	ppb v/v	TO-15
Trichloroethene		97000	720	ug/m3	TO-15
200-5005-6	SL-084-END				
trans-1,2-Dichloroethene		140	81	ppb v/v	TO-15
trans-1,2-Dichloroethene		570	320	ug/m3	TO-15
cis-1,2-Dichloroethene		380	81	ppb v/v	TO-15
cis-1,2-Dichloroethene		1500	320	ug/m3	TO-15
1,2-Dichloroethene, Total		520	81	ppb v/v	TO-15
1,2-Dichloroethene, Total		2100	320	ug/m3	TO-15
Trichloroethene		9900	81	ppb v/v	TO-15
Trichloroethene		53000	430	ug/m3	TO-15
200-5005-7	SL-022-5				
Trichlorofluoromethane		5.8	4.0	ppb v/v	TO-15
Trichlorofluoromethane		32	22	ug/m3	TO-15
Freon TF		19	4.0	ppb v/v	TO-15
Freon TF		150	31	ug/m3	TO-15
1,1,1-Trichloroethane		45	4.0	ppb v/v	TO-15
1,1,1-Trichloroethane		240	22	ug/m3	TO-15
Trichloroethene		530	4.0	ppb v/v	TO-15
Trichloroethene		2800	21	ug/m3	TO-15
200-5005-8	SL-022-20				
Trichlorofluoromethane		6.0	5.0	ppb v/v	TO-15
Trichlorofluoromethane		33	28	ug/m3	TO-15
Freon TF		21	5.0	ppb v/v	TO-15
Freon TF		160	38	ug/m3	TO-15
1,1,1-Trichloroethane		50	5.0	ppb v/v	TO-15
1,1,1-Trichloroethane		270	27	ug/m3	TO-15
Trichloroethene		620	5.0	ppb v/v	TO-15
Trichloroethene		3400	27	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
200-5005-9	SL-022-END				
Freon TF		17	5.0	ppb v/v	TO-15
Freon TF		130	38	ug/m3	TO-15
1,1,1-Trichloroethane		50	5.0	ppb v/v	TO-15
1,1,1-Trichloroethane		270	27	ug/m3	TO-15
Trichloroethene		680	5.0	ppb v/v	TO-15
Trichloroethene		3700	27	ug/m3	TO-15

METHOD SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-5

Lab Sample ID: 200-5005-1

Date Sampled: 04/28/2011 1859

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj015.d
Dilution:	25.1			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2224			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2224			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	13	U	13
Freon 22	13	U	13
1,2-Dichlorotetrafluoroethane	5.0	U	5.0
Chloromethane	13	U	13
n-Butane	13	U	13
Vinyl chloride	5.0	U	5.0
1,3-Butadiene	5.0	U	5.0
Bromomethane	5.0	U	5.0
Chloroethane	13	U	13
Bromoethene(Vinyl Bromide)	5.0	U	5.0
Trichlorofluoromethane	5.0	U	5.0
Freon TF	11		5.0
1,1-Dichloroethene	5.0	U	5.0
Acetone	130	U	130
Isopropyl alcohol	130	U	130
Carbon disulfide	13	U	13
3-Chloropropene	13	U	13
Methylene Chloride	13	U	13
tert-Butyl alcohol	130	U	130
Methyl tert-butyl ether	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	5.0
n-Hexane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
Methyl Ethyl Ketone	13	U	13
cis-1,2-Dichloroethene	5.0	U	5.0
1,2-Dichloroethene, Total	5.0	U	5.0
Chloroform	5.0	U	5.0
Tetrahydrofuran	130	U	130
1,1,1-Trichloroethane	610		5.0
Cyclohexane	5.0	U	5.0
Carbon tetrachloride	5.0	U	5.0
2,2,4-Trimethylpentane	5.0	U	5.0
Benzene	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
n-Heptane	5.0	U	5.0
Trichloroethene	570		5.0
Methyl methacrylate	13	U	13
1,2-Dichloropropane	5.0	U	5.0
1,4-Dioxane	130	U	130
Bromodichloromethane	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
methyl isobutyl ketone	13	U	13
Toluene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Tetrachloroethene	5.0	U	5.0

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-5

Lab Sample ID: 200-5005-1

Date Sampled: 04/28/2011 1859

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj015.d
Dilution:	25.1			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2224			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2224			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	13	U	13
Dibromochloromethane	5.0	U	5.0
1,2-Dibromoethane	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
m,p-Xylene	13	U	13
Xylene, o-	5.0	U	5.0
Xylene (total)	5.0	U	5.0
Styrene	5.0	U	5.0
Bromoform	5.0	U	5.0
Cumene	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0
n-Propylbenzene	5.0	U	5.0
4-Ethyltoluene	5.0	U	5.0
1,3,5-Trimethylbenzene	5.0	U	5.0
2-Chlorotoluene	5.0	U	5.0
tert-Butylbenzene	5.0	U	5.0
1,2,4-Trimethylbenzene	5.0	U	5.0
sec-Butylbenzene	5.0	U	5.0
4-Isopropyltoluene	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	5.0
Benzyl chloride	5.0	U	5.0
n-Butylbenzene	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	5.0
1,2,4-Trichlorobenzene	13	U	13
Hexachlorobutadiene	5.0	U	5.0
Naphthalene	13	U	13

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	62	U	62
Freon 22	44	U	44
1,2-Dichlorotetrafluoroethane	35	U	35
Chloromethane	26	U	26
n-Butane	30	U	30
Vinyl chloride	13	U	13
1,3-Butadiene	11	U	11
Bromomethane	19	U	19
Chloroethane	33	U	33
Bromoethene(Vinyl Bromide)	22	U	22
Trichlorofluoromethane	28	U	28
Freon TF	81		38
1,1-Dichloroethene	20	U	20
Acetone	300	U	300
Isopropyl alcohol	310	U	310
Carbon disulfide	39	U	39

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-5

Lab Sample ID: 200-5005-1

Date Sampled: 04/28/2011 1859

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj015.d
Dilution:	25.1			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2224			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2224			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	39	U	39
Methylene Chloride	44	U	44
tert-Butyl alcohol	380	U	380
Methyl tert-butyl ether	18	U	18
trans-1,2-Dichloroethene	20	U	20
n-Hexane	18	U	18
1,1-Dichloroethane	20	U	20
Methyl Ethyl Ketone	37	U	37
cis-1,2-Dichloroethene	20	U	20
1,2-Dichloroethene, Total	20	U	20
Chloroform	25	U	25
Tetrahydrofuran	370	U	370
1,1,1-Trichloroethane	3300		27
Cyclohexane	17	U	17
Carbon tetrachloride	32	U	32
2,2,4-Trimethylpentane	23	U	23
Benzene	16	U	16
1,2-Dichloroethane	20	U	20
n-Heptane	21	U	21
Trichloroethene	3000		27
Methyl methacrylate	51	U	51
1,2-Dichloropropane	23	U	23
1,4-Dioxane	450	U	450
Bromodichloromethane	34	U	34
cis-1,3-Dichloropropene	23	U	23
methyl isobutyl ketone	51	U	51
Toluene	19	U	19
trans-1,3-Dichloropropene	23	U	23
1,1,2-Trichloroethane	27	U	27
Tetrachloroethene	34	U	34
Methyl Butyl Ketone (2-Hexanone)	51	U	51
Dibromochloromethane	43	U	43
1,2-Dibromoethane	39	U	39
Chlorobenzene	23	U	23
Ethylbenzene	22	U	22
m,p-Xylene	54	U	54
Xylene, o-	22	U	22
Xylene (total)	22	U	22
Styrene	21	U	21
Bromoform	52	U	52
Cumene	25	U	25
1,1,2,2-Tetrachloroethane	34	U	34
n-Propylbenzene	25	U	25
4-Ethyltoluene	25	U	25
1,3,5-Trimethylbenzene	25	U	25
2-Chlorotoluene	26	U	26

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-5

Lab Sample ID: 200-5005-1

Date Sampled: 04/28/2011 1859

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj015.d
Dilution:	25.1			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2224			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2224			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	28	U	28
1,2,4-Trimethylbenzene	25	U	25
sec-Butylbenzene	28	U	28
4-Isopropyltoluene	28	U	28
1,3-Dichlorobenzene	30	U	30
1,4-Dichlorobenzene	30	U	30
Benzyl chloride	26	U	26
n-Butylbenzene	28	U	28
1,2-Dichlorobenzene	30	U	30
1,2,4-Trichlorobenzene	93	U	93
Hexachlorobutadiene	54	U	54
Naphthalene	66	U	66

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-20

Lab Sample ID: 200-5005-2

Date Sampled: 04/28/2011 1913

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj016.d
Dilution:	24.7			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2316			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2316			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	12	U	12
Freon 22	12	U	12
1,2-Dichlorotetrafluoroethane	4.9	U	4.9
Chloromethane	12	U	12
n-Butane	12	U	12
Vinyl chloride	4.9	U	4.9
1,3-Butadiene	4.9	U	4.9
Bromomethane	4.9	U	4.9
Chloroethane	12	U	12
Bromoethene(Vinyl Bromide)	4.9	U	4.9
Trichlorofluoromethane	4.9	U	4.9
Freon TF	9.1		4.9
1,1-Dichloroethene	4.9	U	4.9
Acetone	120	U	120
Isopropyl alcohol	120	U	120
Carbon disulfide	12	U	12
3-Chloropropene	12	U	12
Methylene Chloride	12	U	12
tert-Butyl alcohol	120	U	120
Methyl tert-butyl ether	4.9	U	4.9
trans-1,2-Dichloroethene	4.9	U	4.9
n-Hexane	4.9	U	4.9
1,1-Dichloroethane	4.9	U	4.9
Methyl Ethyl Ketone	12	U	12
cis-1,2-Dichloroethene	4.9	U	4.9
1,2-Dichloroethene, Total	4.9	U	4.9
Chloroform	4.9	U	4.9
Tetrahydrofuran	120	U	120
1,1,1-Trichloroethane	550		4.9
Cyclohexane	4.9	U	4.9
Carbon tetrachloride	4.9	U	4.9
2,2,4-Trimethylpentane	4.9	U	4.9
Benzene	4.9	U	4.9
1,2-Dichloroethane	4.9	U	4.9
n-Heptane	4.9	U	4.9
Trichloroethene	540		4.9
Methyl methacrylate	12	U	12
1,2-Dichloropropane	4.9	U	4.9
1,4-Dioxane	120	U	120
Bromodichloromethane	4.9	U	4.9
cis-1,3-Dichloropropene	4.9	U	4.9
methyl isobutyl ketone	12	U	12
Toluene	4.9	U	4.9
trans-1,3-Dichloropropene	4.9	U	4.9
1,1,2-Trichloroethane	4.9	U	4.9
Tetrachloroethene	4.9	U	4.9

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-20

Lab Sample ID: 200-5005-2

Date Sampled: 04/28/2011 1913

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj016.d
Dilution:	24.7			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2316			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2316			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	12	U	12
Dibromochloromethane	4.9	U	4.9
1,2-Dibromoethane	4.9	U	4.9
Chlorobenzene	4.9	U	4.9
Ethylbenzene	4.9	U	4.9
m,p-Xylene	12	U	12
Xylene, o-	4.9	U	4.9
Xylene (total)	4.9	U	4.9
Styrene	4.9	U	4.9
Bromoform	4.9	U	4.9
Cumene	4.9	U	4.9
1,1,2,2-Tetrachloroethane	4.9	U	4.9
n-Propylbenzene	4.9	U	4.9
4-Ethyltoluene	4.9	U	4.9
1,3,5-Trimethylbenzene	4.9	U	4.9
2-Chlorotoluene	4.9	U	4.9
tert-Butylbenzene	4.9	U	4.9
1,2,4-Trimethylbenzene	4.9	U	4.9
sec-Butylbenzene	4.9	U	4.9
4-Isopropyltoluene	4.9	U	4.9
1,3-Dichlorobenzene	4.9	U	4.9
1,4-Dichlorobenzene	4.9	U	4.9
Benzyl chloride	4.9	U	4.9
n-Butylbenzene	4.9	U	4.9
1,2-Dichlorobenzene	4.9	U	4.9
1,2,4-Trichlorobenzene	12	U	12
Hexachlorobutadiene	4.9	U	4.9
Naphthalene	12	U	12

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	61	U	61
Freon 22	44	U	44
1,2-Dichlorotetrafluoroethane	35	U	35
Chloromethane	26	U	26
n-Butane	29	U	29
Vinyl chloride	13	U	13
1,3-Butadiene	11	U	11
Bromomethane	19	U	19
Chloroethane	33	U	33
Bromoethene(Vinyl Bromide)	22	U	22
Trichlorofluoromethane	28	U	28
Freon TF	70		38
1,1-Dichloroethene	20	U	20
Acetone	290	U	290
Isopropyl alcohol	300	U	300
Carbon disulfide	38	U	38

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-20

Lab Sample ID: 200-5005-2

Date Sampled: 04/28/2011 1913

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj016.d
Dilution:	24.7			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2316			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2316			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	39	U	39
Methylene Chloride	43	U	43
tert-Butyl alcohol	370	U	370
Methyl tert-butyl ether	18	U	18
trans-1,2-Dichloroethene	20	U	20
n-Hexane	17	U	17
1,1-Dichloroethane	20	U	20
Methyl Ethyl Ketone	36	U	36
cis-1,2-Dichloroethene	20	U	20
1,2-Dichloroethene, Total	20	U	20
Chloroform	24	U	24
Tetrahydrofuran	360	U	360
1,1,1-Trichloroethane	3000		27
Cyclohexane	17	U	17
Carbon tetrachloride	31	U	31
2,2,4-Trimethylpentane	23	U	23
Benzene	16	U	16
1,2-Dichloroethane	20	U	20
n-Heptane	20	U	20
Trichloroethene	2900		27
Methyl methacrylate	51	U	51
1,2-Dichloropropane	23	U	23
1,4-Dioxane	450	U	450
Bromodichloromethane	33	U	33
cis-1,3-Dichloropropene	22	U	22
methyl isobutyl ketone	51	U	51
Toluene	19	U	19
trans-1,3-Dichloropropene	22	U	22
1,1,2-Trichloroethane	27	U	27
Tetrachloroethene	34	U	34
Methyl Butyl Ketone (2-Hexanone)	51	U	51
Dibromochloromethane	42	U	42
1,2-Dibromoethane	38	U	38
Chlorobenzene	23	U	23
Ethylbenzene	21	U	21
m,p-Xylene	54	U	54
Xylene, o-	21	U	21
Xylene (total)	21	U	21
Styrene	21	U	21
Bromoform	51	U	51
Cumene	24	U	24
1,1,2,2-Tetrachloroethane	34	U	34
n-Propylbenzene	24	U	24
4-Ethyltoluene	24	U	24
1,3,5-Trimethylbenzene	24	U	24
2-Chlorotoluene	26	U	26

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-20

Lab Sample ID: 200-5005-2

Date Sampled: 04/28/2011 1913

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj016.d
Dilution:	24.7			Initial Weight/Volume:	38 mL
Analysis Date:	05/05/2011 2316			Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 2316			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	27	U	27
1,2,4-Trimethylbenzene	24	U	24
sec-Butylbenzene	27	U	27
4-Isopropyltoluene	27	U	27
1,3-Dichlorobenzene	30	U	30
1,4-Dichlorobenzene	30	U	30
Benzyl chloride	26	U	26
n-Butylbenzene	27	U	27
1,2-Dichlorobenzene	30	U	30
1,2,4-Trichlorobenzene	92	U	92
Hexachlorobutadiene	53	U	53
Naphthalene	65	U	65

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-END

Lab Sample ID: 200-5005-3

Date Sampled: 04/28/2011 2050

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj017.d
Dilution:	20.1			Initial Weight/Volume:	45 mL
Analysis Date:	05/06/2011 0009			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0009			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	10	U	10
Freon 22	10	U	10
1,2-Dichlorotetrafluoroethane	4.0	U	4.0
Chloromethane	10	U	10
n-Butane	10	U	10
Vinyl chloride	4.0	U	4.0
1,3-Butadiene	4.0	U	4.0
Bromomethane	4.0	U	4.0
Chloroethane	10	U	10
Bromoethene(Vinyl Bromide)	4.0	U	4.0
Trichlorofluoromethane	4.0	U	4.0
Freon TF	6.6		4.0
1,1-Dichloroethene	4.0	U	4.0
Acetone	100	U	100
Isopropyl alcohol	100	U	100
Carbon disulfide	10	U	10
3-Chloropropene	10	U	10
Methylene Chloride	10	U	10
tert-Butyl alcohol	100	U	100
Methyl tert-butyl ether	4.0	U	4.0
trans-1,2-Dichloroethene	4.0	U	4.0
n-Hexane	4.0	U	4.0
1,1-Dichloroethane	4.0	U	4.0
Methyl Ethyl Ketone	10	U	10
cis-1,2-Dichloroethene	4.0	U	4.0
1,2-Dichloroethene, Total	4.0	U	4.0
Chloroform	4.0	U	4.0
Tetrahydrofuran	100	U	100
1,1,1-Trichloroethane	400		4.0
Cyclohexane	4.0	U	4.0
Carbon tetrachloride	4.0	U	4.0
2,2,4-Trimethylpentane	4.0	U	4.0
Benzene	4.0	U	4.0
1,2-Dichloroethane	4.0	U	4.0
n-Heptane	4.0	U	4.0
Trichloroethene	440		4.0
Methyl methacrylate	10	U	10
1,2-Dichloropropane	4.0	U	4.0
1,4-Dioxane	100	U	100
Bromodichloromethane	4.0	U	4.0
cis-1,3-Dichloropropene	4.0	U	4.0
methyl isobutyl ketone	10	U	10
Toluene	4.0	U	4.0
trans-1,3-Dichloropropene	4.0	U	4.0
1,1,2-Trichloroethane	4.0	U	4.0
Tetrachloroethene	4.0	U	4.0

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-END

Lab Sample ID: 200-5005-3

Date Sampled: 04/28/2011 2050

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj017.d
Dilution:	20.1			Initial Weight/Volume:	45 mL
Analysis Date:	05/06/2011 0009			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0009			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	10	U	10
Dibromochloromethane	4.0	U	4.0
1,2-Dibromoethane	4.0	U	4.0
Chlorobenzene	4.0	U	4.0
Ethylbenzene	4.0	U	4.0
m,p-Xylene	10	U	10
Xylene, o-	4.0	U	4.0
Xylene (total)	4.0	U	4.0
Styrene	4.0	U	4.0
Bromoform	4.0	U	4.0
Cumene	4.0	U	4.0
1,1,2,2-Tetrachloroethane	4.0	U	4.0
n-Propylbenzene	4.0	U	4.0
4-Ethyltoluene	4.0	U	4.0
1,3,5-Trimethylbenzene	4.0	U	4.0
2-Chlorotoluene	4.0	U	4.0
tert-Butylbenzene	4.0	U	4.0
1,2,4-Trimethylbenzene	4.0	U	4.0
sec-Butylbenzene	4.0	U	4.0
4-Isopropyltoluene	4.0	U	4.0
1,3-Dichlorobenzene	4.0	U	4.0
1,4-Dichlorobenzene	4.0	U	4.0
Benzyl chloride	4.0	U	4.0
n-Butylbenzene	4.0	U	4.0
1,2-Dichlorobenzene	4.0	U	4.0
1,2,4-Trichlorobenzene	10	U	10
Hexachlorobutadiene	4.0	U	4.0
Naphthalene	10	U	10

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	50	U	50
Freon 22	36	U	36
1,2-Dichlorotetrafluoroethane	28	U	28
Chloromethane	21	U	21
n-Butane	24	U	24
Vinyl chloride	10	U	10
1,3-Butadiene	8.9	U	8.9
Bromomethane	16	U	16
Chloroethane	27	U	27
Bromoethene(Vinyl Bromide)	18	U	18
Trichlorofluoromethane	23	U	23
Freon TF	51		31
1,1-Dichloroethene	16	U	16
Acetone	240	U	240
Isopropyl alcohol	250	U	250
Carbon disulfide	31	U	31

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-END

Lab Sample ID: 200-5005-3

Date Sampled: 04/28/2011 2050

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj017.d
Dilution:	20.1			Initial Weight/Volume:	45 mL
Analysis Date:	05/06/2011 0009			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0009			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	31	U	31
Methylene Chloride	35	U	35
tert-Butyl alcohol	300	U	300
Methyl tert-butyl ether	14	U	14
trans-1,2-Dichloroethene	16	U	16
n-Hexane	14	U	14
1,1-Dichloroethane	16	U	16
Methyl Ethyl Ketone	30	U	30
cis-1,2-Dichloroethene	16	U	16
1,2-Dichloroethene, Total	16	U	16
Chloroform	20	U	20
Tetrahydrofuran	300	U	300
1,1,1-Trichloroethane	2200		22
Cyclohexane	14	U	14
Carbon tetrachloride	25	U	25
2,2,4-Trimethylpentane	19	U	19
Benzene	13	U	13
1,2-Dichloroethane	16	U	16
n-Heptane	16	U	16
Trichloroethene	2400		22
Methyl methacrylate	41	U	41
1,2-Dichloropropane	19	U	19
1,4-Dioxane	360	U	360
Bromodichloromethane	27	U	27
cis-1,3-Dichloropropene	18	U	18
methyl isobutyl ketone	41	U	41
Toluene	15	U	15
trans-1,3-Dichloropropene	18	U	18
1,1,2-Trichloroethane	22	U	22
Tetrachloroethene	27	U	27
Methyl Butyl Ketone (2-Hexanone)	41	U	41
Dibromochloromethane	34	U	34
1,2-Dibromoethane	31	U	31
Chlorobenzene	18	U	18
Ethylbenzene	17	U	17
m,p-Xylene	44	U	44
Xylene, o-	17	U	17
Xylene (total)	17	U	17
Styrene	17	U	17
Bromoform	42	U	42
Cumene	20	U	20
1,1,2,2-Tetrachloroethane	28	U	28
n-Propylbenzene	20	U	20
4-Ethyltoluene	20	U	20
1,3,5-Trimethylbenzene	20	U	20
2-Chlorotoluene	21	U	21

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-118-END

Lab Sample ID: 200-5005-3

Date Sampled: 04/28/2011 2050

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj017.d
Dilution:	20.1			Initial Weight/Volume:	45 mL
Analysis Date:	05/06/2011 0009			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0009			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	22	U	22
1,2,4-Trimethylbenzene	20	U	20
sec-Butylbenzene	22	U	22
4-Isopropyltoluene	22	U	22
1,3-Dichlorobenzene	24	U	24
1,4-Dichlorobenzene	24	U	24
Benzyl chloride	21	U	21
n-Butylbenzene	22	U	22
1,2-Dichlorobenzene	24	U	24
1,2,4-Trichlorobenzene	75	U	75
Hexachlorobutadiene	43	U	43
Naphthalene	53	U	53

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-5

Lab Sample ID: 200-5005-4

Date Sampled: 04/29/2011 1121

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj024.d
Dilution:	678			Initial Weight/Volume:	58 mL
Analysis Date:	05/06/2011 0923			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0923			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	340	U	340
Freon 22	340	U	340
1,2-Dichlorotetrafluoroethane	140	U	140
Chloromethane	340	U	340
n-Butane	340	U	340
Vinyl chloride	140	U	140
1,3-Butadiene	140	U	140
Bromomethane	140	U	140
Chloroethane	340	U	340
Bromoethene(Vinyl Bromide)	140	U	140
Trichlorofluoromethane	140	U	140
Freon TF	140	U	140
1,1-Dichloroethene	140	U	140
Acetone	3400	U	3400
Isopropyl alcohol	3400	U	3400
Carbon disulfide	340	U	340
3-Chloropropene	340	U	340
Methylene Chloride	340	U	340
tert-Butyl alcohol	3400	U	3400
Methyl tert-butyl ether	140	U	140
trans-1,2-Dichloroethene	330		140
n-Hexane	140	U	140
1,1-Dichloroethane	140	U	140
Methyl Ethyl Ketone	340	U	340
cis-1,2-Dichloroethene	780		140
1,2-Dichloroethene, Total	1100		140
Chloroform	140	U	140
Tetrahydrofuran	3400	U	3400
1,1,1-Trichloroethane	200		140
Cyclohexane	140	U	140
Carbon tetrachloride	140	U	140
2,2,4-Trimethylpentane	140	U	140
Benzene	140	U	140
1,2-Dichloroethane	140	U	140
n-Heptane	140	U	140
Trichloroethene	21000		140
Methyl methacrylate	340	U	340
1,2-Dichloropropane	140	U	140
1,4-Dioxane	3400	U	3400
Bromodichloromethane	140	U	140
cis-1,3-Dichloropropene	140	U	140
methyl isobutyl ketone	340	U	340
Toluene	140	U	140
trans-1,3-Dichloropropene	140	U	140
1,1,2-Trichloroethane	140	U	140
Tetrachloroethene	180		140

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-5

Lab Sample ID: 200-5005-4

Date Sampled: 04/29/2011 1121

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj024.d
Dilution:	678			Initial Weight/Volume:	58 mL
Analysis Date:	05/06/2011 0923			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0923			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	340	U	340
Dibromochloromethane	140	U	140
1,2-Dibromoethane	140	U	140
Chlorobenzene	140	U	140
Ethylbenzene	140	U	140
m,p-Xylene	340	U	340
Xylene, o-	140	U	140
Xylene (total)	140	U	140
Styrene	140	U	140
Bromoform	140	U	140
Cumene	140	U	140
1,1,2,2-Tetrachloroethane	140	U	140
n-Propylbenzene	140	U	140
4-Ethyltoluene	140	U	140
1,3,5-Trimethylbenzene	140	U	140
2-Chlorotoluene	140	U	140
tert-Butylbenzene	140	U	140
1,2,4-Trimethylbenzene	140	U	140
sec-Butylbenzene	140	U	140
4-Isopropyltoluene	140	U	140
1,3-Dichlorobenzene	140	U	140
1,4-Dichlorobenzene	140	U	140
Benzyl chloride	140	U	140
n-Butylbenzene	140	U	140
1,2-Dichlorobenzene	140	U	140
1,2,4-Trichlorobenzene	340	U	340
Hexachlorobutadiene	140	U	140
Naphthalene	340	U	340

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	1700	U	1700
Freon 22	1200	U	1200
1,2-Dichlorotetrafluoroethane	950	U	950
Chloromethane	700	U	700
n-Butane	810	U	810
Vinyl chloride	350	U	350
1,3-Butadiene	300	U	300
Bromomethane	530	U	530
Chloroethane	890	U	890
Bromoethene(Vinyl Bromide)	590	U	590
Trichlorofluoromethane	760	U	760
Freon TF	1000	U	1000
1,1-Dichloroethene	540	U	540
Acetone	8100	U	8100
Isopropyl alcohol	8300	U	8300
Carbon disulfide	1100	U	1100

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-5

Lab Sample ID: 200-5005-4

Date Sampled: 04/29/2011 1121

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj024.d
Dilution:	678			Initial Weight/Volume:	58 mL
Analysis Date:	05/06/2011 0923			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0923			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1100	U	1100
Methylene Chloride	1200	U	1200
tert-Butyl alcohol	10000	U	10000
Methyl tert-butyl ether	490	U	490
trans-1,2-Dichloroethene	1300		540
n-Hexane	480	U	480
1,1-Dichloroethane	550	U	550
Methyl Ethyl Ketone	1000	U	1000
cis-1,2-Dichloroethene	3100		540
1,2-Dichloroethene, Total	4400		540
Chloroform	660	U	660
Tetrahydrofuran	10000	U	10000
1,1,1-Trichloroethane	1100		740
Cyclohexane	470	U	470
Carbon tetrachloride	850	U	850
2,2,4-Trimethylpentane	630	U	630
Benzene	430	U	430
1,2-Dichloroethane	550	U	550
n-Heptane	560	U	560
Trichloroethene	110000		730
Methyl methacrylate	1400	U	1400
1,2-Dichloropropane	630	U	630
1,4-Dioxane	12000	U	12000
Bromodichloromethane	910	U	910
cis-1,3-Dichloropropene	620	U	620
methyl isobutyl ketone	1400	U	1400
Toluene	510	U	510
trans-1,3-Dichloropropene	620	U	620
1,1,2-Trichloroethane	740	U	740
Tetrachloroethene	1200		920
Methyl Butyl Ketone (2-Hexanone)	1400	U	1400
Dibromochloromethane	1200	U	1200
1,2-Dibromoethane	1000	U	1000
Chlorobenzene	620	U	620
Ethylbenzene	590	U	590
m,p-Xylene	1500	U	1500
Xylene, o-	590	U	590
Xylene (total)	590	U	590
Styrene	580	U	580
Bromoform	1400	U	1400
Cumene	670	U	670
1,1,2,2-Tetrachloroethane	930	U	930
n-Propylbenzene	670	U	670
4-Ethyltoluene	670	U	670
1,3,5-Trimethylbenzene	670	U	670
2-Chlorotoluene	700	U	700

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-5

Lab Sample ID: 200-5005-4

Date Sampled: 04/29/2011 1121

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj024.d
Dilution:	678			Initial Weight/Volume:	58 mL
Analysis Date:	05/06/2011 0923			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0923			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	740	U	740
1,2,4-Trimethylbenzene	670	U	670
sec-Butylbenzene	740	U	740
4-Isopropyltoluene	740	U	740
1,3-Dichlorobenzene	820	U	820
1,4-Dichlorobenzene	820	U	820
Benzyl chloride	700	U	700
n-Butylbenzene	740	U	740
1,2-Dichlorobenzene	820	U	820
1,2,4-Trichlorobenzene	2500	U	2500
Hexachlorobutadiene	1400	U	1400
Naphthalene	1800	U	1800

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-20

Lab Sample ID: 200-5005-5

Date Sampled: 04/29/2011 1134

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak008.d
Dilution:	674			Initial Weight/Volume:	46 mL
Analysis Date:	05/06/2011 1702			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1702			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	340	U	340
Freon 22	340	U	340
1,2-Dichlorotetrafluoroethane	130	U	130
Chloromethane	340	U	340
n-Butane	340	U	340
Vinyl chloride	130	U	130
1,3-Butadiene	130	U	130
Bromomethane	130	U	130
Chloroethane	340	U	340
Bromoethene(Vinyl Bromide)	130	U	130
Trichlorofluoromethane	130	U	130
Freon TF	130	U	130
1,1-Dichloroethene	130	U	130
Acetone	3400	U	3400
Isopropyl alcohol	3400	U	3400
Carbon disulfide	340	U	340
3-Chloropropene	340	U	340
Methylene Chloride	340	U	340
tert-Butyl alcohol	3400	U	3400
Methyl tert-butyl ether	130	U	130
trans-1,2-Dichloroethene	260		130
n-Hexane	130	U	130
1,1-Dichloroethane	130	U	130
Methyl Ethyl Ketone	340	U	340
cis-1,2-Dichloroethene	720		130
1,2-Dichloroethene, Total	980		130
Chloroform	130	U	130
Tetrahydrofuran	3400	U	3400
1,1,1-Trichloroethane	130	U	130
Cyclohexane	130	U	130
Carbon tetrachloride	130	U	130
2,2,4-Trimethylpentane	130	U	130
Benzene	130	U	130
1,2-Dichloroethane	130	U	130
n-Heptane	130	U	130
Trichloroethene	18000		130
Methyl methacrylate	340	U	340
1,2-Dichloropropane	130	U	130
1,4-Dioxane	3400	U	3400
Bromodichloromethane	130	U	130
cis-1,3-Dichloropropene	130	U	130
methyl isobutyl ketone	340	U	340
Toluene	130	U	130
trans-1,3-Dichloropropene	130	U	130
1,1,2-Trichloroethane	130	U	130
Tetrachloroethene	130	U	130

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-20

Lab Sample ID: 200-5005-5

Date Sampled: 04/29/2011 1134

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak008.d
Dilution:	674			Initial Weight/Volume:	46 mL
Analysis Date:	05/06/2011 1702			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1702			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	340	U	340
Dibromochloromethane	130	U	130
1,2-Dibromoethane	130	U	130
Chlorobenzene	130	U	130
Ethylbenzene	130	U	130
m,p-Xylene	340	U	340
Xylene, o-	130	U	130
Xylene (total)	130	U	130
Styrene	130	U	130
Bromoform	130	U	130
Cumene	130	U	130
1,1,2,2-Tetrachloroethane	130	U	130
n-Propylbenzene	130	U	130
4-Ethyltoluene	130	U	130
1,3,5-Trimethylbenzene	130	U	130
2-Chlorotoluene	130	U	130
tert-Butylbenzene	130	U	130
1,2,4-Trimethylbenzene	130	U	130
sec-Butylbenzene	130	U	130
4-Isopropyltoluene	130	U	130
1,3-Dichlorobenzene	130	U	130
1,4-Dichlorobenzene	130	U	130
Benzyl chloride	130	U	130
n-Butylbenzene	130	U	130
1,2-Dichlorobenzene	130	U	130
1,2,4-Trichlorobenzene	340	U	340
Hexachlorobutadiene	130	U	130
Naphthalene	340	U	340

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	1700	U	1700
Freon 22	1200	U	1200
1,2-Dichlorotetrafluoroethane	940	U	940
Chloromethane	700	U	700
n-Butane	800	U	800
Vinyl chloride	340	U	340
1,3-Butadiene	300	U	300
Bromomethane	520	U	520
Chloroethane	890	U	890
Bromoethene(Vinyl Bromide)	590	U	590
Trichlorofluoromethane	760	U	760
Freon TF	1000	U	1000
1,1-Dichloroethene	530	U	530
Acetone	8000	U	8000
Isopropyl alcohol	8300	U	8300
Carbon disulfide	1000	U	1000

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-20

Lab Sample ID: 200-5005-5

Date Sampled: 04/29/2011 1134

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak008.d
Dilution:	674			Initial Weight/Volume:	46 mL
Analysis Date:	05/06/2011 1702			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1702			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1100	U	1100
Methylene Chloride	1200	U	1200
tert-Butyl alcohol	10000	U	10000
Methyl tert-butyl ether	490	U	490
trans-1,2-Dichloroethene	1000		530
n-Hexane	480	U	480
1,1-Dichloroethane	550	U	550
Methyl Ethyl Ketone	990	U	990
cis-1,2-Dichloroethene	2800		530
1,2-Dichloroethene, Total	3900		530
Chloroform	660	U	660
Tetrahydrofuran	9900	U	9900
1,1,1-Trichloroethane	740	U	740
Cyclohexane	460	U	460
Carbon tetrachloride	850	U	850
2,2,4-Trimethylpentane	630	U	630
Benzene	430	U	430
1,2-Dichloroethane	550	U	550
n-Heptane	550	U	550
Trichloroethene	97000		720
Methyl methacrylate	1400	U	1400
1,2-Dichloropropane	620	U	620
1,4-Dioxane	12000	U	12000
Bromodichloromethane	900	U	900
cis-1,3-Dichloropropene	610	U	610
methyl isobutyl ketone	1400	U	1400
Toluene	510	U	510
trans-1,3-Dichloropropene	610	U	610
1,1,2-Trichloroethane	740	U	740
Tetrachloroethene	910	U	910
Methyl Butyl Ketone (2-Hexanone)	1400	U	1400
Dibromochloromethane	1100	U	1100
1,2-Dibromoethane	1000	U	1000
Chlorobenzene	620	U	620
Ethylbenzene	590	U	590
m,p-Xylene	1500	U	1500
Xylene, o-	590	U	590
Xylene (total)	590	U	590
Styrene	570	U	570
Bromoform	1400	U	1400
Cumene	660	U	660
1,1,2,2-Tetrachloroethane	930	U	930
n-Propylbenzene	660	U	660
4-Ethyltoluene	660	U	660
1,3,5-Trimethylbenzene	660	U	660
2-Chlorotoluene	700	U	700

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-20

Lab Sample ID: 200-5005-5

Date Sampled: 04/29/2011 1134

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak008.d
Dilution:	674			Initial Weight/Volume:	46 mL
Analysis Date:	05/06/2011 1702			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1702			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	740	U	740
1,2,4-Trimethylbenzene	660	U	660
sec-Butylbenzene	740	U	740
4-Isopropyltoluene	740	U	740
1,3-Dichlorobenzene	810	U	810
1,4-Dichlorobenzene	810	U	810
Benzyl chloride	700	U	700
n-Butylbenzene	740	U	740
1,2-Dichlorobenzene	810	U	810
1,2,4-Trichlorobenzene	2500	U	2500
Hexachlorobutadiene	1400	U	1400
Naphthalene	1800	U	1800

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-END

Lab Sample ID: 200-5005-6

Date Sampled: 04/29/2011 1238

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak009.d
Dilution:	403			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 1755			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1755			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	200	U	200
Freon 22	200	U	200
1,2-Dichlorotetrafluoroethane	81	U	81
Chloromethane	200	U	200
n-Butane	200	U	200
Vinyl chloride	81	U	81
1,3-Butadiene	81	U	81
Bromomethane	81	U	81
Chloroethane	200	U	200
Bromoethene(Vinyl Bromide)	81	U	81
Trichlorofluoromethane	81	U	81
Freon TF	81	U	81
1,1-Dichloroethene	81	U	81
Acetone	2000	U	2000
Isopropyl alcohol	2000	U	2000
Carbon disulfide	200	U	200
3-Chloropropene	200	U	200
Methylene Chloride	200	U	200
tert-Butyl alcohol	2000	U	2000
Methyl tert-butyl ether	81	U	81
trans-1,2-Dichloroethene	140		81
n-Hexane	81	U	81
1,1-Dichloroethane	81	U	81
Methyl Ethyl Ketone	200	U	200
cis-1,2-Dichloroethene	380		81
1,2-Dichloroethene, Total	520		81
Chloroform	81	U	81
Tetrahydrofuran	2000	U	2000
1,1,1-Trichloroethane	81	U	81
Cyclohexane	81	U	81
Carbon tetrachloride	81	U	81
2,2,4-Trimethylpentane	81	U	81
Benzene	81	U	81
1,2-Dichloroethane	81	U	81
n-Heptane	81	U	81
Trichloroethene	9900		81
Methyl methacrylate	200	U	200
1,2-Dichloropropane	81	U	81
1,4-Dioxane	2000	U	2000
Bromodichloromethane	81	U	81
cis-1,3-Dichloropropene	81	U	81
methyl isobutyl ketone	200	U	200
Toluene	81	U	81
trans-1,3-Dichloropropene	81	U	81
1,1,2-Trichloroethane	81	U	81
Tetrachloroethene	81	U	81

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-END

Lab Sample ID: 200-5005-6

Date Sampled: 04/29/2011 1238

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak009.d
Dilution:	403			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 1755			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1755			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	200	U	200
Dibromochloromethane	81	U	81
1,2-Dibromoethane	81	U	81
Chlorobenzene	81	U	81
Ethylbenzene	81	U	81
m,p-Xylene	200	U	200
Xylene, o-	81	U	81
Xylene (total)	81	U	81
Styrene	81	U	81
Bromoform	81	U	81
Cumene	81	U	81
1,1,2,2-Tetrachloroethane	81	U	81
n-Propylbenzene	81	U	81
4-Ethyltoluene	81	U	81
1,3,5-Trimethylbenzene	81	U	81
2-Chlorotoluene	81	U	81
tert-Butylbenzene	81	U	81
1,2,4-Trimethylbenzene	81	U	81
sec-Butylbenzene	81	U	81
4-Isopropyltoluene	81	U	81
1,3-Dichlorobenzene	81	U	81
1,4-Dichlorobenzene	81	U	81
Benzyl chloride	81	U	81
n-Butylbenzene	81	U	81
1,2-Dichlorobenzene	81	U	81
1,2,4-Trichlorobenzene	200	U	200
Hexachlorobutadiene	81	U	81
Naphthalene	200	U	200

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	1000	U	1000
Freon 22	710	U	710
1,2-Dichlorotetrafluoroethane	560	U	560
Chloromethane	420	U	420
n-Butane	480	U	480
Vinyl chloride	210	U	210
1,3-Butadiene	180	U	180
Bromomethane	310	U	310
Chloroethane	530	U	530
Bromoethene(Vinyl Bromide)	350	U	350
Trichlorofluoromethane	450	U	450
Freon TF	620	U	620
1,1-Dichloroethene	320	U	320
Acetone	4800	U	4800
Isopropyl alcohol	5000	U	5000
Carbon disulfide	630	U	630

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-END

Lab Sample ID: 200-5005-6

Date Sampled: 04/29/2011 1238

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak009.d
Dilution:	403			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 1755			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1755			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	630	U	630
Methylene Chloride	700	U	700
tert-Butyl alcohol	6100	U	6100
Methyl tert-butyl ether	290	U	290
trans-1,2-Dichloroethene	570		320
n-Hexane	280	U	280
1,1-Dichloroethane	330	U	330
Methyl Ethyl Ketone	590	U	590
cis-1,2-Dichloroethene	1500		320
1,2-Dichloroethene, Total	2100		320
Chloroform	390	U	390
Tetrahydrofuran	5900	U	5900
1,1,1-Trichloroethane	440	U	440
Cyclohexane	280	U	280
Carbon tetrachloride	510	U	510
2,2,4-Trimethylpentane	380	U	380
Benzene	260	U	260
1,2-Dichloroethane	330	U	330
n-Heptane	330	U	330
Trichloroethene	53000		430
Methyl methacrylate	830	U	830
1,2-Dichloropropane	370	U	370
1,4-Dioxane	7300	U	7300
Bromodichloromethane	540	U	540
cis-1,3-Dichloropropene	370	U	370
methyl isobutyl ketone	830	U	830
Toluene	300	U	300
trans-1,3-Dichloropropene	370	U	370
1,1,2-Trichloroethane	440	U	440
Tetrachloroethene	550	U	550
Methyl Butyl Ketone (2-Hexanone)	830	U	830
Dibromochloromethane	690	U	690
1,2-Dibromoethane	620	U	620
Chlorobenzene	370	U	370
Ethylbenzene	350	U	350
m,p-Xylene	870	U	870
Xylene, o-	350	U	350
Xylene (total)	350	U	350
Styrene	340	U	340
Bromoform	830	U	830
Cumene	400	U	400
1,1,2,2-Tetrachloroethane	550	U	550
n-Propylbenzene	400	U	400
4-Ethyltoluene	400	U	400
1,3,5-Trimethylbenzene	400	U	400
2-Chlorotoluene	420	U	420

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-084-END

Lab Sample ID: 200-5005-6

Date Sampled: 04/29/2011 1238

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17703	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkak009.d
Dilution:	403			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 1755			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1755			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	440	U	440
1,2,4-Trimethylbenzene	400	U	400
sec-Butylbenzene	440	U	440
4-Isopropyltoluene	440	U	440
1,3-Dichlorobenzene	480	U	480
1,4-Dichlorobenzene	480	U	480
Benzyl chloride	420	U	420
n-Butylbenzene	440	U	440
1,2-Dichlorobenzene	480	U	480
1,2,4-Trichlorobenzene	1500	U	1500
Hexachlorobutadiene	860	U	860
Naphthalene	1100	U	1100

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-5

Lab Sample ID: 200-5005-7

Date Sampled: 04/29/2011 1506

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj021.d
Dilution:	19.9			Initial Weight/Volume:	49 mL
Analysis Date:	05/06/2011 0338			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0338			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	10	U	10
Freon 22	10	U	10
1,2-Dichlorotetrafluoroethane	4.0	U	4.0
Chloromethane	10	U	10
n-Butane	10	U	10
Vinyl chloride	4.0	U	4.0
1,3-Butadiene	4.0	U	4.0
Bromomethane	4.0	U	4.0
Chloroethane	10	U	10
Bromoethene(Vinyl Bromide)	4.0	U	4.0
Trichlorofluoromethane	5.8		4.0
Freon TF	19		4.0
1,1-Dichloroethene	4.0	U	4.0
Acetone	100	U	100
Isopropyl alcohol	100	U	100
Carbon disulfide	10	U	10
3-Chloropropene	10	U	10
Methylene Chloride	10	U	10
tert-Butyl alcohol	100	U	100
Methyl tert-butyl ether	4.0	U	4.0
trans-1,2-Dichloroethene	4.0	U	4.0
n-Hexane	4.0	U	4.0
1,1-Dichloroethane	4.0	U	4.0
Methyl Ethyl Ketone	10	U	10
cis-1,2-Dichloroethene	4.0	U	4.0
1,2-Dichloroethene, Total	4.0	U	4.0
Chloroform	4.0	U	4.0
Tetrahydrofuran	100	U	100
1,1,1-Trichloroethane	45		4.0
Cyclohexane	4.0	U	4.0
Carbon tetrachloride	4.0	U	4.0
2,2,4-Trimethylpentane	4.0	U	4.0
Benzene	4.0	U	4.0
1,2-Dichloroethane	4.0	U	4.0
n-Heptane	4.0	U	4.0
Trichloroethene	530		4.0
Methyl methacrylate	10	U	10
1,2-Dichloropropane	4.0	U	4.0
1,4-Dioxane	100	U	100
Bromodichloromethane	4.0	U	4.0
cis-1,3-Dichloropropene	4.0	U	4.0
methyl isobutyl ketone	10	U	10
Toluene	4.0	U	4.0
trans-1,3-Dichloropropene	4.0	U	4.0
1,1,2-Trichloroethane	4.0	U	4.0
Tetrachloroethene	4.0	U	4.0

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-5

Lab Sample ID: 200-5005-7

Date Sampled: 04/29/2011 1506

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj021.d
Dilution:	19.9			Initial Weight/Volume:	49 mL
Analysis Date:	05/06/2011 0338			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0338			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	10	U	10
Dibromochloromethane	4.0	U	4.0
1,2-Dibromoethane	4.0	U	4.0
Chlorobenzene	4.0	U	4.0
Ethylbenzene	4.0	U	4.0
m,p-Xylene	10	U	10
Xylene, o-	4.0	U	4.0
Xylene (total)	4.0	U	4.0
Styrene	4.0	U	4.0
Bromoform	4.0	U	4.0
Cumene	4.0	U	4.0
1,1,2,2-Tetrachloroethane	4.0	U	4.0
n-Propylbenzene	4.0	U	4.0
4-Ethyltoluene	4.0	U	4.0
1,3,5-Trimethylbenzene	4.0	U	4.0
2-Chlorotoluene	4.0	U	4.0
tert-Butylbenzene	4.0	U	4.0
1,2,4-Trimethylbenzene	4.0	U	4.0
sec-Butylbenzene	4.0	U	4.0
4-Isopropyltoluene	4.0	U	4.0
1,3-Dichlorobenzene	4.0	U	4.0
1,4-Dichlorobenzene	4.0	U	4.0
Benzyl chloride	4.0	U	4.0
n-Butylbenzene	4.0	U	4.0
1,2-Dichlorobenzene	4.0	U	4.0
1,2,4-Trichlorobenzene	10	U	10
Hexachlorobutadiene	4.0	U	4.0
Naphthalene	10	U	10

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	49	U	49
Freon 22	35	U	35
1,2-Dichlorotetrafluoroethane	28	U	28
Chloromethane	21	U	21
n-Butane	24	U	24
Vinyl chloride	10	U	10
1,3-Butadiene	8.8	U	8.8
Bromomethane	15	U	15
Chloroethane	26	U	26
Bromoethene(Vinyl Bromide)	17	U	17
Trichlorofluoromethane	32		22
Freon TF	150		31
1,1-Dichloroethene	16	U	16
Acetone	240	U	240
Isopropyl alcohol	240	U	240
Carbon disulfide	31	U	31

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-5

Lab Sample ID: 200-5005-7

Date Sampled: 04/29/2011 1506

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj021.d
Dilution:	19.9			Initial Weight/Volume:	49 mL
Analysis Date:	05/06/2011 0338			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0338			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	31	U	31
Methylene Chloride	35	U	35
tert-Butyl alcohol	300	U	300
Methyl tert-butyl ether	14	U	14
trans-1,2-Dichloroethene	16	U	16
n-Hexane	14	U	14
1,1-Dichloroethane	16	U	16
Methyl Ethyl Ketone	29	U	29
cis-1,2-Dichloroethene	16	U	16
1,2-Dichloroethene, Total	16	U	16
Chloroform	19	U	19
Tetrahydrofuran	290	U	290
1,1,1-Trichloroethane	240		22
Cyclohexane	14	U	14
Carbon tetrachloride	25	U	25
2,2,4-Trimethylpentane	19	U	19
Benzene	13	U	13
1,2-Dichloroethane	16	U	16
n-Heptane	16	U	16
Trichloroethene	2800		21
Methyl methacrylate	41	U	41
1,2-Dichloropropane	18	U	18
1,4-Dioxane	360	U	360
Bromodichloromethane	27	U	27
cis-1,3-Dichloropropene	18	U	18
methyl isobutyl ketone	41	U	41
Toluene	15	U	15
trans-1,3-Dichloropropene	18	U	18
1,1,2-Trichloroethane	22	U	22
Tetrachloroethene	27	U	27
Methyl Butyl Ketone (2-Hexanone)	41	U	41
Dibromochloromethane	34	U	34
1,2-Dibromoethane	31	U	31
Chlorobenzene	18	U	18
Ethylbenzene	17	U	17
m,p-Xylene	43	U	43
Xylene, o-	17	U	17
Xylene (total)	17	U	17
Styrene	17	U	17
Bromoform	41	U	41
Cumene	20	U	20
1,1,2,2-Tetrachloroethane	27	U	27
n-Propylbenzene	20	U	20
4-Ethyltoluene	20	U	20
1,3,5-Trimethylbenzene	20	U	20
2-Chlorotoluene	21	U	21

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-5

Lab Sample ID: 200-5005-7

Date Sampled: 04/29/2011 1506

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj021.d
Dilution:	19.9			Initial Weight/Volume:	49 mL
Analysis Date:	05/06/2011 0338			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0338			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	22	U	22
1,2,4-Trimethylbenzene	20	U	20
sec-Butylbenzene	22	U	22
4-Isopropyltoluene	22	U	22
1,3-Dichlorobenzene	24	U	24
1,4-Dichlorobenzene	24	U	24
Benzyl chloride	21	U	21
n-Butylbenzene	22	U	22
1,2-Dichlorobenzene	24	U	24
1,2,4-Trichlorobenzene	74	U	74
Hexachlorobutadiene	42	U	42
Naphthalene	52	U	52

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-20

Lab Sample ID: 200-5005-8

Date Sampled: 04/29/2011 1521

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj022.d
Dilution:	25			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 0431			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0431			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	12	U	12
Freon 22	12	U	12
1,2-Dichlorotetrafluoroethane	5.0	U	5.0
Chloromethane	12	U	12
n-Butane	12	U	12
Vinyl chloride	5.0	U	5.0
1,3-Butadiene	5.0	U	5.0
Bromomethane	5.0	U	5.0
Chloroethane	12	U	12
Bromoethene(Vinyl Bromide)	5.0	U	5.0
Trichlorofluoromethane	6.0		5.0
Freon TF	21		5.0
1,1-Dichloroethene	5.0	U	5.0
Acetone	120	U	120
Isopropyl alcohol	120	U	120
Carbon disulfide	12	U	12
3-Chloropropene	12	U	12
Methylene Chloride	12	U	12
tert-Butyl alcohol	120	U	120
Methyl tert-butyl ether	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	5.0
n-Hexane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
Methyl Ethyl Ketone	12	U	12
cis-1,2-Dichloroethene	5.0	U	5.0
1,2-Dichloroethene, Total	5.0	U	5.0
Chloroform	5.0	U	5.0
Tetrahydrofuran	120	U	120
1,1,1-Trichloroethane	50		5.0
Cyclohexane	5.0	U	5.0
Carbon tetrachloride	5.0	U	5.0
2,2,4-Trimethylpentane	5.0	U	5.0
Benzene	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
n-Heptane	5.0	U	5.0
Trichloroethene	620		5.0
Methyl methacrylate	12	U	12
1,2-Dichloropropane	5.0	U	5.0
1,4-Dioxane	120	U	120
Bromodichloromethane	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
methyl isobutyl ketone	12	U	12
Toluene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Tetrachloroethene	5.0	U	5.0

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-20

Lab Sample ID: 200-5005-8

Date Sampled: 04/29/2011 1521

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj022.d
Dilution:	25			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 0431			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0431			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	12	U	12
Dibromochloromethane	5.0	U	5.0
1,2-Dibromoethane	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
m,p-Xylene	12	U	12
Xylene, o-	5.0	U	5.0
Xylene (total)	5.0	U	5.0
Styrene	5.0	U	5.0
Bromoform	5.0	U	5.0
Cumene	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0
n-Propylbenzene	5.0	U	5.0
4-Ethyltoluene	5.0	U	5.0
1,3,5-Trimethylbenzene	5.0	U	5.0
2-Chlorotoluene	5.0	U	5.0
tert-Butylbenzene	5.0	U	5.0
1,2,4-Trimethylbenzene	5.0	U	5.0
sec-Butylbenzene	5.0	U	5.0
4-Isopropyltoluene	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	5.0
Benzyl chloride	5.0	U	5.0
n-Butylbenzene	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	5.0
1,2,4-Trichlorobenzene	12	U	12
Hexachlorobutadiene	5.0	U	5.0
Naphthalene	12	U	12

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	62	U	62
Freon 22	44	U	44
1,2-Dichlorotetrafluoroethane	35	U	35
Chloromethane	26	U	26
n-Butane	30	U	30
Vinyl chloride	13	U	13
1,3-Butadiene	11	U	11
Bromomethane	19	U	19
Chloroethane	33	U	33
Bromoethene(Vinyl Bromide)	22	U	22
Trichlorofluoromethane	33		28
Freon TF	160		38
1,1-Dichloroethene	20	U	20
Acetone	300	U	300
Isopropyl alcohol	310	U	310
Carbon disulfide	39	U	39

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-20

Lab Sample ID: 200-5005-8

Date Sampled: 04/29/2011 1521

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj022.d
Dilution:	25			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 0431			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0431			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	39	U	39
Methylene Chloride	43	U	43
tert-Butyl alcohol	380	U	380
Methyl tert-butyl ether	18	U	18
trans-1,2-Dichloroethene	20	U	20
n-Hexane	18	U	18
1,1-Dichloroethane	20	U	20
Methyl Ethyl Ketone	37	U	37
cis-1,2-Dichloroethene	20	U	20
1,2-Dichloroethene, Total	20	U	20
Chloroform	24	U	24
Tetrahydrofuran	370	U	370
1,1,1-Trichloroethane	270		27
Cyclohexane	17	U	17
Carbon tetrachloride	31	U	31
2,2,4-Trimethylpentane	23	U	23
Benzene	16	U	16
1,2-Dichloroethane	20	U	20
n-Heptane	20	U	20
Trichloroethene	3400		27
Methyl methacrylate	51	U	51
1,2-Dichloropropane	23	U	23
1,4-Dioxane	450	U	450
Bromodichloromethane	34	U	34
cis-1,3-Dichloropropene	23	U	23
methyl isobutyl ketone	51	U	51
Toluene	19	U	19
trans-1,3-Dichloropropene	23	U	23
1,1,2-Trichloroethane	27	U	27
Tetrachloroethene	34	U	34
Methyl Butyl Ketone (2-Hexanone)	51	U	51
Dibromochloromethane	43	U	43
1,2-Dibromoethane	38	U	38
Chlorobenzene	23	U	23
Ethylbenzene	22	U	22
m,p-Xylene	54	U	54
Xylene, o-	22	U	22
Xylene (total)	22	U	22
Styrene	21	U	21
Bromoform	52	U	52
Cumene	25	U	25
1,1,2,2-Tetrachloroethane	34	U	34
n-Propylbenzene	25	U	25
4-Ethyltoluene	25	U	25
1,3,5-Trimethylbenzene	25	U	25
2-Chlorotoluene	26	U	26

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-20

Lab Sample ID: 200-5005-8

Client Matrix: Air

Date Sampled: 04/29/2011 1521

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj022.d
Dilution:	25			Initial Weight/Volume:	37 mL
Analysis Date:	05/06/2011 0431			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0431			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	27	U	27
1,2,4-Trimethylbenzene	25	U	25
sec-Butylbenzene	27	U	27
4-Isopropyltoluene	27	U	27
1,3-Dichlorobenzene	30	U	30
1,4-Dichlorobenzene	30	U	30
Benzyl chloride	26	U	26
n-Butylbenzene	27	U	27
1,2-Dichlorobenzene	30	U	30
1,2,4-Trichlorobenzene	93	U	93
Hexachlorobutadiene	53	U	53
Naphthalene	66	U	66

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-END

Lab Sample ID: 200-5005-9

Date Sampled: 04/29/2011 1643

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj023.d
Dilution:	24.9			Initial Weight/Volume:	36 mL
Analysis Date:	05/06/2011 0523			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0523			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	12	U	12
Freon 22	12	U	12
1,2-Dichlorotetrafluoroethane	5.0	U	5.0
Chloromethane	12	U	12
n-Butane	12	U	12
Vinyl chloride	5.0	U	5.0
1,3-Butadiene	5.0	U	5.0
Bromomethane	5.0	U	5.0
Chloroethane	12	U	12
Bromoethene(Vinyl Bromide)	5.0	U	5.0
Trichlorofluoromethane	5.0	U	5.0
Freon TF	17		5.0
1,1-Dichloroethene	5.0	U	5.0
Acetone	120	U	120
Isopropyl alcohol	120	U	120
Carbon disulfide	12	U	12
3-Chloropropene	12	U	12
Methylene Chloride	12	U	12
tert-Butyl alcohol	120	U	120
Methyl tert-butyl ether	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	5.0
n-Hexane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
Methyl Ethyl Ketone	12	U	12
cis-1,2-Dichloroethene	5.0	U	5.0
1,2-Dichloroethene, Total	5.0	U	5.0
Chloroform	5.0	U	5.0
Tetrahydrofuran	120	U	120
1,1,1-Trichloroethane	50		5.0
Cyclohexane	5.0	U	5.0
Carbon tetrachloride	5.0	U	5.0
2,2,4-Trimethylpentane	5.0	U	5.0
Benzene	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
n-Heptane	5.0	U	5.0
Trichloroethene	680		5.0
Methyl methacrylate	12	U	12
1,2-Dichloropropane	5.0	U	5.0
1,4-Dioxane	120	U	120
Bromodichloromethane	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
methyl isobutyl ketone	12	U	12
Toluene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Tetrachloroethene	5.0	U	5.0

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-END

Lab Sample ID: 200-5005-9

Date Sampled: 04/29/2011 1643

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj023.d
Dilution:	24.9			Initial Weight/Volume:	36 mL
Analysis Date:	05/06/2011 0523			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0523			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	12	U	12
Dibromochloromethane	5.0	U	5.0
1,2-Dibromoethane	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
m,p-Xylene	12	U	12
Xylene, o-	5.0	U	5.0
Xylene (total)	5.0	U	5.0
Styrene	5.0	U	5.0
Bromoform	5.0	U	5.0
Cumene	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0
n-Propylbenzene	5.0	U	5.0
4-Ethyltoluene	5.0	U	5.0
1,3,5-Trimethylbenzene	5.0	U	5.0
2-Chlorotoluene	5.0	U	5.0
tert-Butylbenzene	5.0	U	5.0
1,2,4-Trimethylbenzene	5.0	U	5.0
sec-Butylbenzene	5.0	U	5.0
4-Isopropyltoluene	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	5.0
Benzyl chloride	5.0	U	5.0
n-Butylbenzene	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	5.0
1,2,4-Trichlorobenzene	12	U	12
Hexachlorobutadiene	5.0	U	5.0
Naphthalene	12	U	12

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	62	U	62
Freon 22	44	U	44
1,2-Dichlorotetrafluoroethane	35	U	35
Chloromethane	26	U	26
n-Butane	30	U	30
Vinyl chloride	13	U	13
1,3-Butadiene	11	U	11
Bromomethane	19	U	19
Chloroethane	33	U	33
Bromoethene(Vinyl Bromide)	22	U	22
Trichlorofluoromethane	28	U	28
Freon TF	130		38
1,1-Dichloroethene	20	U	20
Acetone	300	U	300
Isopropyl alcohol	310	U	310
Carbon disulfide	39	U	39

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-END

Lab Sample ID: 200-5005-9

Date Sampled: 04/29/2011 1643

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj023.d
Dilution:	24.9			Initial Weight/Volume:	36 mL
Analysis Date:	05/06/2011 0523			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0523			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	39	U	39
Methylene Chloride	43	U	43
tert-Butyl alcohol	380	U	380
Methyl tert-butyl ether	18	U	18
trans-1,2-Dichloroethene	20	U	20
n-Hexane	18	U	18
1,1-Dichloroethane	20	U	20
Methyl Ethyl Ketone	37	U	37
cis-1,2-Dichloroethene	20	U	20
1,2-Dichloroethene, Total	20	U	20
Chloroform	24	U	24
Tetrahydrofuran	370	U	370
1,1,1-Trichloroethane	270		27
Cyclohexane	17	U	17
Carbon tetrachloride	31	U	31
2,2,4-Trimethylpentane	23	U	23
Benzene	16	U	16
1,2-Dichloroethane	20	U	20
n-Heptane	20	U	20
Trichloroethene	3700		27
Methyl methacrylate	51	U	51
1,2-Dichloropropane	23	U	23
1,4-Dioxane	450	U	450
Bromodichloromethane	33	U	33
cis-1,3-Dichloropropene	23	U	23
methyl isobutyl ketone	51	U	51
Toluene	19	U	19
trans-1,3-Dichloropropene	23	U	23
1,1,2-Trichloroethane	27	U	27
Tetrachloroethene	34	U	34
Methyl Butyl Ketone (2-Hexanone)	51	U	51
Dibromochloromethane	42	U	42
1,2-Dibromoethane	38	U	38
Chlorobenzene	23	U	23
Ethylbenzene	22	U	22
m,p-Xylene	54	U	54
Xylene, o-	22	U	22
Xylene (total)	22	U	22
Styrene	21	U	21
Bromoform	51	U	51
Cumene	24	U	24
1,1,2,2-Tetrachloroethane	34	U	34
n-Propylbenzene	24	U	24
4-Ethyltoluene	24	U	24
1,3,5-Trimethylbenzene	24	U	24
2-Chlorotoluene	26	U	26

Analytical Data

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Client Sample ID: SL-022-END

Lab Sample ID: 200-5005-9

Date Sampled: 04/29/2011 1643

Client Matrix: Air

Date Received: 05/03/2011 1020

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-17603	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkaj023.d
Dilution:	24.9			Initial Weight/Volume:	36 mL
Analysis Date:	05/06/2011 0523			Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 0523			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	27	U	27
1,2,4-Trimethylbenzene	24	U	24
sec-Butylbenzene	27	U	27
4-Isopropyltoluene	27	U	27
1,3-Dichlorobenzene	30	U	30
1,4-Dichlorobenzene	30	U	30
Benzyl chloride	26	U	26
n-Butylbenzene	27	U	27
1,2-Dichlorobenzene	30	U	30
1,2,4-Trichlorobenzene	92	U	92
Hexachlorobutadiene	53	U	53
Naphthalene	65	U	65

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17603/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 05/05/2011 1227
Prep Date: 05/05/2011 1227
Leach Date: N/A

Analysis Batch: 200-17603
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: B.i
Lab File ID: bkaj004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17603/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 05/05/2011 1227
 Prep Date: 05/05/2011 1227
 Leach Date: N/A

Analysis Batch: 200-17603
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkaj004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	0.20	U	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.20	U	0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17603/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 05/05/2011 1227
Prep Date: 05/05/2011 1227
Leach Date: N/A

Analysis Batch: 200-17603
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: B.i
Lab File ID: bkaj004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	1.1	U	1.1
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17603/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 05/05/2011 1227
Prep Date: 05/05/2011 1227
Leach Date: N/A

Analysis Batch: 200-17603
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: B.i
Lab File ID: bkaj004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	0.87	U	0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Control Sample - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-17603/3	Analysis Batch:	200-17603	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkaj003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/05/2011 1137	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 1137			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.1	101	70 - 130	
Freon 22	10.0	8.89	89	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.99	100	70 - 130	
Chloromethane	10.0	8.51	85	70 - 130	
n-Butane	10.0	7.97	80	70 - 130	
Vinyl chloride	10.0	9.23	92	70 - 130	
1,3-Butadiene	10.0	9.16	92	70 - 130	
Bromomethane	10.0	9.43	94	70 - 130	
Chloroethane	10.0	8.95	90	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70 - 130	
Trichlorofluoromethane	10.0	10.4	104	70 - 130	
Freon TF	10.0	11.0	110	70 - 130	
1,1-Dichloroethene	10.0	11.0	110	70 - 130	
Acetone	10.0	9.61	96	70 - 130	
Isopropyl alcohol	10.0	8.59	86	70 - 130	
Carbon disulfide	10.0	10.1	101	70 - 130	
3-Chloropropene	10.0	8.57	86	70 - 130	
Methylene Chloride	10.0	9.37	94	70 - 130	
tert-Butyl alcohol	10.0	9.29	93	70 - 130	
Methyl tert-butyl ether	10.0	9.91	99	70 - 130	
trans-1,2-Dichloroethene	10.0	9.40	94	70 - 130	
n-Hexane	10.0	9.04	90	70 - 130	
1,1-Dichloroethane	10.0	9.50	95	70 - 130	
Methyl Ethyl Ketone	10.0	10.0	100	70 - 130	
cis-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
Chloroform	10.0	10.1	101	70 - 130	
Tetrahydrofuran	10.0	8.84	88	70 - 130	
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130	
Cyclohexane	10.0	9.75	98	70 - 130	
Carbon tetrachloride	10.0	10.2	102	70 - 130	
2,2,4-Trimethylpentane	10.0	9.28	93	70 - 130	
Benzene	10.0	9.88	99	70 - 130	
1,2-Dichloroethane	10.0	9.39	94	70 - 130	
n-Heptane	10.0	8.54	85	70 - 130	
Trichloroethene	10.0	10.1	101	70 - 130	
Methyl methacrylate	10.0	9.61	96	70 - 130	
1,2-Dichloropropane	10.0	9.20	92	70 - 130	
1,4-Dioxane	10.0	9.02	90	70 - 130	
Bromodichloromethane	10.0	10.5	105	70 - 130	
cis-1,3-Dichloropropene	10.0	9.55	95	70 - 130	
methyl isobutyl ketone	10.0	8.83	88	70 - 130	
Toluene	10.0	9.79	98	70 - 130	
trans-1,3-Dichloropropene	10.0	9.64	96	70 - 130	
1,1,2-Trichloroethane	10.0	9.33	93	70 - 130	
Tetrachloroethene	10.0	10.2	102	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.64	86	70 - 130	

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Control Sample - Batch: 200-17603

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-17603/3	Analysis Batch:	200-17603	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkaj003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/05/2011 1137	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	05/05/2011 1137			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.7	107	70 - 130	
1,2-Dibromoethane	10.0	9.90	99	70 - 130	
Chlorobenzene	10.0	9.44	94	70 - 130	
Ethylbenzene	10.0	9.86	99	70 - 130	
m,p-Xylene	20.0	19.8	99	70 - 130	
Xylene, o-	10.0	9.66	97	70 - 130	
Styrene	10.0	10.1	101	70 - 130	
Bromoform	10.0	11.4	114	70 - 130	
Cumene	10.0	10.2	102	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.50	95	70 - 130	
n-Propylbenzene	10.0	10.4	104	70 - 130	
4-Ethyltoluene	10.0	10.5	105	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.93	99	70 - 130	
2-Chlorotoluene	10.0	10.2	102	70 - 130	
tert-Butylbenzene	10.0	10.0	100	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.84	98	70 - 130	
sec-Butylbenzene	10.0	10.2	102	70 - 130	
4-Isopropyltoluene	10.0	10.3	103	70 - 130	
1,3-Dichlorobenzene	10.0	10.2	102	70 - 130	
1,4-Dichlorobenzene	10.0	10.1	101	70 - 130	
Benzyl chloride	10.0	9.42	94	70 - 130	
n-Butylbenzene	10.0	10.6	106	70 - 130	
1,2-Dichlorobenzene	10.0	9.79	98	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.3	103	70 - 130	
Hexachlorobutadiene	10.0	10.7	107	70 - 130	
Naphthalene	10.0	10.5	105	70 - 130	

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17703/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 05/06/2011 1425
 Prep Date: 05/06/2011 1425
 Leach Date: N/A

Analysis Batch: 200-17703
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkak005.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17703/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 05/06/2011 1425
 Prep Date: 05/06/2011 1425
 Leach Date: N/A

Analysis Batch: 200-17703
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkak005.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	0.20	U	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.20	U	0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17703/5
Client Matrix: Air
Dilution: 1.0
Analysis Date: 05/06/2011 1425
Prep Date: 05/06/2011 1425
Leach Date: N/A

Analysis Batch: 200-17703
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: B.i
Lab File ID: bkak005.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	1.1	U	1.1
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Method Blank - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-17703/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 05/06/2011 1425
 Prep Date: 05/06/2011 1425
 Leach Date: N/A

Analysis Batch: 200-17703
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: B.i
 Lab File ID: bkak005.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	0.87	U	0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Control Sample - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-17703/4	Analysis Batch:	200-17703	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkak004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/06/2011 1334	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1334			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.0	110	70 - 130	
Freon 22	10.0	9.54	95	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70 - 130	
Chloromethane	10.0	9.16	92	70 - 130	
n-Butane	10.0	8.60	86	70 - 130	
Vinyl chloride	10.0	10.1	101	70 - 130	
1,3-Butadiene	10.0	9.78	98	70 - 130	
Bromomethane	10.0	10.2	102	70 - 130	
Chloroethane	10.0	9.69	97	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.8	108	70 - 130	
Trichlorofluoromethane	10.0	11.1	111	70 - 130	
Freon TF	10.0	11.3	113	70 - 130	
1,1-Dichloroethene	10.0	11.4	114	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Isopropyl alcohol	10.0	9.12	91	70 - 130	
Carbon disulfide	10.0	10.5	105	70 - 130	
3-Chloropropene	10.0	9.20	92	70 - 130	
Methylene Chloride	10.0	10.0	100	70 - 130	
tert-Butyl alcohol	10.0	9.67	97	70 - 130	
Methyl tert-butyl ether	10.0	10.4	104	70 - 130	
trans-1,2-Dichloroethene	10.0	9.89	99	70 - 130	
n-Hexane	10.0	9.59	96	70 - 130	
1,1-Dichloroethane	10.0	9.93	99	70 - 130	
Methyl Ethyl Ketone	10.0	10.4	104	70 - 130	
cis-1,2-Dichloroethene	10.0	10.8	108	70 - 130	
Chloroform	10.0	10.5	105	70 - 130	
Tetrahydrofuran	10.0	9.34	93	70 - 130	
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130	
Cyclohexane	10.0	10.1	101	70 - 130	
Carbon tetrachloride	10.0	10.5	105	70 - 130	
2,2,4-Trimethylpentane	10.0	9.77	98	70 - 130	
Benzene	10.0	10.2	102	70 - 130	
1,2-Dichloroethane	10.0	9.96	100	70 - 130	
n-Heptane	10.0	9.05	90	70 - 130	
Trichloroethene	10.0	10.4	104	70 - 130	
Methyl methacrylate	10.0	10.0	100	70 - 130	
1,2-Dichloropropane	10.0	9.61	96	70 - 130	
1,4-Dioxane	10.0	9.22	92	70 - 130	
Bromodichloromethane	10.0	10.8	108	70 - 130	
cis-1,3-Dichloropropene	10.0	9.82	98	70 - 130	
methyl isobutyl ketone	10.0	9.38	94	70 - 130	
Toluene	10.0	10.1	101	70 - 130	
trans-1,3-Dichloropropene	10.0	10.0	100	70 - 130	
1,1,2-Trichloroethane	10.0	9.69	97	70 - 130	
Tetrachloroethene	10.0	10.2	102	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.29	93	70 - 130	

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Control Sample - Batch: 200-17703

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-17703/4	Analysis Batch:	200-17703	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkak004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/06/2011 1334	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	05/06/2011 1334			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.9	109	70 - 130	
1,2-Dibromoethane	10.0	10.3	103	70 - 130	
Chlorobenzene	10.0	9.66	97	70 - 130	
Ethylbenzene	10.0	10.2	102	70 - 130	
m,p-Xylene	20.0	20.5	103	70 - 130	
Xylene, o-	10.0	9.98	100	70 - 130	
Styrene	10.0	10.5	105	70 - 130	
Bromoform	10.0	11.6	116	70 - 130	
Cumene	10.0	10.5	105	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.91	99	70 - 130	
n-Propylbenzene	10.0	10.9	109	70 - 130	
4-Ethyltoluene	10.0	10.9	109	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70 - 130	
2-Chlorotoluene	10.0	10.7	107	70 - 130	
tert-Butylbenzene	10.0	10.4	104	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70 - 130	
sec-Butylbenzene	10.0	10.5	105	70 - 130	
4-Isopropyltoluene	10.0	10.6	106	70 - 130	
1,3-Dichlorobenzene	10.0	10.3	103	70 - 130	
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130	
Benzyl chloride	10.0	9.79	98	70 - 130	
n-Butylbenzene	10.0	11.2	112	70 - 130	
1,2-Dichlorobenzene	10.0	9.88	99	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70 - 130	
Hexachlorobutadiene	10.0	10.7	107	70 - 130	
Naphthalene	10.0	10.5	105	70 - 130	

DATA REPORTING QUALIFIERS

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

Sdg Number: 200-5005

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-17603					
LCS 200-17603/3	Lab Control Sample	T	Air	TO-15	
MB 200-17603/4	Method Blank	T	Air	TO-15	
200-5005-1	SL-118-5	T	Air	TO-15	
200-5005-2	SL-118-20	T	Air	TO-15	
200-5005-3	SL-118-END	T	Air	TO-15	
200-5005-4	SL-084-5	T	Air	TO-15	
200-5005-7	SL-022-5	T	Air	TO-15	
200-5005-8	SL-022-20	T	Air	TO-15	
200-5005-9	SL-022-END	T	Air	TO-15	
Analysis Batch:200-17703					
LCS 200-17703/4	Lab Control Sample	T	Air	TO-15	
MB 200-17703/5	Method Blank	T	Air	TO-15	
200-5005-5	SL-084-20	T	Air	TO-15	
200-5005-6	SL-084-END	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

SDG: 200-5005

Laboratory Chronicle

Lab ID: 200-5005-1

Client ID: SL-118-5

Sample Date/Time: 04/28/2011 18:59

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-1		200-17603		05/05/2011 22:24	25.1	TAL BUR	PAD
A:TO-15	200-5005-A-1		200-17603		05/05/2011 22:24	25.1	TAL BUR	PAD

Lab ID: 200-5005-2

Client ID: SL-118-20

Sample Date/Time: 04/28/2011 19:13

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-2		200-17603		05/05/2011 23:16	24.7	TAL BUR	PAD
A:TO-15	200-5005-A-2		200-17603		05/05/2011 23:16	24.7	TAL BUR	PAD

Lab ID: 200-5005-3

Client ID: SL-118-END

Sample Date/Time: 04/28/2011 20:50

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-3		200-17603		05/06/2011 00:09	20.1	TAL BUR	PAD
A:TO-15	200-5005-A-3		200-17603		05/06/2011 00:09	20.1	TAL BUR	PAD

Lab ID: 200-5005-4

Client ID: SL-084-5

Sample Date/Time: 04/29/2011 11:21

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-4		200-17603		05/06/2011 09:23	678	TAL BUR	PAD
A:TO-15	200-5005-A-4		200-17603		05/06/2011 09:23	678	TAL BUR	PAD

Lab ID: 200-5005-5

Client ID: SL-084-20

Sample Date/Time: 04/29/2011 11:34

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-5		200-17703		05/06/2011 17:02	674	TAL BUR	PAD
A:TO-15	200-5005-A-5		200-17703		05/06/2011 17:02	674	TAL BUR	PAD

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

SDG: 200-5005

Laboratory Chronicle

Lab ID: 200-5005-6

Client ID: SL-084-END

Sample Date/Time: 04/29/2011 12:38

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-6		200-17703		05/06/2011 17:55	403	TAL BUR	PAD
A:TO-15	200-5005-A-6		200-17703		05/06/2011 17:55	403	TAL BUR	PAD

Lab ID: 200-5005-7

Client ID: SL-022-5

Sample Date/Time: 04/29/2011 15:06

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-7		200-17603		05/06/2011 03:38	19.9	TAL BUR	PAD
A:TO-15	200-5005-A-7		200-17603		05/06/2011 03:38	19.9	TAL BUR	PAD

Lab ID: 200-5005-8

Client ID: SL-022-20

Sample Date/Time: 04/29/2011 15:21

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-8		200-17603		05/06/2011 04:31	25	TAL BUR	PAD
A:TO-15	200-5005-A-8		200-17603		05/06/2011 04:31	25	TAL BUR	PAD

Lab ID: 200-5005-9

Client ID: SL-022-END

Sample Date/Time: 04/29/2011 16:43

Received Date/Time: 05/03/2011 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-5005-A-9		200-17603		05/06/2011 05:23	24.9	TAL BUR	PAD
A:TO-15	200-5005-A-9		200-17603		05/06/2011 05:23	24.9	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-17603/4		200-17603		05/05/2011 12:27	1	TAL BUR	PAD
A:TO-15	MB 200-17603/4		200-17603		05/05/2011 12:27	1	TAL BUR	PAD
P:Summa Canister	MB 200-17703/5		200-17703		05/06/2011 14:25	1	TAL BUR	PAD
A:TO-15	MB 200-17703/5		200-17703		05/06/2011 14:25	1	TAL BUR	PAD

Quality Control Results

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

SDG: 200-5005

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-17603/3		200-17603		05/05/2011 11:37	1	TAL BUR	PAD
A:TO-15	LCS 200-17603/3		200-17603		05/05/2011 11:37	1	TAL BUR	PAD
P:Summa Canister	LCS 200-17703/4		200-17703		05/06/2011 13:34	1	TAL BUR	PAD
A:TO-15	LCS 200-17703/4		200-17703		05/06/2011 13:34	1	TAL BUR	PAD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: AF59

TestAmerica Job ID: 200-5005-1
SDG: 200-5005

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington		USDA		P330-11-00093
TestAmerica Burlington	ACCLASS	DoD ELAP	0	ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	Delaware	Delaware DNREC	3	NA
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	State Program	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	Vermont	State Program	1	VT-4000

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

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Matrix: Air Level: Low Lab File ID: bkaj003.d
Lab ID: LCS 200-17603/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.1	101	70-130	
Freon 22	10.0	8.89	89	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.99	100	70-130	
Chloromethane	10.0	8.51	85	70-130	
n-Butane	10.0	7.97	80	70-130	
Vinyl chloride	10.0	9.23	92	70-130	
1,3-Butadiene	10.0	9.16	92	70-130	
Bromomethane	10.0	9.43	94	70-130	
Chloroethane	10.0	8.95	90	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	10.4	104	70-130	
Freon TF	10.0	11.0	110	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	9.61	96	70-130	
Isopropyl alcohol	10.0	8.59	86	70-130	
Carbon disulfide	10.0	10.1	101	70-130	
3-Chloropropene	10.0	8.57	86	70-130	
Methylene Chloride	10.0	9.37	94	70-130	
tert-Butyl alcohol	10.0	9.29	93	70-130	
Methyl tert-butyl ether	10.0	9.91	99	70-130	
trans-1,2-Dichloroethene	10.0	9.40	94	70-130	
n-Hexane	10.0	9.04	90	70-130	
1,1-Dichloroethane	10.0	9.50	95	70-130	
Methyl Ethyl Ketone	10.0	10.0	100	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	8.84	88	70-130	
1,1,1-Trichloroethane	10.0	10.4	104	70-130	
Cyclohexane	10.0	9.75	98	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	9.28	93	70-130	
Benzene	10.0	9.88	99	70-130	
1,2-Dichloroethane	10.0	9.39	94	70-130	
n-Heptane	10.0	8.54	85	70-130	
Trichloroethene	10.0	10.1	101	70-130	
Methyl methacrylate	10.0	9.61	96	70-130	
1,2-Dichloropropane	10.0	9.20	92	70-130	
1,4-Dioxane	10.0	9.02	90	70-130	
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	9.55	95	70-130	
methyl isobutyl ketone	10.0	8.83	88	70-130	
Toluene	10.0	9.79	98	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Matrix: Air Level: Low Lab File ID: bkaj003.d
Lab ID: LCS 200-17603/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.64	96	70-130	
1,1,2-Trichloroethane	10.0	9.33	93	70-130	
Tetrachloroethene	10.0	10.2	102	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.64	86	70-130	
Dibromochloromethane	10.0	10.7	107	70-130	
1,2-Dibromoethane	10.0	9.90	99	70-130	
Chlorobenzene	10.0	9.44	94	70-130	
Ethylbenzene	10.0	9.86	99	70-130	
m,p-Xylene	20.0	19.8	99	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	10.1	101	70-130	
Bromoform	10.0	11.4	114	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.50	95	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	9.93	99	70-130	
2-Chlorotoluene	10.0	10.2	102	70-130	
tert-Butylbenzene	10.0	10.0	100	70-130	
1,2,4-Trimethylbenzene	10.0	9.84	98	70-130	
sec-Butylbenzene	10.0	10.2	102	70-130	
4-Isopropyltoluene	10.0	10.3	103	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.1	101	70-130	
Benzyl chloride	10.0	9.42	94	70-130	
n-Butylbenzene	10.0	10.6	106	70-130	
1,2-Dichlorobenzene	10.0	9.79	98	70-130	
1,2,4-Trichlorobenzene	10.0	10.3	103	70-130	
Hexachlorobutadiene	10.0	10.7	107	70-130	
Naphthalene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Matrix: Air Level: Low Lab File ID: bkak004.d
Lab ID: LCS 200-17703/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.0	110	70-130	
Freon 22	10.0	9.54	95	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	9.16	92	70-130	
n-Butane	10.0	8.60	86	70-130	
Vinyl chloride	10.0	10.1	101	70-130	
1,3-Butadiene	10.0	9.78	98	70-130	
Bromomethane	10.0	10.2	102	70-130	
Chloroethane	10.0	9.69	97	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.8	108	70-130	
Trichlorofluoromethane	10.0	11.1	111	70-130	
Freon TF	10.0	11.3	113	70-130	
1,1-Dichloroethene	10.0	11.4	114	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	9.12	91	70-130	
Carbon disulfide	10.0	10.5	105	70-130	
3-Chloropropene	10.0	9.20	92	70-130	
Methylene Chloride	10.0	10.0	100	70-130	
tert-Butyl alcohol	10.0	9.67	97	70-130	
Methyl tert-butyl ether	10.0	10.4	104	70-130	
trans-1,2-Dichloroethene	10.0	9.89	99	70-130	
n-Hexane	10.0	9.59	96	70-130	
1,1-Dichloroethane	10.0	9.93	99	70-130	
Methyl Ethyl Ketone	10.0	10.4	104	70-130	
cis-1,2-Dichloroethene	10.0	10.8	108	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	9.34	93	70-130	
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	10.5	105	70-130	
2,2,4-Trimethylpentane	10.0	9.77	98	70-130	
Benzene	10.0	10.2	102	70-130	
1,2-Dichloroethane	10.0	9.96	100	70-130	
n-Heptane	10.0	9.05	90	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.0	100	70-130	
1,2-Dichloropropane	10.0	9.61	96	70-130	
1,4-Dioxane	10.0	9.22	92	70-130	
Bromodichloromethane	10.0	10.8	108	70-130	
cis-1,3-Dichloropropene	10.0	9.82	98	70-130	
methyl isobutyl ketone	10.0	9.38	94	70-130	
Toluene	10.0	10.1	101	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Matrix: Air Level: Low Lab File ID: bkak004.d
 Lab ID: LCS 200-17703/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.0	100	70-130	
1,1,2-Trichloroethane	10.0	9.69	97	70-130	
Tetrachloroethene	10.0	10.2	102	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.29	93	70-130	
Dibromochloromethane	10.0	10.9	109	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	9.98	100	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	11.6	116	70-130	
Cumene	10.0	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.91	99	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	10.9	109	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	10.7	107	70-130	
tert-Butylbenzene	10.0	10.4	104	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.5	105	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
Benzyl chloride	10.0	9.79	98	70-130	
n-Butylbenzene	10.0	11.2	112	70-130	
1,2-Dichlorobenzene	10.0	9.88	99	70-130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70-130	
Hexachlorobutadiene	10.0	10.7	107	70-130	
Naphthalene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab File ID: bkaj004.d Lab Sample ID: MB 200-17603/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: B.i Date Analyzed: 05/05/2011 12:27
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-17603/3	bkaj003.d	05/05/2011 11:37
SL-118-5	200-5005-1	bkaj015.d	05/05/2011 22:24
SL-118-20	200-5005-2	bkaj016.d	05/05/2011 23:16
SL-118-END	200-5005-3	bkaj017.d	05/06/2011 00:09
SL-022-5	200-5005-7	bkaj021.d	05/06/2011 03:38
SL-022-20	200-5005-8	bkaj022.d	05/06/2011 04:31
SL-022-END	200-5005-9	bkaj023.d	05/06/2011 05:23
SL-084-5	200-5005-4	bkaj024.d	05/06/2011 09:23

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Lab File ID: bkak005.d Lab Sample ID: MB 200-17703/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: B.i Date Analyzed: 05/06/2011 14:25
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-17703/4	bkak004.d	05/06/2011 13:34
SL-084-20	200-5005-5	bkak008.d	05/06/2011 17:02
SL-084-END	200-5005-6	bkak009.d	05/06/2011 17:55

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab File ID: bka001.d BFB Injection Date: 04/19/2011
 Instrument ID: B.i BFB Injection Time: 10:50
 Analysis Batch No.: 16751

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.0
75	30.0 - 66.0% of mass 95	41.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	95.5
175	4.0 - 9.0 % of mass 174	6.8 (7.2) 1
176	93.0 - 101.0% of mass 174	92.2 (96.6) 1
177	5.0 - 9.0% of mass 176	6.1 (6.6) 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
	IC 200-16751/4	bka004.d	04/19/2011	13:57
	IC 200-16751/5	bka005.d	04/19/2011	14:50
	ICIS 200-16751/6	bka006.d	04/19/2011	15:42
	IC 200-16751/7	bka007.d	04/19/2011	16:34
	IC 200-16751/8	bka008.d	04/19/2011	17:27
	IC 200-16751/9	bka009.d	04/19/2011	18:19
	IC 200-16751/14	bka014.d	04/20/2011	08:43
	ICV 200-16751/16	bka016.d	04/20/2011	10:27

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab File ID: bkaj001.d BFB Injection Date: 05/05/2011
 Instrument ID: B.i BFB Injection Time: 09:56
 Analysis Batch No.: 17603

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	11.2
75	30.0 - 66.0% of mass 95	40.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.3 (0.3) 1
174	50.0 - 120.0% of mass 95	103.7
175	4.0 - 9.0 % of mass 174	7.3 (7.0) 1
176	93.0 - 101.0% of mass 174	99.3 (95.7) 1
177	5.0 - 9.0% of mass 176	6.6 (6.6) 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 200-17603/2	bkaj002.d	05/05/2011	10:47
	LCS 200-17603/3	bkaj003.d	05/05/2011	11:37
	MB 200-17603/4	bkaj004.d	05/05/2011	12:27
SL-118-5	200-5005-1	bkaj015.d	05/05/2011	22:24
SL-118-20	200-5005-2	bkaj016.d	05/05/2011	23:16
SL-118-END	200-5005-3	bkaj017.d	05/06/2011	00:09
SL-022-5	200-5005-7	bkaj021.d	05/06/2011	03:38
SL-022-20	200-5005-8	bkaj022.d	05/06/2011	04:31
SL-022-END	200-5005-9	bkaj023.d	05/06/2011	05:23
SL-084-5	200-5005-4	bkaj024.d	05/06/2011	09:23

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab File ID: bkak001.d BFB Injection Date: 05/06/2011
 Instrument ID: B.i BFB Injection Time: 11:00
 Analysis Batch No.: 17703

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.1
75	30.0 - 66.0% of mass 95	41.2
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	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	93.6
175	4.0 - 9.0 % of mass 174	6.6 (7.1) 1
176	93.0 - 101.0% of mass 174	90.3 (96.4) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 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 200-17703/3	bkak003.d	05/06/2011	12:42
	LCS 200-17703/4	bkak004.d	05/06/2011	13:34
	MB 200-17703/5	bkak005.d	05/06/2011	14:25
SL-084-20	200-5005-5	bkak008.d	05/06/2011	17:02
SL-084-END	200-5005-6	bkak009.d	05/06/2011	17:55

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Sample No.: ICIS 200-16751/6 Date Analyzed: 04/19/2011 15:42
Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): bka006.d Heated Purge: (Y/N) N
Calibration ID: 6017

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	664703	9.20	3233933	10.61	2984175	14.74
UPPER LIMIT	930584	9.53	4527506	10.94	4177845	15.07
LOWER LIMIT	398822	8.87	1940360	10.28	1790505	14.41
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-16751/16		778014	9.20	3732948	10.61	3415798 14.74

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Sample No.: CCVIS 200-17603/2 Date Analyzed: 05/05/2011 10:47
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bkaj002.d Heated Purge: (Y/N) N
 Calibration ID: 6017

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		991953	9.20	4775528	10.61	4522495	14.74
UPPER LIMIT		1388734	9.53	6685739	10.94	6331493	15.07
LOWER LIMIT		595172	8.87	2865317	10.28	2713497	14.41
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-17603/3		1024161	9.20	4940011	10.61	4607867	14.74
MB 200-17603/4		1017186	9.19	4978081	10.61	4473767	14.73
200-5005-1	SL-118-5	957765	9.20	4671414	10.61	4217277	14.73
200-5005-2	SL-118-20	902360	9.20	4404631	10.61	3935099	14.73
200-5005-3	SL-118-END	865128	9.20	4249837	10.61	3802954	14.73
200-5005-7	SL-022-5	767823	9.20	3799112	10.61	3454061	14.73
200-5005-8	SL-022-20	753563	9.20	3752390	10.61	3351548	14.73
200-5005-9	SL-022-END	731660	9.20	3657500	10.61	3277405	14.73
200-5005-4	SL-084-5	692972	9.19	3433917	10.60	3076835	14.73

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Sample No.: CCVIS 200-17703/3 Date Analyzed: 05/06/2011 12:42
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bkak003.d Heated Purge: (Y/N) N
 Calibration ID: 6017

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	916977	9.20	4456313	10.61	4181093	14.74	
UPPER LIMIT	1283768	9.53	6238838	10.94	5853530	15.07	
LOWER LIMIT	550186	8.87	2673788	10.28	2508656	14.41	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-17703/4		963996	9.20	4668563	10.61	4315826	14.74
MB 200-17703/5		972960	9.20	4773586	10.61	4301952	14.73
200-5005-5	SL-084-20	881969	9.19	4358295	10.60	3843891	14.73
200-5005-6	SL-084-END	824395	9.19	4123882	10.60	3644437	14.73

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
 Matrix: Air Lab File ID: bkaj015.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
 Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 22:24
 Soil Aliquot Vol: _____ Dilution Factor: 25.1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	13	U	13	0.95
75-45-6	Freon 22	86.47	13	U	13	0.85
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.0	U	5.0	0.80
74-87-3	Chloromethane	50.49	13	U	13	0.33
106-97-8	n-Butane	58.12	13	U	13	0.28
75-01-4	Vinyl chloride	62.50	5.0	U	5.0	0.73
106-99-0	1,3-Butadiene	54.09	5.0	U	5.0	0.25
74-83-9	Bromomethane	94.94	5.0	U	5.0	0.30
75-00-3	Chloroethane	64.52	13	U	13	0.40
593-60-2	Bromoethene (Vinyl Bromide)	106.96	5.0	U	5.0	0.48
75-69-4	Trichlorofluoromethane	137.37	5.0	U	5.0	0.85
76-13-1	Freon TF	187.38	11		5.0	0.25
75-35-4	1,1-Dichloroethene	96.94	5.0	U	5.0	0.75
67-64-1	Acetone	58.08	130	U	130	1.1
67-63-0	Isopropyl alcohol	60.10	130	U	130	0.93
75-15-0	Carbon disulfide	76.14	13	U	13	1.7
107-05-1	3-Chloropropene	76.53	13	U	13	0.48
75-09-2	Methylene Chloride	84.93	13	U	13	0.33
75-65-0	tert-Butyl alcohol	74.12	130	U	130	1.8
1634-04-4	Methyl tert-butyl ether	88.15	5.0	U	5.0	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	5.0	U	5.0	0.80
110-54-3	n-Hexane	86.17	5.0	U	5.0	0.65
75-34-3	1,1-Dichloroethane	98.96	5.0	U	5.0	0.88
78-93-3	Methyl Ethyl Ketone	72.11	13	U	13	0.43
156-59-2	cis-1,2-Dichloroethene	96.94	5.0	U	5.0	0.35
540-59-0	1,2-Dichloroethene, Total	96.94	5.0	U	5.0	0.35
67-66-3	Chloroform	119.38	5.0	U	5.0	0.78
109-99-9	Tetrahydrofuran	72.11	130	U	130	0.45
71-55-6	1,1,1-Trichloroethane	133.41	610		5.0	0.88
110-82-7	Cyclohexane	84.16	5.0	U	5.0	0.98
56-23-5	Carbon tetrachloride	153.81	5.0	U	5.0	0.83
540-84-1	2,2,4-Trimethylpentane	114.23	5.0	U	5.0	0.90
71-43-2	Benzene	78.11	5.0	U	5.0	0.45
107-06-2	1,2-Dichloroethane	98.96	5.0	U	5.0	0.78
142-82-5	n-Heptane	100.21	5.0	U	5.0	0.25

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
 Matrix: Air Lab File ID: bkaj015.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
 Sample wt/vol: 38(mL) Date Analyzed: 05/05/2011 22:24
 Soil Aliquot Vol: Dilution Factor: 25.1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	570		5.0	0.75
80-62-6	Methyl methacrylate	100.12	13	U	13	0.33
78-87-5	1,2-Dichloropropane	112.99	5.0	U	5.0	0.35
123-91-1	1,4-Dioxane	88.11	130	U	130	2.2
75-27-4	Bromodichloromethane	163.83	5.0	U	5.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	5.0	U	5.0	0.40
108-10-1	methyl isobutyl ketone	100.16	13	U	13	0.65
108-88-3	Toluene	92.14	5.0	U	5.0	0.45
10061-02-6	trans-1,3-Dichloropropene	110.97	5.0	U	5.0	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.0	U	5.0	0.48
127-18-4	Tetrachloroethene	165.83	5.0	U	5.0	0.28
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	13	U	13	0.98
124-48-1	Dibromochloromethane	208.29	5.0	U	5.0	0.53
106-93-4	1,2-Dibromoethane	187.87	5.0	U	5.0	0.45
108-90-7	Chlorobenzene	112.30	5.0	U	5.0	0.50
100-41-4	Ethylbenzene	106.17	5.0	U	5.0	0.55
179601-23-1	m,p-Xylene	106.17	13	U	13	1.2
95-47-6	Xylene, o-	106.17	5.0	U	5.0	0.55
1330-20-7	Xylene (total)	106.17	5.0	U	5.0	0.55
100-42-5	Styrene	104.15	5.0	U	5.0	0.75
75-25-2	Bromoform	252.75	5.0	U	5.0	0.48
98-82-8	Cumene	120.19	5.0	U	5.0	0.78
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.0	U	5.0	1.0
103-65-1	n-Propylbenzene	120.19	5.0	U	5.0	1.3
622-96-8	4-Ethyltoluene	120.20	5.0	U	5.0	1.2
108-67-8	1,3,5-Trimethylbenzene	120.20	5.0	U	5.0	1.3
95-49-8	2-Chlorotoluene	126.59	5.0	U	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	5.0	U	5.0	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	5.0	U	5.0	1.3
135-98-8	sec-Butylbenzene	134.22	5.0	U	5.0	1.2
99-87-6	4-Isopropyltoluene	134.22	5.0	U	5.0	1.2
541-73-1	1,3-Dichlorobenzene	147.00	5.0	U	5.0	1.1
106-46-7	1,4-Dichlorobenzene	147.00	5.0	U	5.0	1.1
100-44-7	Benzyl chloride	126.58	5.0	U	5.0	1.2
104-51-8	n-Butylbenzene	134.22	5.0	U	5.0	1.4

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
Matrix: Air Lab File ID: bkaj015.d
Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 22:24
Soil Aliquot Vol: _____ Dilution Factor: 25.1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	5.0	U	5.0	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	13	U	13	1.3
87-68-3	Hexachlorobutadiene	260.76	5.0	U	5.0	1.6
91-20-3	Naphthalene	128.17	13	U	13	2.2

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
 Matrix: Air Lab File ID: bkaj015.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
 Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 22:24
 Soil Aliquot Vol: _____ Dilution Factor: 25.1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	62	U	62	4.7
75-45-6	Freon 22	86.47	44	U	44	3.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	35	U	35	5.6
74-87-3	Chloromethane	50.49	26	U	26	0.67
106-97-8	n-Butane	58.12	30	U	30	0.66
75-01-4	Vinyl chloride	62.50	13	U	13	1.9
106-99-0	1,3-Butadiene	54.09	11	U	11	0.56
74-83-9	Bromomethane	94.94	19	U	19	1.2
75-00-3	Chloroethane	64.52	33	U	33	1.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	22	U	22	2.1
75-69-4	Trichlorofluoromethane	137.37	28	U	28	4.8
76-13-1	Freon TF	187.38	81		38	1.9
75-35-4	1,1-Dichloroethene	96.94	20	U	20	3.0
67-64-1	Acetone	58.08	300	U	300	2.7
67-63-0	Isopropyl alcohol	60.10	310	U	310	2.3
75-15-0	Carbon disulfide	76.14	39	U	39	5.2
107-05-1	3-Chloropropene	76.53	39	U	39	1.5
75-09-2	Methylene Chloride	84.93	44	U	44	1.1
75-65-0	tert-Butyl alcohol	74.12	380	U	380	5.4
1634-04-4	Methyl tert-butyl ether	88.15	18	U	18	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	20	U	20	3.2
110-54-3	n-Hexane	86.17	18	U	18	2.3
75-34-3	1,1-Dichloroethane	98.96	20	U	20	3.6
78-93-3	Methyl Ethyl Ketone	72.11	37	U	37	1.3
156-59-2	cis-1,2-Dichloroethene	96.94	20	U	20	1.4
540-59-0	1,2-Dichloroethene, Total	96.94	20	U	20	1.4
67-66-3	Chloroform	119.38	25	U	25	3.8
109-99-9	Tetrahydrofuran	72.11	370	U	370	1.3
71-55-6	1,1,1-Trichloroethane	133.41	3300		27	4.8
110-82-7	Cyclohexane	84.16	17	U	17	3.4
56-23-5	Carbon tetrachloride	153.81	32	U	32	5.2
540-84-1	2,2,4-Trimethylpentane	114.23	23	U	23	4.2
71-43-2	Benzene	78.11	16	U	16	1.4
107-06-2	1,2-Dichloroethane	98.96	20	U	20	3.1
142-82-5	n-Heptane	100.21	21	U	21	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
 Matrix: Air Lab File ID: bkaj015.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
 Sample wt/vol: 38(mL) Date Analyzed: 05/05/2011 22:24
 Soil Aliquot Vol: Dilution Factor: 25.1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3000		27	4.0
80-62-6	Methyl methacrylate	100.12	51	U	51	1.3
78-87-5	1,2-Dichloropropane	112.99	23	U	23	1.6
123-91-1	1,4-Dioxane	88.11	450	U	450	8.0
75-27-4	Bromodichloromethane	163.83	34	U	34	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	23	U	23	1.8
108-10-1	methyl isobutyl ketone	100.16	51	U	51	2.7
108-88-3	Toluene	92.14	19	U	19	1.7
10061-02-6	trans-1,3-Dichloropropene	110.97	23	U	23	2.3
79-00-5	1,1,2-Trichloroethane	133.41	27	U	27	2.6
127-18-4	Tetrachloroethene	165.83	34	U	34	1.9
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	51	U	51	4.0
124-48-1	Dibromochloromethane	208.29	43	U	43	4.5
106-93-4	1,2-Dibromoethane	187.87	39	U	39	3.5
108-90-7	Chlorobenzene	112.30	23	U	23	2.3
100-41-4	Ethylbenzene	106.17	22	U	22	2.4
179601-23-1	m,p-Xylene	106.17	54	U	54	5.2
95-47-6	Xylene, o-	106.17	22	U	22	2.4
1330-20-7	Xylene (total)	106.17	22	U	22	2.4
100-42-5	Styrene	104.15	21	U	21	3.2
75-25-2	Bromoform	252.75	52	U	52	4.9
98-82-8	Cumene	120.19	25	U	25	3.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	34	U	34	6.9
103-65-1	n-Propylbenzene	120.19	25	U	25	6.2
622-96-8	4-Ethyltoluene	120.20	25	U	25	5.7
108-67-8	1,3,5-Trimethylbenzene	120.20	25	U	25	6.3
95-49-8	2-Chlorotoluene	126.59	26	U	26	6.1
98-06-6	tert-Butylbenzene	134.22	28	U	28	6.5
95-63-6	1,2,4-Trimethylbenzene	120.20	25	U	25	6.4
135-98-8	sec-Butylbenzene	134.22	28	U	28	6.5
99-87-6	4-Isopropyltoluene	134.22	28	U	28	6.6
541-73-1	1,3-Dichlorobenzene	147.00	30	U	30	6.6
106-46-7	1,4-Dichlorobenzene	147.00	30	U	30	6.6
100-44-7	Benzyl chloride	126.58	26	U	26	6.0
104-51-8	n-Butylbenzene	134.22	28	U	28	7.6

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-5 Lab Sample ID: 200-5005-1
Matrix: Air Lab File ID: bkaj015.d
Analysis Method: TO-15 Date Collected: 04/28/2011 18:59
Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 22:24
Soil Aliquot Vol: _____ Dilution Factor: 25.1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	30	U	30	7.2
120-82-1	1,2,4-Trichlorobenzene	181.45	93	U	93	9.3
87-68-3	Hexachlorobutadiene	260.76	54	U	54	17
91-20-3	Naphthalene	128.17	66	U	66	11

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-1
Client Smp ID: SL-118-5
Inj Date : 05-MAY-2011 22:24
Operator : pad
Smp Info : 200-5005-A-1
Misc Info : 38,25.1, all74 cdf4.77
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 1
Dil Factor: 25.10000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	25.10000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	38.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51		3.072	3.072	(0.334)	20778	0.36516	9.2(aM)
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
17 1,1,2-Trichloro-1,2,2-trifluo	101		5.794	5.788	(0.630)	78153	0.41958	11
19 1,1-Dichloroethene	96		5.852	5.852	(0.636)	9264	0.10352	2.6(a)
20 Acetone	43		6.124	6.045	(0.666)	32361	0.34076	8.6(aM)
21 Carbon disulfide	76							

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.429	6.322	(0.699)		72128	0.93481	23(a)
23 Allyl chloride	41		Compound Not Detected.						
25 Methylene chloride	49		6.808	6.802	(0.740)		5623	0.07254	1.8(aQ)
26 Tert-butyl alcohol	59		Compound Not Detected.						
27 Methyl tert-butyl ether	73		Compound Not Detected.						
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 1,1-Dichloroethane	63		7.934	7.934	(0.862)		7255	0.04984	1.3(a)
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.						
34 1,2-Dichloroethene (cis)	96		Compound Not Detected.						
36 Methyl Ethyl Ketone	72		8.937	8.857	(0.972)		1765	0.04089	1.0(aQM)
* 37 Bromochloromethane	128		9.199	9.199	(1.000)		957765	10.0000	
38 Tetrahydrofuran	42		Compound Not Detected.						
39 Chloroform	83		9.279	9.284	(1.009)		25619	0.13988	3.5(a)
40 Cyclohexane	84		Compound Not Detected.						
41 1,1,1-Trichloroethane	97		9.524	9.524	(0.898)		4801091	24.2228	610
42 Carbon tetrachloride	117		Compound Not Detected.						
43 2,2,4-Trimethylpentane	57		Compound Not Detected.						
44 Benzene	78		Compound Not Detected.						
45 1,2-Dichloroethane	62		Compound Not Detected.						
46 n-Heptane	43		Compound Not Detected.						
* 47 1,4-Difluorobenzene	114		10.607	10.608	(1.000)		4671414	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)		3016736	22.5615	570
50 1,2-Dichloropropane	63		Compound Not Detected.						
51 Methyl methacrylate	69		Compound Not Detected.						
53 1,4-Dioxane	88		Compound Not Detected.						
54 Bromodichloromethane	83		Compound Not Detected.						
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.						
56 Methyl isobutyl ketone	43		Compound Not Detected.						
58 Toluene	92		12.758	12.748	(0.866)		27597	0.12477	3.1(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.						
60 1,1,2-Trichloroethane	83		Compound Not Detected.						
61 Tetrachloroethene	166		13.521	13.516	(0.918)		33975	0.17389	4.4(a)
62 2-Hexanone	43		Compound Not Detected.						
63 Dibromochloromethane	129		Compound Not Detected.						
64 1,2-Dibromoethane	107		Compound Not Detected.						
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)		4217277	10.0000	
66 Chlorobenzene	112		Compound Not Detected.						
68 Ethylbenzene	91		Compound Not Detected.						
69 Xylene (m,p)	106		Compound Not Detected.						
M 70 Xylenes, Total	106		Compound Not Detected.						
71 Xylene (o)	106		Compound Not Detected.						
72 Styrene	104		Compound Not Detected.						
73 Bromoform	173		Compound Not Detected.						
74 Isopropylbenzene	105		Compound Not Detected.						
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
76 n-Propylbenzene	91		Compound Not Detected.						

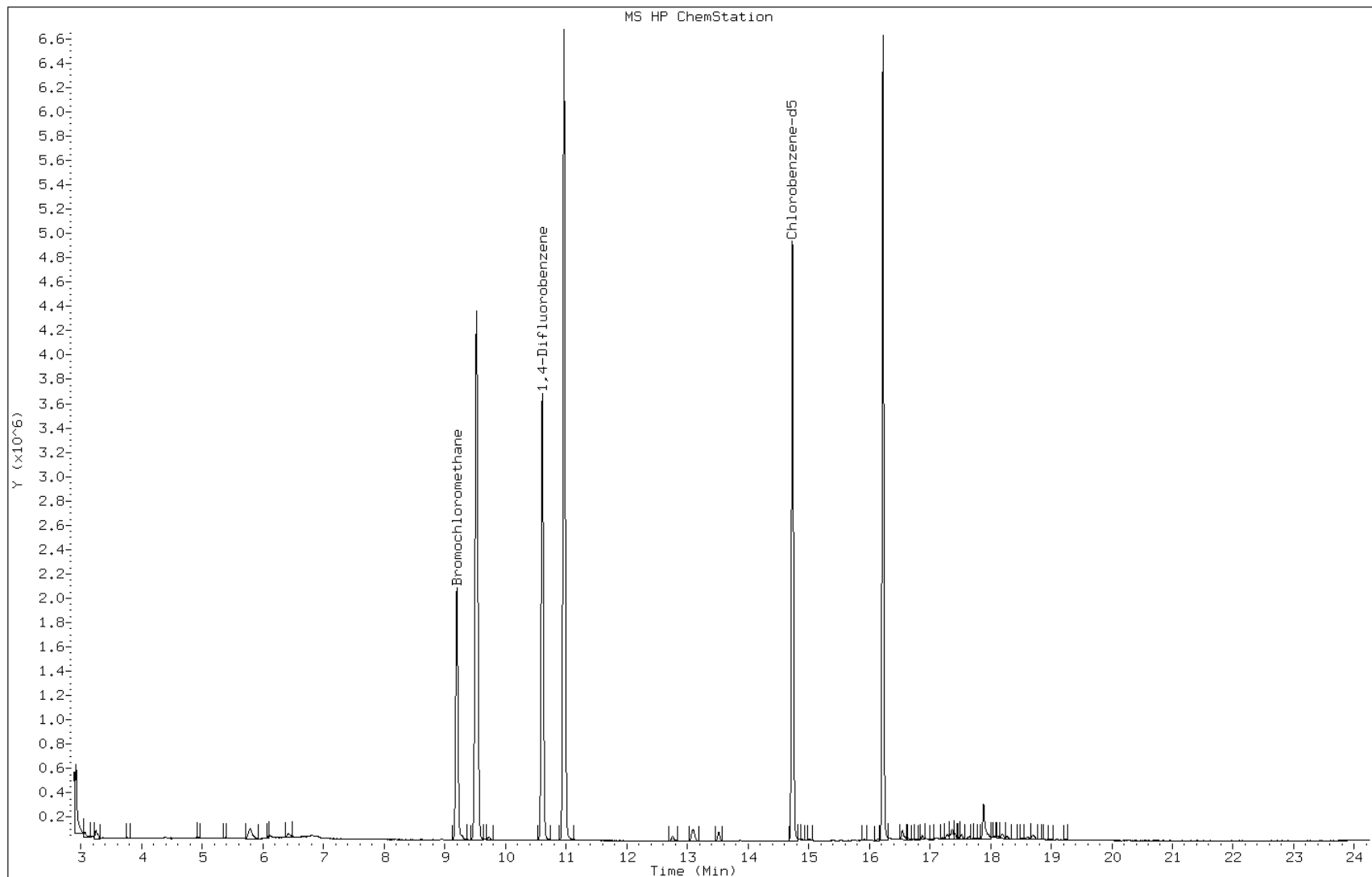
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj015.d
Client ID: SL-118-5
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-1
Lab Sample ID: 200-5005-1

Date: 05-MAY-2011 22:24
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj015.d

Lab Sample ID: 200-5005-1

Date: 05-MAY-2011 22:24

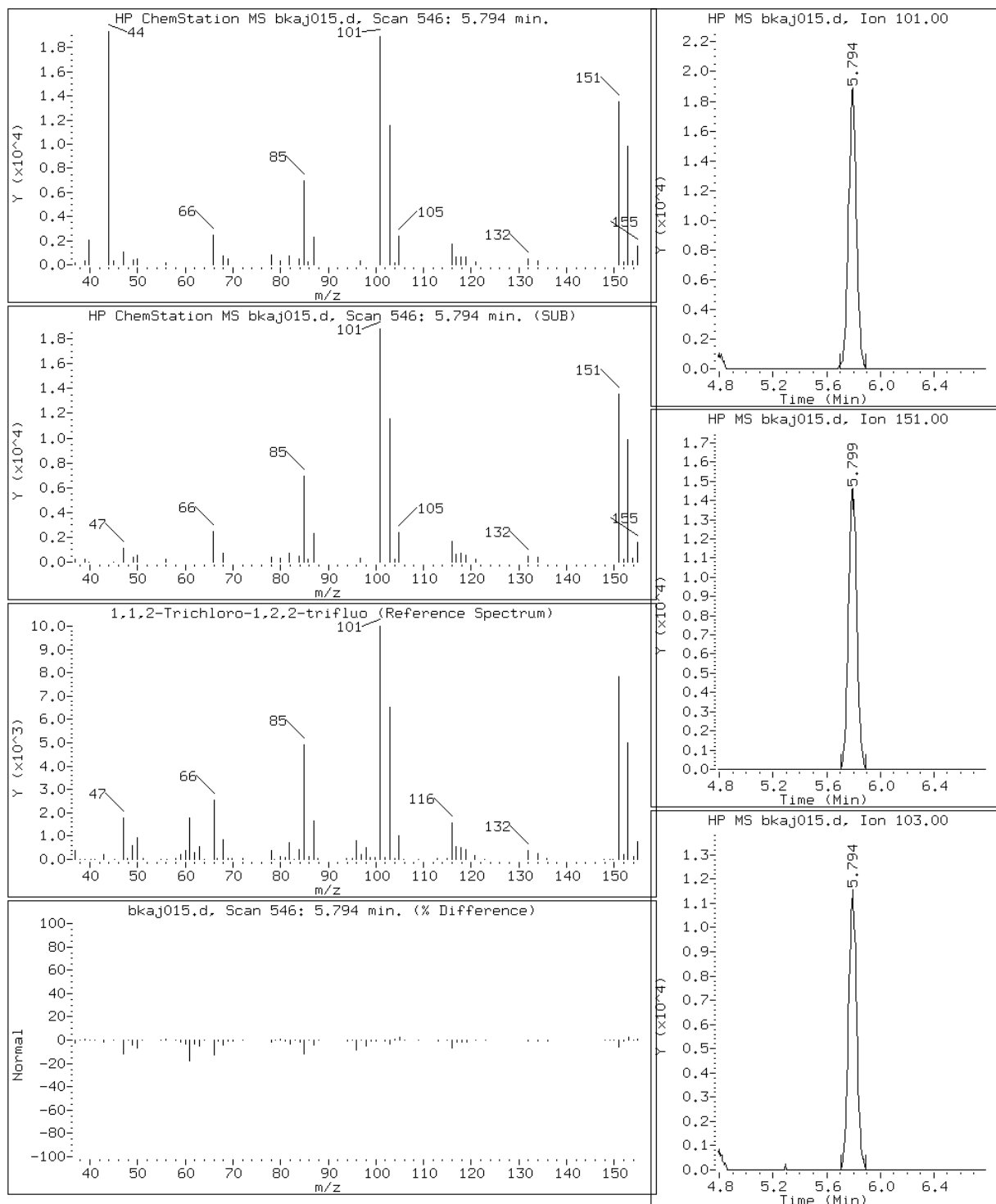
Client ID: SL-118-5

Instrument: B.i

Sample Info: 200-5005-A-1

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



Data File: bkaj015.d

Lab Sample ID: 200-5005-1

Date: 05-MAY-2011 22:24

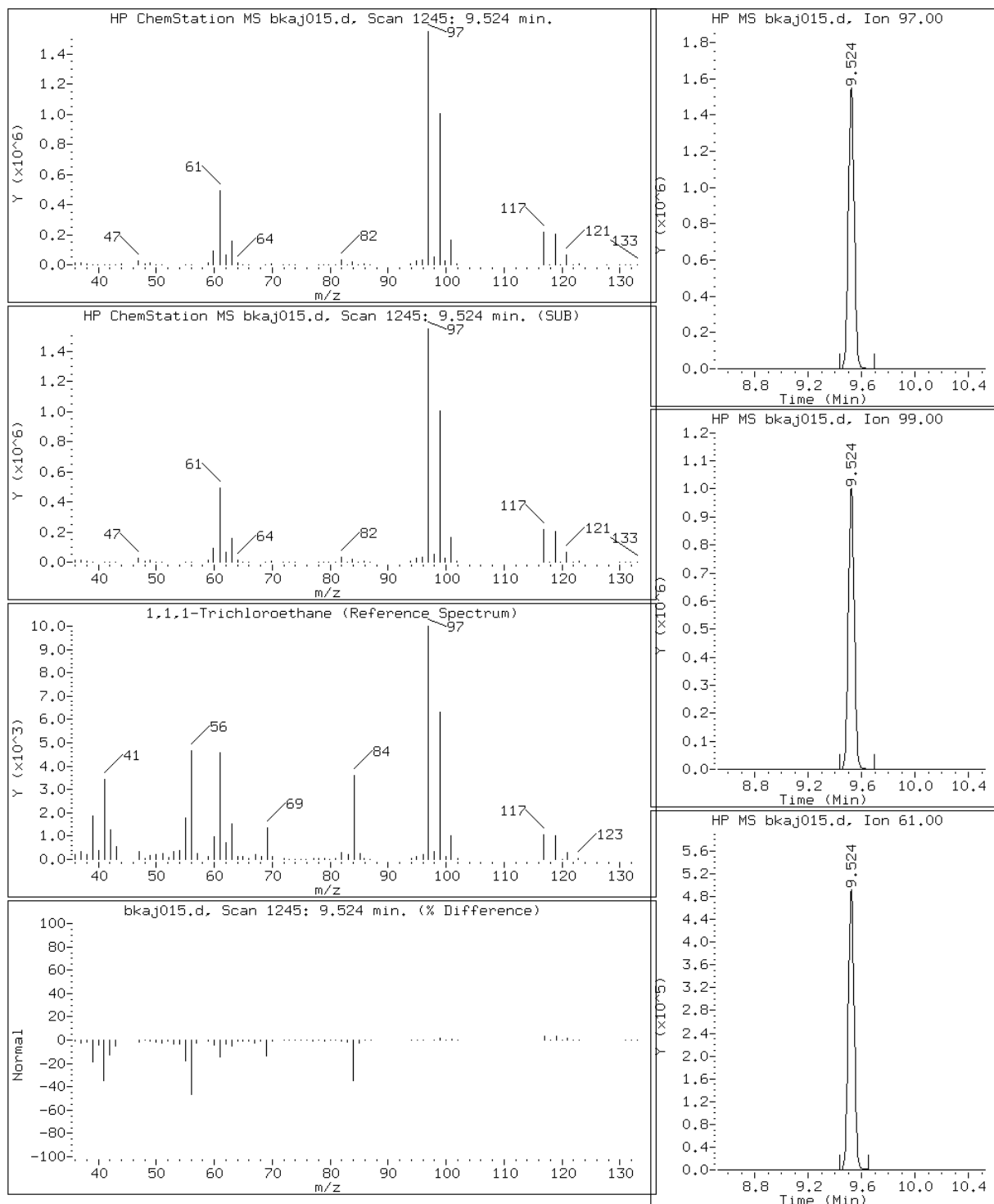
Client ID: SL-118-5

Instrument: B.i

Sample Info: 200-5005-A-1

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj015.d

Lab Sample ID: 200-5005-1

Date: 05-MAY-2011 22:24

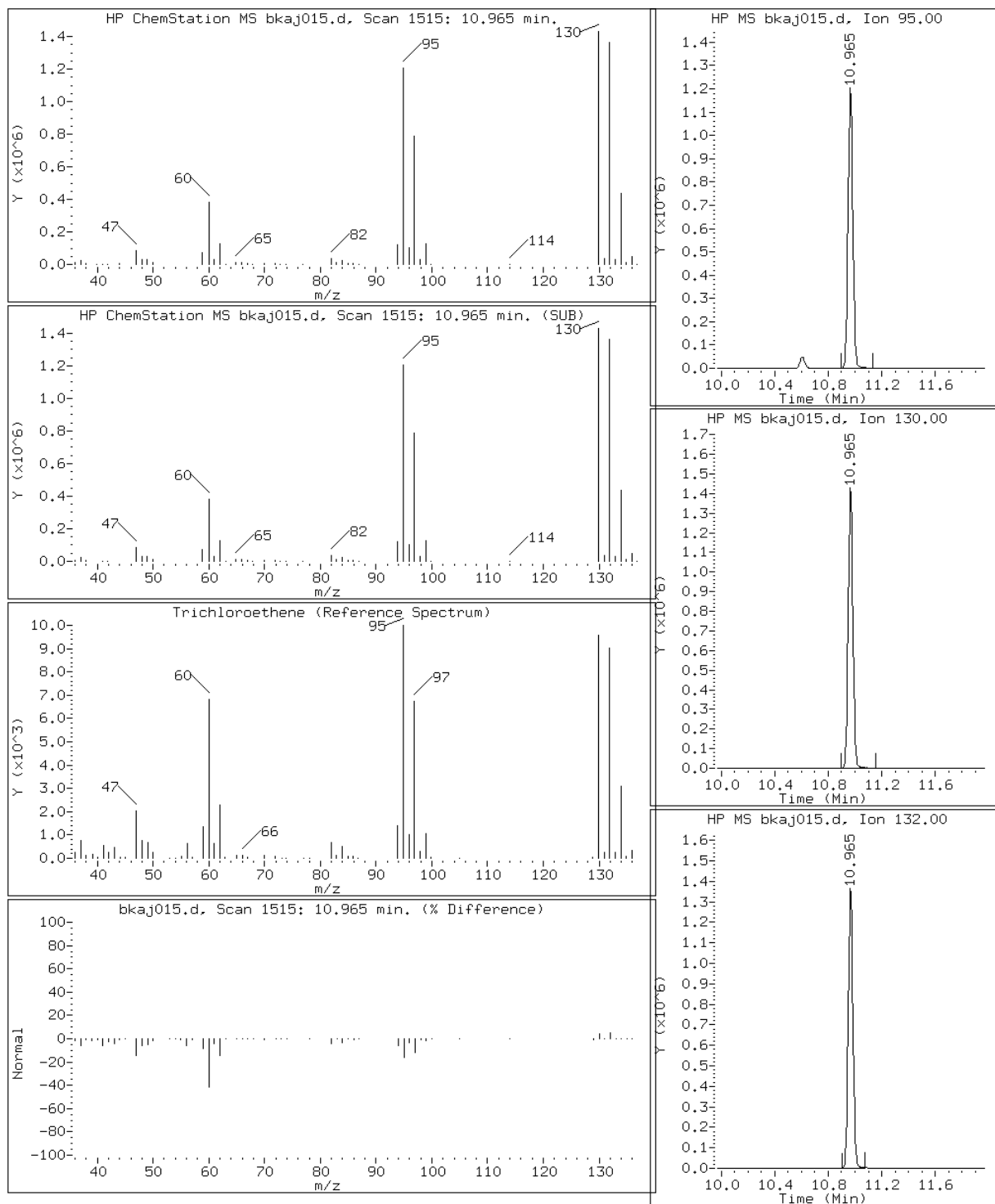
Client ID: SL-118-5

Instrument: B.i

Sample Info: 200-5005-A-1

Operator: pad

49 Trichloroethene

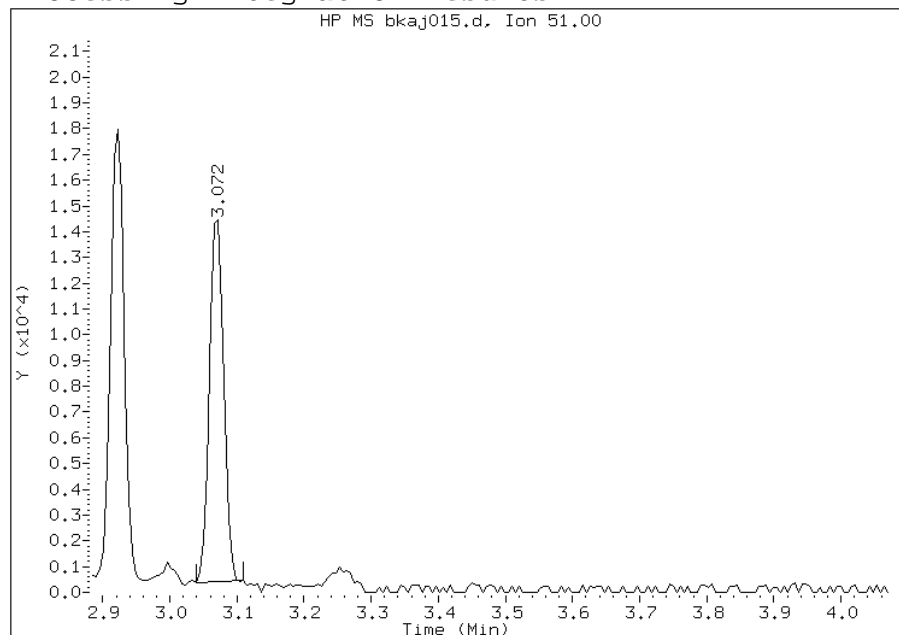


Manual Integration Report

Data File: bkaj015.d
Lab Sample ID: 200-5005-1
Inj. Date and Time: 05-MAY-2011 22:24
Instrument ID: B.i
Client ID: SL-118-5
Compound: 3 Chlorodifluoromethane
CAS #: 75-45-6
Report Date: 05/06/2011

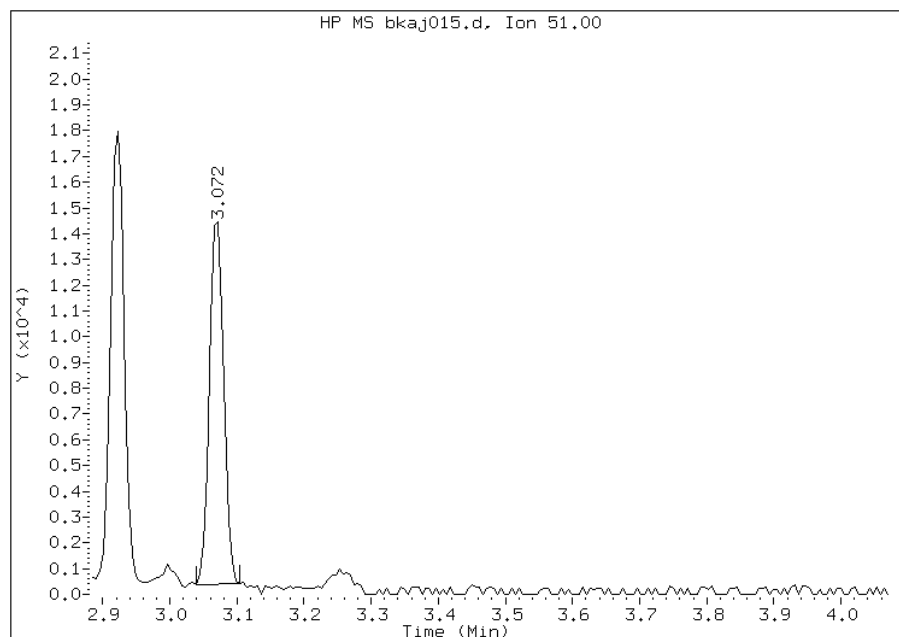
Processing Integration Results

RT: 3.07
Response: 20720
Amount: 0.364162
Conc: 9.14



Manual Integration Results

RT: 3.07
Response: 20778
Amount: 0.365165
Conc: 9.17



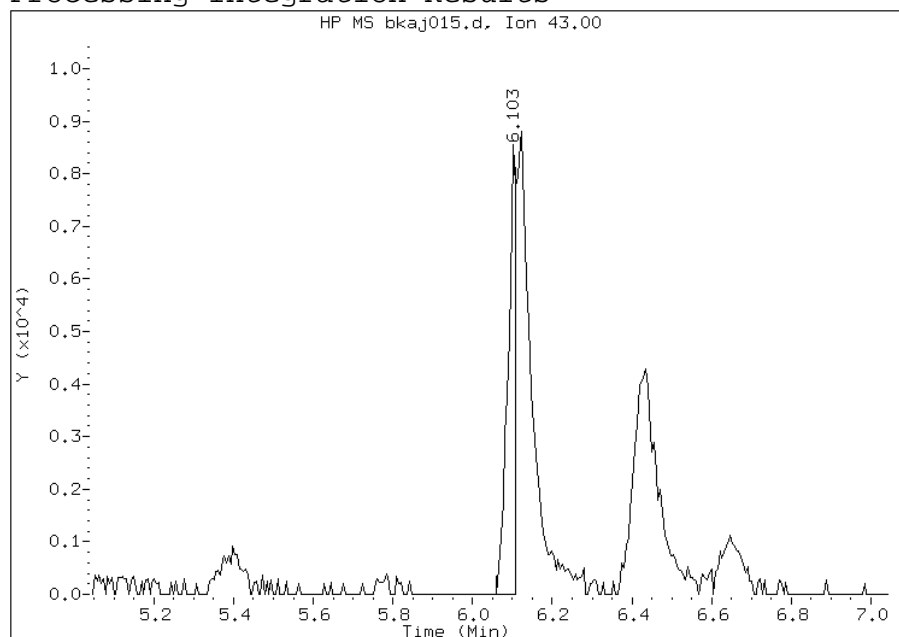
File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: bkaj015.d
Lab Sample ID: 200-5005-1
Inj. Date and Time: 05-MAY-2011 22:24
Instrument ID: B.i
Client ID: SL-118-5
Compound: 20 Acetone
CAS #: 67-64-1
Report Date: 05/06/2011

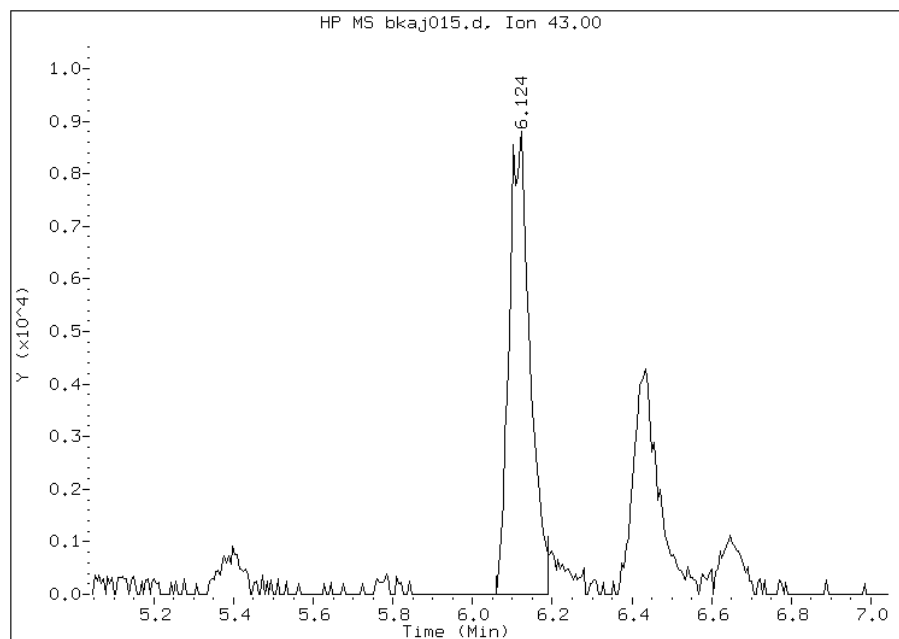
Processing Integration Results

RT: 6.10
Response: 12299
Amount: 0.129509
Conc: 3.25



Manual Integration Results

RT: 6.12
Response: 32361
Amount: 0.340761
Conc: 8.55



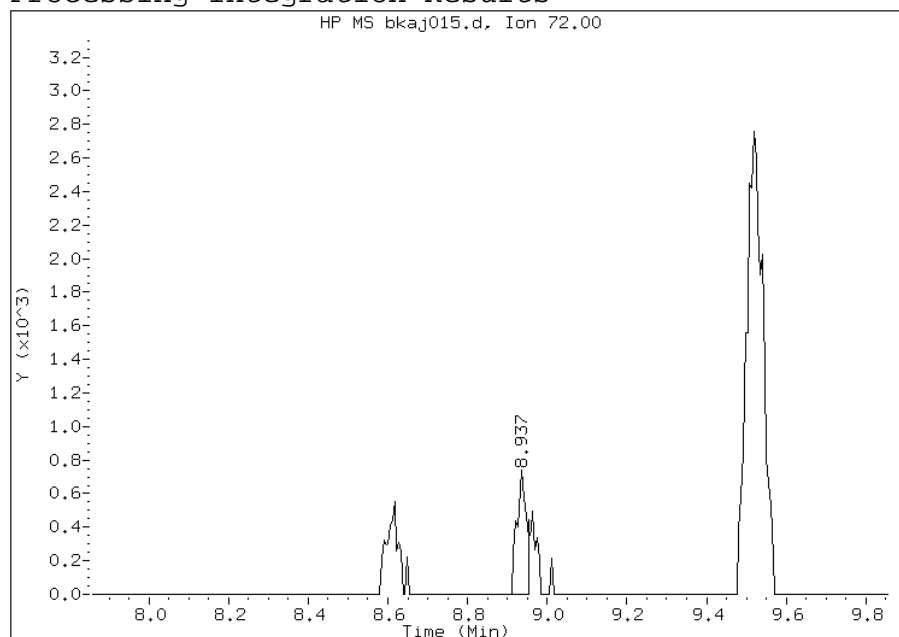
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bkaj015.d
Lab Sample ID: 200-5005-1
Inj. Date and Time: 05-MAY-2011 22:24
Instrument ID: B.i
Client ID: SL-118-5
Compound: 36 Methyl Ethyl Ketone
CAS #: 78-93-3
Report Date: 05/06/2011

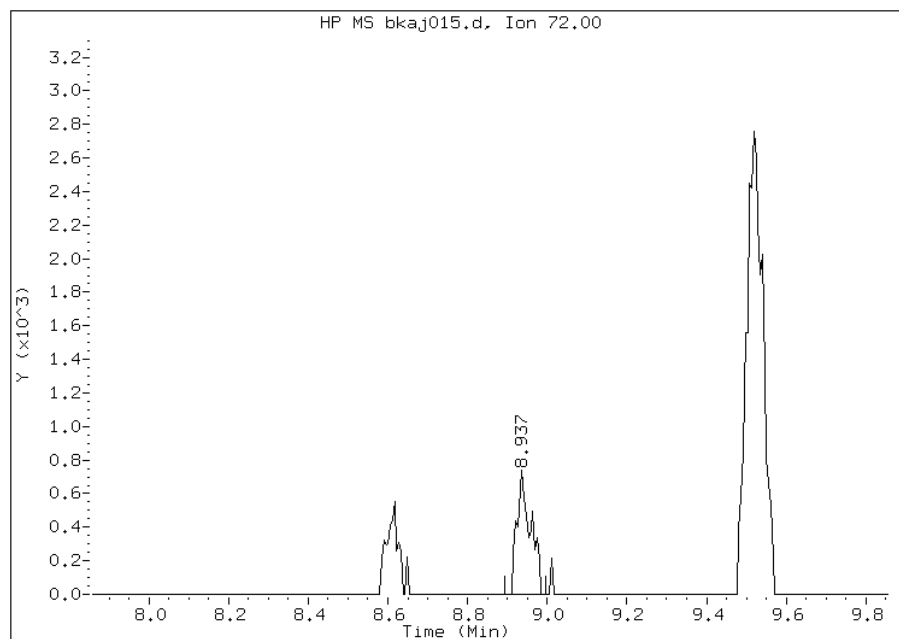
Processing Integration Results

RT: 8.94
Response: 1223
Amount: 0.028330
Conc: 0.711082



Manual Integration Results

RT: 8.94
Response: 1765
Amount: 0.040885
Conc: 1.03



File Uploaded By: pd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
 Matrix: Air Lab File ID: bkaj016.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
 Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 23:16
 Soil Aliquot Vol: _____ Dilution Factor: 24.7
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12	U	12	0.94
75-45-6	Freon 22	86.47	12	U	12	0.84
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.9	U	4.9	0.79
74-87-3	Chloromethane	50.49	12	U	12	0.32
106-97-8	n-Butane	58.12	12	U	12	0.27
75-01-4	Vinyl chloride	62.50	4.9	U	4.9	0.72
106-99-0	1,3-Butadiene	54.09	4.9	U	4.9	0.25
74-83-9	Bromomethane	94.94	4.9	U	4.9	0.30
75-00-3	Chloroethane	64.52	12	U	12	0.40
593-60-2	Bromoethene (Vinyl Bromide)	106.96	4.9	U	4.9	0.47
75-69-4	Trichlorofluoromethane	137.37	4.9	U	4.9	0.84
76-13-1	Freon TF	187.38	9.1		4.9	0.25
75-35-4	1,1-Dichloroethene	96.94	4.9	U	4.9	0.74
67-64-1	Acetone	58.08	120	U	120	1.1
67-63-0	Isopropyl alcohol	60.10	120	U	120	0.91
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	3-Chloropropene	76.53	12	U	12	0.47
75-09-2	Methylene Chloride	84.93	12	U	12	0.32
75-65-0	tert-Butyl alcohol	74.12	120	U	120	1.8
1634-04-4	Methyl tert-butyl ether	88.15	4.9	U	4.9	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	4.9	U	4.9	0.79
110-54-3	n-Hexane	86.17	4.9	U	4.9	0.64
75-34-3	1,1-Dichloroethane	98.96	4.9	U	4.9	0.86
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	0.42
156-59-2	cis-1,2-Dichloroethene	96.94	4.9	U	4.9	0.35
540-59-0	1,2-Dichloroethene, Total	96.94	4.9	U	4.9	0.35
67-66-3	Chloroform	119.38	4.9	U	4.9	0.77
109-99-9	Tetrahydrofuran	72.11	120	U	120	0.44
71-55-6	1,1,1-Trichloroethane	133.41	550		4.9	0.86
110-82-7	Cyclohexane	84.16	4.9	U	4.9	0.96
56-23-5	Carbon tetrachloride	153.81	4.9	U	4.9	0.82
540-84-1	2,2,4-Trimethylpentane	114.23	4.9	U	4.9	0.89
71-43-2	Benzene	78.11	4.9	U	4.9	0.44
107-06-2	1,2-Dichloroethane	98.96	4.9	U	4.9	0.77
142-82-5	n-Heptane	100.21	4.9	U	4.9	0.25

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
 Matrix: Air Lab File ID: bkaj016.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
 Sample wt/vol: 38(mL) Date Analyzed: 05/05/2011 23:16
 Soil Aliquot Vol: _____ Dilution Factor: 24.7
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	540		4.9	0.74
80-62-6	Methyl methacrylate	100.12	12	U	12	0.32
78-87-5	1,2-Dichloropropane	112.99	4.9	U	4.9	0.35
123-91-1	1,4-Dioxane	88.11	120	U	120	2.2
75-27-4	Bromodichloromethane	163.83	4.9	U	4.9	0.69
10061-01-5	cis-1,3-Dichloropropene	110.97	4.9	U	4.9	0.40
108-10-1	methyl isobutyl ketone	100.16	12	U	12	0.64
108-88-3	Toluene	92.14	4.9	U	4.9	0.44
10061-02-6	trans-1,3-Dichloropropene	110.97	4.9	U	4.9	0.49
79-00-5	1,1,2-Trichloroethane	133.41	4.9	U	4.9	0.47
127-18-4	Tetrachloroethene	165.83	4.9	U	4.9	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	0.96
124-48-1	Dibromochloromethane	208.29	4.9	U	4.9	0.52
106-93-4	1,2-Dibromoethane	187.87	4.9	U	4.9	0.44
108-90-7	Chlorobenzene	112.30	4.9	U	4.9	0.49
100-41-4	Ethylbenzene	106.17	4.9	U	4.9	0.54
179601-23-1	m,p-Xylene	106.17	12	U	12	1.2
95-47-6	Xylene, o-	106.17	4.9	U	4.9	0.54
1330-20-7	Xylene (total)	106.17	4.9	U	4.9	0.54
100-42-5	Styrene	104.15	4.9	U	4.9	0.74
75-25-2	Bromoform	252.75	4.9	U	4.9	0.47
98-82-8	Cumene	120.19	4.9	U	4.9	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.9	U	4.9	0.99
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	1.2
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	1.1
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	1.3
95-49-8	2-Chlorotoluene	126.59	4.9	U	4.9	1.2
98-06-6	tert-Butylbenzene	134.22	4.9	U	4.9	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	1.3
135-98-8	sec-Butylbenzene	134.22	4.9	U	4.9	1.2
99-87-6	4-Isopropyltoluene	134.22	4.9	U	4.9	1.2
541-73-1	1,3-Dichlorobenzene	147.00	4.9	U	4.9	1.1
106-46-7	1,4-Dichlorobenzene	147.00	4.9	U	4.9	1.1
100-44-7	Benzyl chloride	126.58	4.9	U	4.9	1.1
104-51-8	n-Butylbenzene	134.22	4.9	U	4.9	1.4

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
Matrix: Air Lab File ID: bkaj016.d
Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 23:16
Soil Aliquot Vol: _____ Dilution Factor: 24.7
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.9	U	4.9	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	12	U	12	1.2
87-68-3	Hexachlorobutadiene	260.76	4.9	U	4.9	1.6
91-20-3	Naphthalene	128.17	12	U	12	2.1

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
 Matrix: Air Lab File ID: bkaj016.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
 Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 23:16
 Soil Aliquot Vol: Dilution Factor: 24.7
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	61	U	61	4.6
75-45-6	Freon 22	86.47	44	U	44	3.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	35	U	35	5.5
74-87-3	Chloromethane	50.49	26	U	26	0.66
106-97-8	n-Butane	58.12	29	U	29	0.65
75-01-4	Vinyl chloride	62.50	13	U	13	1.8
106-99-0	1,3-Butadiene	54.09	11	U	11	0.55
74-83-9	Bromomethane	94.94	19	U	19	1.2
75-00-3	Chloroethane	64.52	33	U	33	1.0
593-60-2	Bromoethene (Vinyl Bromide)	106.96	22	U	22	2.1
75-69-4	Trichlorofluoromethane	137.37	28	U	28	4.7
76-13-1	Freon TF	187.38	70		38	1.9
75-35-4	1,1-Dichloroethene	96.94	20	U	20	2.9
67-64-1	Acetone	58.08	290	U	290	2.6
67-63-0	Isopropyl alcohol	60.10	300	U	300	2.2
75-15-0	Carbon disulfide	76.14	38	U	38	5.1
107-05-1	3-Chloropropene	76.53	39	U	39	1.5
75-09-2	Methylene Chloride	84.93	43	U	43	1.1
75-65-0	tert-Butyl alcohol	74.12	370	U	370	5.3
1634-04-4	Methyl tert-butyl ether	88.15	18	U	18	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	20	U	20	3.1
110-54-3	n-Hexane	86.17	17	U	17	2.3
75-34-3	1,1-Dichloroethane	98.96	20	U	20	3.5
78-93-3	Methyl Ethyl Ketone	72.11	36	U	36	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	20	U	20	1.4
540-59-0	1,2-Dichloroethene, Total	96.94	20	U	20	1.4
67-66-3	Chloroform	119.38	24	U	24	3.7
109-99-9	Tetrahydrofuran	72.11	360	U	360	1.3
71-55-6	1,1,1-Trichloroethane	133.41	3000		27	4.7
110-82-7	Cyclohexane	84.16	17	U	17	3.3
56-23-5	Carbon tetrachloride	153.81	31	U	31	5.1
540-84-1	2,2,4-Trimethylpentane	114.23	23	U	23	4.2
71-43-2	Benzene	78.11	16	U	16	1.4
107-06-2	1,2-Dichloroethane	98.96	20	U	20	3.1
142-82-5	n-Heptane	100.21	20	U	20	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
 Matrix: Air Lab File ID: bkaj016.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
 Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 23:16
 Soil Aliquot Vol: Dilution Factor: 24.7
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2900		27	4.0
80-62-6	Methyl methacrylate	100.12	51	U	51	1.3
78-87-5	1,2-Dichloropropane	112.99	23	U	23	1.6
123-91-1	1,4-Dioxane	88.11	450	U	450	7.8
75-27-4	Bromodichloromethane	163.83	33	U	33	4.6
10061-01-5	cis-1,3-Dichloropropene	110.97	22	U	22	1.8
108-10-1	methyl isobutyl ketone	100.16	51	U	51	2.6
108-88-3	Toluene	92.14	19	U	19	1.7
10061-02-6	trans-1,3-Dichloropropene	110.97	22	U	22	2.2
79-00-5	1,1,2-Trichloroethane	133.41	27	U	27	2.6
127-18-4	Tetrachloroethene	165.83	34	U	34	1.8
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	51	U	51	3.9
124-48-1	Dibromochloromethane	208.29	42	U	42	4.4
106-93-4	1,2-Dibromoethane	187.87	38	U	38	3.4
108-90-7	Chlorobenzene	112.30	23	U	23	2.3
100-41-4	Ethylbenzene	106.17	21	U	21	2.4
179601-23-1	m,p-Xylene	106.17	54	U	54	5.1
95-47-6	Xylene, o-	106.17	21	U	21	2.4
1330-20-7	Xylene (total)	106.17	21	U	21	2.4
100-42-5	Styrene	104.15	21	U	21	3.2
75-25-2	Bromoform	252.75	51	U	51	4.9
98-82-8	Cumene	120.19	24	U	24	3.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	34	U	34	6.8
103-65-1	n-Propylbenzene	120.19	24	U	24	6.1
622-96-8	4-Ethyltoluene	120.20	24	U	24	5.6
108-67-8	1,3,5-Trimethylbenzene	120.20	24	U	24	6.2
95-49-8	2-Chlorotoluene	126.59	26	U	26	6.0
98-06-6	tert-Butylbenzene	134.22	27	U	27	6.4
95-63-6	1,2,4-Trimethylbenzene	120.20	24	U	24	6.3
135-98-8	sec-Butylbenzene	134.22	27	U	27	6.4
99-87-6	4-Isopropyltoluene	134.22	27	U	27	6.5
541-73-1	1,3-Dichlorobenzene	147.00	30	U	30	6.5
106-46-7	1,4-Dichlorobenzene	147.00	30	U	30	6.5
100-44-7	Benzyl chloride	126.58	26	U	26	5.9
104-51-8	n-Butylbenzene	134.22	27	U	27	7.5

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-20 Lab Sample ID: 200-5005-2
Matrix: Air Lab File ID: bkaj016.d
Analysis Method: TO-15 Date Collected: 04/28/2011 19:13
Sample wt/vol: 38 (mL) Date Analyzed: 05/05/2011 23:16
Soil Aliquot Vol: _____ Dilution Factor: 24.7
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	30	U	30	7.1
120-82-1	1,2,4-Trichlorobenzene	181.45	92	U	92	9.2
87-68-3	Hexachlorobutadiene	260.76	53	U	53	17
91-20-3	Naphthalene	128.17	65	U	65	11

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-2
Client Smp ID: SL-118-20
Inj Date : 05-MAY-2011 23:16
Operator : pad
Smp Info : 200-5005-A-2
Misc Info : 38,24.7, all74 cdf4.69
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 2
Dil Factor: 24.70000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	24.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	38.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50	3.344	3.339	(0.364)	802	0.02985	0.74(a)
6 Butane	43						
7 Vinyl chloride	62						
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	65004	0.37041	9.1
19 1,1-Dichloroethene	96	5.858	5.852	(0.637)	8729	0.10353	2.6(a)
20 Acetone	43	6.108	6.045	(0.664)	39708	0.44380	11(aQ)
21 Carbon disulfide	76						

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.418	6.322	(0.698)		104069	1.43160	35(a)
23 Allyl chloride	41		Compound Not Detected.						
25 Methylene chloride	49		6.808	6.802	(0.740)		5662	0.07753	1.9(a)
26 Tert-butyl alcohol	59		Compound Not Detected.						
27 Methyl tert-butyl ether	73		Compound Not Detected.						
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 1,1-Dichloroethane	63		7.939	7.934	(0.863)		6945	0.05064	1.3(a)
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.						
34 1,2-Dichloroethene (cis)	96		Compound Not Detected.						
36 Methyl Ethyl Ketone	72		8.932	8.857	(0.971)		1868	0.04593	1.1(aQM)
* 37 Bromochloromethane	128		9.199	9.199	(1.000)		902360	10.0000	
38 Tetrahydrofuran	42		Compound Not Detected.						
39 Chloroform	83		9.279	9.284	(1.009)		24599	0.14256	3.5(a)
40 Cyclohexane	84		Compound Not Detected.						
41 1,1,1-Trichloroethane	97		9.519	9.524	(0.897)		4175089	22.3403	550
42 Carbon tetrachloride	117		9.727	9.727	(0.917)		17877	0.08669	2.1(aM)
43 2,2,4-Trimethylpentane	57		Compound Not Detected.						
44 Benzene	78		Compound Not Detected.						
45 1,2-Dichloroethane	62		Compound Not Detected.						
46 n-Heptane	43		Compound Not Detected.						
* 47 1,4-Difluorobenzene	114		10.607	10.608	(1.000)		4404631	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)		2758029	21.8761	540
50 1,2-Dichloropropane	63		Compound Not Detected.						
51 Methyl methacrylate	69		Compound Not Detected.						
53 1,4-Dioxane	88		Compound Not Detected.						
54 Bromodichloromethane	83		Compound Not Detected.						
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.						
56 Methyl isobutyl ketone	43		Compound Not Detected.						
58 Toluene	92		12.758	12.748	(0.866)		13704	0.06640	1.6(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.						
60 1,1,2-Trichloroethane	83		Compound Not Detected.						
61 Tetrachloroethene	166		13.511	13.516	(0.917)		29613	0.16243	4.0(a)
62 2-Hexanone	43		Compound Not Detected.						
63 Dibromochloromethane	129		Compound Not Detected.						
64 1,2-Dibromoethane	107		Compound Not Detected.						
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)		3935099	10.0000	
66 Chlorobenzene	112		Compound Not Detected.						
68 Ethylbenzene	91		Compound Not Detected.						
69 Xylene (m,p)	106		Compound Not Detected.						
M 70 Xylenes, Total	106		Compound Not Detected.						
71 Xylene (o)	106		Compound Not Detected.						
72 Styrene	104		Compound Not Detected.						
73 Bromoform	173		Compound Not Detected.						
74 Isopropylbenzene	105		Compound Not Detected.						
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
76 n-Propylbenzene	91		Compound Not Detected.						

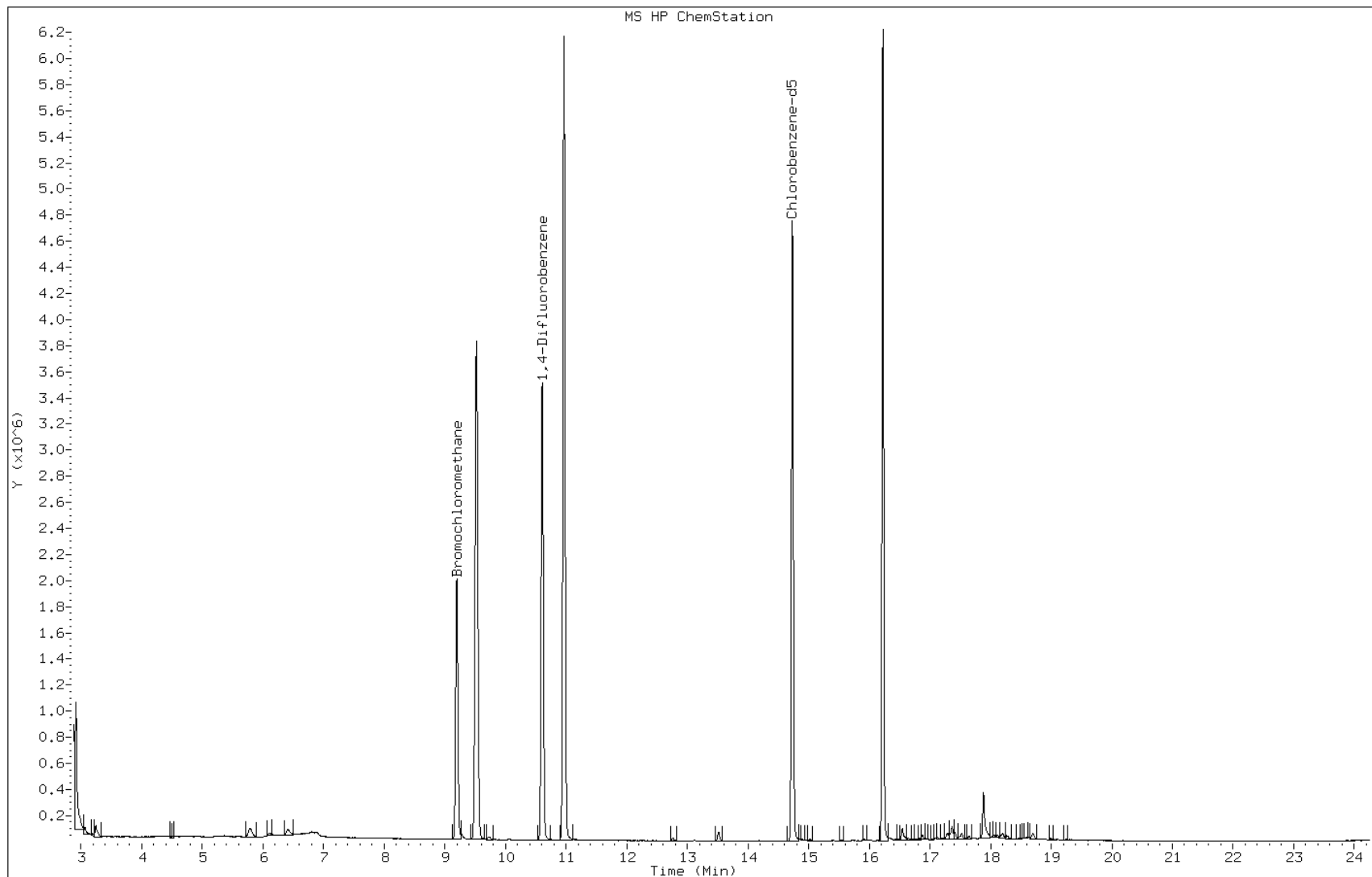
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj016.d
Client ID: SL-118-20
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-2
Lab Sample ID: 200-5005-2

Date: 05-MAY-2011 23:16
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj016.d

Lab Sample ID: 200-5005-2

Date: 05-MAY-2011 23:16

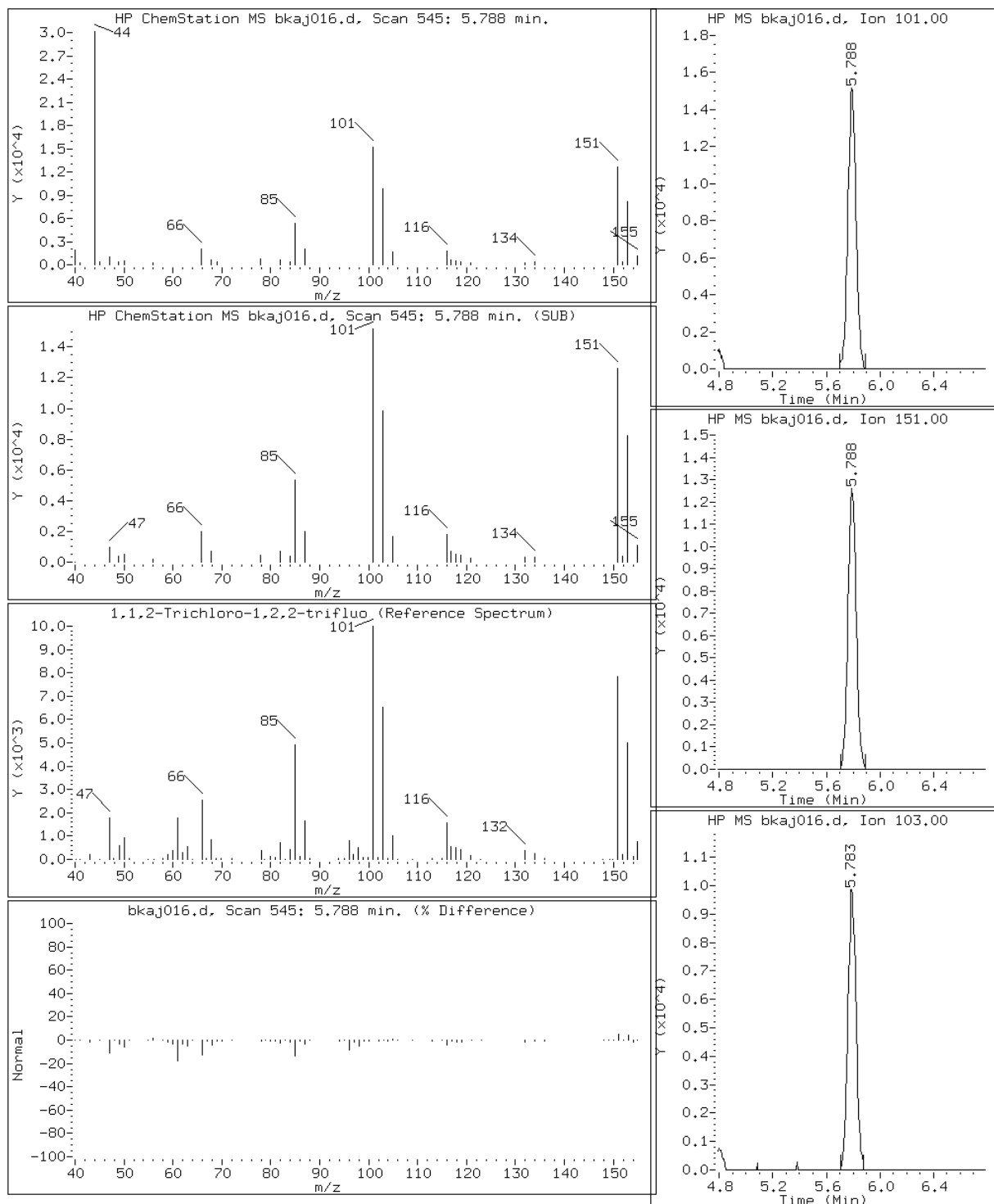
Client ID: SL-118-20

Instrument: B.i

Sample Info: 200-5005-A-2

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluoro



Data File: bkaj016.d

Lab Sample ID: 200-5005-2

Date: 05-MAY-2011 23:16

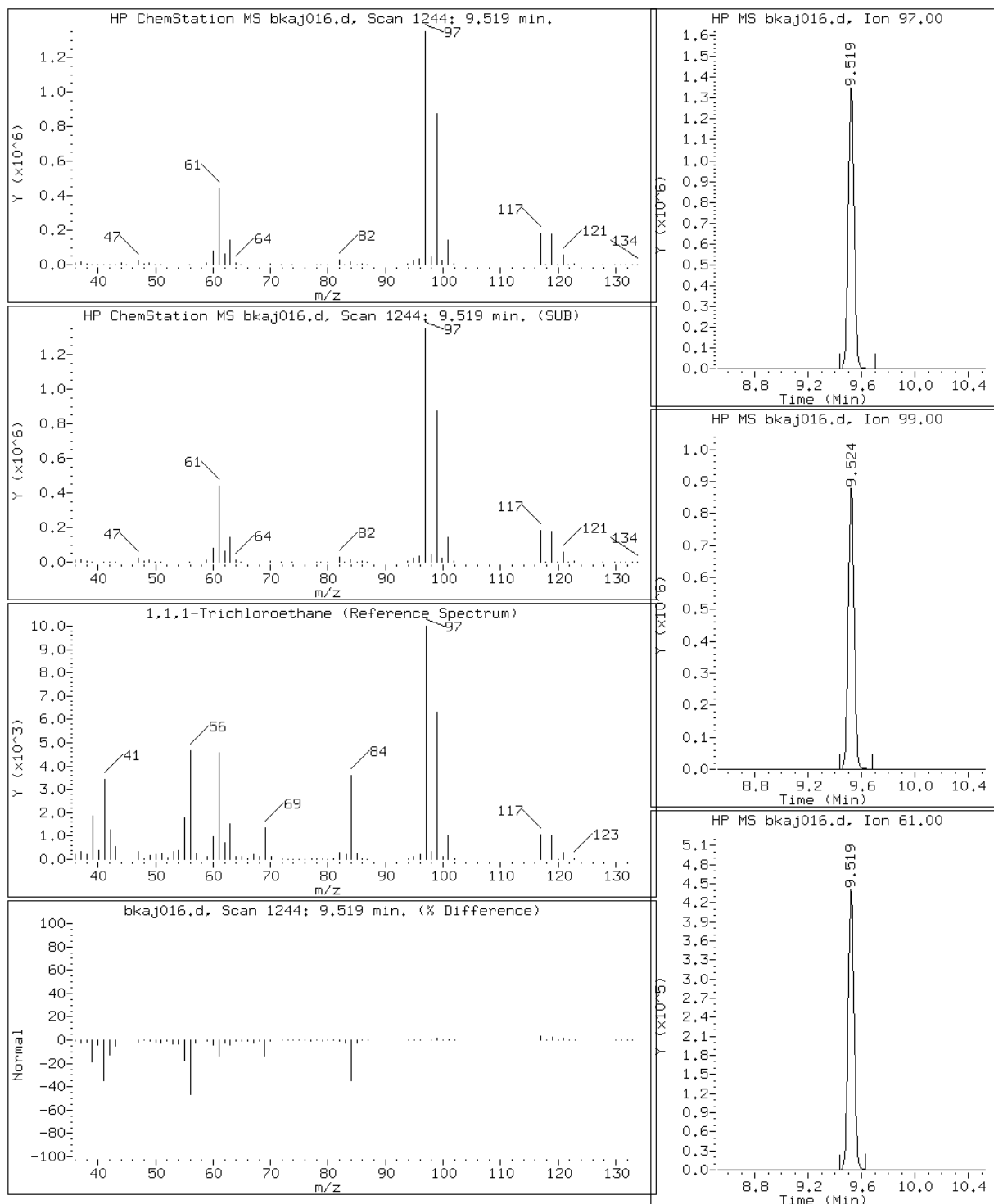
Client ID: SL-118-20

Instrument: B.i

Sample Info: 200-5005-A-2

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj016.d

Lab Sample ID: 200-5005-2

Date: 05-MAY-2011 23:16

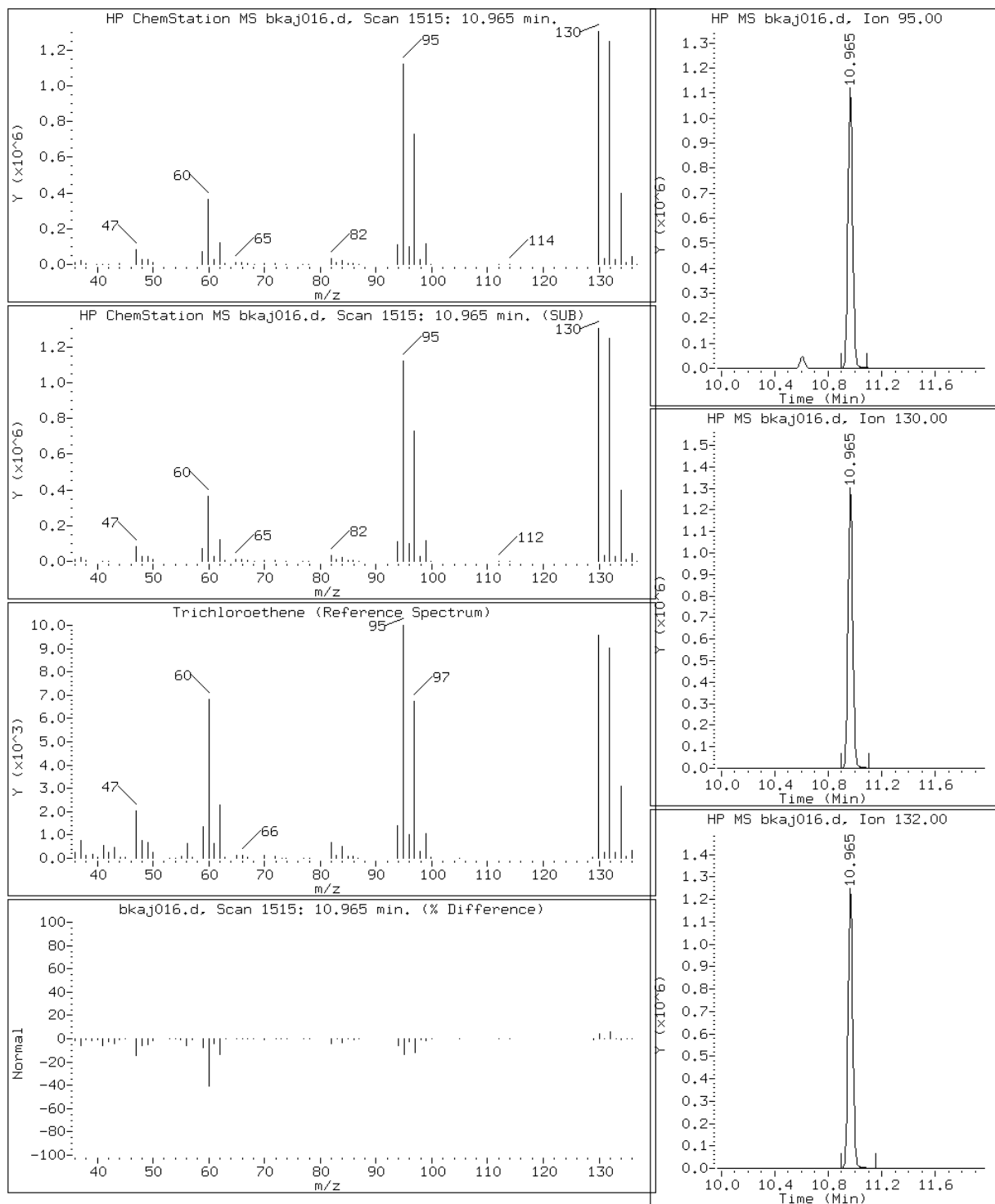
Client ID: SL-118-20

Instrument: B.i

Sample Info: 200-5005-A-2

Operator: pad

49 Trichloroethene

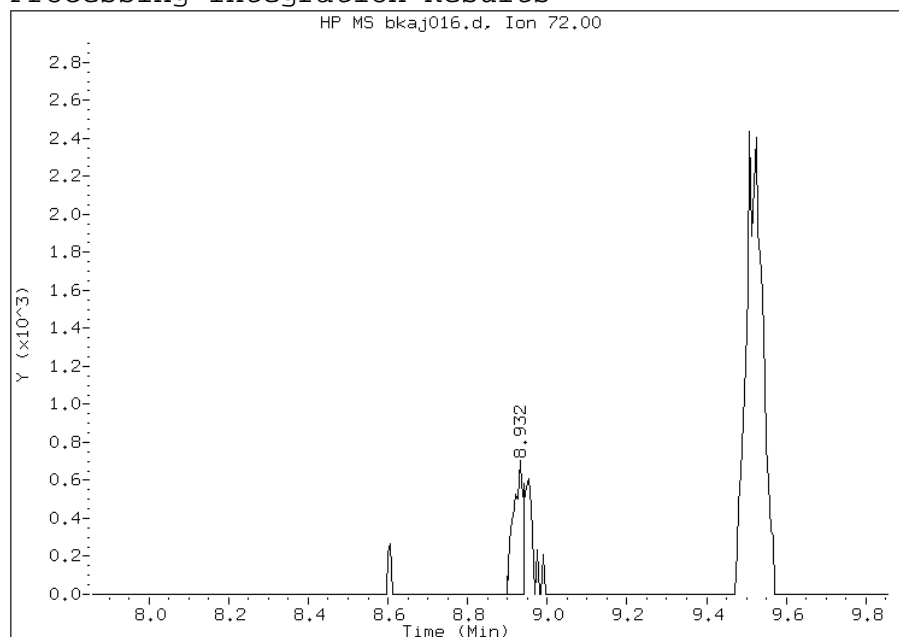


Manual Integration Report

Data File: bkaj016.d
Lab Sample ID: 200-5005-2
Inj. Date and Time: 05-MAY-2011 23:16
Instrument ID: B.i
Client ID: SL-118-20
Compound: 36 Methyl Ethyl Ketone
CAS #: 78-93-3
Report Date: 05/06/2011

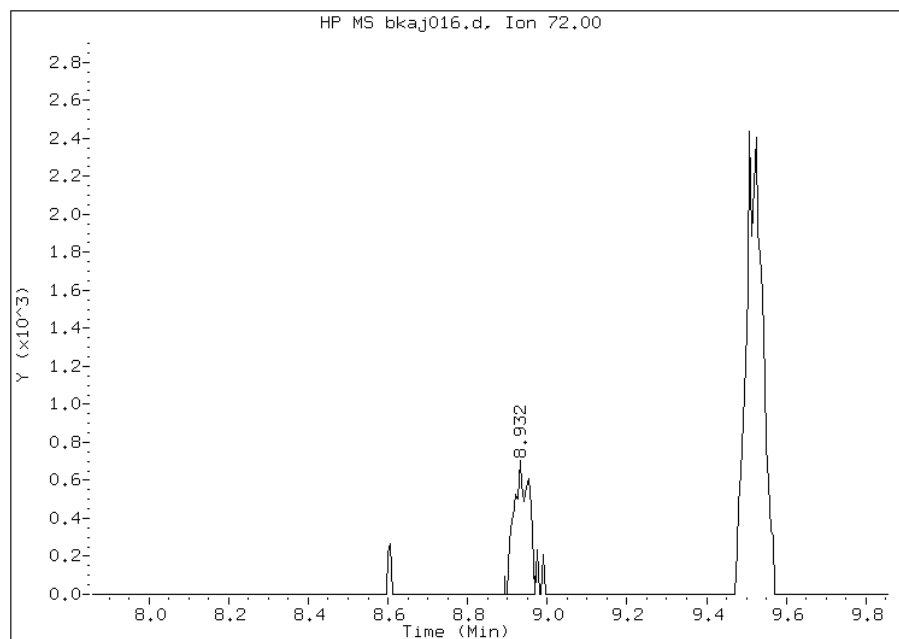
Processing Integration Results

RT: 8.93
Response: 1242
Amount: 0.030537
Conc: 0.754254



Manual Integration Results

RT: 8.93
Response: 1868
Amount: 0.045928
Conc: 1.13



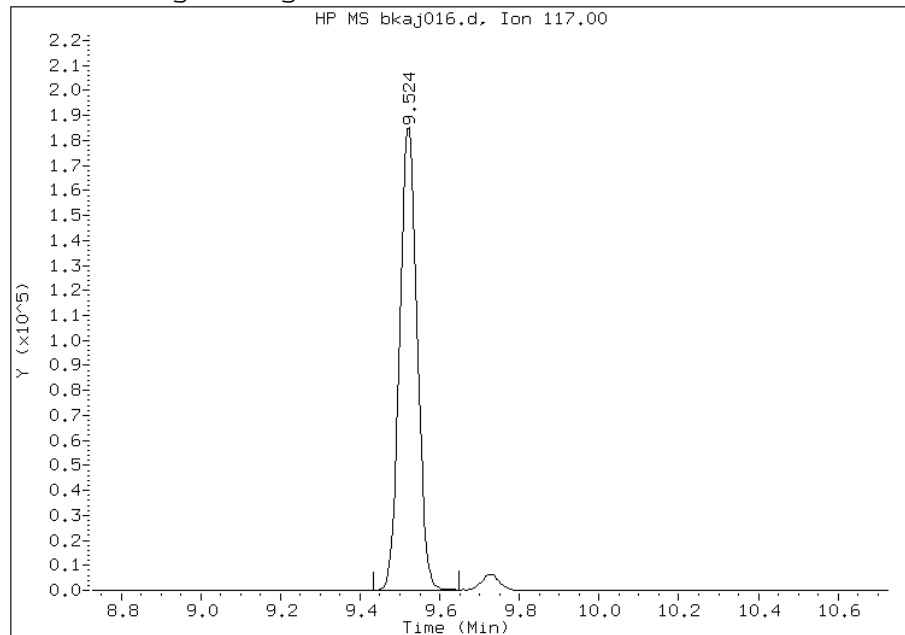
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bkaj016.d
Lab Sample ID: 200-5005-2
Inj. Date and Time: 05-MAY-2011 23:16
Instrument ID: B.i
Client ID: SL-118-20
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 05/06/2011

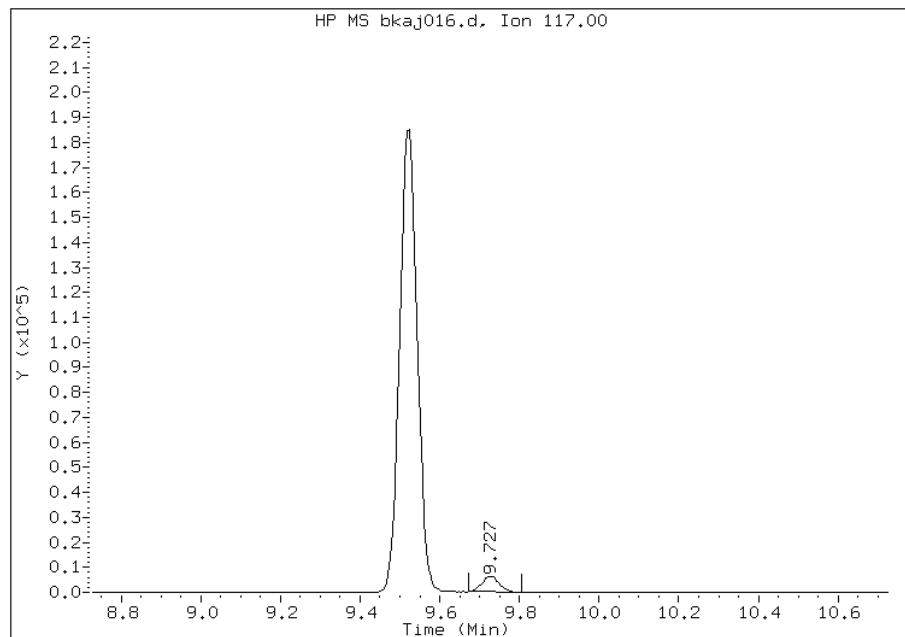
Processing Integration Results

RT: 9.52
Response: 570638
Amount: 2.77
Conc: 68.35



Manual Integration Results

RT: 9.73
Response: 17877
Amount: 0.086688
Conc: 2.14



File Uploaded By: pd
Manual Integration Reason: Analyte misidentified by the data system

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
 Matrix: Air Lab File ID: bkaj017.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
 Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
 Soil Aliquot Vol: Dilution Factor: 20.1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	10	U	10	0.76
75-45-6	Freon 22	86.47	10	U	10	0.68
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.0	U	4.0	0.64
74-87-3	Chloromethane	50.49	10	U	10	0.26
106-97-8	n-Butane	58.12	10	U	10	0.22
75-01-4	Vinyl chloride	62.50	4.0	U	4.0	0.58
106-99-0	1,3-Butadiene	54.09	4.0	U	4.0	0.20
74-83-9	Bromomethane	94.94	4.0	U	4.0	0.24
75-00-3	Chloroethane	64.52	10	U	10	0.32
593-60-2	Bromoethene (Vinyl Bromide)	106.96	4.0	U	4.0	0.38
75-69-4	Trichlorofluoromethane	137.37	4.0	U	4.0	0.68
76-13-1	Freon TF	187.38	6.6		4.0	0.20
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.60
67-64-1	Acetone	58.08	100	U	100	0.90
67-63-0	Isopropyl alcohol	60.10	100	U	100	0.74
75-15-0	Carbon disulfide	76.14	10	U	10	1.3
107-05-1	3-Chloropropene	76.53	10	U	10	0.38
75-09-2	Methylene Chloride	84.93	10	U	10	0.26
75-65-0	tert-Butyl alcohol	74.12	100	U	100	1.4
1634-04-4	Methyl tert-butyl ether	88.15	4.0	U	4.0	0.32
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.64
110-54-3	n-Hexane	86.17	4.0	U	4.0	0.52
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.70
78-93-3	Methyl Ethyl Ketone	72.11	10	U	10	0.34
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.28
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.28
67-66-3	Chloroform	119.38	4.0	U	4.0	0.62
109-99-9	Tetrahydrofuran	72.11	100	U	100	0.36
71-55-6	1,1,1-Trichloroethane	133.41	400		4.0	0.70
110-82-7	Cyclohexane	84.16	4.0	U	4.0	0.78
56-23-5	Carbon tetrachloride	153.81	4.0	U	4.0	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.0	U	4.0	0.72
71-43-2	Benzene	78.11	4.0	U	4.0	0.36
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.62
142-82-5	n-Heptane	100.21	4.0	U	4.0	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
 Matrix: Air Lab File ID: bkaj017.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
 Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
 Soil Aliquot Vol: Dilution Factor: 20.1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	440		4.0	0.60
80-62-6	Methyl methacrylate	100.12	10	U	10	0.26
78-87-5	1,2-Dichloropropane	112.99	4.0	U	4.0	0.28
123-91-1	1,4-Dioxane	88.11	100	U	100	1.8
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.56
10061-01-5	cis-1,3-Dichloropropene	110.97	4.0	U	4.0	0.32
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.52
108-88-3	Toluene	92.14	4.0	U	4.0	0.36
10061-02-6	trans-1,3-Dichloropropene	110.97	4.0	U	4.0	0.40
79-00-5	1,1,2-Trichloroethane	133.41	4.0	U	4.0	0.38
127-18-4	Tetrachloroethene	165.83	4.0	U	4.0	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	0.78
124-48-1	Dibromochloromethane	208.29	4.0	U	4.0	0.42
106-93-4	1,2-Dibromoethane	187.87	4.0	U	4.0	0.36
108-90-7	Chlorobenzene	112.30	4.0	U	4.0	0.40
100-41-4	Ethylbenzene	106.17	4.0	U	4.0	0.44
179601-23-1	m,p-Xylene	106.17	10	U	10	0.96
95-47-6	Xylene, o-	106.17	4.0	U	4.0	0.44
1330-20-7	Xylene (total)	106.17	4.0	U	4.0	0.44
100-42-5	Styrene	104.15	4.0	U	4.0	0.60
75-25-2	Bromoform	252.75	4.0	U	4.0	0.38
98-82-8	Cumene	120.19	4.0	U	4.0	0.62
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.0	U	4.0	0.80
103-65-1	n-Propylbenzene	120.19	4.0	U	4.0	1.0
622-96-8	4-Ethyltoluene	120.20	4.0	U	4.0	0.92
108-67-8	1,3,5-Trimethylbenzene	120.20	4.0	U	4.0	1.0
95-49-8	2-Chlorotoluene	126.59	4.0	U	4.0	0.94
98-06-6	tert-Butylbenzene	134.22	4.0	U	4.0	0.94
95-63-6	1,2,4-Trimethylbenzene	120.20	4.0	U	4.0	1.0
135-98-8	sec-Butylbenzene	134.22	4.0	U	4.0	0.94
99-87-6	4-Isopropyltoluene	134.22	4.0	U	4.0	0.96
541-73-1	1,3-Dichlorobenzene	147.00	4.0	U	4.0	0.88
106-46-7	1,4-Dichlorobenzene	147.00	4.0	U	4.0	0.88
100-44-7	Benzyl chloride	126.58	4.0	U	4.0	0.92
104-51-8	n-Butylbenzene	134.22	4.0	U	4.0	1.1

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
Matrix: Air Lab File ID: bkaj017.d
Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
Soil Aliquot Vol: _____ Dilution Factor: 20.1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.0	U	4.0	0.96
120-82-1	1,2,4-Trichlorobenzene	181.45	10	U	10	1.0
87-68-3	Hexachlorobutadiene	260.76	4.0	U	4.0	1.3
91-20-3	Naphthalene	128.17	10	U	10	1.7

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
 Matrix: Air Lab File ID: bkaj017.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
 Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
 Soil Aliquot Vol: _____ Dilution Factor: 20.1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	50	U	50	3.8
75-45-6	Freon 22	86.47	36	U	36	2.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	28	U	28	4.5
74-87-3	Chloromethane	50.49	21	U	21	0.54
106-97-8	n-Butane	58.12	24	U	24	0.53
75-01-4	Vinyl chloride	62.50	10	U	10	1.5
106-99-0	1,3-Butadiene	54.09	8.9	U	8.9	0.44
74-83-9	Bromomethane	94.94	16	U	16	0.94
75-00-3	Chloroethane	64.52	27	U	27	0.85
593-60-2	Bromoethene (Vinyl Bromide)	106.96	18	U	18	1.7
75-69-4	Trichlorofluoromethane	137.37	23	U	23	3.8
76-13-1	Freon TF	187.38	51		31	1.5
75-35-4	1,1-Dichloroethene	96.94	16	U	16	2.4
67-64-1	Acetone	58.08	240	U	240	2.1
67-63-0	Isopropyl alcohol	60.10	250	U	250	1.8
75-15-0	Carbon disulfide	76.14	31	U	31	4.1
107-05-1	3-Chloropropene	76.53	31	U	31	1.2
75-09-2	Methylene Chloride	84.93	35	U	35	0.91
75-65-0	tert-Butyl alcohol	74.12	300	U	300	4.3
1634-04-4	Methyl tert-butyl ether	88.15	14	U	14	1.2
156-60-5	trans-1,2-Dichloroethene	96.94	16	U	16	2.6
110-54-3	n-Hexane	86.17	14	U	14	1.8
75-34-3	1,1-Dichloroethane	98.96	16	U	16	2.8
78-93-3	Methyl Ethyl Ketone	72.11	30	U	30	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	16	U	16	1.1
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	1.1
67-66-3	Chloroform	119.38	20	U	20	3.0
109-99-9	Tetrahydrofuran	72.11	300	U	300	1.1
71-55-6	1,1,1-Trichloroethane	133.41	2200		22	3.8
110-82-7	Cyclohexane	84.16	14	U	14	2.7
56-23-5	Carbon tetrachloride	153.81	25	U	25	4.2
540-84-1	2,2,4-Trimethylpentane	114.23	19	U	19	3.4
71-43-2	Benzene	78.11	13	U	13	1.2
107-06-2	1,2-Dichloroethane	98.96	16	U	16	2.5
142-82-5	n-Heptane	100.21	16	U	16	0.82

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
 Matrix: Air Lab File ID: bkaj017.d
 Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
 Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
 Soil Aliquot Vol: Dilution Factor: 20.1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2400		22	3.2
80-62-6	Methyl methacrylate	100.12	41	U	41	1.1
78-87-5	1,2-Dichloropropane	112.99	19	U	19	1.3
123-91-1	1,4-Dioxane	88.11	360	U	360	6.4
75-27-4	Bromodichloromethane	163.83	27	U	27	3.8
10061-01-5	cis-1,3-Dichloropropene	110.97	18	U	18	1.5
108-10-1	methyl isobutyl ketone	100.16	41	U	41	2.1
108-88-3	Toluene	92.14	15	U	15	1.4
10061-02-6	trans-1,3-Dichloropropene	110.97	18	U	18	1.8
79-00-5	1,1,2-Trichloroethane	133.41	22	U	22	2.1
127-18-4	Tetrachloroethene	165.83	27	U	27	1.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	41	U	41	3.2
124-48-1	Dibromochloromethane	208.29	34	U	34	3.6
106-93-4	1,2-Dibromoethane	187.87	31	U	31	2.8
108-90-7	Chlorobenzene	112.30	18	U	18	1.8
100-41-4	Ethylbenzene	106.17	17	U	17	1.9
179601-23-1	m,p-Xylene	106.17	44	U	44	4.2
95-47-6	Xylene, o-	106.17	17	U	17	1.9
1330-20-7	Xylene (total)	106.17	17	U	17	1.9
100-42-5	Styrene	104.15	17	U	17	2.6
75-25-2	Bromoform	252.75	42	U	42	3.9
98-82-8	Cumene	120.19	20	U	20	3.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	28	U	28	5.5
103-65-1	n-Propylbenzene	120.19	20	U	20	4.9
622-96-8	4-Ethyltoluene	120.20	20	U	20	4.5
108-67-8	1,3,5-Trimethylbenzene	120.20	20	U	20	5.0
95-49-8	2-Chlorotoluene	126.59	21	U	21	4.9
98-06-6	tert-Butylbenzene	134.22	22	U	22	5.2
95-63-6	1,2,4-Trimethylbenzene	120.20	20	U	20	5.1
135-98-8	sec-Butylbenzene	134.22	22	U	22	5.2
99-87-6	4-Isopropyltoluene	134.22	22	U	22	5.3
541-73-1	1,3-Dichlorobenzene	147.00	24	U	24	5.3
106-46-7	1,4-Dichlorobenzene	147.00	24	U	24	5.3
100-44-7	Benzyl chloride	126.58	21	U	21	4.8
104-51-8	n-Butylbenzene	134.22	22	U	22	6.1

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-118-END Lab Sample ID: 200-5005-3
Matrix: Air Lab File ID: bkaj017.d
Analysis Method: TO-15 Date Collected: 04/28/2011 20:50
Sample wt/vol: 45 (mL) Date Analyzed: 05/06/2011 00:09
Soil Aliquot Vol: _____ Dilution Factor: 20.1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	24	U	24	5.8
120-82-1	1,2,4-Trichlorobenzene	181.45	75	U	75	7.5
87-68-3	Hexachlorobutadiene	260.76	43	U	43	14
91-20-3	Naphthalene	128.17	53	U	53	9.1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-3
Client Smp ID: SL-118-END
Inj Date : 06-MAY-2011 00:09
Operator : pad
Smp Info : 200-5005-A-3
Misc Info : 45,20.1, all74 cdf4.53
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 3
Dil Factor: 20.10000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	20.10000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	45.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85		3.040	3.040	(0.330)	4918	0.03973	0.80(a)
3 Chlorodifluoromethane	51		3.072	3.072	(0.334)	24948	0.48540	9.8(aM)
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50		3.344	3.339	(0.364)	831	0.03226	0.65(a)
6 Butane	43							
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
17 1,1,2-Trichloro-1,2,2-trifluo	101		5.794	5.788	(0.630)	55611	0.33053	6.6
19 1,1-Dichloroethene	96		5.863	5.852	(0.637)	7618	0.09424	1.9(a)
20 Acetone	43		6.103	6.045	(0.663)	82059	0.95661	19(a)
21 Carbon disulfide	76							

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.418	6.322	(0.698)	169251	2.42846	49(a)
23 Allyl chloride	41		Compound Not Detected.					
25 Methylene chloride	49		6.813	6.802	(0.741)	6382	0.09115	1.8(a)
26 Tert-butyl alcohol	59		Compound Not Detected.					
27 Methyl tert-butyl ether	73		Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.					
30 n-Hexane	57		Compound Not Detected.					
31 1,1-Dichloroethane	63		7.929	7.934	(0.862)	8087	0.06151	1.2(a)
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.					
34 1,2-Dichloroethene (cis)	96		Compound Not Detected.					
36 Methyl Ethyl Ketone	72		8.932	8.857	(0.971)	3941	0.10107	2.0(aQ)
* 37 Bromochloromethane	128		9.199	9.199	(1.000)	865128	10.0000	
38 Tetrahydrofuran	42		Compound Not Detected.					
39 Chloroform	83		9.284	9.284	(1.009)	24311	0.14695	3.0(a)
40 Cyclohexane	84		Compound Not Detected.					
41 1,1,1-Trichloroethane	97		9.519	9.524	(0.897)	3622241	20.0881	400
42 Carbon tetrachloride	117		9.727	9.727	(0.917)	17186	0.08637	1.7(aM)
43 2,2,4-Trimethylpentane	57		Compound Not Detected.					
44 Benzene	78		10.058	10.053	(0.948)	5522	0.02133	0.43(a)
45 1,2-Dichloroethane	62		Compound Not Detected.					
46 n-Heptane	43		Compound Not Detected.					
* 47 1,4-Difluorobenzene	114		10.608	10.608	(1.000)	4249837	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)	2692278	22.1323	440
50 1,2-Dichloropropane	63		Compound Not Detected.					
51 Methyl methacrylate	69		Compound Not Detected.					
53 1,4-Dioxane	88		Compound Not Detected.					
54 Bromodichloromethane	83		Compound Not Detected.					
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.					
56 Methyl isobutyl ketone	43		Compound Not Detected.					
58 Toluene	92		12.758	12.748	(0.866)	23604	0.11835	2.4(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.					
60 1,1,2-Trichloroethane	83		Compound Not Detected.					
61 Tetrachloroethene	166		13.522	13.516	(0.918)	30598	0.17367	3.5(a)
62 2-Hexanone	43		Compound Not Detected.					
63 Dibromochloromethane	129		Compound Not Detected.					
64 1,2-Dibromoethane	107		Compound Not Detected.					
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)	3802954	10.0000	
66 Chlorobenzene	112		Compound Not Detected.					
68 Ethylbenzene	91		Compound Not Detected.					
69 Xylene (m,p)	106		Compound Not Detected.					
M 70 Xylenes, Total	106		Compound Not Detected.					
71 Xylene (o)	106		Compound Not Detected.					
72 Styrene	104		Compound Not Detected.					
73 Bromoform	173		Compound Not Detected.					
74 Isopropylbenzene	105		Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.					
76 n-Propylbenzene	91		Compound Not Detected.					

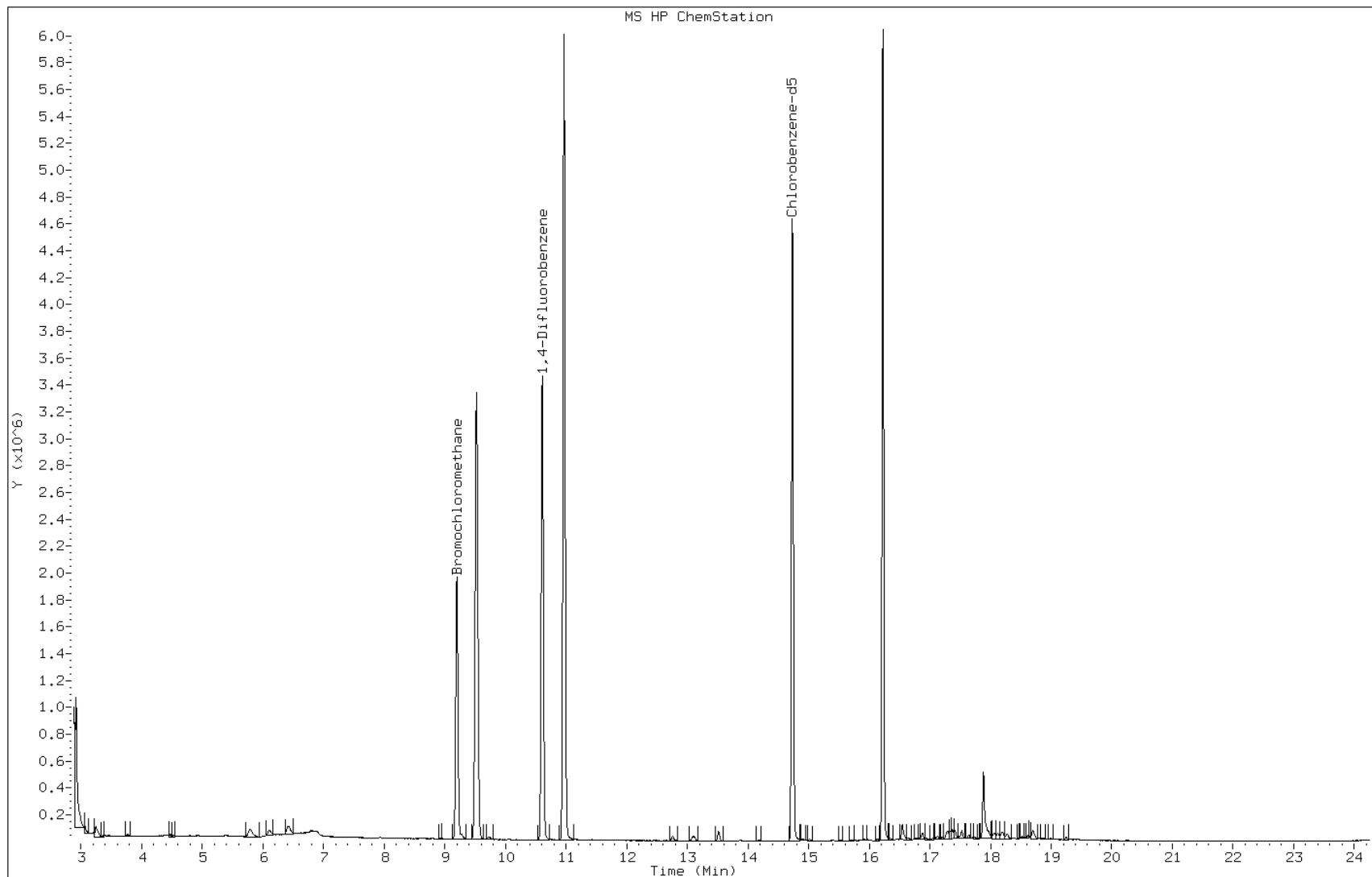
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj017.d
Client ID: SL-118-END
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-3
Lab Sample ID: 200-5005-3

Date: 06-MAY-2011 00:09
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj017.d

Lab Sample ID: 200-5005-3

Date: 06-MAY-2011 00:09

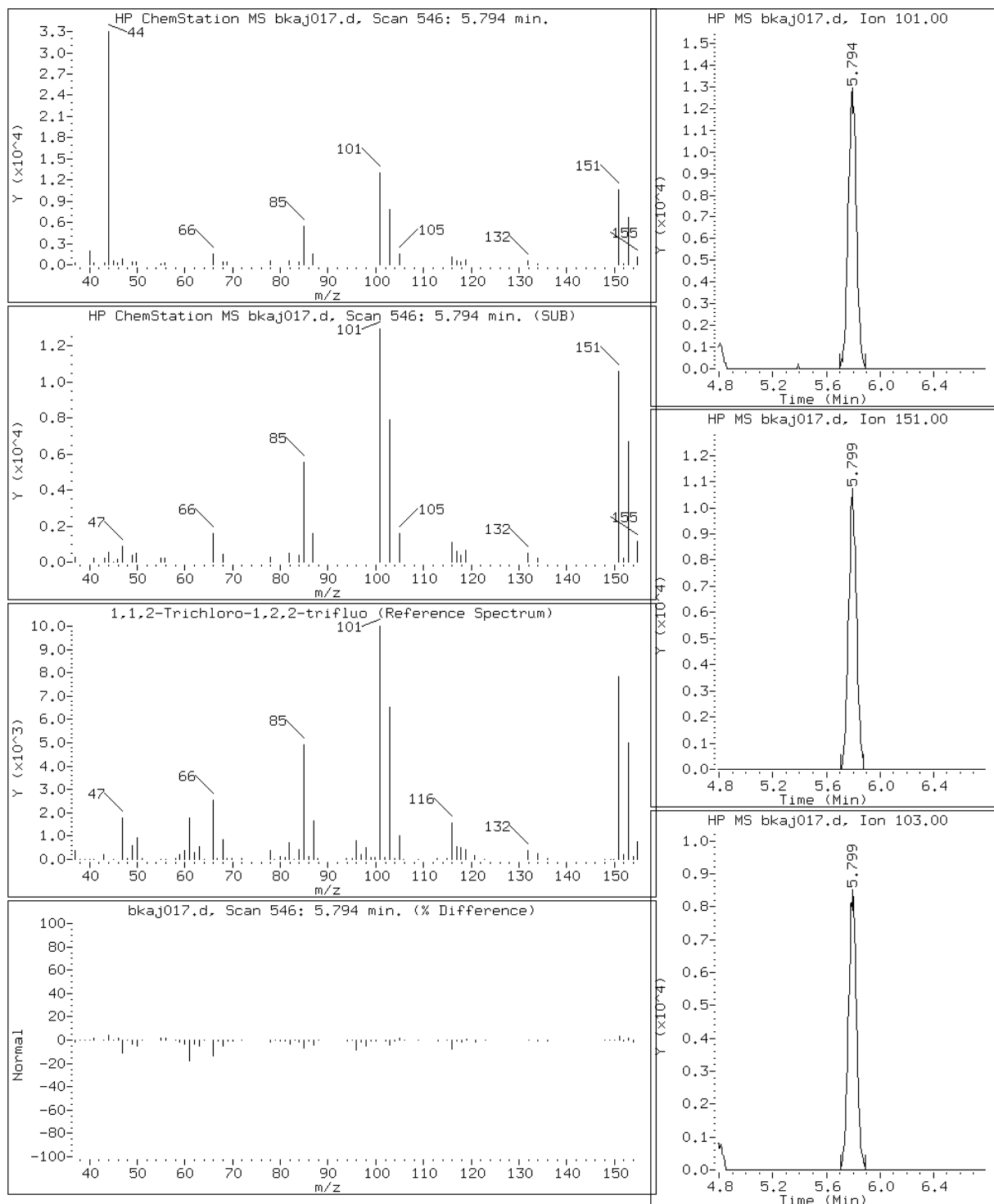
Client ID: SL-118-END

Instrument: B.i

Sample Info: 200-5005-A-3

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



Data File: bkaj017.d

Lab Sample ID: 200-5005-3

Date: 06-MAY-2011 00:09

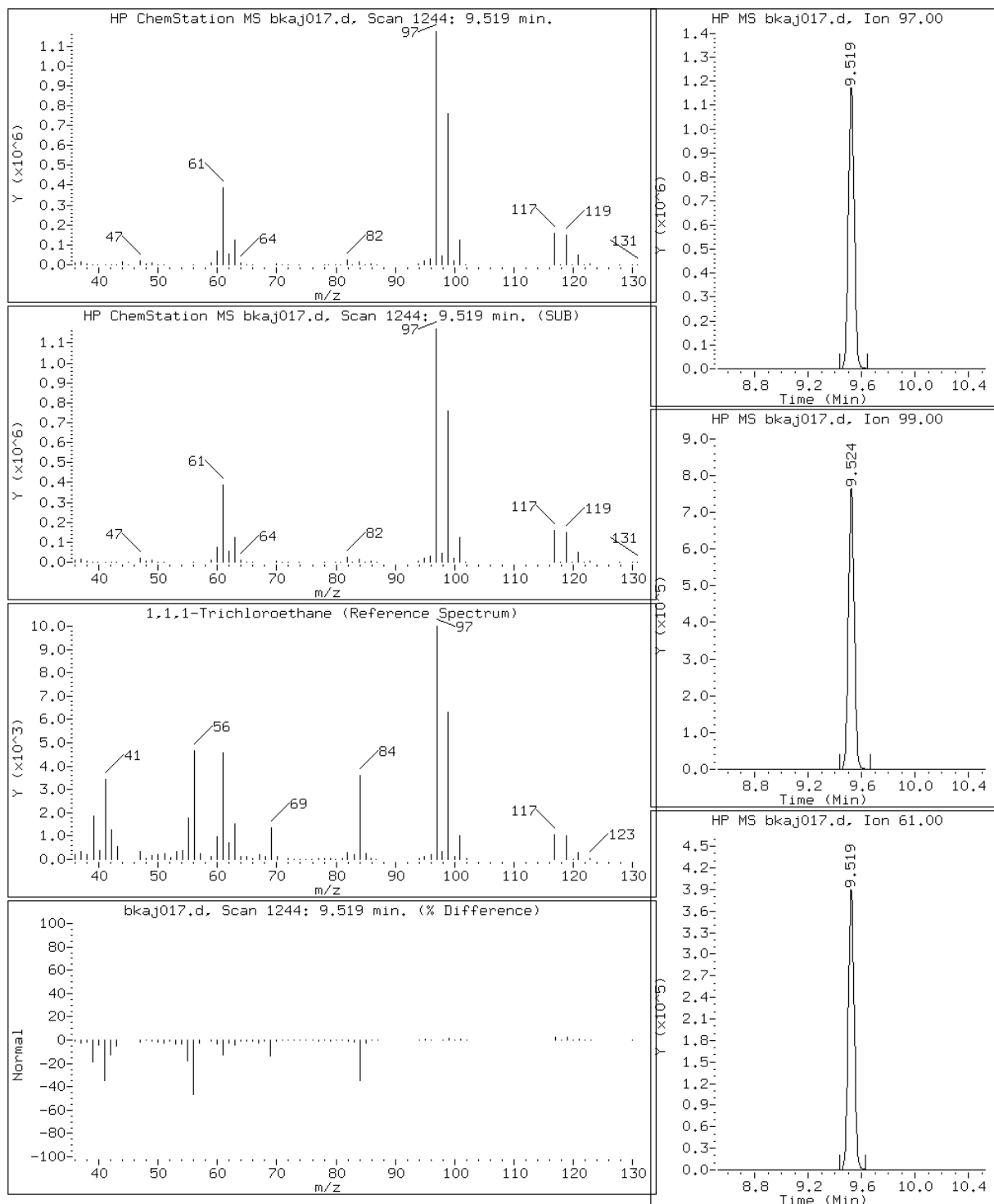
Client ID: SL-118-END

Instrument: B.i

Sample Info: 200-5005-A-3

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj017.d

Lab Sample ID: 200-5005-3

Date: 06-MAY-2011 00:09

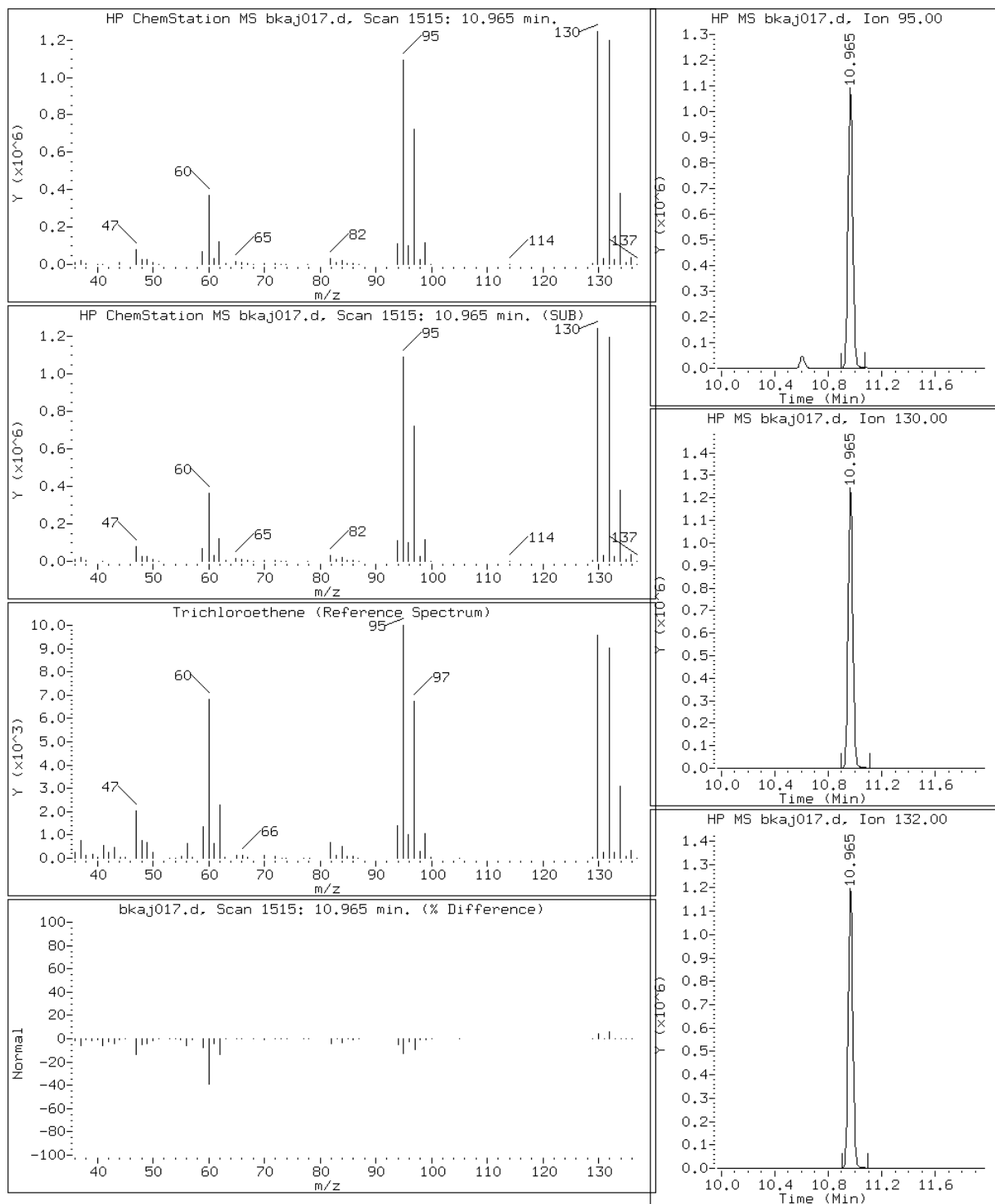
Client ID: SL-118-END

Instrument: B.i

Sample Info: 200-5005-A-3

Operator: pad

49 Trichloroethene



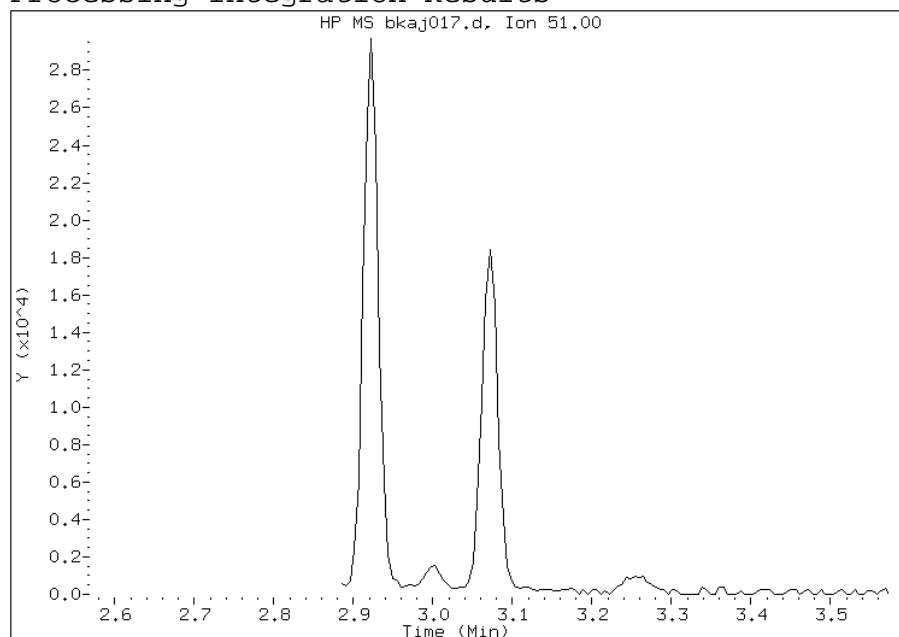
Manual Integration Report

Data File: bkaj017.d
Lab Sample ID: 200-5005-3
Inj. Date and Time: 06-MAY-2011 00:09
Instrument ID: B.i
Client ID: SL-118-END
Compound: 3 Chlorodifluoromethane
CAS #: 75-45-6
Report Date: 05/06/2011

Processing Integration Results

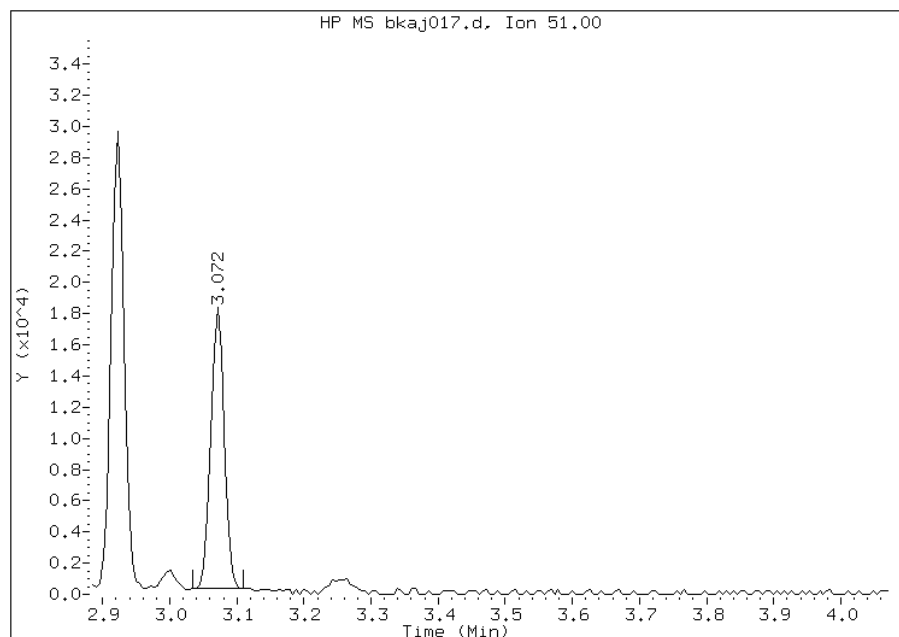
Not Detected

Expected RT: 3.07



Manual Integration Results

RT: 3.07
Response: 24948
Amount: 0.485399
Conc: 9.76



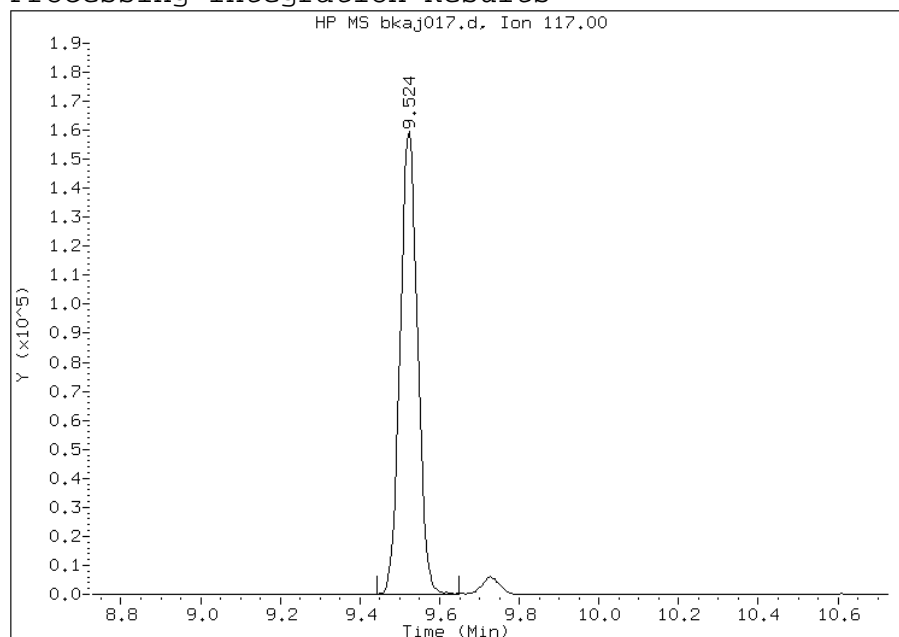
File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: bkaj017.d
Lab Sample ID: 200-5005-3
Inj. Date and Time: 06-MAY-2011 00:09
Instrument ID: B.i
Client ID: SL-118-END
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 05/06/2011

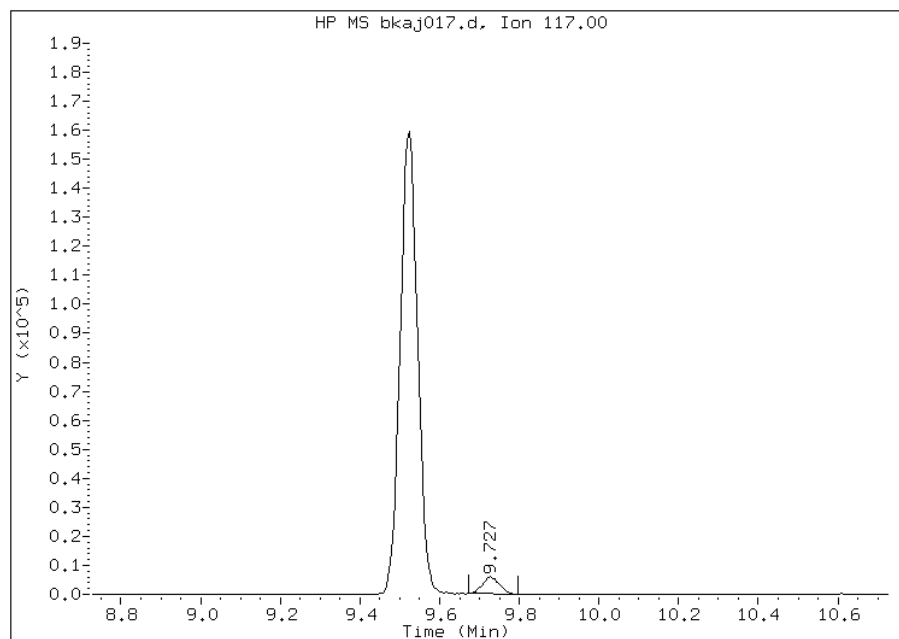
Processing Integration Results

RT: 9.52
Response: 488997
Amount: 2.46
Conc: 49.40



Manual Integration Results

RT: 9.73
Response: 17186
Amount: 0.086373
Conc: 1.74



File Uploaded By: pd
Manual Integration Reason: Analyte misidentified by the data system

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
 Matrix: Air Lab File ID: bkaj024.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
 Sample wt/vol: 58(mL) Date Analyzed: 05/06/2011 09:23
 Soil Aliquot Vol: _____ Dilution Factor: 678
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	340	U	340	26
75-45-6	Freon 22	86.47	340	U	340	23
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	140	U	140	22
74-87-3	Chloromethane	50.49	340	U	340	8.8
106-97-8	n-Butane	58.12	340	U	340	7.5
75-01-4	Vinyl chloride	62.50	140	U	140	20
106-99-0	1,3-Butadiene	54.09	140	U	140	6.8
74-83-9	Bromomethane	94.94	140	U	140	8.1
75-00-3	Chloroethane	64.52	340	U	340	11
593-60-2	Bromoethene (Vinyl Bromide)	106.96	140	U	140	13
75-69-4	Trichlorofluoromethane	137.37	140	U	140	23
76-13-1	Freon TF	187.38	140	U	140	6.8
75-35-4	1,1-Dichloroethene	96.94	140	U	140	20
67-64-1	Acetone	58.08	3400	U	3400	31
67-63-0	Isopropyl alcohol	60.10	3400	U	3400	25
75-15-0	Carbon disulfide	76.14	340	U	340	45
107-05-1	3-Chloropropene	76.53	340	U	340	13
75-09-2	Methylene Chloride	84.93	340	U	340	8.8
75-65-0	tert-Butyl alcohol	74.12	3400	U	3400	48
1634-04-4	Methyl tert-butyl ether	88.15	140	U	140	11
156-60-5	trans-1,2-Dichloroethene	96.94	330		140	22
110-54-3	n-Hexane	86.17	140	U	140	18
75-34-3	1,1-Dichloroethane	98.96	140	U	140	24
78-93-3	Methyl Ethyl Ketone	72.11	340	U	340	12
156-59-2	cis-1,2-Dichloroethene	96.94	780		140	9.5
540-59-0	1,2-Dichloroethene, Total	96.94	1100		140	9.5
67-66-3	Chloroform	119.38	140	U	140	21
109-99-9	Tetrahydrofuran	72.11	3400	U	3400	12
71-55-6	1,1,1-Trichloroethane	133.41	200		140	24
110-82-7	Cyclohexane	84.16	140	U	140	26
56-23-5	Carbon tetrachloride	153.81	140	U	140	22
540-84-1	2,2,4-Trimethylpentane	114.23	140	U	140	24
71-43-2	Benzene	78.11	140	U	140	12
107-06-2	1,2-Dichloroethane	98.96	140	U	140	21
142-82-5	n-Heptane	100.21	140	U	140	6.8

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
 Matrix: Air Lab File ID: bkaj024.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
 Sample wt/vol: 58(mL) Date Analyzed: 05/06/2011 09:23
 Soil Aliquot Vol: _____ Dilution Factor: 678
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	21000		140	20
80-62-6	Methyl methacrylate	100.12	340	U	340	8.8
78-87-5	1,2-Dichloropropane	112.99	140	U	140	9.5
123-91-1	1,4-Dioxane	88.11	3400	U	3400	60
75-27-4	Bromodichloromethane	163.83	140	U	140	19
10061-01-5	cis-1,3-Dichloropropene	110.97	140	U	140	11
108-10-1	methyl isobutyl ketone	100.16	340	U	340	18
108-88-3	Toluene	92.14	140	U	140	12
10061-02-6	trans-1,3-Dichloropropene	110.97	140	U	140	14
79-00-5	1,1,2-Trichloroethane	133.41	140	U	140	13
127-18-4	Tetrachloroethene	165.83	180		140	7.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	340	U	340	26
124-48-1	Dibromochloromethane	208.29	140	U	140	14
106-93-4	1,2-Dibromoethane	187.87	140	U	140	12
108-90-7	Chlorobenzene	112.30	140	U	140	14
100-41-4	Ethylbenzene	106.17	140	U	140	15
179601-23-1	m,p-Xylene	106.17	340	U	340	33
95-47-6	Xylene, o-	106.17	140	U	140	15
1330-20-7	Xylene (total)	106.17	140	U	140	15
100-42-5	Styrene	104.15	140	U	140	20
75-25-2	Bromoform	252.75	140	U	140	13
98-82-8	Cumene	120.19	140	U	140	21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	140	U	140	27
103-65-1	n-Propylbenzene	120.19	140	U	140	34
622-96-8	4-Ethyltoluene	120.20	140	U	140	31
108-67-8	1,3,5-Trimethylbenzene	120.20	140	U	140	35
95-49-8	2-Chlorotoluene	126.59	140	U	140	32
98-06-6	tert-Butylbenzene	134.22	140	U	140	32
95-63-6	1,2,4-Trimethylbenzene	120.20	140	U	140	35
135-98-8	sec-Butylbenzene	134.22	140	U	140	32
99-87-6	4-Isopropyltoluene	134.22	140	U	140	33
541-73-1	1,3-Dichlorobenzene	147.00	140	U	140	30
106-46-7	1,4-Dichlorobenzene	147.00	140	U	140	30
100-44-7	Benzyl chloride	126.58	140	U	140	31
104-51-8	n-Butylbenzene	134.22	140	U	140	37

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
Matrix: Air Lab File ID: bkaj024.d
Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
Sample wt/vol: 58 (mL) Date Analyzed: 05/06/2011 09:23
Soil Aliquot Vol: _____ Dilution Factor: 678
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	140	U	140	33
120-82-1	1,2,4-Trichlorobenzene	181.45	340	U	340	34
87-68-3	Hexachlorobutadiene	260.76	140	U	140	44
91-20-3	Naphthalene	128.17	340	U	340	58

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
 Matrix: Air Lab File ID: bkaj024.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
 Sample wt/vol: 58(mL) Date Analyzed: 05/06/2011 09:23
 Soil Aliquot Vol: _____ Dilution Factor: 678
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1700	U	1700	130
75-45-6	Freon 22	86.47	1200	U	1200	82
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	950	U	950	150
74-87-3	Chloromethane	50.49	700	U	700	18
106-97-8	n-Butane	58.12	810	U	810	18
75-01-4	Vinyl chloride	62.50	350	U	350	50
106-99-0	1,3-Butadiene	54.09	300	U	300	15
74-83-9	Bromomethane	94.94	530	U	530	32
75-00-3	Chloroethane	64.52	890	U	890	29
593-60-2	Bromoethene (Vinyl Bromide)	106.96	590	U	590	56
75-69-4	Trichlorofluoromethane	137.37	760	U	760	130
76-13-1	Freon TF	187.38	1000	U	1000	52
75-35-4	1,1-Dichloroethene	96.94	540	U	540	81
67-64-1	Acetone	58.08	8100	U	8100	72
67-63-0	Isopropyl alcohol	60.10	8300	U	8300	62
75-15-0	Carbon disulfide	76.14	1100	U	1100	140
107-05-1	3-Chloropropene	76.53	1100	U	1100	40
75-09-2	Methylene Chloride	84.93	1200	U	1200	31
75-65-0	tert-Butyl alcohol	74.12	10000	U	10000	150
1634-04-4	Methyl tert-butyl ether	88.15	490	U	490	39
156-60-5	trans-1,2-Dichloroethene	96.94	1300		540	86
110-54-3	n-Hexane	86.17	480	U	480	62
75-34-3	1,1-Dichloroethane	98.96	550	U	550	96
78-93-3	Methyl Ethyl Ketone	72.11	1000	U	1000	34
156-59-2	cis-1,2-Dichloroethene	96.94	3100		540	38
540-59-0	1,2-Dichloroethene, Total	96.94	4400		540	38
67-66-3	Chloroform	119.38	660	U	660	100
109-99-9	Tetrahydrofuran	72.11	10000	U	10000	36
71-55-6	1,1,1-Trichloroethane	133.41	1100		740	130
110-82-7	Cyclohexane	84.16	470	U	470	91
56-23-5	Carbon tetrachloride	153.81	850	U	850	140
540-84-1	2,2,4-Trimethylpentane	114.23	630	U	630	110
71-43-2	Benzene	78.11	430	U	430	39
107-06-2	1,2-Dichloroethane	98.96	550	U	550	85
142-82-5	n-Heptane	100.21	560	U	560	28

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
 Matrix: Air Lab File ID: bkaj024.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
 Sample wt/vol: 58(mL) Date Analyzed: 05/06/2011 09:23
 Soil Aliquot Vol: Dilution Factor: 678
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	110000		730	110
80-62-6	Methyl methacrylate	100.12	1400	U	1400	36
78-87-5	1,2-Dichloropropane	112.99	630	U	630	44
123-91-1	1,4-Dioxane	88.11	12000	U	12000	220
75-27-4	Bromodichloromethane	163.83	910	U	910	130
10061-01-5	cis-1,3-Dichloropropene	110.97	620	U	620	49
108-10-1	methyl isobutyl ketone	100.16	1400	U	1400	72
108-88-3	Toluene	92.14	510	U	510	46
10061-02-6	trans-1,3-Dichloropropene	110.97	620	U	620	62
79-00-5	1,1,2-Trichloroethane	133.41	740	U	740	70
127-18-4	Tetrachloroethene	165.83	1200		920	51
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1400	U	1400	110
124-48-1	Dibromochloromethane	208.29	1200	U	1200	120
106-93-4	1,2-Dibromoethane	187.87	1000	U	1000	94
108-90-7	Chlorobenzene	112.30	620	U	620	62
100-41-4	Ethylbenzene	106.17	590	U	590	65
179601-23-1	m,p-Xylene	106.17	1500	U	1500	140
95-47-6	Xylene, o-	106.17	590	U	590	65
1330-20-7	Xylene (total)	106.17	590	U	590	65
100-42-5	Styrene	104.15	580	U	580	87
75-25-2	Bromoform	252.75	1400	U	1400	130
98-82-8	Cumene	120.19	670	U	670	100
79-34-5	1,1,2,2-Tetrachloroethane	167.85	930	U	930	190
103-65-1	n-Propylbenzene	120.19	670	U	670	170
622-96-8	4-Ethyltoluene	120.20	670	U	670	150
108-67-8	1,3,5-Trimethylbenzene	120.20	670	U	670	170
95-49-8	2-Chlorotoluene	126.59	700	U	700	160
98-06-6	tert-Butylbenzene	134.22	740	U	740	170
95-63-6	1,2,4-Trimethylbenzene	120.20	670	U	670	170
135-98-8	sec-Butylbenzene	134.22	740	U	740	170
99-87-6	4-Isopropyltoluene	134.22	740	U	740	180
541-73-1	1,3-Dichlorobenzene	147.00	820	U	820	180
106-46-7	1,4-Dichlorobenzene	147.00	820	U	820	180
100-44-7	Benzyl chloride	126.58	700	U	700	160
104-51-8	n-Butylbenzene	134.22	740	U	740	200

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-5 Lab Sample ID: 200-5005-4
Matrix: Air Lab File ID: bkaj024.d
Analysis Method: TO-15 Date Collected: 04/29/2011 11:21
Sample wt/vol: 58 (mL) Date Analyzed: 05/06/2011 09:23
Soil Aliquot Vol: _____ Dilution Factor: 678
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	820	U	820	200
120-82-1	1,2,4-Trichlorobenzene	181.45	2500	U	2500	250
87-68-3	Hexachlorobutadiene	260.76	1400	U	1400	470
91-20-3	Naphthalene	128.17	1800	U	1800	310

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-4
Client Smp ID: SL-084-5
Inj Date : 06-MAY-2011 09:23
Operator : pad
Smp Info : 200-5005-A-4
Misc Info : 58,678, all74 cdf196.48
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 4
Dil Factor: 678.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	678.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	58.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	1791	0.01329	9.0(aQM)
19 1,1-Dichloroethene	96				Compound Not Detected.		
20 Acetone	43	6.114	6.045	(0.665)	8075	0.11752	80(a)
21 Carbon disulfide	76				Compound Not Detected.		

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
=====	=====		==	=====	=====			=====	=====	
22 Isopropanol	45							Compound Not Detected.		
23 Allyl chloride	41							Compound Not Detected.		
25 Methylene chloride	49		6.797	6.802	(0.739)			3835	0.06838	46(aQ)
26 Tert-butyl alcohol	59							Compound Not Detected.		
27 Methyl tert-butyl ether	73							Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61		7.197	7.203	(0.783)			40170	0.48110	330
30 n-Hexane	57							Compound Not Detected.		
31 1,1-Dichloroethane	63							Compound Not Detected.		
M 33 1,2-Dichloroethene, Total	61							124082	1.62720	1100
34 1,2-Dichloroethene (cis)	96		8.830	8.836	(0.961)			83912	1.14610	780
36 Methyl Ethyl Ketone	72							Compound Not Detected.		
* 37 Bromochloromethane	128		9.193	9.199	(1.000)			692972	10.0000	
38 Tetrahydrofuran	42							Compound Not Detected.		
39 Chloroform	83							Compound Not Detected.		
40 Cyclohexane	84							Compound Not Detected.		
41 1,1,1-Trichloroethane	97		9.514	9.524	(0.897)			43719	0.30006	200
42 Carbon tetrachloride	117							Compound Not Detected.		
43 2,2,4-Trimethylpentane	57							Compound Not Detected.		
44 Benzene	78							Compound Not Detected.		
45 1,2-Dichloroethane	62							Compound Not Detected.		
46 n-Heptane	43							Compound Not Detected.		
* 47 1,4-Difluorobenzene	114		10.602	10.608	(1.000)			3433917	10.0000	
49 Trichloroethene	95		10.960	10.971	(1.034)			3015805	30.6827	21000
50 1,2-Dichloropropane	63							Compound Not Detected.		
51 Methyl methacrylate	69							Compound Not Detected.		
53 1,4-Dioxane	88							Compound Not Detected.		
54 Bromodichloromethane	83							Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75							Compound Not Detected.		
56 Methyl isobutyl ketone	43							Compound Not Detected.		
58 Toluene	92							Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75							Compound Not Detected.		
60 1,1,2-Trichloroethane	83							Compound Not Detected.		
61 Tetrachloroethene	166		13.511	13.516	(0.917)			37327	0.26186	180
62 2-Hexanone	43							Compound Not Detected.		
63 Dibromochloromethane	129							Compound Not Detected.		
64 1,2-Dibromoethane	107							Compound Not Detected.		
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)			3076835	10.0000	
66 Chlorobenzene	112							Compound Not Detected.		
68 Ethylbenzene	91							Compound Not Detected.		
69 Xylene (m,p)	106							Compound Not Detected.		
M 70 Xylenes, Total	106							Compound Not Detected.		
71 Xylene (o)	106							Compound Not Detected.		
72 Styrene	104							Compound Not Detected.		
73 Bromoform	173							Compound Not Detected.		
74 Isopropylbenzene	105							Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83							Compound Not Detected.		
76 n-Propylbenzene	91							Compound Not Detected.		

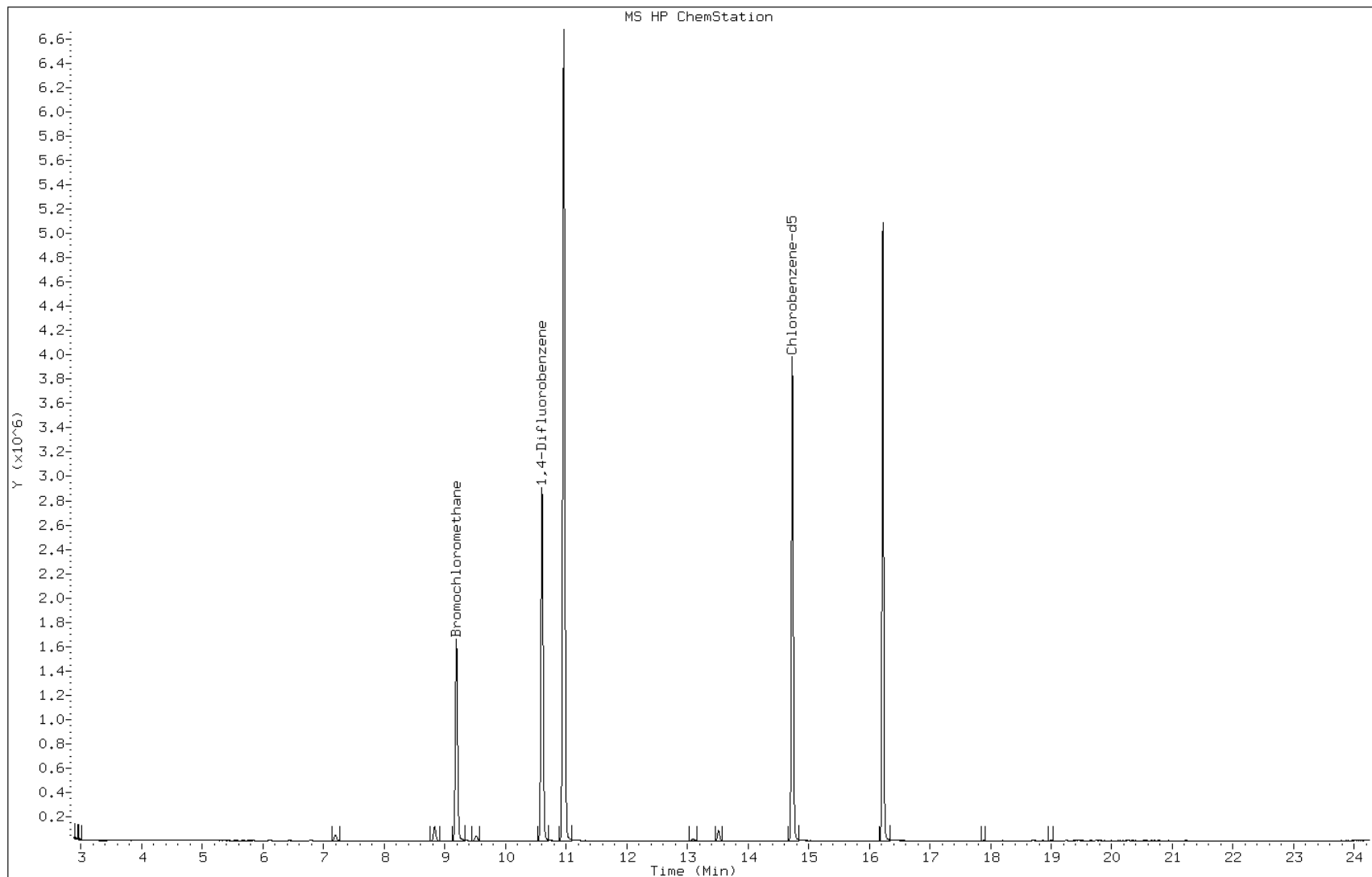
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj024.d
Client ID: SL-084-5
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-4
Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj024.d

Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23

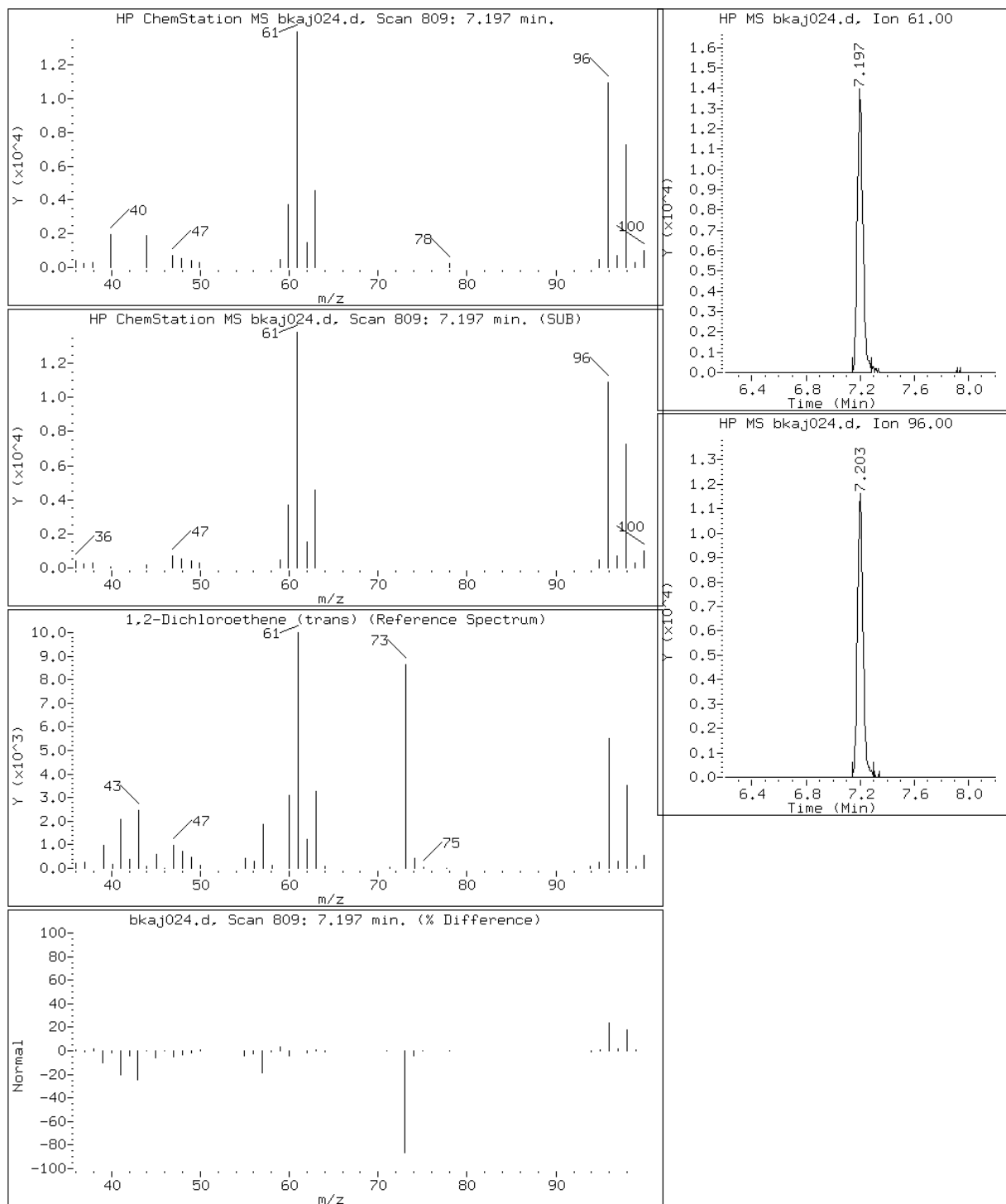
Client ID: SL-084-5

Instrument: B.i

Sample Info: 200-5005-A-4

Operator: pad

28 1,2-Dichloroethene (trans)



Data File: bkaj024.d

Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23

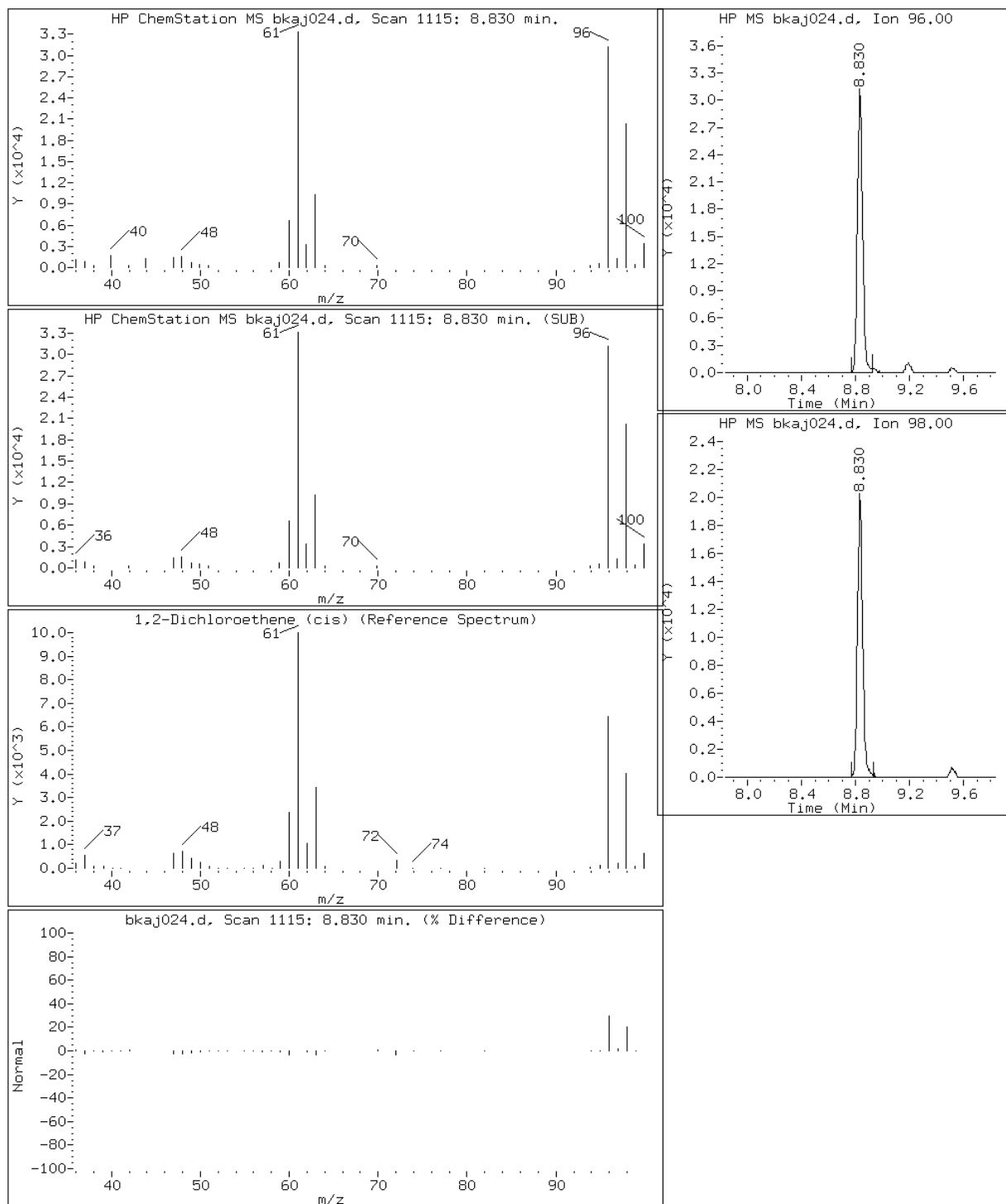
Client ID: SL-084-5

Instrument: B.i

Sample Info: 200-5005-A-4

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: bkaj024.d

Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23

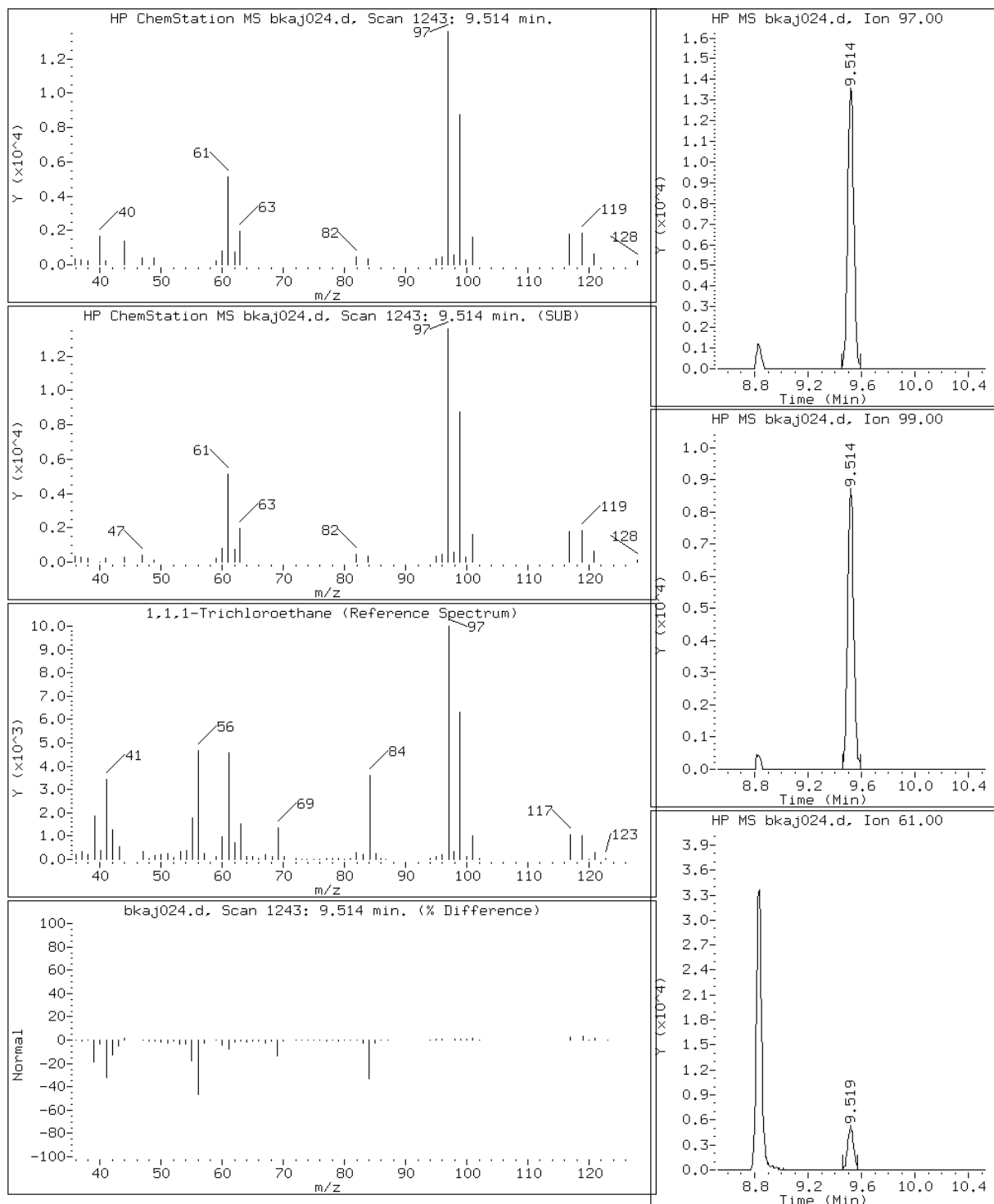
Client ID: SL-084-5

Instrument: B.i

Sample Info: 200-5005-A-4

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj024.d

Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23

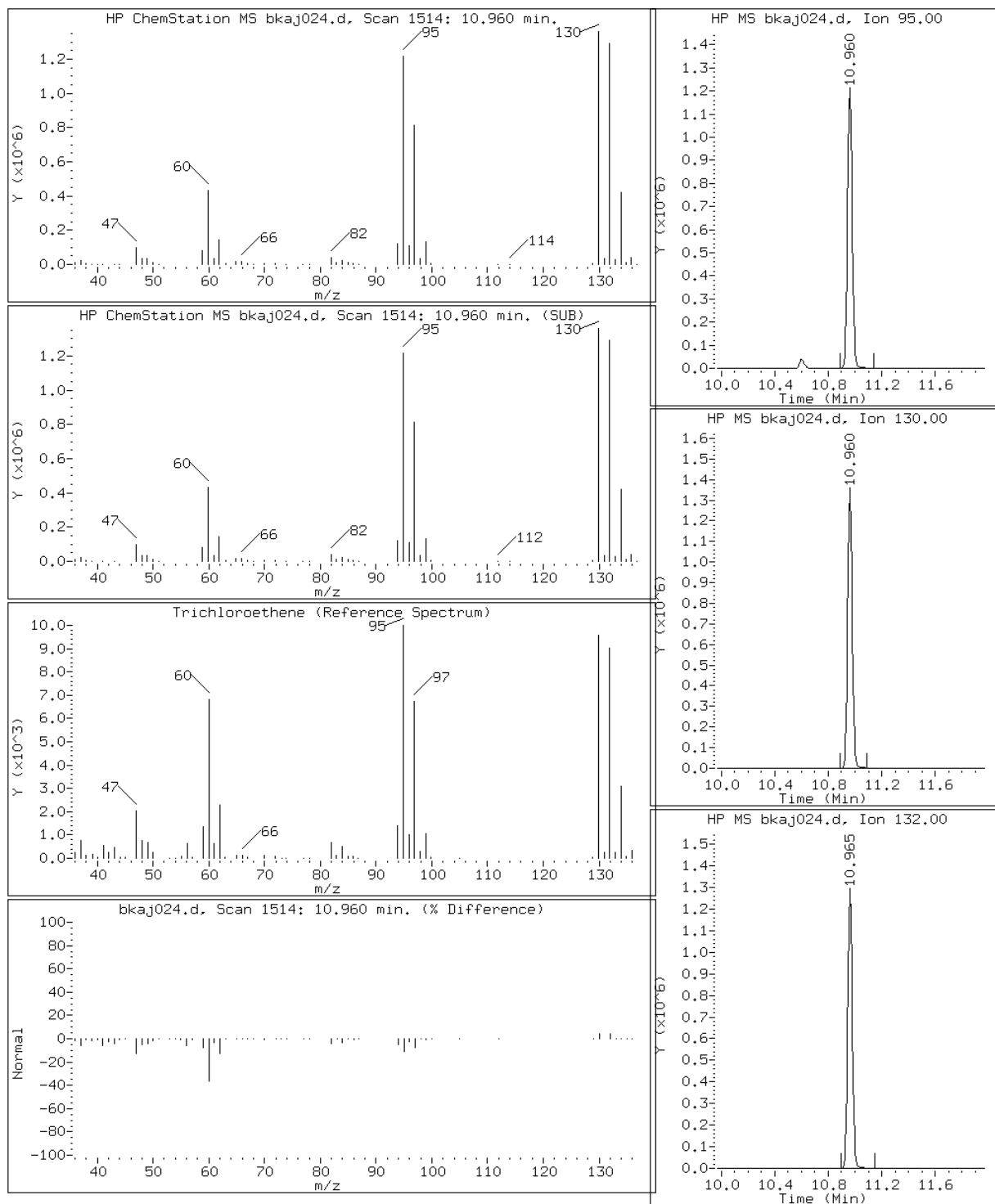
Client ID: SL-084-5

Instrument: B.i

Sample Info: 200-5005-A-4

Operator: pad

49 Trichloroethene



Data File: bkaj024.d

Lab Sample ID: 200-5005-4

Date: 06-MAY-2011 09:23

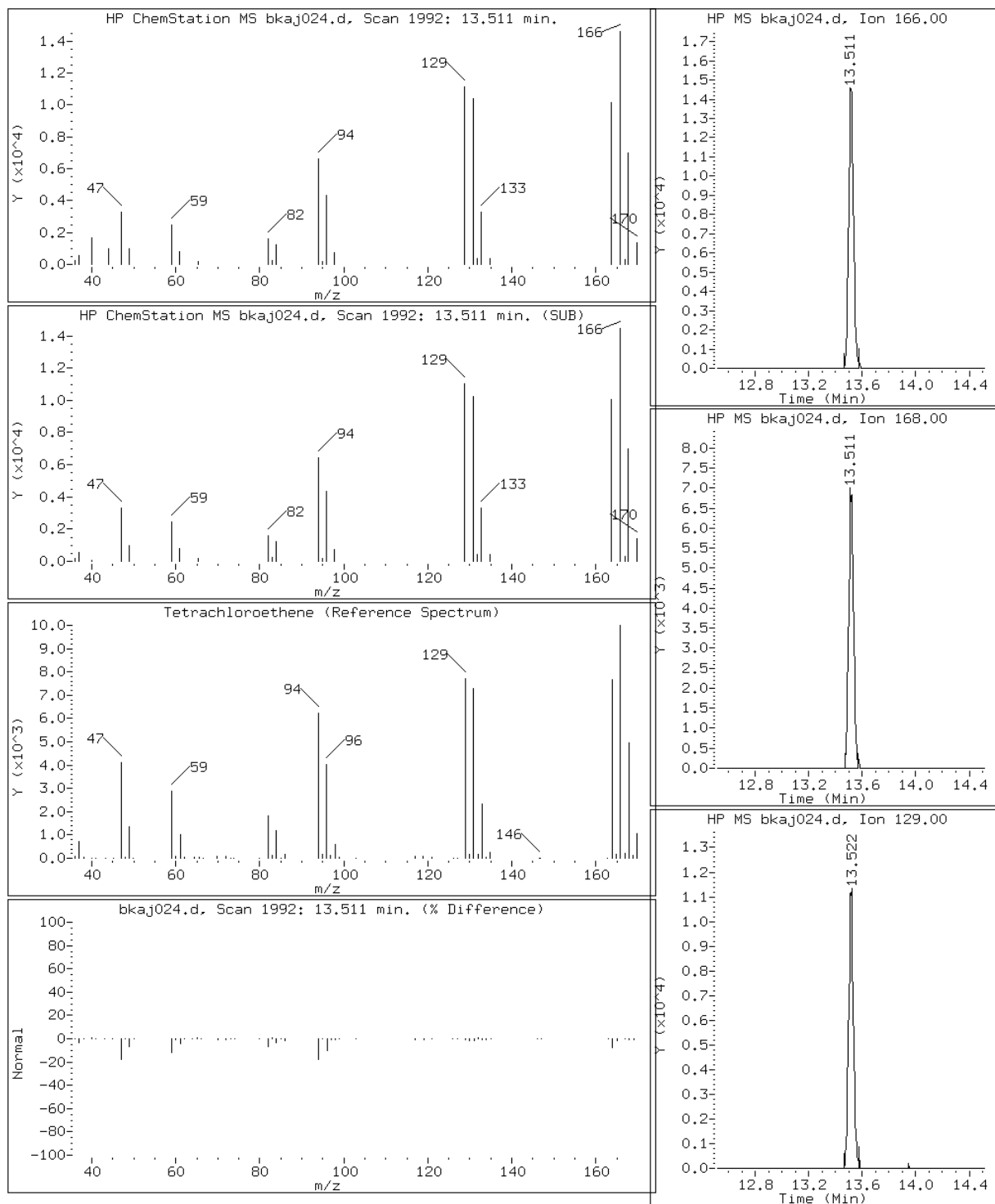
Client ID: SL-084-5

Instrument: B.i

Sample Info: 200-5005-A-4

Operator: pad

61 Tetrachloroethene

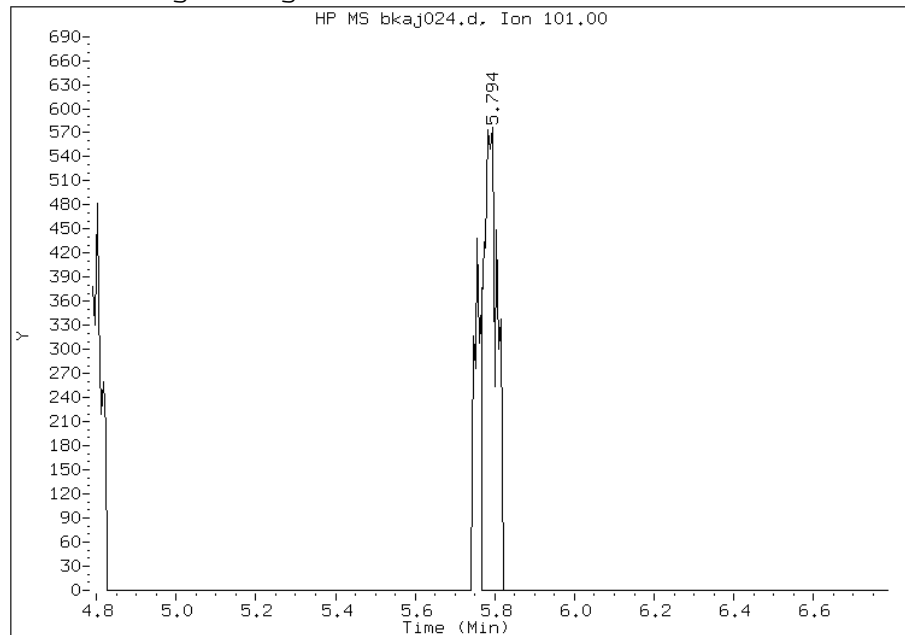


Manual Integration Report

Data File: bkaj024.d
Lab Sample ID: 200-5005-4
Inj. Date and Time: 06-MAY-2011 09:23
Instrument ID: B.i
Client ID: SL-084-5
Compound: 17 1,1,2-Trichloro-1,2,2-trifluo
CAS #: 76-13-1
Report Date: 05/09/2011

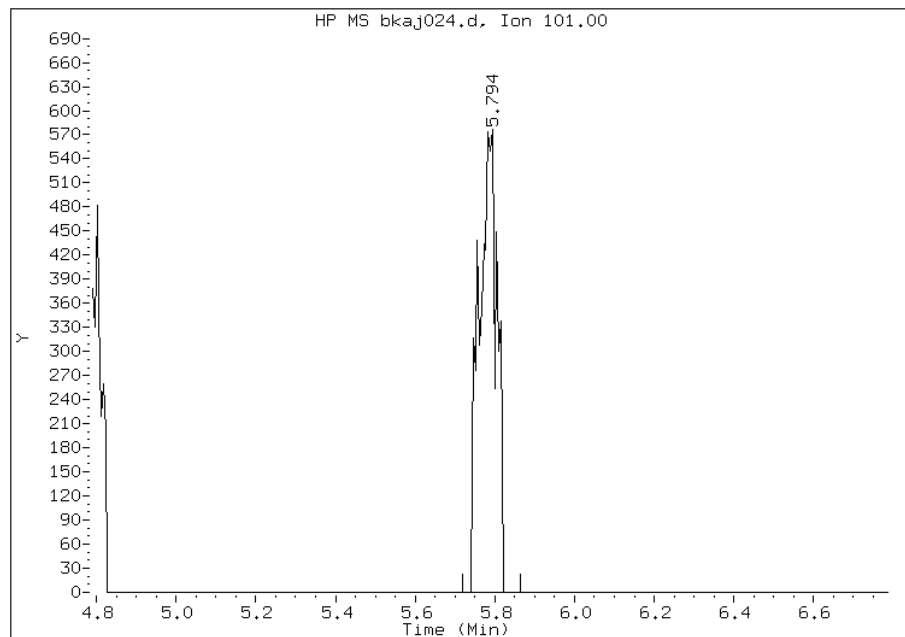
Processing Integration Results

RT: 5.79
Response: 1363
Amount: 0.010114
Conc: 6.86



Manual Integration Results

RT: 5.79
Response: 1791
Amount: 0.013289
Conc: 9.01



File Uploaded By: cmp
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
 Matrix: Air Lab File ID: bkak008.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
 Sample wt/vol: 46(mL) Date Analyzed: 05/06/2011 17:02
 Soil Aliquot Vol: _____ Dilution Factor: 674
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	340	U	340	26
75-45-6	Freon 22	86.47	340	U	340	23
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	130	U	130	22
74-87-3	Chloromethane	50.49	340	U	340	8.8
106-97-8	n-Butane	58.12	340	U	340	7.4
75-01-4	Vinyl chloride	62.50	130	U	130	20
106-99-0	1,3-Butadiene	54.09	130	U	130	6.7
74-83-9	Bromomethane	94.94	130	U	130	8.1
75-00-3	Chloroethane	64.52	340	U	340	11
593-60-2	Bromoethene (Vinyl Bromide)	106.96	130	U	130	13
75-69-4	Trichlorofluoromethane	137.37	130	U	130	23
76-13-1	Freon TF	187.38	130	U	130	6.7
75-35-4	1,1-Dichloroethene	96.94	130	U	130	20
67-64-1	Acetone	58.08	3400	U	3400	30
67-63-0	Isopropyl alcohol	60.10	3400	U	3400	25
75-15-0	Carbon disulfide	76.14	340	U	340	44
107-05-1	3-Chloropropene	76.53	340	U	340	13
75-09-2	Methylene Chloride	84.93	340	U	340	8.8
75-65-0	tert-Butyl alcohol	74.12	3400	U	3400	48
1634-04-4	Methyl tert-butyl ether	88.15	130	U	130	11
156-60-5	trans-1,2-Dichloroethene	96.94	260		130	22
110-54-3	n-Hexane	86.17	130	U	130	18
75-34-3	1,1-Dichloroethane	98.96	130	U	130	24
78-93-3	Methyl Ethyl Ketone	72.11	340	U	340	11
156-59-2	cis-1,2-Dichloroethene	96.94	720		130	9.4
540-59-0	1,2-Dichloroethene, Total	96.94	980		130	9.4
67-66-3	Chloroform	119.38	130	U	130	21
109-99-9	Tetrahydrofuran	72.11	3400	U	3400	12
71-55-6	1,1,1-Trichloroethane	133.41	130	U	130	24
110-82-7	Cyclohexane	84.16	130	U	130	26
56-23-5	Carbon tetrachloride	153.81	130	U	130	22
540-84-1	2,2,4-Trimethylpentane	114.23	130	U	130	24
71-43-2	Benzene	78.11	130	U	130	12
107-06-2	1,2-Dichloroethane	98.96	130	U	130	21
142-82-5	n-Heptane	100.21	130	U	130	6.7

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
 Matrix: Air Lab File ID: bkak008.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
 Sample wt/vol: 46(mL) Date Analyzed: 05/06/2011 17:02
 Soil Aliquot Vol: Dilution Factor: 674
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	18000		130	20
80-62-6	Methyl methacrylate	100.12	340	U	340	8.8
78-87-5	1,2-Dichloropropane	112.99	130	U	130	9.4
123-91-1	1,4-Dioxane	88.11	3400	U	3400	59
75-27-4	Bromodichloromethane	163.83	130	U	130	19
10061-01-5	cis-1,3-Dichloropropene	110.97	130	U	130	11
108-10-1	methyl isobutyl ketone	100.16	340	U	340	18
108-88-3	Toluene	92.14	130	U	130	12
10061-02-6	trans-1,3-Dichloropropene	110.97	130	U	130	13
79-00-5	1,1,2-Trichloroethane	133.41	130	U	130	13
127-18-4	Tetrachloroethene	165.83	130	U	130	7.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	340	U	340	26
124-48-1	Dibromochloromethane	208.29	130	U	130	14
106-93-4	1,2-Dibromoethane	187.87	130	U	130	12
108-90-7	Chlorobenzene	112.30	130	U	130	13
100-41-4	Ethylbenzene	106.17	130	U	130	15
179601-23-1	m,p-Xylene	106.17	340	U	340	32
95-47-6	Xylene, o-	106.17	130	U	130	15
1330-20-7	Xylene (total)	106.17	130	U	130	15
100-42-5	Styrene	104.15	130	U	130	20
75-25-2	Bromoform	252.75	130	U	130	13
98-82-8	Cumene	120.19	130	U	130	21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	130	U	130	27
103-65-1	n-Propylbenzene	120.19	130	U	130	34
622-96-8	4-Ethyltoluene	120.20	130	U	130	31
108-67-8	1,3,5-Trimethylbenzene	120.20	130	U	130	34
95-49-8	2-Chlorotoluene	126.59	130	U	130	32
98-06-6	tert-Butylbenzene	134.22	130	U	130	32
95-63-6	1,2,4-Trimethylbenzene	120.20	130	U	130	35
135-98-8	sec-Butylbenzene	134.22	130	U	130	32
99-87-6	4-Isopropyltoluene	134.22	130	U	130	32
541-73-1	1,3-Dichlorobenzene	147.00	130	U	130	30
106-46-7	1,4-Dichlorobenzene	147.00	130	U	130	30
100-44-7	Benzyl chloride	126.58	130	U	130	31
104-51-8	n-Butylbenzene	134.22	130	U	130	37

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
Matrix: Air Lab File ID: bkak008.d
Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
Sample wt/vol: 46(mL) Date Analyzed: 05/06/2011 17:02
Soil Aliquot Vol: _____ Dilution Factor: 674
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	130	U	130	32
120-82-1	1,2,4-Trichlorobenzene	181.45	340	U	340	34
87-68-3	Hexachlorobutadiene	260.76	130	U	130	44
91-20-3	Naphthalene	128.17	340	U	340	58

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
 Matrix: Air Lab File ID: bkak008.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
 Sample wt/vol: 46(mL) Date Analyzed: 05/06/2011 17:02
 Soil Aliquot Vol: _____ Dilution Factor: 674
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1700	U	1700	130
75-45-6	Freon 22	86.47	1200	U	1200	81
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	940	U	940	150
74-87-3	Chloromethane	50.49	700	U	700	18
106-97-8	n-Butane	58.12	800	U	800	18
75-01-4	Vinyl chloride	62.50	340	U	340	50
106-99-0	1,3-Butadiene	54.09	300	U	300	15
74-83-9	Bromomethane	94.94	520	U	520	31
75-00-3	Chloroethane	64.52	890	U	890	28
593-60-2	Bromoethene (Vinyl Bromide)	106.96	590	U	590	56
75-69-4	Trichlorofluoromethane	137.37	760	U	760	130
76-13-1	Freon TF	187.38	1000	U	1000	52
75-35-4	1,1-Dichloroethene	96.94	530	U	530	80
67-64-1	Acetone	58.08	8000	U	8000	72
67-63-0	Isopropyl alcohol	60.10	8300	U	8300	61
75-15-0	Carbon disulfide	76.14	1000	U	1000	140
107-05-1	3-Chloropropene	76.53	1100	U	1100	40
75-09-2	Methylene Chloride	84.93	1200	U	1200	30
75-65-0	tert-Butyl alcohol	74.12	10000	U	10000	150
1634-04-4	Methyl tert-butyl ether	88.15	490	U	490	39
156-60-5	trans-1,2-Dichloroethene	96.94	1000		530	86
110-54-3	n-Hexane	86.17	480	U	480	62
75-34-3	1,1-Dichloroethane	98.96	550	U	550	95
78-93-3	Methyl Ethyl Ketone	72.11	990	U	990	34
156-59-2	cis-1,2-Dichloroethene	96.94	2800		530	37
540-59-0	1,2-Dichloroethene, Total	96.94	3900		530	37
67-66-3	Chloroform	119.38	660	U	660	100
109-99-9	Tetrahydrofuran	72.11	9900	U	9900	36
71-55-6	1,1,1-Trichloroethane	133.41	740	U	740	130
110-82-7	Cyclohexane	84.16	460	U	460	90
56-23-5	Carbon tetrachloride	153.81	850	U	850	140
540-84-1	2,2,4-Trimethylpentane	114.23	630	U	630	110
71-43-2	Benzene	78.11	430	U	430	39
107-06-2	1,2-Dichloroethane	98.96	550	U	550	85
142-82-5	n-Heptane	100.21	550	U	550	28

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
 Matrix: Air Lab File ID: bkak008.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
 Sample wt/vol: 46(mL) Date Analyzed: 05/06/2011 17:02
 Soil Aliquot Vol: Dilution Factor: 674
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	97000		720	110
80-62-6	Methyl methacrylate	100.12	1400	U	1400	36
78-87-5	1,2-Dichloropropane	112.99	620	U	620	44
123-91-1	1,4-Dioxane	88.11	12000	U	12000	210
75-27-4	Bromodichloromethane	163.83	900	U	900	130
10061-01-5	cis-1,3-Dichloropropene	110.97	610	U	610	49
108-10-1	methyl isobutyl ketone	100.16	1400	U	1400	72
108-88-3	Toluene	92.14	510	U	510	46
10061-02-6	trans-1,3-Dichloropropene	110.97	610	U	610	61
79-00-5	1,1,2-Trichloroethane	133.41	740	U	740	70
127-18-4	Tetrachloroethene	165.83	910	U	910	50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1400	U	1400	110
124-48-1	Dibromochloromethane	208.29	1100	U	1100	120
106-93-4	1,2-Dibromoethane	187.87	1000	U	1000	93
108-90-7	Chlorobenzene	112.30	620	U	620	62
100-41-4	Ethylbenzene	106.17	590	U	590	64
179601-23-1	m,p-Xylene	106.17	1500	U	1500	140
95-47-6	Xylene, o-	106.17	590	U	590	64
1330-20-7	Xylene (total)	106.17	590	U	590	64
100-42-5	Styrene	104.15	570	U	570	86
75-25-2	Bromoform	252.75	1400	U	1400	130
98-82-8	Cumene	120.19	660	U	660	100
79-34-5	1,1,2,2-Tetrachloroethane	167.85	930	U	930	190
103-65-1	n-Propylbenzene	120.19	660	U	660	170
622-96-8	4-Ethyltoluene	120.20	660	U	660	150
108-67-8	1,3,5-Trimethylbenzene	120.20	660	U	660	170
95-49-8	2-Chlorotoluene	126.59	700	U	700	160
98-06-6	tert-Butylbenzene	134.22	740	U	740	170
95-63-6	1,2,4-Trimethylbenzene	120.20	660	U	660	170
135-98-8	sec-Butylbenzene	134.22	740	U	740	170
99-87-6	4-Isopropyltoluene	134.22	740	U	740	180
541-73-1	1,3-Dichlorobenzene	147.00	810	U	810	180
106-46-7	1,4-Dichlorobenzene	147.00	810	U	810	180
100-44-7	Benzyl chloride	126.58	700	U	700	160
104-51-8	n-Butylbenzene	134.22	740	U	740	200

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-20 Lab Sample ID: 200-5005-5
Matrix: Air Lab File ID: bkak008.d
Analysis Method: TO-15 Date Collected: 04/29/2011 11:34
Sample wt/vol: 46 (mL) Date Analyzed: 05/06/2011 17:02
Soil Aliquot Vol: _____ Dilution Factor: 674
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	810	U	810	190
120-82-1	1,2,4-Trichlorobenzene	181.45	2500	U	2500	250
87-68-3	Hexachlorobutadiene	260.76	1400	U	1400	470
91-20-3	Naphthalene	128.17	1800	U	1800	300

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-5
Client Smp ID: SL-084-20
Inj Date : 06-MAY-2011 17:02
Operator : pad
Smp Info : 200-5005-A-5
Misc Info : 46,674, all74 cdf154.95
Comment :
Method : /chem/B.i/Bsvr.p/bkakt015.b/to15v5.m
Meth Date : 09-May-2011 13:35 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 1
Dil Factor: 674.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	674.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	46.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
19 1,1-Dichloroethene	96				Compound Not Detected.		
20 Acetone	43	6.109	6.045	(0.664)	16457	0.18818	130(a)
21 Carbon disulfide	76				Compound Not Detected.		

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45							Compound Not Detected.		
23 Allyl chloride	41							Compound Not Detected.		
25 Methylene chloride	49		6.802	6.802	(0.740)			3712	0.05200	35(aM)
26 Tert-butyl alcohol	59							Compound Not Detected.		
27 Methyl tert-butyl ether	73							Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61		7.197	7.203	(0.783)			40904	0.38492	260
30 n-Hexane	57							Compound Not Detected.		
31 1,1-Dichloroethane	63							Compound Not Detected.		
M 33 1,2-Dichloroethene, Total	61							139835	1.44660	980
34 1,2-Dichloroethene (cis)	96		8.830	8.836	(0.961)			98931	1.06168	720
36 Methyl Ethyl Ketone	72							Compound Not Detected.		
* 37 Bromochloromethane	128		9.193	9.199	(1.000)			881969	10.0000	
38 Tetrahydrofuran	42							Compound Not Detected.		
39 Chloroform	83							Compound Not Detected.		
40 Cyclohexane	84							Compound Not Detected.		
41 1,1,1-Trichloroethane	97							Compound Not Detected.		
42 Carbon tetrachloride	117							Compound Not Detected.		
43 2,2,4-Trimethylpentane	57							Compound Not Detected.		
44 Benzene	78							Compound Not Detected.		
45 1,2-Dichloroethane	62							Compound Not Detected.		
46 n-Heptane	43							Compound Not Detected.		
* 47 1,4-Difluorobenzene	114		10.602	10.608	(1.000)			4358295	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)			3327186	26.6711	18000
50 1,2-Dichloropropane	63							Compound Not Detected.		
51 Methyl methacrylate	69							Compound Not Detected.		
53 1,4-Dioxane	88							Compound Not Detected.		
54 Bromodichloromethane	83							Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75							Compound Not Detected.		
56 Methyl isobutyl ketone	43							Compound Not Detected.		
58 Toluene	92							Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75							Compound Not Detected.		
60 1,1,2-Trichloroethane	83							Compound Not Detected.		
61 Tetrachloroethene	166							Compound Not Detected.		
62 2-Hexanone	43							Compound Not Detected.		
63 Dibromochloromethane	129							Compound Not Detected.		
64 1,2-Dibromoethane	107							Compound Not Detected.		
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)			3843891	10.0000	
66 Chlorobenzene	112							Compound Not Detected.		
68 Ethylbenzene	91							Compound Not Detected.		
69 Xylene (m,p)	106							Compound Not Detected.		
M 70 Xylenes, Total	106							Compound Not Detected.		
71 Xylene (o)	106							Compound Not Detected.		
72 Styrene	104							Compound Not Detected.		
73 Bromoform	173							Compound Not Detected.		
74 Isopropylbenzene	105							Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83							Compound Not Detected.		
76 n-Propylbenzene	91							Compound Not Detected.		

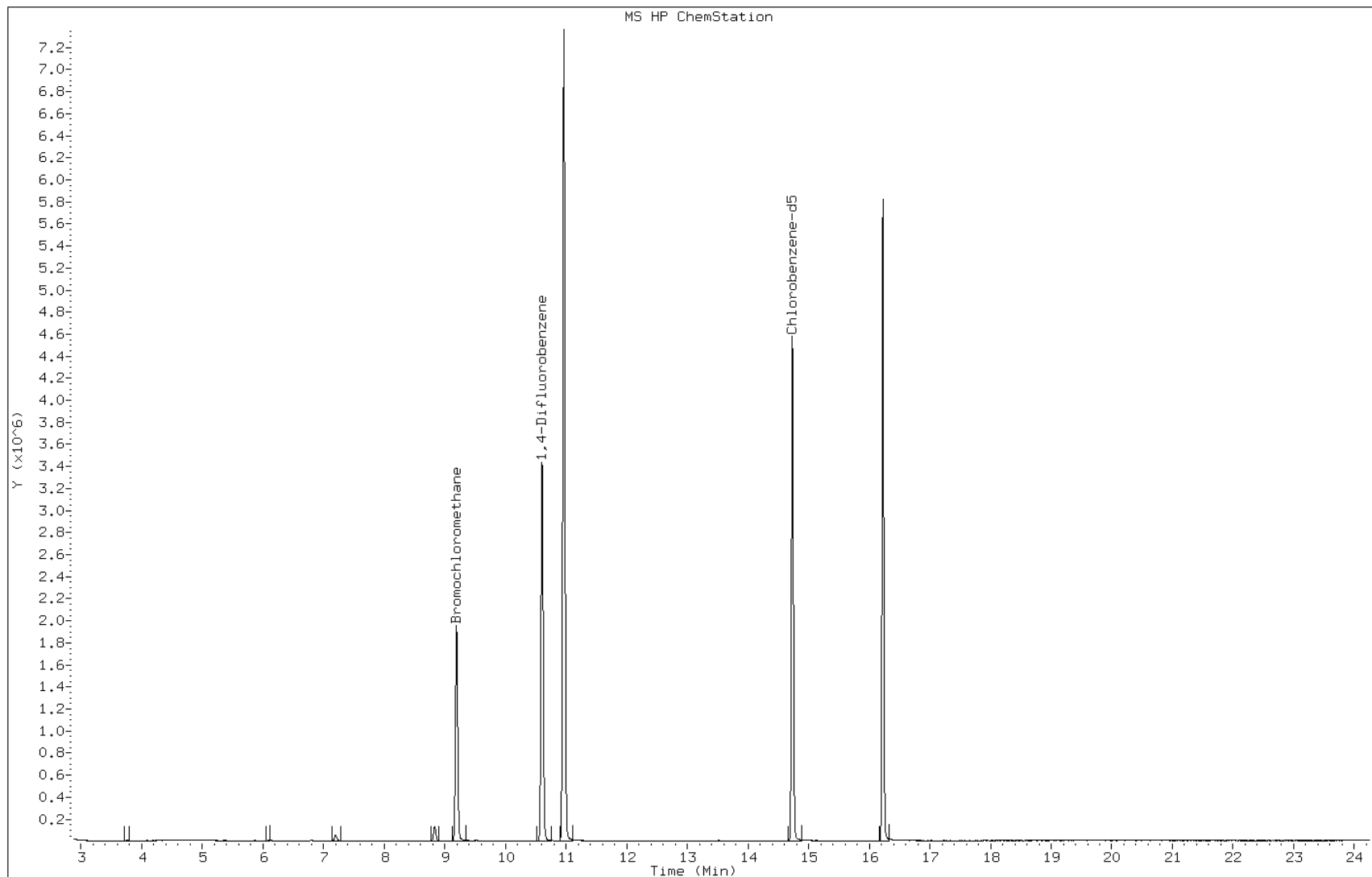
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: bkak008.d
Client ID: SL-084-20
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-5
Lab Sample ID: 200-5005-5

Date: 06-MAY-2011 17:02
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkak008.d

Lab Sample ID: 200-5005-5

Date: 06-MAY-2011 17:02

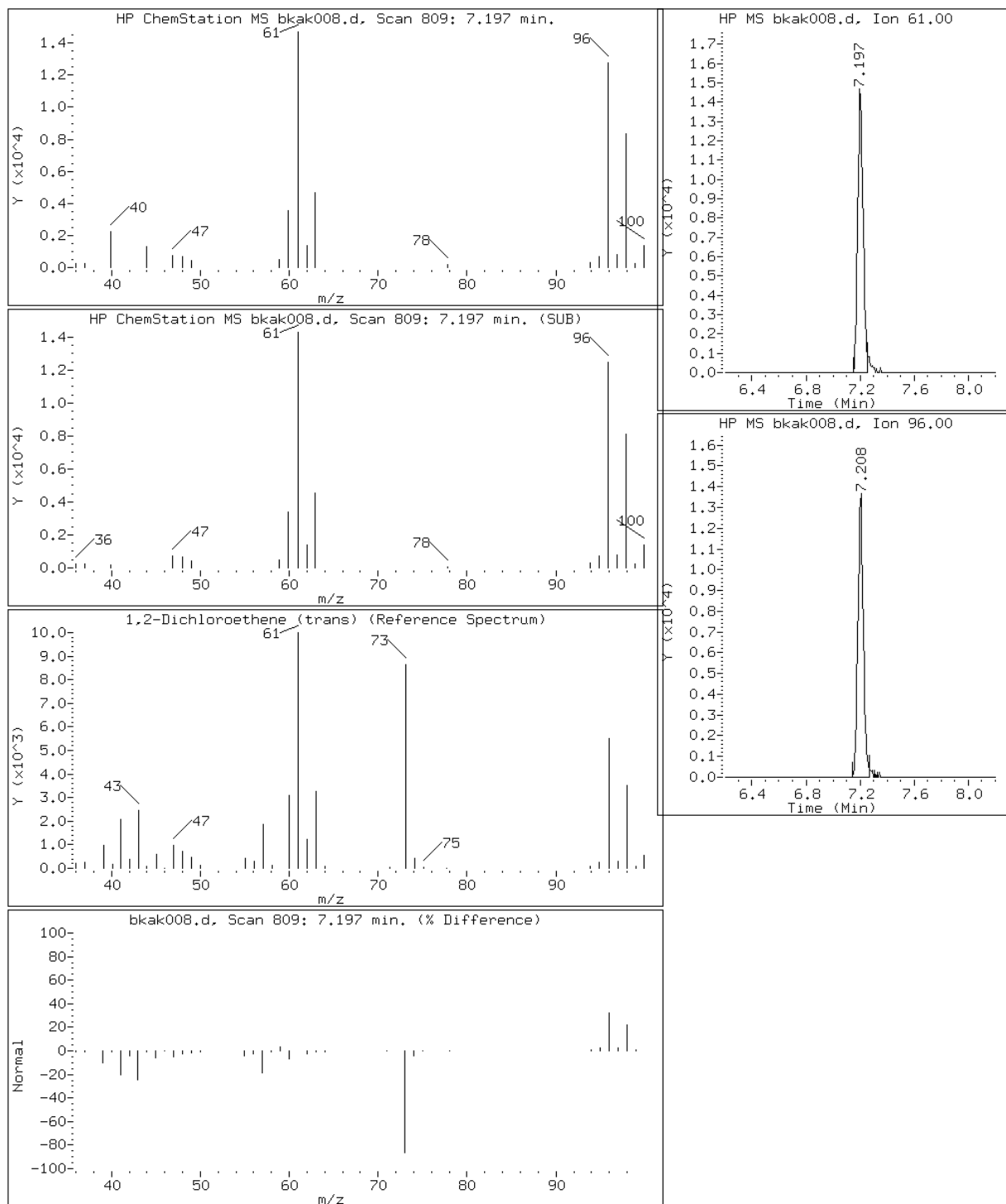
Client ID: SL-084-20

Instrument: B.i

Sample Info: 200-5005-A-5

Operator: pad

28 1,2-Dichloroethene (trans)



Data File: bkak008.d

Lab Sample ID: 200-5005-5

Date: 06-MAY-2011 17:02

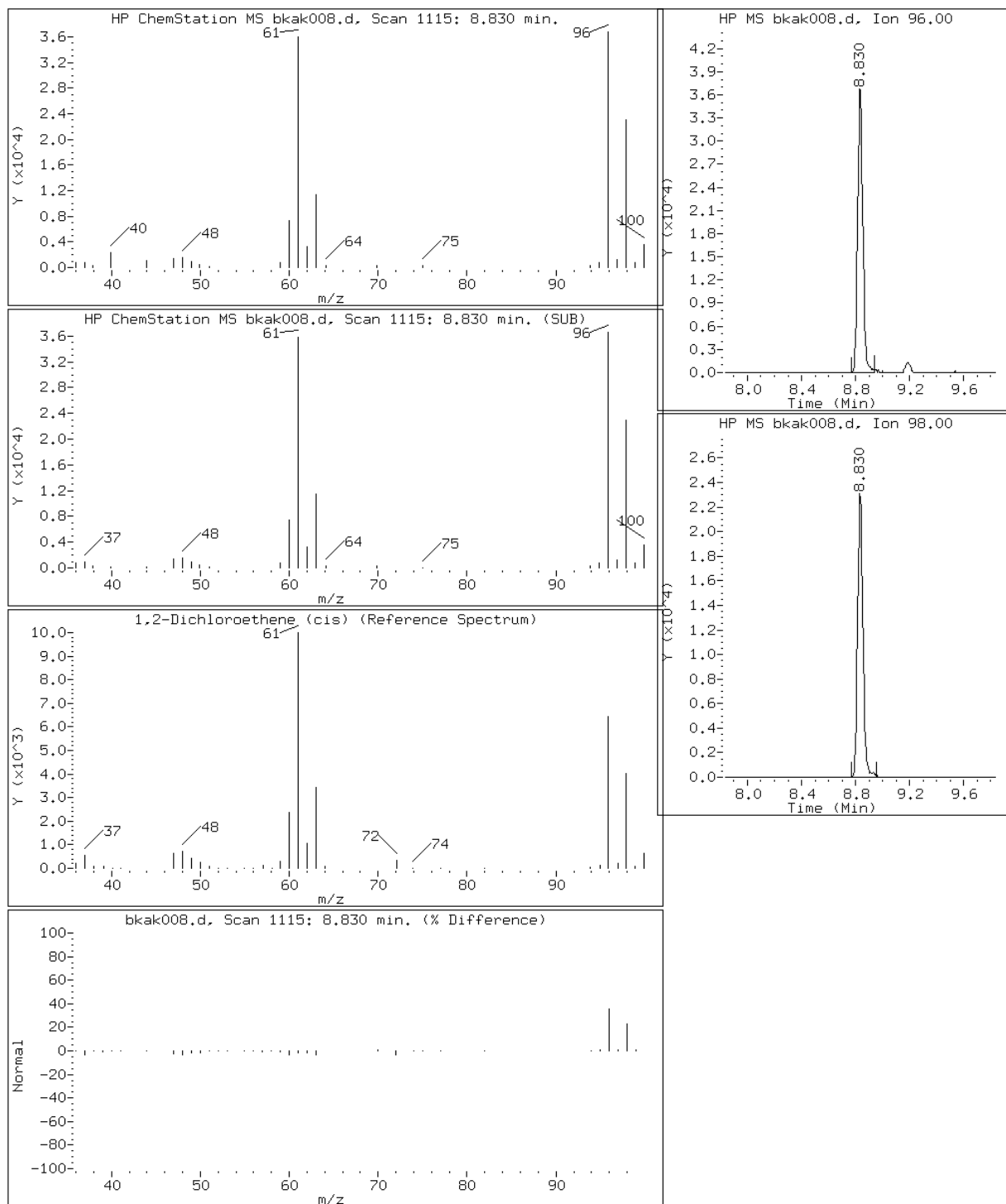
Client ID: SL-084-20

Instrument: B.i

Sample Info: 200-5005-A-5

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: bkak008.d

Lab Sample ID: 200-5005-5

Date: 06-MAY-2011 17:02

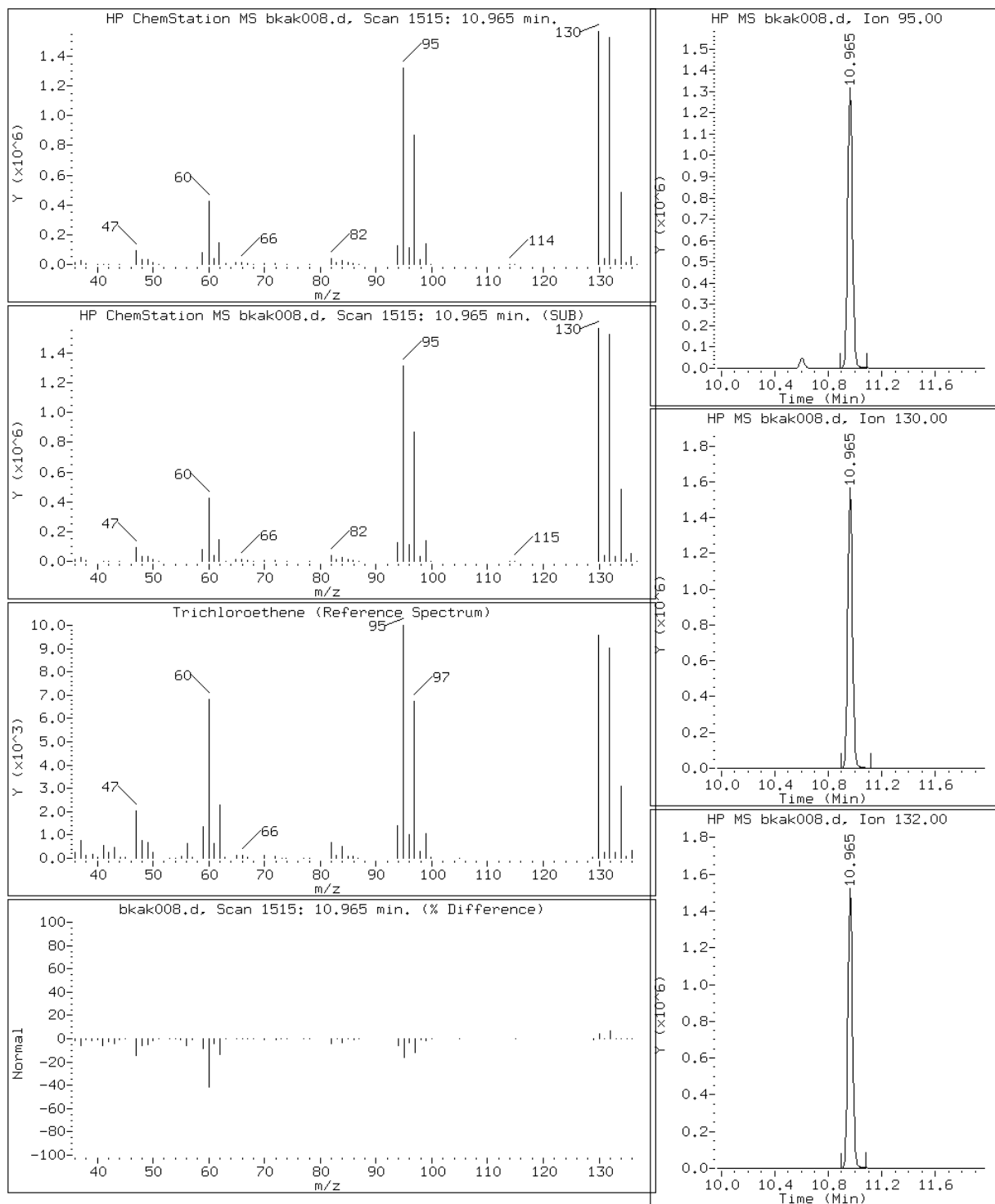
Client ID: SL-084-20

Instrument: B.i

Sample Info: 200-5005-A-5

Operator: pad

49 Trichloroethene

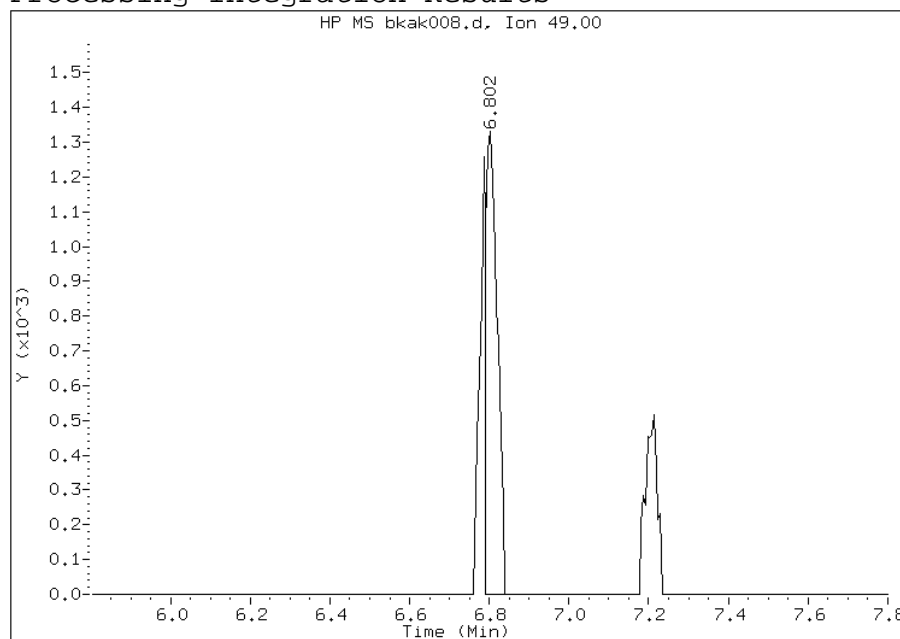


Manual Integration Report

Data File: bkak008.d
Lab Sample ID: 200-5005-5
Inj. Date and Time: 06-MAY-2011 17:02
Instrument ID: B.i
Client ID: SL-084-20
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/09/2011

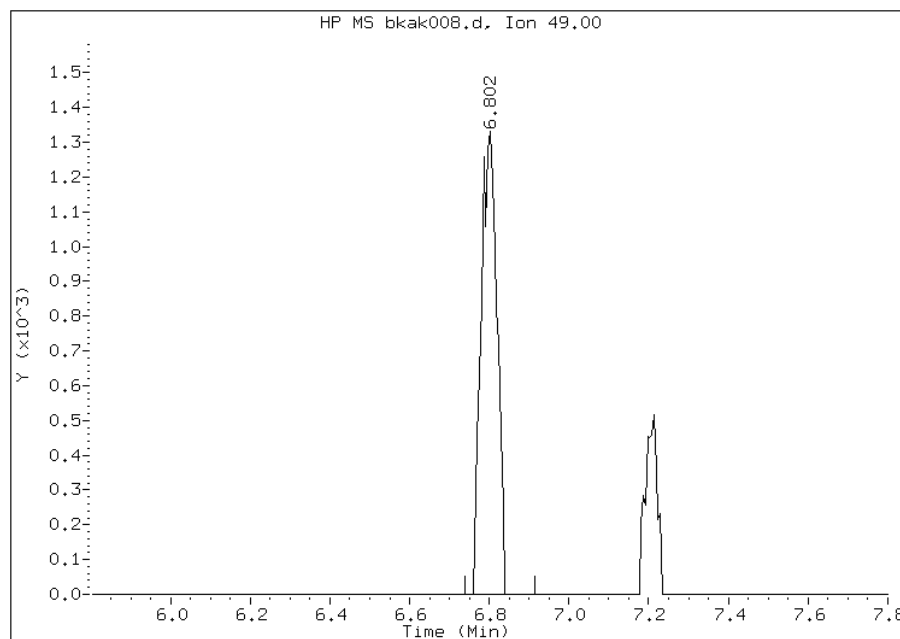
Processing Integration Results

RT: 6.80
Response: 2599
Amount: 0.036412
Conc: 24.54



Manual Integration Results

RT: 6.80
Response: 3712
Amount: 0.052005
Conc: 35.05



File Uploaded By: pd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
 Matrix: Air Lab File ID: bkak009.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 17:55
 Soil Aliquot Vol: _____ Dilution Factor: 403
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	200	U	200	15
75-45-6	Freon 22	86.47	200	U	200	14
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	81	U	81	13
74-87-3	Chloromethane	50.49	200	U	200	5.2
106-97-8	n-Butane	58.12	200	U	200	4.4
75-01-4	Vinyl chloride	62.50	81	U	81	12
106-99-0	1,3-Butadiene	54.09	81	U	81	4.0
74-83-9	Bromomethane	94.94	81	U	81	4.8
75-00-3	Chloroethane	64.52	200	U	200	6.4
593-60-2	Bromoethene (Vinyl Bromide)	106.96	81	U	81	7.7
75-69-4	Trichlorofluoromethane	137.37	81	U	81	14
76-13-1	Freon TF	187.38	81	U	81	4.0
75-35-4	1,1-Dichloroethene	96.94	81	U	81	12
67-64-1	Acetone	58.08	2000	U	2000	18
67-63-0	Isopropyl alcohol	60.10	2000	U	2000	15
75-15-0	Carbon disulfide	76.14	200	U	200	27
107-05-1	3-Chloropropene	76.53	200	U	200	7.7
75-09-2	Methylene Chloride	84.93	200	U	200	5.2
75-65-0	tert-Butyl alcohol	74.12	2000	U	2000	29
1634-04-4	Methyl tert-butyl ether	88.15	81	U	81	6.4
156-60-5	trans-1,2-Dichloroethene	96.94	140		81	13
110-54-3	n-Hexane	86.17	81	U	81	10
75-34-3	1,1-Dichloroethane	98.96	81	U	81	14
78-93-3	Methyl Ethyl Ketone	72.11	200	U	200	6.9
156-59-2	cis-1,2-Dichloroethene	96.94	380		81	5.6
540-59-0	1,2-Dichloroethene, Total	96.94	520		81	5.6
67-66-3	Chloroform	119.38	81	U	81	12
109-99-9	Tetrahydrofuran	72.11	2000	U	2000	7.3
71-55-6	1,1,1-Trichloroethane	133.41	81	U	81	14
110-82-7	Cyclohexane	84.16	81	U	81	16
56-23-5	Carbon tetrachloride	153.81	81	U	81	13
540-84-1	2,2,4-Trimethylpentane	114.23	81	U	81	15
71-43-2	Benzene	78.11	81	U	81	7.3
107-06-2	1,2-Dichloroethane	98.96	81	U	81	12
142-82-5	n-Heptane	100.21	81	U	81	4.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
 Matrix: Air Lab File ID: bkak009.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
 Sample wt/vol: 37(mL) Date Analyzed: 05/06/2011 17:55
 Soil Aliquot Vol: Dilution Factor: 403
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9900		81	12
80-62-6	Methyl methacrylate	100.12	200	U	200	5.2
78-87-5	1,2-Dichloropropane	112.99	81	U	81	5.6
123-91-1	1,4-Dioxane	88.11	2000	U	2000	35
75-27-4	Bromodichloromethane	163.83	81	U	81	11
10061-01-5	cis-1,3-Dichloropropene	110.97	81	U	81	6.4
108-10-1	methyl isobutyl ketone	100.16	200	U	200	10
108-88-3	Toluene	92.14	81	U	81	7.3
10061-02-6	trans-1,3-Dichloropropene	110.97	81	U	81	8.1
79-00-5	1,1,2-Trichloroethane	133.41	81	U	81	7.7
127-18-4	Tetrachloroethene	165.83	81	U	81	4.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	200	U	200	16
124-48-1	Dibromochloromethane	208.29	81	U	81	8.5
106-93-4	1,2-Dibromoethane	187.87	81	U	81	7.3
108-90-7	Chlorobenzene	112.30	81	U	81	8.1
100-41-4	Ethylbenzene	106.17	81	U	81	8.9
179601-23-1	m,p-Xylene	106.17	200	U	200	19
95-47-6	Xylene, o-	106.17	81	U	81	8.9
1330-20-7	Xylene (total)	106.17	81	U	81	8.9
100-42-5	Styrene	104.15	81	U	81	12
75-25-2	Bromoform	252.75	81	U	81	7.7
98-82-8	Cumene	120.19	81	U	81	12
79-34-5	1,1,2,2-Tetrachloroethane	167.85	81	U	81	16
103-65-1	n-Propylbenzene	120.19	81	U	81	20
622-96-8	4-Ethyltoluene	120.20	81	U	81	19
108-67-8	1,3,5-Trimethylbenzene	120.20	81	U	81	21
95-49-8	2-Chlorotoluene	126.59	81	U	81	19
98-06-6	tert-Butylbenzene	134.22	81	U	81	19
95-63-6	1,2,4-Trimethylbenzene	120.20	81	U	81	21
135-98-8	sec-Butylbenzene	134.22	81	U	81	19
99-87-6	4-Isopropyltoluene	134.22	81	U	81	19
541-73-1	1,3-Dichlorobenzene	147.00	81	U	81	18
106-46-7	1,4-Dichlorobenzene	147.00	81	U	81	18
100-44-7	Benzyl chloride	126.58	81	U	81	19
104-51-8	n-Butylbenzene	134.22	81	U	81	22

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
Matrix: Air Lab File ID: bkak009.d
Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 17:55
Soil Aliquot Vol: _____ Dilution Factor: 403
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	81	U	81	19
120-82-1	1,2,4-Trichlorobenzene	181.45	200	U	200	20
87-68-3	Hexachlorobutadiene	260.76	81	U	81	26
91-20-3	Naphthalene	128.17	200	U	200	35

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
 Matrix: Air Lab File ID: bkak009.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 17:55
 Soil Aliquot Vol: Dilution Factor: 403
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1000	U	1000	76
75-45-6	Freon 22	86.47	710	U	710	48
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	560	U	560	90
74-87-3	Chloromethane	50.49	420	U	420	11
106-97-8	n-Butane	58.12	480	U	480	11
75-01-4	Vinyl chloride	62.50	210	U	210	30
106-99-0	1,3-Butadiene	54.09	180	U	180	8.9
74-83-9	Bromomethane	94.94	310	U	310	19
75-00-3	Chloroethane	64.52	530	U	530	17
593-60-2	Bromoethene (Vinyl Bromide)	106.96	350	U	350	33
75-69-4	Trichlorofluoromethane	137.37	450	U	450	77
76-13-1	Freon TF	187.38	620	U	620	31
75-35-4	1,1-Dichloroethene	96.94	320	U	320	48
67-64-1	Acetone	58.08	4800	U	4800	43
67-63-0	Isopropyl alcohol	60.10	5000	U	5000	37
75-15-0	Carbon disulfide	76.14	630	U	630	83
107-05-1	3-Chloropropene	76.53	630	U	630	24
75-09-2	Methylene Chloride	84.93	700	U	700	18
75-65-0	tert-Butyl alcohol	74.12	6100	U	6100	87
1634-04-4	Methyl tert-butyl ether	88.15	290	U	290	23
156-60-5	trans-1,2-Dichloroethene	96.94	570		320	51
110-54-3	n-Hexane	86.17	280	U	280	37
75-34-3	1,1-Dichloroethane	98.96	330	U	330	57
78-93-3	Methyl Ethyl Ketone	72.11	590	U	590	20
156-59-2	cis-1,2-Dichloroethene	96.94	1500		320	22
540-59-0	1,2-Dichloroethene, Total	96.94	2100		320	22
67-66-3	Chloroform	119.38	390	U	390	61
109-99-9	Tetrahydrofuran	72.11	5900	U	5900	21
71-55-6	1,1,1-Trichloroethane	133.41	440	U	440	77
110-82-7	Cyclohexane	84.16	280	U	280	54
56-23-5	Carbon tetrachloride	153.81	510	U	510	84
540-84-1	2,2,4-Trimethylpentane	114.23	380	U	380	68
71-43-2	Benzene	78.11	260	U	260	23
107-06-2	1,2-Dichloroethane	98.96	330	U	330	51
142-82-5	n-Heptane	100.21	330	U	330	17

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
 Matrix: Air Lab File ID: bkak009.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 17:55
 Soil Aliquot Vol: Dilution Factor: 403
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	53000		430	65
80-62-6	Methyl methacrylate	100.12	830	U	830	21
78-87-5	1,2-Dichloropropane	112.99	370	U	370	26
123-91-1	1,4-Dioxane	88.11	7300	U	7300	130
75-27-4	Bromodichloromethane	163.83	540	U	540	76
10061-01-5	cis-1,3-Dichloropropene	110.97	370	U	370	29
108-10-1	methyl isobutyl ketone	100.16	830	U	830	43
108-88-3	Toluene	92.14	300	U	300	27
10061-02-6	trans-1,3-Dichloropropene	110.97	370	U	370	37
79-00-5	1,1,2-Trichloroethane	133.41	440	U	440	42
127-18-4	Tetrachloroethene	165.83	550	U	550	30
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	830	U	830	64
124-48-1	Dibromochloromethane	208.29	690	U	690	72
106-93-4	1,2-Dibromoethane	187.87	620	U	620	56
108-90-7	Chlorobenzene	112.30	370	U	370	37
100-41-4	Ethylbenzene	106.17	350	U	350	38
179601-23-1	m,p-Xylene	106.17	870	U	870	84
95-47-6	Xylene, o-	106.17	350	U	350	38
1330-20-7	Xylene (total)	106.17	350	U	350	38
100-42-5	Styrene	104.15	340	U	340	51
75-25-2	Bromoform	252.75	830	U	830	79
98-82-8	Cumene	120.19	400	U	400	61
79-34-5	1,1,2,2-Tetrachloroethane	167.85	550	U	550	110
103-65-1	n-Propylbenzene	120.19	400	U	400	99
622-96-8	4-Ethyltoluene	120.20	400	U	400	91
108-67-8	1,3,5-Trimethylbenzene	120.20	400	U	400	100
95-49-8	2-Chlorotoluene	126.59	420	U	420	98
98-06-6	tert-Butylbenzene	134.22	440	U	440	100
95-63-6	1,2,4-Trimethylbenzene	120.20	400	U	400	100
135-98-8	sec-Butylbenzene	134.22	440	U	440	100
99-87-6	4-Isopropyltoluene	134.22	440	U	440	110
541-73-1	1,3-Dichlorobenzene	147.00	480	U	480	110
106-46-7	1,4-Dichlorobenzene	147.00	480	U	480	110
100-44-7	Benzyl chloride	126.58	420	U	420	96
104-51-8	n-Butylbenzene	134.22	440	U	440	120

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-084-END Lab Sample ID: 200-5005-6
Matrix: Air Lab File ID: bkak009.d
Analysis Method: TO-15 Date Collected: 04/29/2011 12:38
Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 17:55
Soil Aliquot Vol: _____ Dilution Factor: 403
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	480	U	480	120
120-82-1	1,2,4-Trichlorobenzene	181.45	1500	U	1500	150
87-68-3	Hexachlorobutadiene	260.76	860	U	860	280
91-20-3	Naphthalene	128.17	1100	U	1100	180

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-6
Client Smp ID: SL-084-END
Inj Date : 06-MAY-2011 17:55
Operator : pad
Smp Info : 200-5005-A-6
Misc Info : 37,403, all74 cdf74.61
Comment :
Method : /chem/B.i/Bsvr.p/bkakt015.b/to15v5.m
Meth Date : 09-May-2011 13:35 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 1
Dil Factor: 403.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	403.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	37.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
19 1,1-Dichloroethene	96				Compound Not Detected.		
20 Acetone	43				Compound Not Detected.		

						CONCENTRATIONS			
		QUANT	SIG			ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
21 Carbon disulfide	76	Compound	Not	Detected.					
22 Isopropanol	45	Compound	Not	Detected.					
23 Allyl chloride	41	Compound	Not	Detected.					
25 Methylene chloride	49	6.797	6.802	(0.739)	3827	0.05736		23(a)	
26 Tert-butyl alcohol	59	Compound	Not	Detected.					
27 Methyl tert-butyl ether	73	Compound	Not	Detected.					
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.783)	35193	0.35430		140	
30 n-Hexane	57	Compound	Not	Detected.					
31 1,1-Dichloroethane	63	Compound	Not	Detected.					
M 33 1,2-Dichloroethene,Total	61				117770	1.30237		520	
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	82577	0.94806		380	
36 Methyl Ethyl Ketone	72	Compound	Not	Detected.					
* 37 Bromochloromethane	128	9.193	9.199	(1.000)	824395	10.0000			
38 Tetrahydrofuran	42	Compound	Not	Detected.					
39 Chloroform	83	Compound	Not	Detected.					
40 Cyclohexane	84	Compound	Not	Detected.					
41 1,1,1-Trichloroethane	97	Compound	Not	Detected.					
42 Carbon tetrachloride	117	Compound	Not	Detected.					
43 2,2,4-Trimethylpentane	57	Compound	Not	Detected.					
44 Benzene	78	Compound	Not	Detected.					
45 1,2-Dichloroethane	62	Compound	Not	Detected.					
46 n-Heptane	43	Compound	Not	Detected.					
* 47 1,4-Difluorobenzene	114	10.602	10.608	(1.000)	4123882	10.0000			
49 Trichloroethene	95	10.960	10.971	(1.034)	2888454	24.4703		9900	
50 1,2-Dichloropropane	63	Compound	Not	Detected.					
51 Methyl methacrylate	69	Compound	Not	Detected.					
53 1,4-Dioxane	88	Compound	Not	Detected.					
54 Bromodichloromethane	83	Compound	Not	Detected.					
55 1,3-Dichloropropene (cis)	75	Compound	Not	Detected.					
56 Methyl isobutyl ketone	43	Compound	Not	Detected.					
58 Toluene	92	Compound	Not	Detected.					
59 1,3-Dichloropropene (trans)	75	Compound	Not	Detected.					
60 1,1,2-Trichloroethane	83	Compound	Not	Detected.					
61 Tetrachloroethene	166	13.522	13.516	(0.918)	1980	0.01173		4.7(aQ)	
62 2-Hexanone	43	Compound	Not	Detected.					
63 Dibromochloromethane	129	Compound	Not	Detected.					
64 1,2-Dibromoethane	107	Compound	Not	Detected.					
* 65 Chlorobenzene-d5	117	14.733	14.738	(1.000)	3644437	10.0000			
66 Chlorobenzene	112	Compound	Not	Detected.					
68 Ethylbenzene	91	Compound	Not	Detected.					
69 Xylene (m,p)	106	Compound	Not	Detected.					
M 70 Xylenes, Total	106	Compound	Not	Detected.					
71 Xylene (o)	106	Compound	Not	Detected.					
72 Styrene	104	Compound	Not	Detected.					
73 Bromoform	173	Compound	Not	Detected.					
74 Isopropylbenzene	105	Compound	Not	Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound	Not	Detected.					

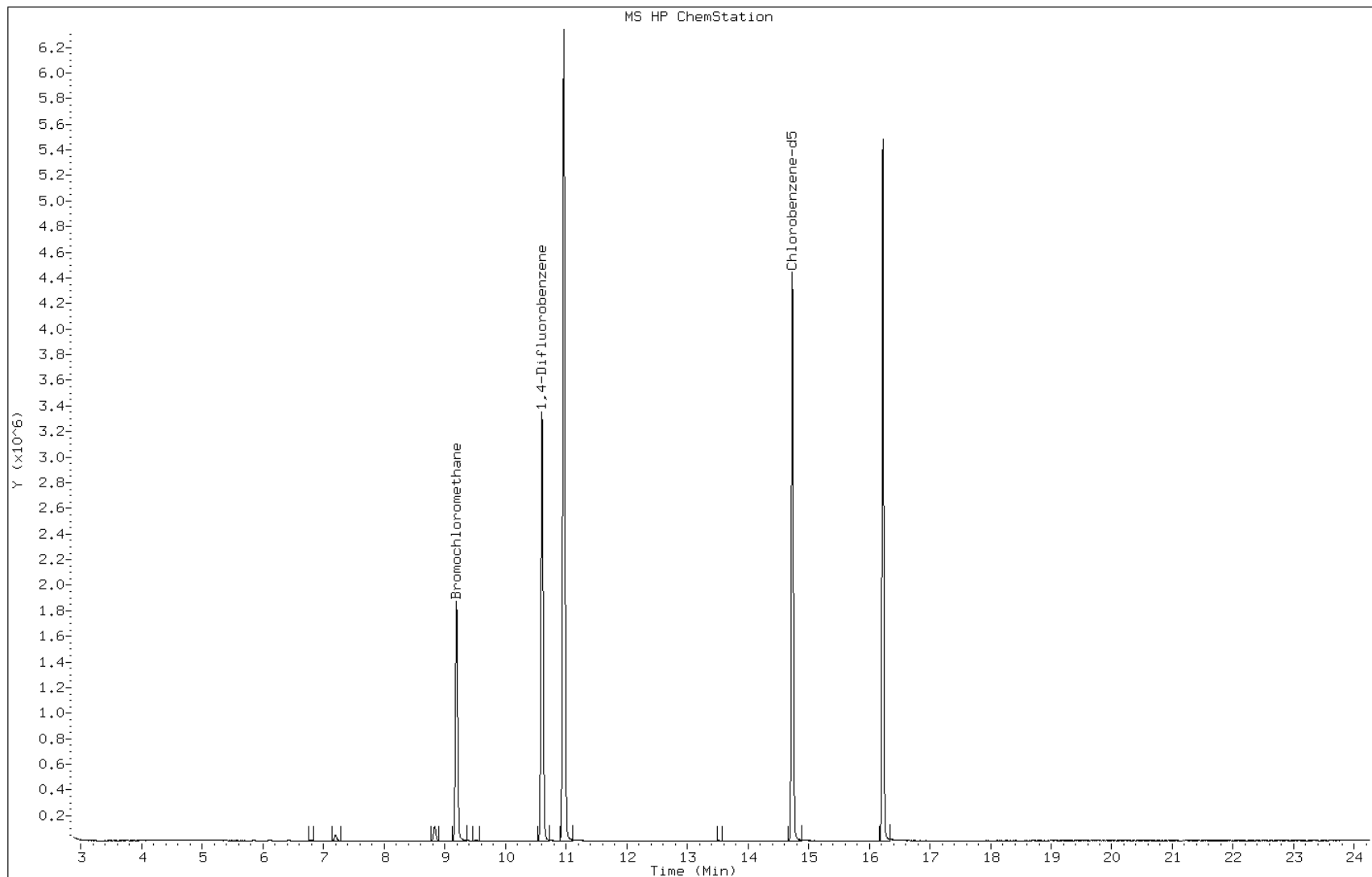
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: bkak009.d
Client ID: SL-084-END
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-6
Lab Sample ID: 200-5005-6

Date: 06-MAY-2011 17:55
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkak009.d

Lab Sample ID: 200-5005-6

Date: 06-MAY-2011 17:55

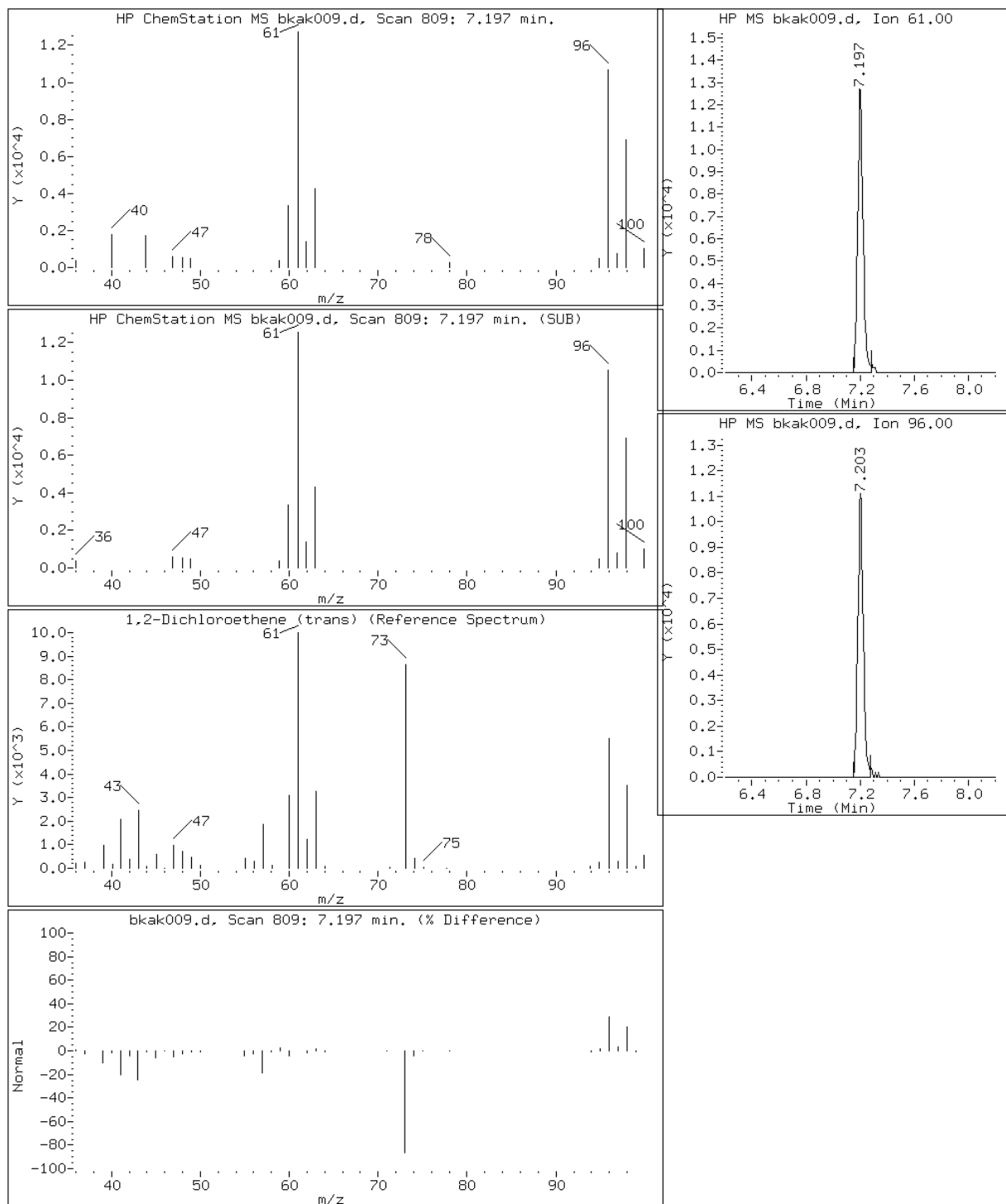
Client ID: SL-084-END

Instrument: B.i

Sample Info: 200-5005-A-6

Operator: pad

28 1,2-Dichloroethene (trans)



Data File: bkak009.d

Lab Sample ID: 200-5005-6

Date: 06-MAY-2011 17:55

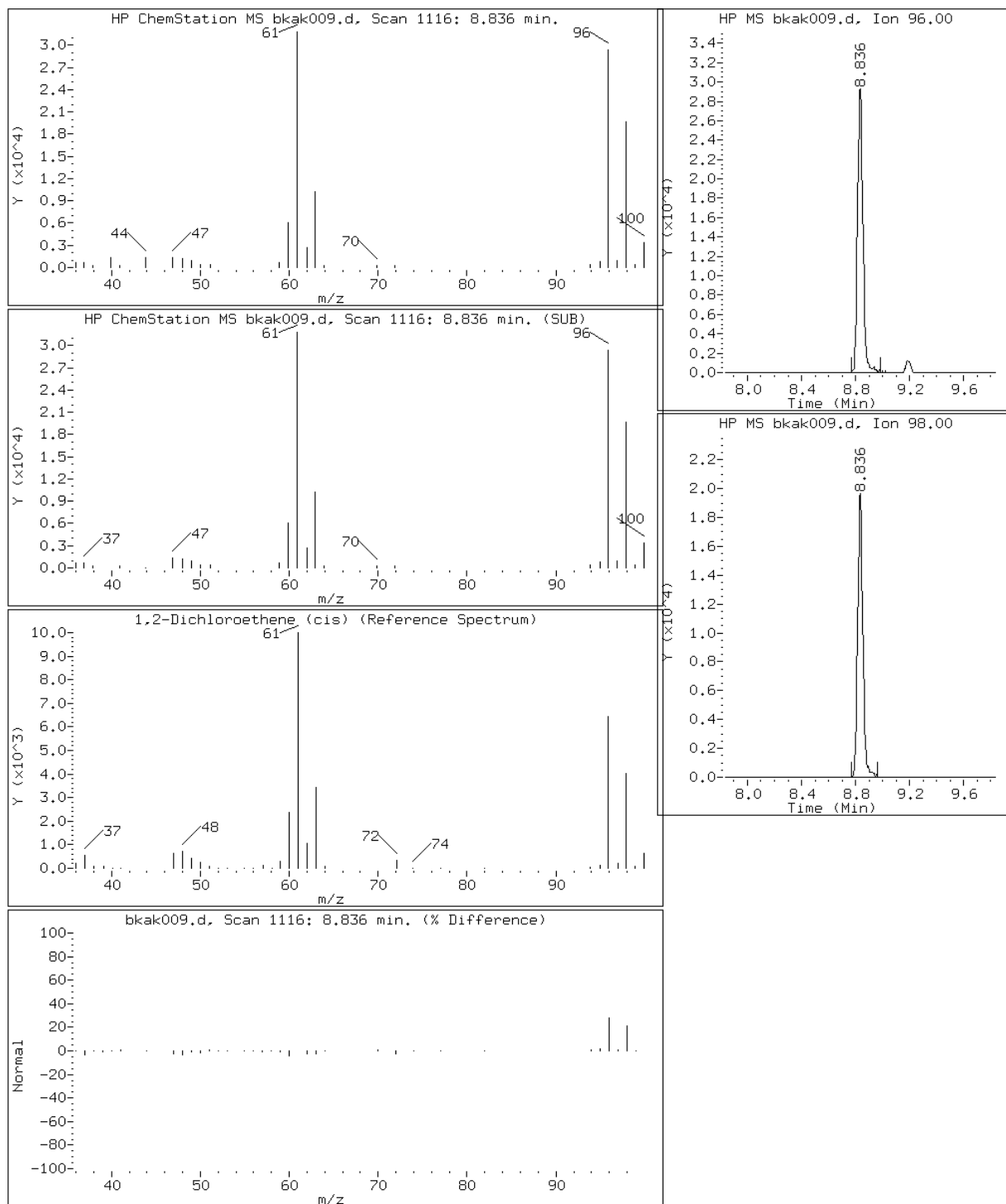
Client ID: SL-084-END

Instrument: B.i

Sample Info: 200-5005-A-6

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: bkak009.d

Lab Sample ID: 200-5005-6

Date: 06-MAY-2011 17:55

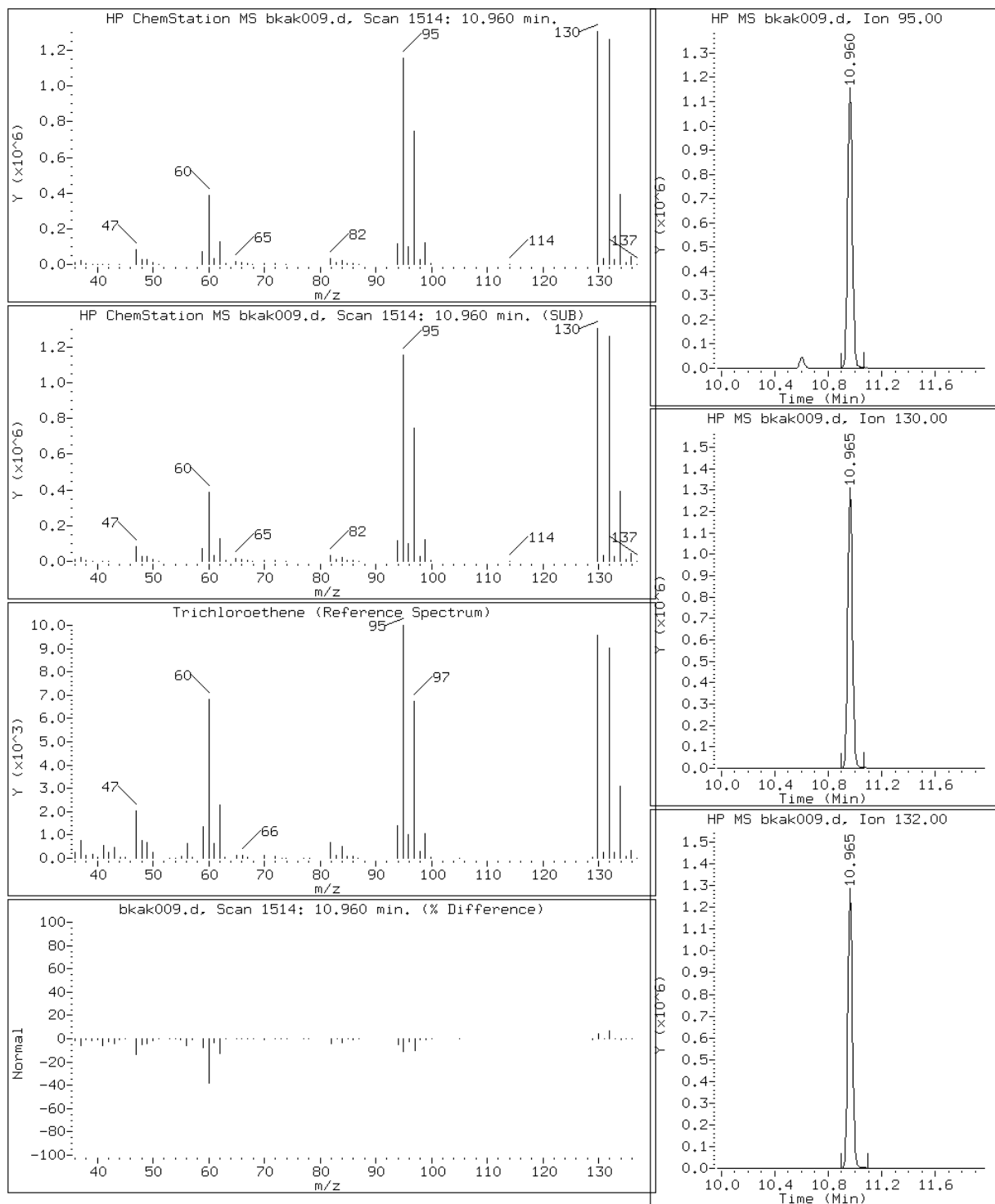
Client ID: SL-084-END

Instrument: B.i

Sample Info: 200-5005-A-6

Operator: pad

49 Trichloroethene



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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
 Matrix: Air Lab File ID: bkaj021.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
 Sample wt/vol: 49(mL) Date Analyzed: 05/06/2011 03:38
 Soil Aliquot Vol: _____ Dilution Factor: 19.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	10	U	10	0.76
75-45-6	Freon 22	86.47	10	U	10	0.68
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.0	U	4.0	0.64
74-87-3	Chloromethane	50.49	10	U	10	0.26
106-97-8	n-Butane	58.12	10	U	10	0.22
75-01-4	Vinyl chloride	62.50	4.0	U	4.0	0.58
106-99-0	1,3-Butadiene	54.09	4.0	U	4.0	0.20
74-83-9	Bromomethane	94.94	4.0	U	4.0	0.24
75-00-3	Chloroethane	64.52	10	U	10	0.32
593-60-2	Bromoethene (Vinyl Bromide)	106.96	4.0	U	4.0	0.38
75-69-4	Trichlorofluoromethane	137.37	5.8		4.0	0.68
76-13-1	Freon TF	187.38	19		4.0	0.20
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.60
67-64-1	Acetone	58.08	100	U	100	0.90
67-63-0	Isopropyl alcohol	60.10	100	U	100	0.74
75-15-0	Carbon disulfide	76.14	10	U	10	1.3
107-05-1	3-Chloropropene	76.53	10	U	10	0.38
75-09-2	Methylene Chloride	84.93	10	U	10	0.26
75-65-0	tert-Butyl alcohol	74.12	100	U	100	1.4
1634-04-4	Methyl tert-butyl ether	88.15	4.0	U	4.0	0.32
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.64
110-54-3	n-Hexane	86.17	4.0	U	4.0	0.52
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.70
78-93-3	Methyl Ethyl Ketone	72.11	10	U	10	0.34
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.28
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.28
67-66-3	Chloroform	119.38	4.0	U	4.0	0.62
109-99-9	Tetrahydrofuran	72.11	100	U	100	0.36
71-55-6	1,1,1-Trichloroethane	133.41	45		4.0	0.70
110-82-7	Cyclohexane	84.16	4.0	U	4.0	0.78
56-23-5	Carbon tetrachloride	153.81	4.0	U	4.0	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.0	U	4.0	0.72
71-43-2	Benzene	78.11	4.0	U	4.0	0.36
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.62
142-82-5	n-Heptane	100.21	4.0	U	4.0	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
 Matrix: Air Lab File ID: bkaj021.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
 Sample wt/vol: 49(mL) Date Analyzed: 05/06/2011 03:38
 Soil Aliquot Vol: _____ Dilution Factor: 19.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	530		4.0	0.60
80-62-6	Methyl methacrylate	100.12	10	U	10	0.26
78-87-5	1,2-Dichloropropane	112.99	4.0	U	4.0	0.28
123-91-1	1,4-Dioxane	88.11	100	U	100	1.8
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.56
10061-01-5	cis-1,3-Dichloropropene	110.97	4.0	U	4.0	0.32
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.52
108-88-3	Toluene	92.14	4.0	U	4.0	0.36
10061-02-6	trans-1,3-Dichloropropene	110.97	4.0	U	4.0	0.40
79-00-5	1,1,2-Trichloroethane	133.41	4.0	U	4.0	0.38
127-18-4	Tetrachloroethene	165.83	4.0	U	4.0	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	0.78
124-48-1	Dibromochloromethane	208.29	4.0	U	4.0	0.42
106-93-4	1,2-Dibromoethane	187.87	4.0	U	4.0	0.36
108-90-7	Chlorobenzene	112.30	4.0	U	4.0	0.40
100-41-4	Ethylbenzene	106.17	4.0	U	4.0	0.44
179601-23-1	m,p-Xylene	106.17	10	U	10	0.96
95-47-6	Xylene, o-	106.17	4.0	U	4.0	0.44
1330-20-7	Xylene (total)	106.17	4.0	U	4.0	0.44
100-42-5	Styrene	104.15	4.0	U	4.0	0.60
75-25-2	Bromoform	252.75	4.0	U	4.0	0.38
98-82-8	Cumene	120.19	4.0	U	4.0	0.62
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.0	U	4.0	0.80
103-65-1	n-Propylbenzene	120.19	4.0	U	4.0	1.0
622-96-8	4-Ethyltoluene	120.20	4.0	U	4.0	0.92
108-67-8	1,3,5-Trimethylbenzene	120.20	4.0	U	4.0	1.0
95-49-8	2-Chlorotoluene	126.59	4.0	U	4.0	0.94
98-06-6	tert-Butylbenzene	134.22	4.0	U	4.0	0.94
95-63-6	1,2,4-Trimethylbenzene	120.20	4.0	U	4.0	1.0
135-98-8	sec-Butylbenzene	134.22	4.0	U	4.0	0.94
99-87-6	4-Isopropyltoluene	134.22	4.0	U	4.0	0.96
541-73-1	1,3-Dichlorobenzene	147.00	4.0	U	4.0	0.88
106-46-7	1,4-Dichlorobenzene	147.00	4.0	U	4.0	0.88
100-44-7	Benzyl chloride	126.58	4.0	U	4.0	0.92
104-51-8	n-Butylbenzene	134.22	4.0	U	4.0	1.1

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
Matrix: Air Lab File ID: bkaj021.d
Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
Sample wt/vol: 49 (mL) Date Analyzed: 05/06/2011 03:38
Soil Aliquot Vol: _____ Dilution Factor: 19.9
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.0	U	4.0	0.96
120-82-1	1,2,4-Trichlorobenzene	181.45	10	U	10	1.0
87-68-3	Hexachlorobutadiene	260.76	4.0	U	4.0	1.3
91-20-3	Naphthalene	128.17	10	U	10	1.7

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
 Matrix: Air Lab File ID: bkaj021.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
 Sample wt/vol: 49 (mL) Date Analyzed: 05/06/2011 03:38
 Soil Aliquot Vol: _____ Dilution Factor: 19.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	49	U	49	3.7
75-45-6	Freon 22	86.47	35	U	35	2.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	28	U	28	4.5
74-87-3	Chloromethane	50.49	21	U	21	0.53
106-97-8	n-Butane	58.12	24	U	24	0.52
75-01-4	Vinyl chloride	62.50	10	U	10	1.5
106-99-0	1,3-Butadiene	54.09	8.8	U	8.8	0.44
74-83-9	Bromomethane	94.94	15	U	15	0.93
75-00-3	Chloroethane	64.52	26	U	26	0.84
593-60-2	Bromoethene (Vinyl Bromide)	106.96	17	U	17	1.7
75-69-4	Trichlorofluoromethane	137.37	32		22	3.8
76-13-1	Freon TF	187.38	150		31	1.5
75-35-4	1,1-Dichloroethene	96.94	16	U	16	2.4
67-64-1	Acetone	58.08	240	U	240	2.1
67-63-0	Isopropyl alcohol	60.10	240	U	240	1.8
75-15-0	Carbon disulfide	76.14	31	U	31	4.1
107-05-1	3-Chloropropene	76.53	31	U	31	1.2
75-09-2	Methylene Chloride	84.93	35	U	35	0.90
75-65-0	tert-Butyl alcohol	74.12	300	U	300	4.3
1634-04-4	Methyl tert-butyl ether	88.15	14	U	14	1.1
156-60-5	trans-1,2-Dichloroethene	96.94	16	U	16	2.5
110-54-3	n-Hexane	86.17	14	U	14	1.8
75-34-3	1,1-Dichloroethane	98.96	16	U	16	2.8
78-93-3	Methyl Ethyl Ketone	72.11	29	U	29	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	16	U	16	1.1
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	1.1
67-66-3	Chloroform	119.38	19	U	19	3.0
109-99-9	Tetrahydrofuran	72.11	290	U	290	1.1
71-55-6	1,1,1-Trichloroethane	133.41	240		22	3.8
110-82-7	Cyclohexane	84.16	14	U	14	2.7
56-23-5	Carbon tetrachloride	153.81	25	U	25	4.1
540-84-1	2,2,4-Trimethylpentane	114.23	19	U	19	3.3
71-43-2	Benzene	78.11	13	U	13	1.1
107-06-2	1,2-Dichloroethane	98.96	16	U	16	2.5
142-82-5	n-Heptane	100.21	16	U	16	0.82

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
 Matrix: Air Lab File ID: bkaj021.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
 Sample wt/vol: 49(mL) Date Analyzed: 05/06/2011 03:38
 Soil Aliquot Vol: Dilution Factor: 19.9
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2800		21	3.2
80-62-6	Methyl methacrylate	100.12	41	U	41	1.1
78-87-5	1,2-Dichloropropane	112.99	18	U	18	1.3
123-91-1	1,4-Dioxane	88.11	360	U	360	6.3
75-27-4	Bromodichloromethane	163.83	27	U	27	3.7
10061-01-5	cis-1,3-Dichloropropene	110.97	18	U	18	1.4
108-10-1	methyl isobutyl ketone	100.16	41	U	41	2.1
108-88-3	Toluene	92.14	15	U	15	1.3
10061-02-6	trans-1,3-Dichloropropene	110.97	18	U	18	1.8
79-00-5	1,1,2-Trichloroethane	133.41	22	U	22	2.1
127-18-4	Tetrachloroethene	165.83	27	U	27	1.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	41	U	41	3.2
124-48-1	Dibromochloromethane	208.29	34	U	34	3.6
106-93-4	1,2-Dibromoethane	187.87	31	U	31	2.8
108-90-7	Chlorobenzene	112.30	18	U	18	1.8
100-41-4	Ethylbenzene	106.17	17	U	17	1.9
179601-23-1	m,p-Xylene	106.17	43	U	43	4.1
95-47-6	Xylene, o-	106.17	17	U	17	1.9
1330-20-7	Xylene (total)	106.17	17	U	17	1.9
100-42-5	Styrene	104.15	17	U	17	2.5
75-25-2	Bromoform	252.75	41	U	41	3.9
98-82-8	Cumene	120.19	20	U	20	3.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	27	U	27	5.5
103-65-1	n-Propylbenzene	120.19	20	U	20	4.9
622-96-8	4-Ethyltoluene	120.20	20	U	20	4.5
108-67-8	1,3,5-Trimethylbenzene	120.20	20	U	20	5.0
95-49-8	2-Chlorotoluene	126.59	21	U	21	4.8
98-06-6	tert-Butylbenzene	134.22	22	U	22	5.1
95-63-6	1,2,4-Trimethylbenzene	120.20	20	U	20	5.1
135-98-8	sec-Butylbenzene	134.22	22	U	22	5.1
99-87-6	4-Isopropyltoluene	134.22	22	U	22	5.2
541-73-1	1,3-Dichlorobenzene	147.00	24	U	24	5.3
106-46-7	1,4-Dichlorobenzene	147.00	24	U	24	5.3
100-44-7	Benzyl chloride	126.58	21	U	21	4.7
104-51-8	n-Butylbenzene	134.22	22	U	22	6.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-5 Lab Sample ID: 200-5005-7
Matrix: Air Lab File ID: bkaj021.d
Analysis Method: TO-15 Date Collected: 04/29/2011 15:06
Sample wt/vol: 49 (mL) Date Analyzed: 05/06/2011 03:38
Soil Aliquot Vol: _____ Dilution Factor: 19.9
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	24	U	24	5.7
120-82-1	1,2,4-Trichlorobenzene	181.45	74	U	74	7.4
87-68-3	Hexachlorobutadiene	260.76	42	U	42	14
91-20-3	Naphthalene	128.17	52	U	52	9.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-7
Client Smp ID: SL-022-5
Inj Date : 06-MAY-2011 03:38
Operator : pad
Smp Info : 200-5005-A-7
Misc Info : 49,19.9, all74 cdf4.88
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 7
Dil Factor: 19.90000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bka014.d
Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	19.90000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	49.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85		3.034	3.040	(0.330)	4874	0.04437	0.88(a)
3 Chlorodifluoromethane	51		3.066	3.072	(0.333)	4821	0.10569	2.1(aQ)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		Compound Not Detected.					
5 Chloromethane	50		Compound Not Detected.					
6 Butane	43		3.477	3.488	(0.378)	3303	0.08318	1.7(aQ)
7 Vinyl chloride	62		Compound Not Detected.					
8 1,3-Butadiene	54		Compound Not Detected.					
9 Bromomethane	94		Compound Not Detected.					
10 Chloroethane	64		Compound Not Detected.					
12 Vinyl bromide	106		Compound Not Detected.					
13 Trichlorofluoromethane	101		4.796	4.801	(0.521)	53268	0.28904	5.8
17 1,1,2-Trichloro-1,2,2-trifluo	101		5.788	5.788	(0.629)	144615	0.96845	19
19 1,1-Dichloroethene	96		Compound Not Detected.					
20 Acetone	43		6.092	6.045	(0.662)	87277	1.14637	23(a)
21 Carbon disulfide	76		Compound Not Detected.					

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.407	6.322	(0.697)		121251	1.96022	39(a)
23 Allyl chloride	41		Compound Not Detected.						
25 Methylene chloride	49		6.802	6.802	(0.739)		3746	0.06028	1.2(a)
26 Tert-butyl alcohol	59		Compound Not Detected.						
27 Methyl tert-butyl ether	73		Compound Not Detected.						
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 1,1-Dichloroethane	63		Compound Not Detected.						
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.						
34 1,2-Dichloroethene (cis)	96		8.852	8.836	(0.962)		2283	0.02814	0.56(a)
36 Methyl Ethyl Ketone	72		8.921	8.857	(0.970)		4636	0.13396	2.7(aQM)
* 37 Bromochloromethane	128		9.199	9.199	(1.000)		767823	10.0000	
38 Tetrahydrofuran	42		Compound Not Detected.						
39 Chloroform	83		9.284	9.284	(1.009)		22391	0.15250	3.0(a)
40 Cyclohexane	84		Compound Not Detected.						
41 1,1,1-Trichloroethane	97		9.524	9.524	(0.898)		360802	2.23831	45
42 Carbon tetrachloride	117		Compound Not Detected.						
43 2,2,4-Trimethylpentane	57		Compound Not Detected.						
44 Benzene	78		Compound Not Detected.						
45 1,2-Dichloroethane	62		Compound Not Detected.						
46 n-Heptane	43		Compound Not Detected.						
* 47 1,4-Difluorobenzene	114		10.607	10.608	(1.000)		3799112	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)		2870367	26.3958	530
50 1,2-Dichloropropane	63		Compound Not Detected.						
51 Methyl methacrylate	69		Compound Not Detected.						
53 1,4-Dioxane	88		Compound Not Detected.						
54 Bromodichloromethane	83		Compound Not Detected.						
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.						
56 Methyl isobutyl ketone	43		Compound Not Detected.						
58 Toluene	92		12.753	12.748	(0.866)		11427	0.06308	1.3(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.						
60 1,1,2-Trichloroethane	83		Compound Not Detected.						
61 Tetrachloroethene	166		13.521	13.516	(0.918)		3201	0.02000	0.40(aQ)
62 2-Hexanone	43		Compound Not Detected.						
63 Dibromochloromethane	129		Compound Not Detected.						
64 1,2-Dibromoethane	107		Compound Not Detected.						
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)		3454061	10.0000	
66 Chlorobenzene	112		Compound Not Detected.						
68 Ethylbenzene	91		Compound Not Detected.						
69 Xylene (m,p)	106		Compound Not Detected.						
M 70 Xylenes, Total	106		Compound Not Detected.						
71 Xylene (o)	106		Compound Not Detected.						
72 Styrene	104		Compound Not Detected.						
73 Bromoform	173		Compound Not Detected.						
74 Isopropylbenzene	105		Compound Not Detected.						
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
76 n-Propylbenzene	91		Compound Not Detected.						

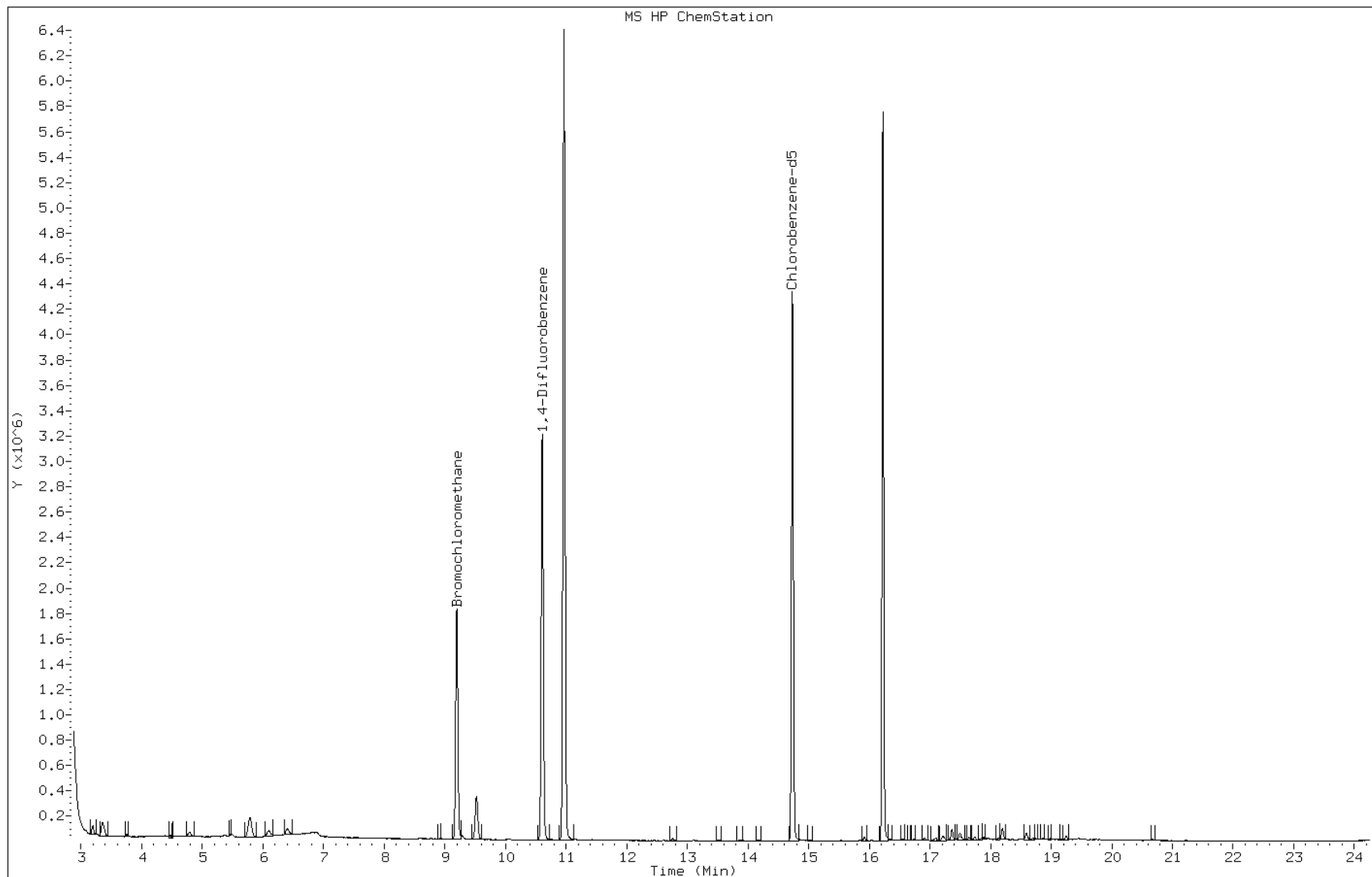
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj021.d
Client ID: SL-022-5
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-7
Lab Sample ID: 200-5005-7

Date: 06-MAY-2011 03:38
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj021.d

Lab Sample ID: 200-5005-7

Date: 06-MAY-2011 03:38

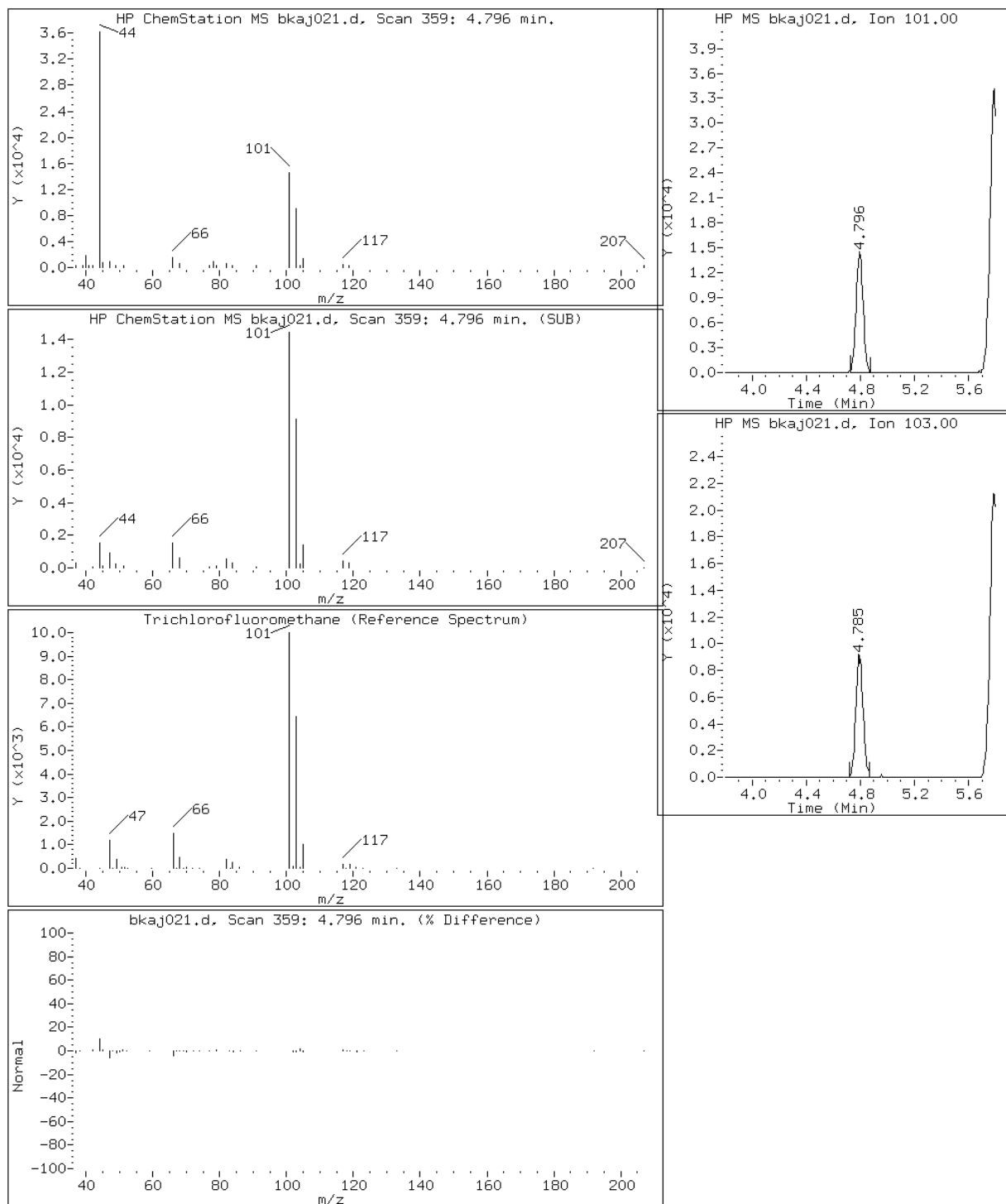
Client ID: SL-022-5

Instrument: B.i

Sample Info: 200-5005-A-7

Operator: pad

13 Trichlorofluoromethane



Data File: bkaj021.d

Lab Sample ID: 200-5005-7

Date: 06-MAY-2011 03:38

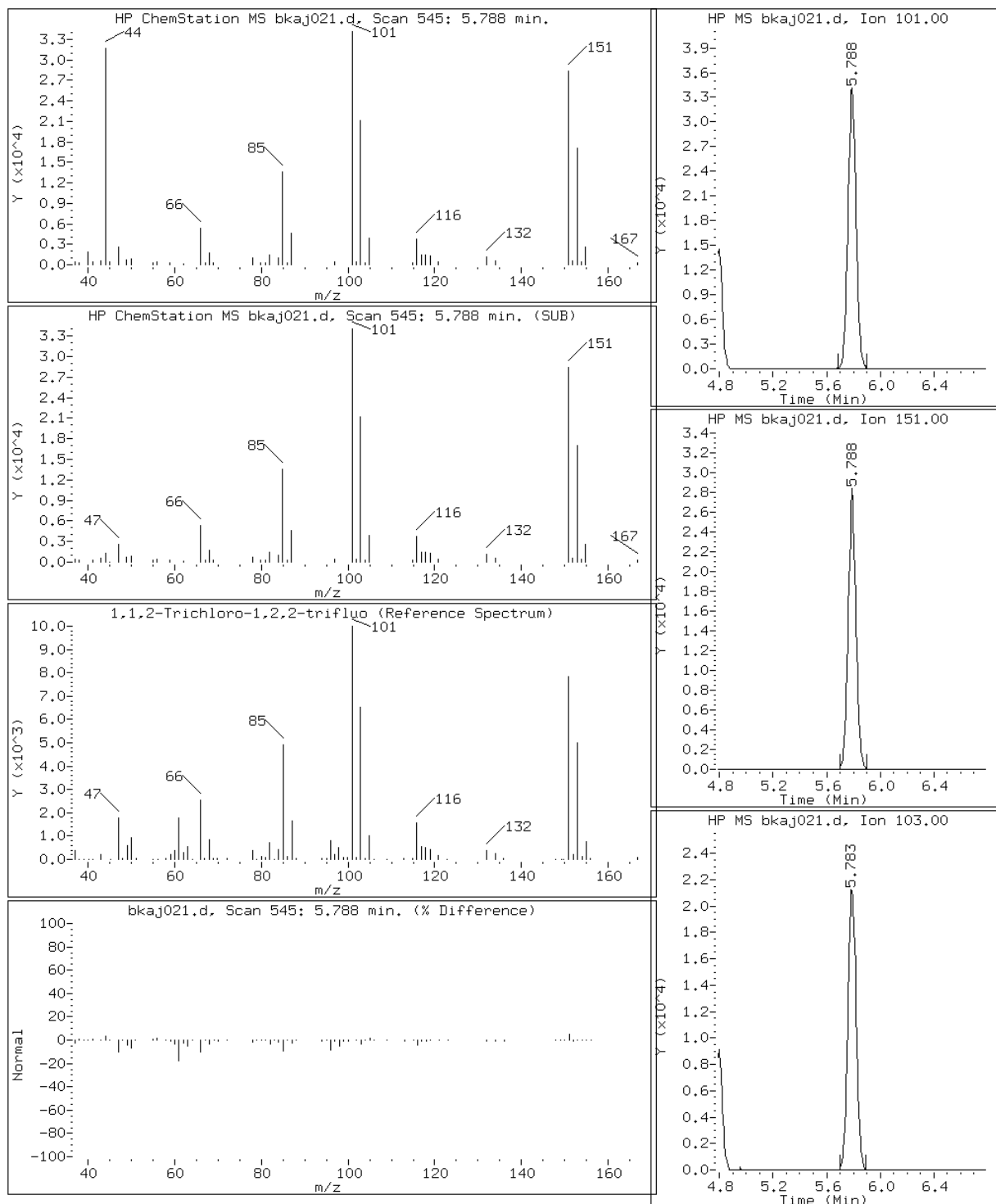
Client ID: SL-022-5

Instrument: B.i

Sample Info: 200-5005-A-7

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluoro



Data File: bkaj021.d

Lab Sample ID: 200-5005-7

Date: 06-MAY-2011 03:38

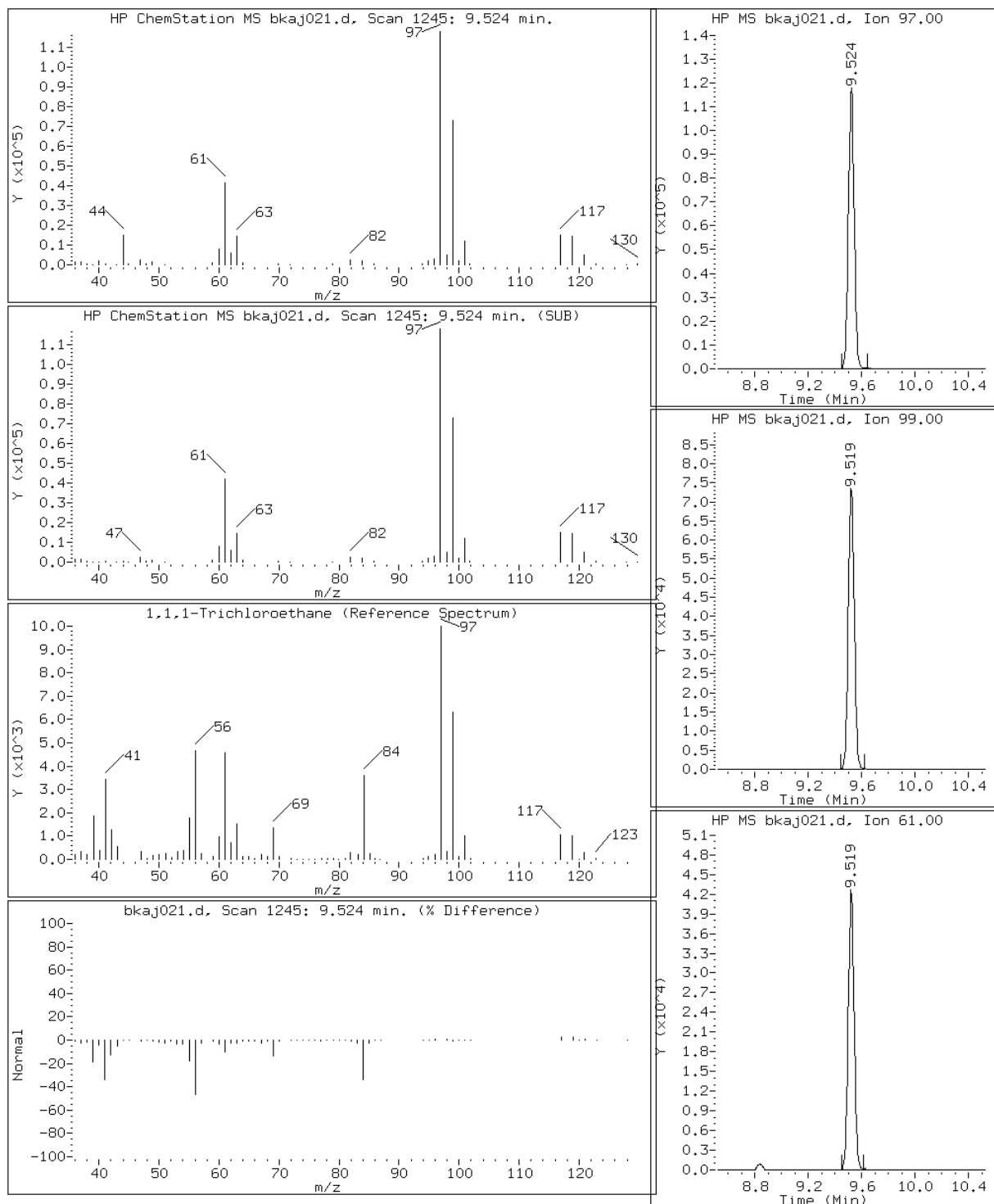
Client ID: SL-022-5

Instrument: B.i

Sample Info: 200-5005-A-7

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj021.d

Lab Sample ID: 200-5005-7

Date: 06-MAY-2011 03:38

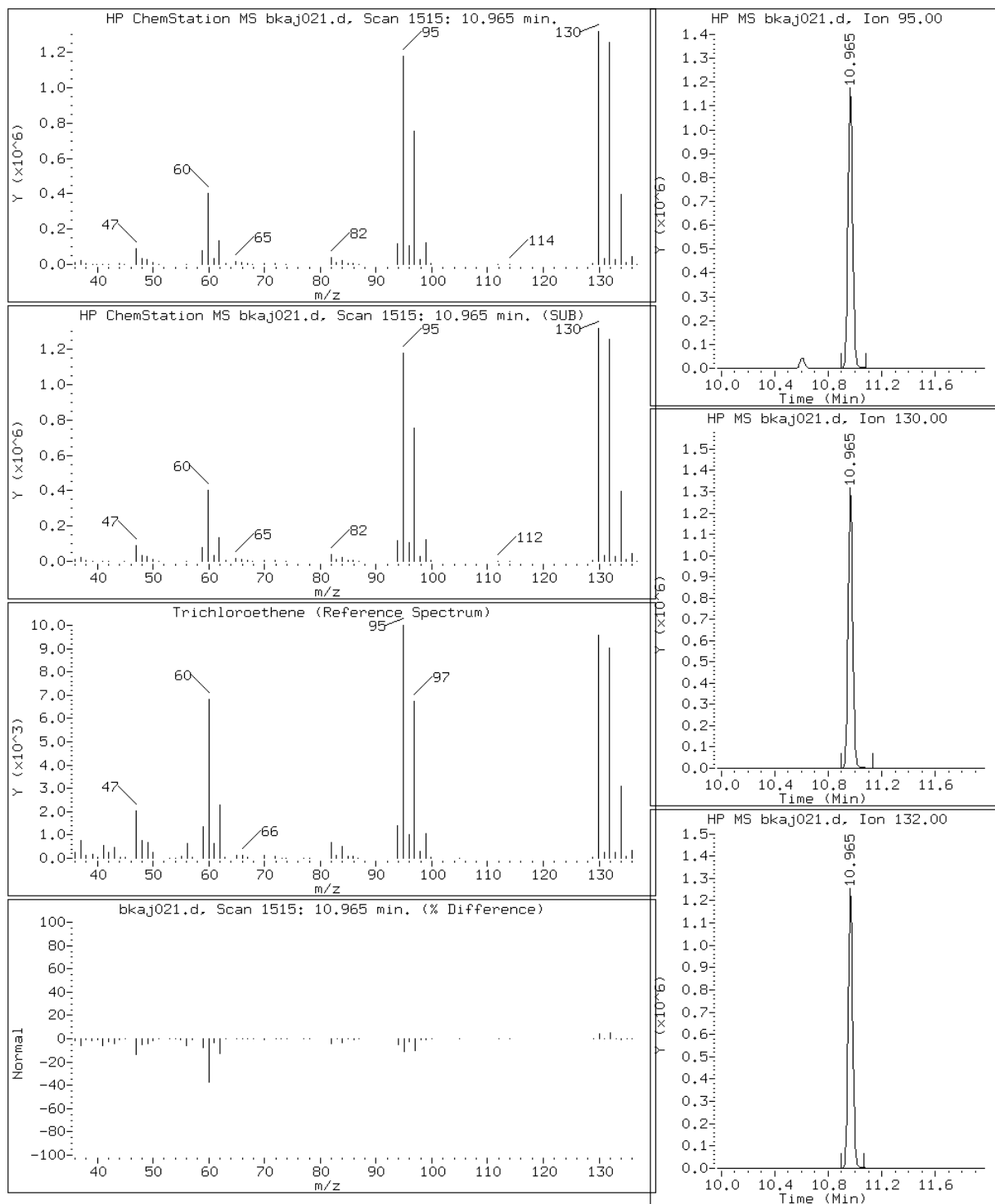
Client ID: SL-022-5

Instrument: B.i

Sample Info: 200-5005-A-7

Operator: pad

49 Trichloroethene

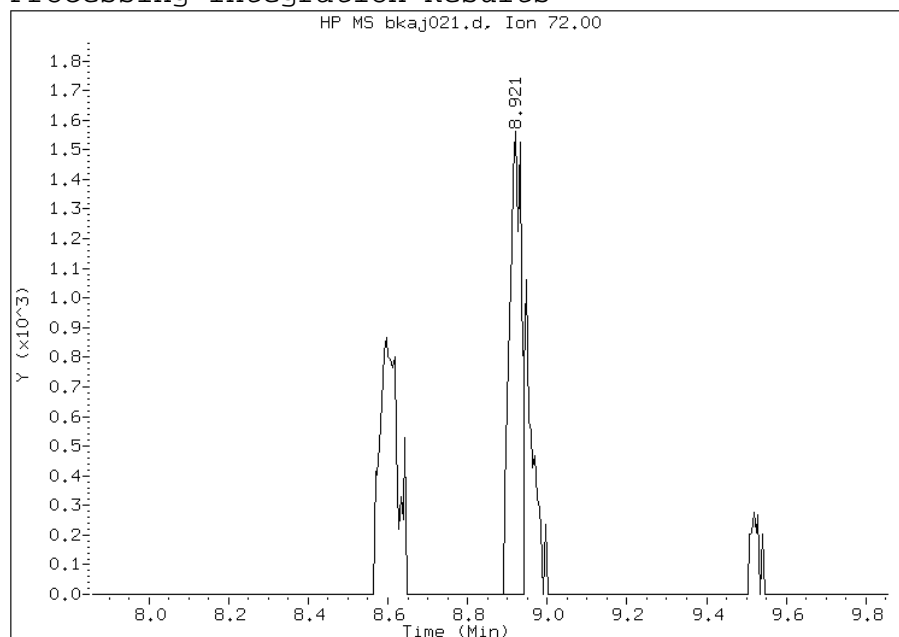


Manual Integration Report

Data File: bkaj021.d
Lab Sample ID: 200-5005-7
Inj. Date and Time: 06-MAY-2011 03:38
Instrument ID: B.i
Client ID: SL-022-5
Compound: 36 Methyl Ethyl Ketone
CAS #: 78-93-3
Report Date: 05/09/2011

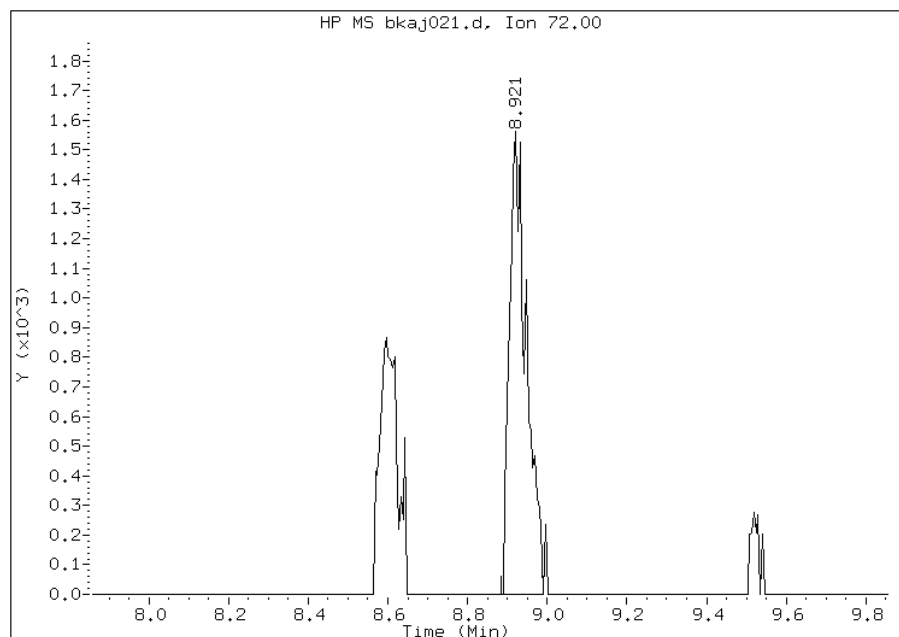
Processing Integration Results

RT: 8.92
Response: 3377
Amount: 0.097600
Conc: 1.94



Manual Integration Results

RT: 8.92
Response: 4636
Amount: 0.133956
Conc: 2.67



File Uploaded By: cmp
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
Matrix: Air Lab File ID: bkaj022.d
Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
Soil Aliquot Vol: _____ Dilution Factor: 25
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12	U	12	0.95
75-45-6	Freon 22	86.47	12	U	12	0.85
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.0	U	5.0	0.80
74-87-3	Chloromethane	50.49	12	U	12	0.32
106-97-8	n-Butane	58.12	12	U	12	0.28
75-01-4	Vinyl chloride	62.50	5.0	U	5.0	0.72
106-99-0	1,3-Butadiene	54.09	5.0	U	5.0	0.25
74-83-9	Bromomethane	94.94	5.0	U	5.0	0.30
75-00-3	Chloroethane	64.52	12	U	12	0.40
593-60-2	Bromoethene (Vinyl Bromide)	106.96	5.0	U	5.0	0.48
75-69-4	Trichlorofluoromethane	137.37	6.0		5.0	0.85
76-13-1	Freon TF	187.38	21		5.0	0.25
75-35-4	1,1-Dichloroethene	96.94	5.0	U	5.0	0.75
67-64-1	Acetone	58.08	120	U	120	1.1
67-63-0	Isopropyl alcohol	60.10	120	U	120	0.92
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	3-Chloropropene	76.53	12	U	12	0.48
75-09-2	Methylene Chloride	84.93	12	U	12	0.32
75-65-0	tert-Butyl alcohol	74.12	120	U	120	1.8
1634-04-4	Methyl tert-butyl ether	88.15	5.0	U	5.0	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	5.0	U	5.0	0.80
110-54-3	n-Hexane	86.17	5.0	U	5.0	0.65
75-34-3	1,1-Dichloroethane	98.96	5.0	U	5.0	0.88
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	0.42
156-59-2	cis-1,2-Dichloroethene	96.94	5.0	U	5.0	0.35
540-59-0	1,2-Dichloroethene, Total	96.94	5.0	U	5.0	0.35
67-66-3	Chloroform	119.38	5.0	U	5.0	0.78
109-99-9	Tetrahydrofuran	72.11	120	U	120	0.45
71-55-6	1,1,1-Trichloroethane	133.41	50		5.0	0.88
110-82-7	Cyclohexane	84.16	5.0	U	5.0	0.98
56-23-5	Carbon tetrachloride	153.81	5.0	U	5.0	0.82
540-84-1	2,2,4-Trimethylpentane	114.23	5.0	U	5.0	0.90
71-43-2	Benzene	78.11	5.0	U	5.0	0.45
107-06-2	1,2-Dichloroethane	98.96	5.0	U	5.0	0.78
142-82-5	n-Heptane	100.21	5.0	U	5.0	0.25

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
 Matrix: Air Lab File ID: bkaj022.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
 Soil Aliquot Vol: Dilution Factor: 25
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	620		5.0	0.75
80-62-6	Methyl methacrylate	100.12	12	U	12	0.32
78-87-5	1,2-Dichloropropane	112.99	5.0	U	5.0	0.35
123-91-1	1,4-Dioxane	88.11	120	U	120	2.2
75-27-4	Bromodichloromethane	163.83	5.0	U	5.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	5.0	U	5.0	0.40
108-10-1	methyl isobutyl ketone	100.16	12	U	12	0.65
108-88-3	Toluene	92.14	5.0	U	5.0	0.45
10061-02-6	trans-1,3-Dichloropropene	110.97	5.0	U	5.0	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.0	U	5.0	0.48
127-18-4	Tetrachloroethene	165.83	5.0	U	5.0	0.28
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	0.98
124-48-1	Dibromochloromethane	208.29	5.0	U	5.0	0.52
106-93-4	1,2-Dibromoethane	187.87	5.0	U	5.0	0.45
108-90-7	Chlorobenzene	112.30	5.0	U	5.0	0.50
100-41-4	Ethylbenzene	106.17	5.0	U	5.0	0.55
179601-23-1	m,p-Xylene	106.17	12	U	12	1.2
95-47-6	Xylene, o-	106.17	5.0	U	5.0	0.55
1330-20-7	Xylene (total)	106.17	5.0	U	5.0	0.55
100-42-5	Styrene	104.15	5.0	U	5.0	0.75
75-25-2	Bromoform	252.75	5.0	U	5.0	0.48
98-82-8	Cumene	120.19	5.0	U	5.0	0.78
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.0	U	5.0	1.0
103-65-1	n-Propylbenzene	120.19	5.0	U	5.0	1.2
622-96-8	4-Ethyltoluene	120.20	5.0	U	5.0	1.2
108-67-8	1,3,5-Trimethylbenzene	120.20	5.0	U	5.0	1.3
95-49-8	2-Chlorotoluene	126.59	5.0	U	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	5.0	U	5.0	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	5.0	U	5.0	1.3
135-98-8	sec-Butylbenzene	134.22	5.0	U	5.0	1.2
99-87-6	4-Isopropyltoluene	134.22	5.0	U	5.0	1.2
541-73-1	1,3-Dichlorobenzene	147.00	5.0	U	5.0	1.1
106-46-7	1,4-Dichlorobenzene	147.00	5.0	U	5.0	1.1
100-44-7	Benzyl chloride	126.58	5.0	U	5.0	1.2
104-51-8	n-Butylbenzene	134.22	5.0	U	5.0	1.4

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
Matrix: Air Lab File ID: bkaj022.d
Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
Soil Aliquot Vol: _____ Dilution Factor: 25
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	5.0	U	5.0	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	12	U	12	1.2
87-68-3	Hexachlorobutadiene	260.76	5.0	U	5.0	1.6
91-20-3	Naphthalene	128.17	12	U	12	2.2

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
 Matrix: Air Lab File ID: bkaj022.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
 Soil Aliquot Vol: _____ Dilution Factor: 25
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	62	U	62	4.7
75-45-6	Freon 22	86.47	44	U	44	3.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	35	U	35	5.6
74-87-3	Chloromethane	50.49	26	U	26	0.67
106-97-8	n-Butane	58.12	30	U	30	0.65
75-01-4	Vinyl chloride	62.50	13	U	13	1.9
106-99-0	1,3-Butadiene	54.09	11	U	11	0.55
74-83-9	Bromomethane	94.94	19	U	19	1.2
75-00-3	Chloroethane	64.52	33	U	33	1.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	22	U	22	2.1
75-69-4	Trichlorofluoromethane	137.37	33		28	4.8
76-13-1	Freon TF	187.38	160		38	1.9
75-35-4	1,1-Dichloroethene	96.94	20	U	20	3.0
67-64-1	Acetone	58.08	300	U	300	2.7
67-63-0	Isopropyl alcohol	60.10	310	U	310	2.3
75-15-0	Carbon disulfide	76.14	39	U	39	5.1
107-05-1	3-Chloropropene	76.53	39	U	39	1.5
75-09-2	Methylene Chloride	84.93	43	U	43	1.1
75-65-0	tert-Butyl alcohol	74.12	380	U	380	5.4
1634-04-4	Methyl tert-butyl ether	88.15	18	U	18	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	20	U	20	3.2
110-54-3	n-Hexane	86.17	18	U	18	2.3
75-34-3	1,1-Dichloroethane	98.96	20	U	20	3.5
78-93-3	Methyl Ethyl Ketone	72.11	37	U	37	1.3
156-59-2	cis-1,2-Dichloroethene	96.94	20	U	20	1.4
540-59-0	1,2-Dichloroethene, Total	96.94	20	U	20	1.4
67-66-3	Chloroform	119.38	24	U	24	3.8
109-99-9	Tetrahydrofuran	72.11	370	U	370	1.3
71-55-6	1,1,1-Trichloroethane	133.41	270		27	4.8
110-82-7	Cyclohexane	84.16	17	U	17	3.4
56-23-5	Carbon tetrachloride	153.81	31	U	31	5.2
540-84-1	2,2,4-Trimethylpentane	114.23	23	U	23	4.2
71-43-2	Benzene	78.11	16	U	16	1.4
107-06-2	1,2-Dichloroethane	98.96	20	U	20	3.1
142-82-5	n-Heptane	100.21	20	U	20	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
 Matrix: Air Lab File ID: bkaj022.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
 Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
 Soil Aliquot Vol: Dilution Factor: 25
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3400		27	4.0
80-62-6	Methyl methacrylate	100.12	51	U	51	1.3
78-87-5	1,2-Dichloropropane	112.99	23	U	23	1.6
123-91-1	1,4-Dioxane	88.11	450	U	450	7.9
75-27-4	Bromodichloromethane	163.83	34	U	34	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	23	U	23	1.8
108-10-1	methyl isobutyl ketone	100.16	51	U	51	2.7
108-88-3	Toluene	92.14	19	U	19	1.7
10061-02-6	trans-1,3-Dichloropropene	110.97	23	U	23	2.3
79-00-5	1,1,2-Trichloroethane	133.41	27	U	27	2.6
127-18-4	Tetrachloroethene	165.83	34	U	34	1.9
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	51	U	51	4.0
124-48-1	Dibromochloromethane	208.29	43	U	43	4.5
106-93-4	1,2-Dibromoethane	187.87	38	U	38	3.5
108-90-7	Chlorobenzene	112.30	23	U	23	2.3
100-41-4	Ethylbenzene	106.17	22	U	22	2.4
179601-23-1	m,p-Xylene	106.17	54	U	54	5.2
95-47-6	Xylene, o-	106.17	22	U	22	2.4
1330-20-7	Xylene (total)	106.17	22	U	22	2.4
100-42-5	Styrene	104.15	21	U	21	3.2
75-25-2	Bromoform	252.75	52	U	52	4.9
98-82-8	Cumene	120.19	25	U	25	3.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	34	U	34	6.9
103-65-1	n-Propylbenzene	120.19	25	U	25	6.1
622-96-8	4-Ethyltoluene	120.20	25	U	25	5.7
108-67-8	1,3,5-Trimethylbenzene	120.20	25	U	25	6.3
95-49-8	2-Chlorotoluene	126.59	26	U	26	6.1
98-06-6	tert-Butylbenzene	134.22	27	U	27	6.5
95-63-6	1,2,4-Trimethylbenzene	120.20	25	U	25	6.4
135-98-8	sec-Butylbenzene	134.22	27	U	27	6.5
99-87-6	4-Isopropyltoluene	134.22	27	U	27	6.6
541-73-1	1,3-Dichlorobenzene	147.00	30	U	30	6.6
106-46-7	1,4-Dichlorobenzene	147.00	30	U	30	6.6
100-44-7	Benzyl chloride	126.58	26	U	26	6.0
104-51-8	n-Butylbenzene	134.22	27	U	27	7.5

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-20 Lab Sample ID: 200-5005-8
Matrix: Air Lab File ID: bkaj022.d
Analysis Method: TO-15 Date Collected: 04/29/2011 15:21
Sample wt/vol: 37 (mL) Date Analyzed: 05/06/2011 04:31
Soil Aliquot Vol: _____ Dilution Factor: 25
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	30	U	30	7.2
120-82-1	1,2,4-Trichlorobenzene	181.45	93	U	93	9.3
87-68-3	Hexachlorobutadiene	260.76	53	U	53	17
91-20-3	Naphthalene	128.17	66	U	66	11

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-8
Client Smp ID: SL-022-20
Inj Date : 06-MAY-2011 04:31
Operator : pad
Smp Info : 200-5005-A-8
Misc Info : 37,25, all74 cdf4.63
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd
Cal Date : 20-APR-2011 08:43
Als bottle: 8
Dil Factor: 25.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i

Quant Type: ISTD

Cal File: bka014.d

Compound Sublist: all74.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	25.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	37.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51		3.067	3.072	(0.333)	3849	0.08598	2.1(aQ)
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43		3.483	3.488	(0.379)	1829	0.04693	1.2(aQ)
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101		4.796	4.801	(0.521)	43065	0.23810	6.0
17 1,1,2-Trichloro-1,1,2,2-trifluo	101		5.788	5.788	(0.629)	121336	0.82793	21
19 1,1-Dichloroethene	96							
20 Acetone	43		6.109	6.045	(0.664)	46437	0.62149	16(a)
21 Carbon disulfide	76							

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
22 Isopropanol	45	6.440	6.322	(0.700)	71495	1.17770	29(a)
23 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	6.803	6.802	(0.739)	3619	0.05934	1.5(aQ)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30 n-Hexane	57	Compound Not Detected.					
31 1,1-Dichloroethane	63	Compound Not Detected.					
M 33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	8.943	8.857	(0.972)	1610	0.04740	1.2(aQ)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	753563	10.0000	
38 Tetrahydrofuran	42	Compound Not Detected.					
39 Chloroform	83	9.284	9.284	(1.009)	19331	0.13415	3.4(a)
40 Cyclohexane	84	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	319488	2.00669	50
42 Carbon tetrachloride	117	Compound Not Detected.					
43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
44 Benzene	78	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
46 n-Heptane	43	Compound Not Detected.					
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3752390	10.0000	
49 Trichloroethene	95	10.965	10.971	(1.034)	2679767	24.9499	620
50 1,2-Dichloropropane	63	Compound Not Detected.					
51 Methyl methacrylate	69	Compound Not Detected.					
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56 Methyl isobutyl ketone	43	Compound Not Detected.					
58 Toluene	92	12.764	12.748	(0.866)	6358	0.03617	0.90(aQ)
59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	83	Compound Not Detected.					
61 Tetrachloroethene	166	13.527	13.516	(0.918)	3710	0.02389	0.60(a)
62 2-Hexanone	43	Compound Not Detected.					
63 Dibromochloromethane	129	Compound Not Detected.					
64 1,2-Dibromoethane	107	Compound Not Detected.					
* 65 Chlorobenzene-d5	117	14.733	14.738	(1.000)	3351548	10.0000	
66 Chlorobenzene	112	Compound Not Detected.					
68 Ethylbenzene	91	Compound Not Detected.					
69 Xylene (m,p)	106	Compound Not Detected.					
M 70 Xylenes, Total	106	Compound Not Detected.					
71 Xylene (o)	106	Compound Not Detected.					
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	Compound Not Detected.					

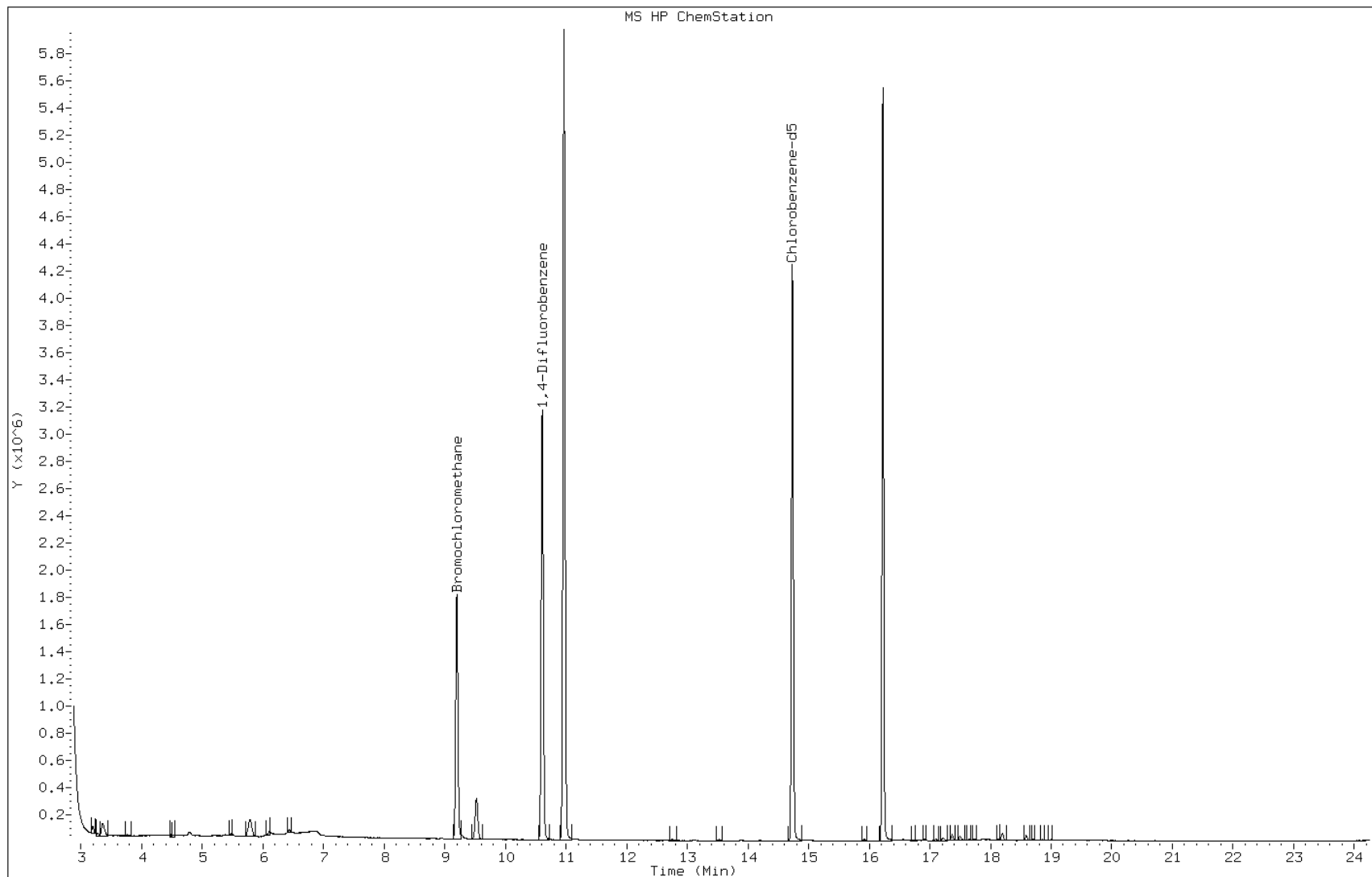
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: bkaj022.d
Client ID: SL-022-20
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-8
Lab Sample ID: 200-5005-8

Date: 06-MAY-2011 04:31
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj022.d

Lab Sample ID: 200-5005-8

Date: 06-MAY-2011 04:31

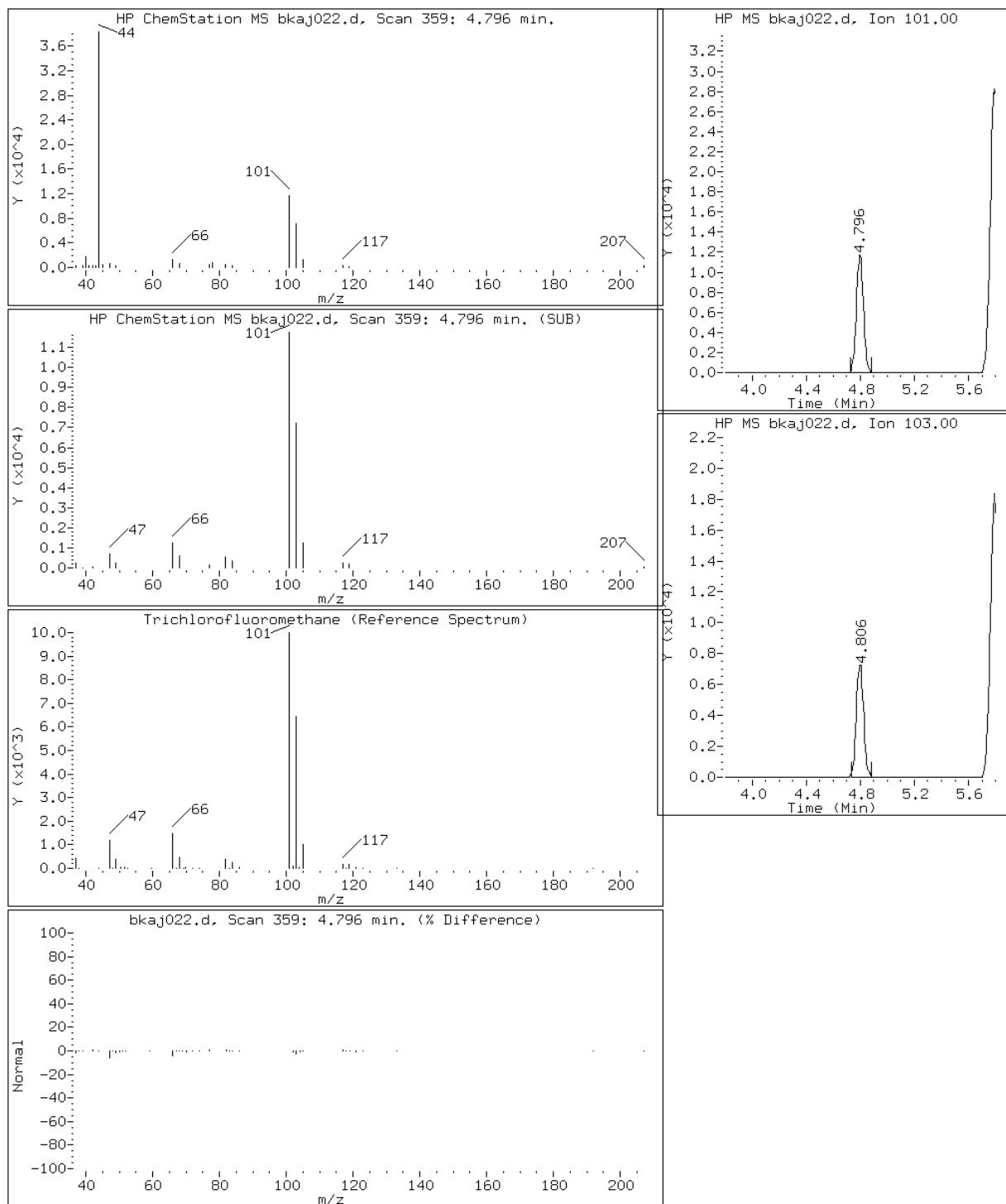
Client ID: SL-022-20

Instrument: B.i

Sample Info: 200-5005-A-8

Operator: pad

13 Trichlorofluoromethane



Data File: bkaj022.d

Lab Sample ID: 200-5005-8

Date: 06-MAY-2011 04:31

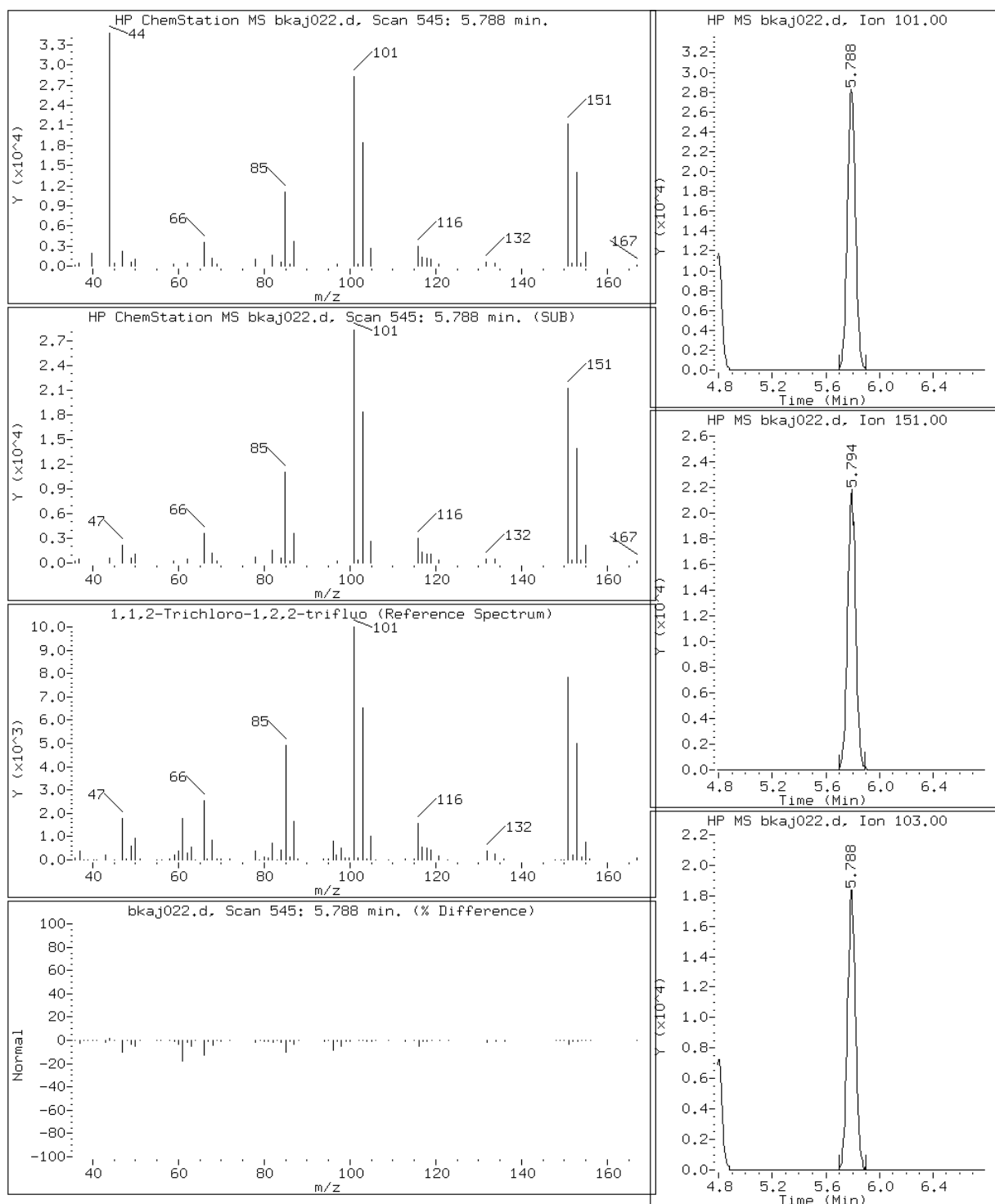
Client ID: SL-022-20

Instrument: B.i

Sample Info: 200-5005-A-8

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluoro



Data File: bkaj022.d

Lab Sample ID: 200-5005-8

Date: 06-MAY-2011 04:31

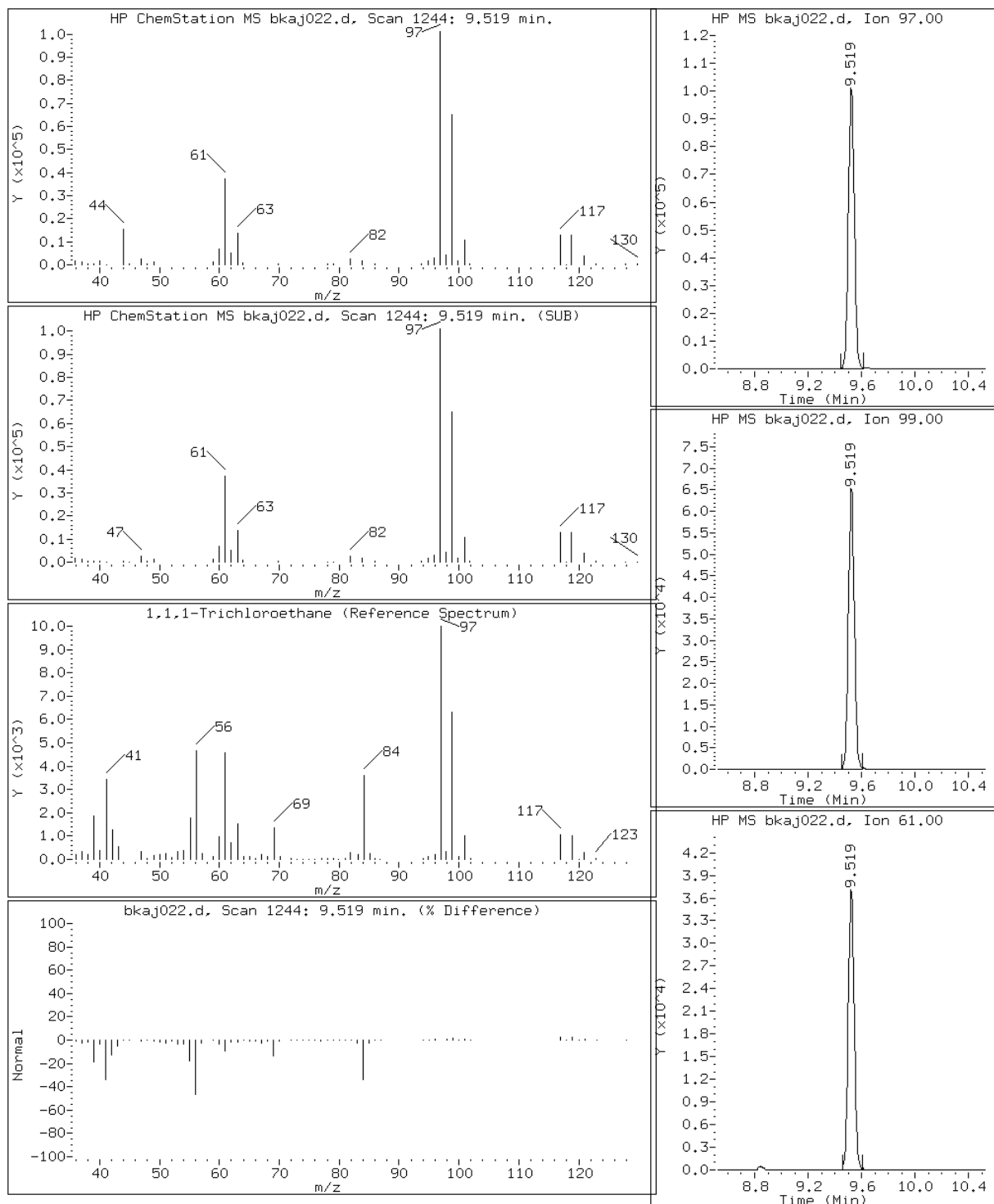
Client ID: SL-022-20

Instrument: B.i

Sample Info: 200-5005-A-8

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj022.d

Lab Sample ID: 200-5005-8

Date: 06-MAY-2011 04:31

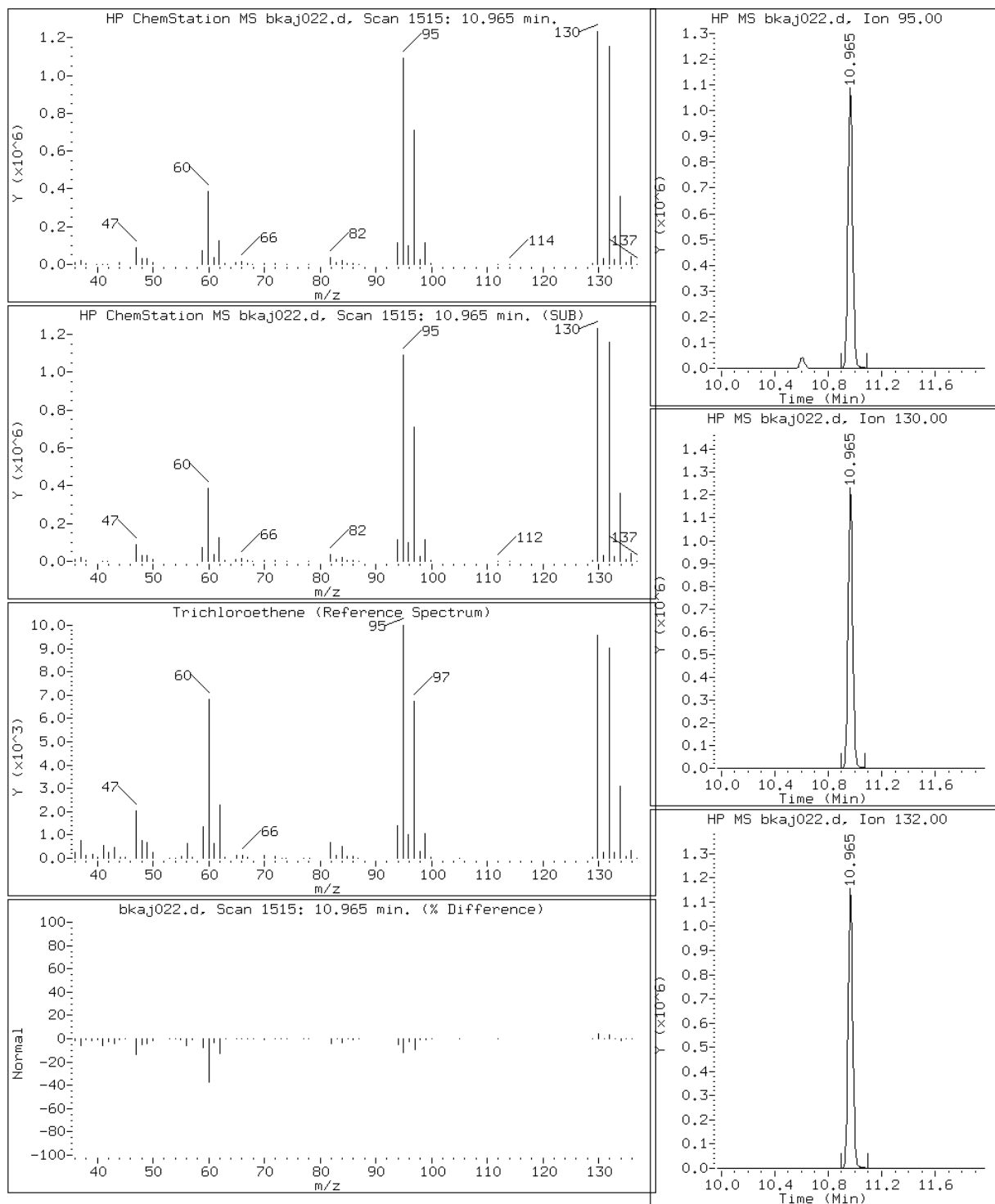
Client ID: SL-022-20

Instrument: B.i

Sample Info: 200-5005-A-8

Operator: pad

49 Trichloroethene



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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
 Matrix: Air Lab File ID: bkaj023.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
 Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
 Soil Aliquot Vol: _____ Dilution Factor: 24.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12	U	12	0.95
75-45-6	Freon 22	86.47	12	U	12	0.85
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.0	U	5.0	0.80
74-87-3	Chloromethane	50.49	12	U	12	0.32
106-97-8	n-Butane	58.12	12	U	12	0.27
75-01-4	Vinyl chloride	62.50	5.0	U	5.0	0.72
106-99-0	1,3-Butadiene	54.09	5.0	U	5.0	0.25
74-83-9	Bromomethane	94.94	5.0	U	5.0	0.30
75-00-3	Chloroethane	64.52	12	U	12	0.40
593-60-2	Bromoethene (Vinyl Bromide)	106.96	5.0	U	5.0	0.47
75-69-4	Trichlorofluoromethane	137.37	5.0	U	5.0	0.85
76-13-1	Freon TF	187.38	17		5.0	0.25
75-35-4	1,1-Dichloroethene	96.94	5.0	U	5.0	0.75
67-64-1	Acetone	58.08	120	U	120	1.1
67-63-0	Isopropyl alcohol	60.10	120	U	120	0.92
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	3-Chloropropene	76.53	12	U	12	0.47
75-09-2	Methylene Chloride	84.93	12	U	12	0.32
75-65-0	tert-Butyl alcohol	74.12	120	U	120	1.8
1634-04-4	Methyl tert-butyl ether	88.15	5.0	U	5.0	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	5.0	U	5.0	0.80
110-54-3	n-Hexane	86.17	5.0	U	5.0	0.65
75-34-3	1,1-Dichloroethane	98.96	5.0	U	5.0	0.87
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	0.42
156-59-2	cis-1,2-Dichloroethene	96.94	5.0	U	5.0	0.35
540-59-0	1,2-Dichloroethene, Total	96.94	5.0	U	5.0	0.35
67-66-3	Chloroform	119.38	5.0	U	5.0	0.77
109-99-9	Tetrahydrofuran	72.11	120	U	120	0.45
71-55-6	1,1,1-Trichloroethane	133.41	50		5.0	0.87
110-82-7	Cyclohexane	84.16	5.0	U	5.0	0.97
56-23-5	Carbon tetrachloride	153.81	5.0	U	5.0	0.82
540-84-1	2,2,4-Trimethylpentane	114.23	5.0	U	5.0	0.90
71-43-2	Benzene	78.11	5.0	U	5.0	0.45
107-06-2	1,2-Dichloroethane	98.96	5.0	U	5.0	0.77
142-82-5	n-Heptane	100.21	5.0	U	5.0	0.25

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
 Matrix: Air Lab File ID: bkaj023.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
 Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
 Soil Aliquot Vol: _____ Dilution Factor: 24.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	680		5.0	0.75
80-62-6	Methyl methacrylate	100.12	12	U	12	0.32
78-87-5	1,2-Dichloropropane	112.99	5.0	U	5.0	0.35
123-91-1	1,4-Dioxane	88.11	120	U	120	2.2
75-27-4	Bromodichloromethane	163.83	5.0	U	5.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	5.0	U	5.0	0.40
108-10-1	methyl isobutyl ketone	100.16	12	U	12	0.65
108-88-3	Toluene	92.14	5.0	U	5.0	0.45
10061-02-6	trans-1,3-Dichloropropene	110.97	5.0	U	5.0	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.0	U	5.0	0.47
127-18-4	Tetrachloroethene	165.83	5.0	U	5.0	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	0.97
124-48-1	Dibromochloromethane	208.29	5.0	U	5.0	0.52
106-93-4	1,2-Dibromoethane	187.87	5.0	U	5.0	0.45
108-90-7	Chlorobenzene	112.30	5.0	U	5.0	0.50
100-41-4	Ethylbenzene	106.17	5.0	U	5.0	0.55
179601-23-1	m,p-Xylene	106.17	12	U	12	1.2
95-47-6	Xylene, o-	106.17	5.0	U	5.0	0.55
1330-20-7	Xylene (total)	106.17	5.0	U	5.0	0.55
100-42-5	Styrene	104.15	5.0	U	5.0	0.75
75-25-2	Bromoform	252.75	5.0	U	5.0	0.47
98-82-8	Cumene	120.19	5.0	U	5.0	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.0	U	5.0	1.0
103-65-1	n-Propylbenzene	120.19	5.0	U	5.0	1.2
622-96-8	4-Ethyltoluene	120.20	5.0	U	5.0	1.1
108-67-8	1,3,5-Trimethylbenzene	120.20	5.0	U	5.0	1.3
95-49-8	2-Chlorotoluene	126.59	5.0	U	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	5.0	U	5.0	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	5.0	U	5.0	1.3
135-98-8	sec-Butylbenzene	134.22	5.0	U	5.0	1.2
99-87-6	4-Isopropyltoluene	134.22	5.0	U	5.0	1.2
541-73-1	1,3-Dichlorobenzene	147.00	5.0	U	5.0	1.1
106-46-7	1,4-Dichlorobenzene	147.00	5.0	U	5.0	1.1
100-44-7	Benzyl chloride	126.58	5.0	U	5.0	1.1
104-51-8	n-Butylbenzene	134.22	5.0	U	5.0	1.4

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
Matrix: Air Lab File ID: bkaj023.d
Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
Soil Aliquot Vol: _____ Dilution Factor: 24.9
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	5.0	U	5.0	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	12	U	12	1.2
87-68-3	Hexachlorobutadiene	260.76	5.0	U	5.0	1.6
91-20-3	Naphthalene	128.17	12	U	12	2.1

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
 Matrix: Air Lab File ID: bkaj023.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
 Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
 Soil Aliquot Vol: _____ Dilution Factor: 24.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	62	U	62	4.7
75-45-6	Freon 22	86.47	44	U	44	3.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	35	U	35	5.6
74-87-3	Chloromethane	50.49	26	U	26	0.67
106-97-8	n-Butane	58.12	30	U	30	0.65
75-01-4	Vinyl chloride	62.50	13	U	13	1.8
106-99-0	1,3-Butadiene	54.09	11	U	11	0.55
74-83-9	Bromomethane	94.94	19	U	19	1.2
75-00-3	Chloroethane	64.52	33	U	33	1.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	22	U	22	2.1
75-69-4	Trichlorofluoromethane	137.37	28	U	28	4.8
76-13-1	Freon TF	187.38	130		38	1.9
75-35-4	1,1-Dichloroethene	96.94	20	U	20	3.0
67-64-1	Acetone	58.08	300	U	300	2.7
67-63-0	Isopropyl alcohol	60.10	310	U	310	2.3
75-15-0	Carbon disulfide	76.14	39	U	39	5.1
107-05-1	3-Chloropropene	76.53	39	U	39	1.5
75-09-2	Methylene Chloride	84.93	43	U	43	1.1
75-65-0	tert-Butyl alcohol	74.12	380	U	380	5.4
1634-04-4	Methyl tert-butyl ether	88.15	18	U	18	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	20	U	20	3.2
110-54-3	n-Hexane	86.17	18	U	18	2.3
75-34-3	1,1-Dichloroethane	98.96	20	U	20	3.5
78-93-3	Methyl Ethyl Ketone	72.11	37	U	37	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	20	U	20	1.4
540-59-0	1,2-Dichloroethene, Total	96.94	20	U	20	1.4
67-66-3	Chloroform	119.38	24	U	24	3.8
109-99-9	Tetrahydrofuran	72.11	370	U	370	1.3
71-55-6	1,1,1-Trichloroethane	133.41	270		27	4.8
110-82-7	Cyclohexane	84.16	17	U	17	3.3
56-23-5	Carbon tetrachloride	153.81	31	U	31	5.2
540-84-1	2,2,4-Trimethylpentane	114.23	23	U	23	4.2
71-43-2	Benzene	78.11	16	U	16	1.4
107-06-2	1,2-Dichloroethane	98.96	20	U	20	3.1
142-82-5	n-Heptane	100.21	20	U	20	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
 Matrix: Air Lab File ID: bkaj023.d
 Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
 Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
 Soil Aliquot Vol: Dilution Factor: 24.9
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3700		27	4.0
80-62-6	Methyl methacrylate	100.12	51	U	51	1.3
78-87-5	1,2-Dichloropropane	112.99	23	U	23	1.6
123-91-1	1,4-Dioxane	88.11	450	U	450	7.9
75-27-4	Bromodichloromethane	163.83	33	U	33	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	23	U	23	1.8
108-10-1	methyl isobutyl ketone	100.16	51	U	51	2.7
108-88-3	Toluene	92.14	19	U	19	1.7
10061-02-6	trans-1,3-Dichloropropene	110.97	23	U	23	2.3
79-00-5	1,1,2-Trichloroethane	133.41	27	U	27	2.6
127-18-4	Tetrachloroethene	165.83	34	U	34	1.9
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	51	U	51	4.0
124-48-1	Dibromochloromethane	208.29	42	U	42	4.5
106-93-4	1,2-Dibromoethane	187.87	38	U	38	3.4
108-90-7	Chlorobenzene	112.30	23	U	23	2.3
100-41-4	Ethylbenzene	106.17	22	U	22	2.4
179601-23-1	m,p-Xylene	106.17	54	U	54	5.2
95-47-6	Xylene, o-	106.17	22	U	22	2.4
1330-20-7	Xylene (total)	106.17	22	U	22	2.4
100-42-5	Styrene	104.15	21	U	21	3.2
75-25-2	Bromoform	252.75	51	U	51	4.9
98-82-8	Cumene	120.19	24	U	24	3.8
79-34-5	1,1,2,2-Tetrachloroethane	167.85	34	U	34	6.8
103-65-1	n-Propylbenzene	120.19	24	U	24	6.1
622-96-8	4-Ethyltoluene	120.20	24	U	24	5.6
108-67-8	1,3,5-Trimethylbenzene	120.20	24	U	24	6.2
95-49-8	2-Chlorotoluene	126.59	26	U	26	6.1
98-06-6	tert-Butylbenzene	134.22	27	U	27	6.4
95-63-6	1,2,4-Trimethylbenzene	120.20	24	U	24	6.4
135-98-8	sec-Butylbenzene	134.22	27	U	27	6.4
99-87-6	4-Isopropyltoluene	134.22	27	U	27	6.6
541-73-1	1,3-Dichlorobenzene	147.00	30	U	30	6.6
106-46-7	1,4-Dichlorobenzene	147.00	30	U	30	6.6
100-44-7	Benzyl chloride	126.58	26	U	26	5.9
104-51-8	n-Butylbenzene	134.22	27	U	27	7.5

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: SL-022-END Lab Sample ID: 200-5005-9
Matrix: Air Lab File ID: bkaj023.d
Analysis Method: TO-15 Date Collected: 04/29/2011 16:43
Sample wt/vol: 36(mL) Date Analyzed: 05/06/2011 05:23
Soil Aliquot Vol: _____ Dilution Factor: 24.9
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	30	U	30	7.2
120-82-1	1,2,4-Trichlorobenzene	181.45	92	U	92	9.2
87-68-3	Hexachlorobutadiene	260.76	53	U	53	17
91-20-3	Naphthalene	128.17	65	U	65	11

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-5005-9
Client Smp ID: SL-022-END
Inj Date : 06-MAY-2011 05:23
Operator : pad Inst ID: B.i
Smp Info : 200-5005-A-9
Misc Info : 36,24.9, all74 cdf4.49
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 9
Dil Factor: 24.90000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	24.90000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	36.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85		3.040	3.040	(0.330)	4162	0.03976	0.99(a)
3 Chlorodifluoromethane	51		3.072	3.072	(0.334)	4231	0.09734	2.4(aQ)
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43		3.483	3.488	(0.379)	3143	0.08307	2.1(aQ)
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101		4.796	4.801	(0.521)	33439	0.19042	4.7(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101		5.794	5.788	(0.630)	96325	0.67695	17
19 1,1-Dichloroethene	96							
20 Acetone	43		6.125	6.045	(0.666)	25524	0.35183	8.8(a)
21 Carbon disulfide	76							

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Isopropanol	45		6.445	6.322	(0.701)		40140	0.68100	17(a)
23 Allyl chloride	41		Compound Not Detected.						
25 Methylene chloride	49		6.808	6.802	(0.740)		3613	0.06102	1.5(aQ)
26 Tert-butyl alcohol	59		Compound Not Detected.						
27 Methyl tert-butyl ether	73		Compound Not Detected.						
28 1,2-Dichloroethene (trans)	61		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 1,1-Dichloroethane	63		Compound Not Detected.						
M 33 1,2-Dichloroethene, Total	61		Compound Not Detected.						
34 1,2-Dichloroethene (cis)	96		Compound Not Detected.						
36 Methyl Ethyl Ketone	72		8.959	8.857	(0.974)		621	0.01883	0.47(aQ)
* 37 Bromochloromethane	128		9.199	9.199	(1.000)		731660	10.0000	
38 Tetrahydrofuran	42		Compound Not Detected.						
39 Chloroform	83		9.279	9.284	(1.009)		18461	0.13195	3.3(a)
40 Cyclohexane	84		Compound Not Detected.						
41 1,1,1-Trichloroethane	97		9.524	9.524	(0.898)		311779	2.00907	50
42 Carbon tetrachloride	117		Compound Not Detected.						
43 2,2,4-Trimethylpentane	57		Compound Not Detected.						
44 Benzene	78		Compound Not Detected.						
45 1,2-Dichloroethane	62		Compound Not Detected.						
46 n-Heptane	43		Compound Not Detected.						
* 47 1,4-Difluorobenzene	114		10.608	10.608	(1.000)		3657500	10.0000	
49 Trichloroethene	95		10.965	10.971	(1.034)		2879503	27.5051	680
50 1,2-Dichloropropane	63		Compound Not Detected.						
51 Methyl methacrylate	69		Compound Not Detected.						
53 1,4-Dioxane	88		Compound Not Detected.						
54 Bromodichloromethane	83		Compound Not Detected.						
55 1,3-Dichloropropene (cis)	75		Compound Not Detected.						
56 Methyl isobutyl ketone	43		Compound Not Detected.						
58 Toluene	92		12.764	12.748	(0.866)		5027	0.02925	0.73(a)
59 1,3-Dichloropropene (trans)	75		Compound Not Detected.						
60 1,1,2-Trichloroethane	83		Compound Not Detected.						
61 Tetrachloroethene	166		13.522	13.516	(0.918)		16351	0.10769	2.7(aQ)
62 2-Hexanone	43		Compound Not Detected.						
63 Dibromochloromethane	129		Compound Not Detected.						
64 1,2-Dibromoethane	107		Compound Not Detected.						
* 65 Chlorobenzene-d5	117		14.733	14.738	(1.000)		3277405	10.0000	
66 Chlorobenzene	112		Compound Not Detected.						
68 Ethylbenzene	91		Compound Not Detected.						
69 Xylene (m,p)	106		Compound Not Detected.						
M 70 Xylenes, Total	106		Compound Not Detected.						
71 Xylene (o)	106		Compound Not Detected.						
72 Styrene	104		Compound Not Detected.						
73 Bromoform	173		Compound Not Detected.						
74 Isopropylbenzene	105		Compound Not Detected.						
75 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
76 n-Propylbenzene	91		Compound Not Detected.						

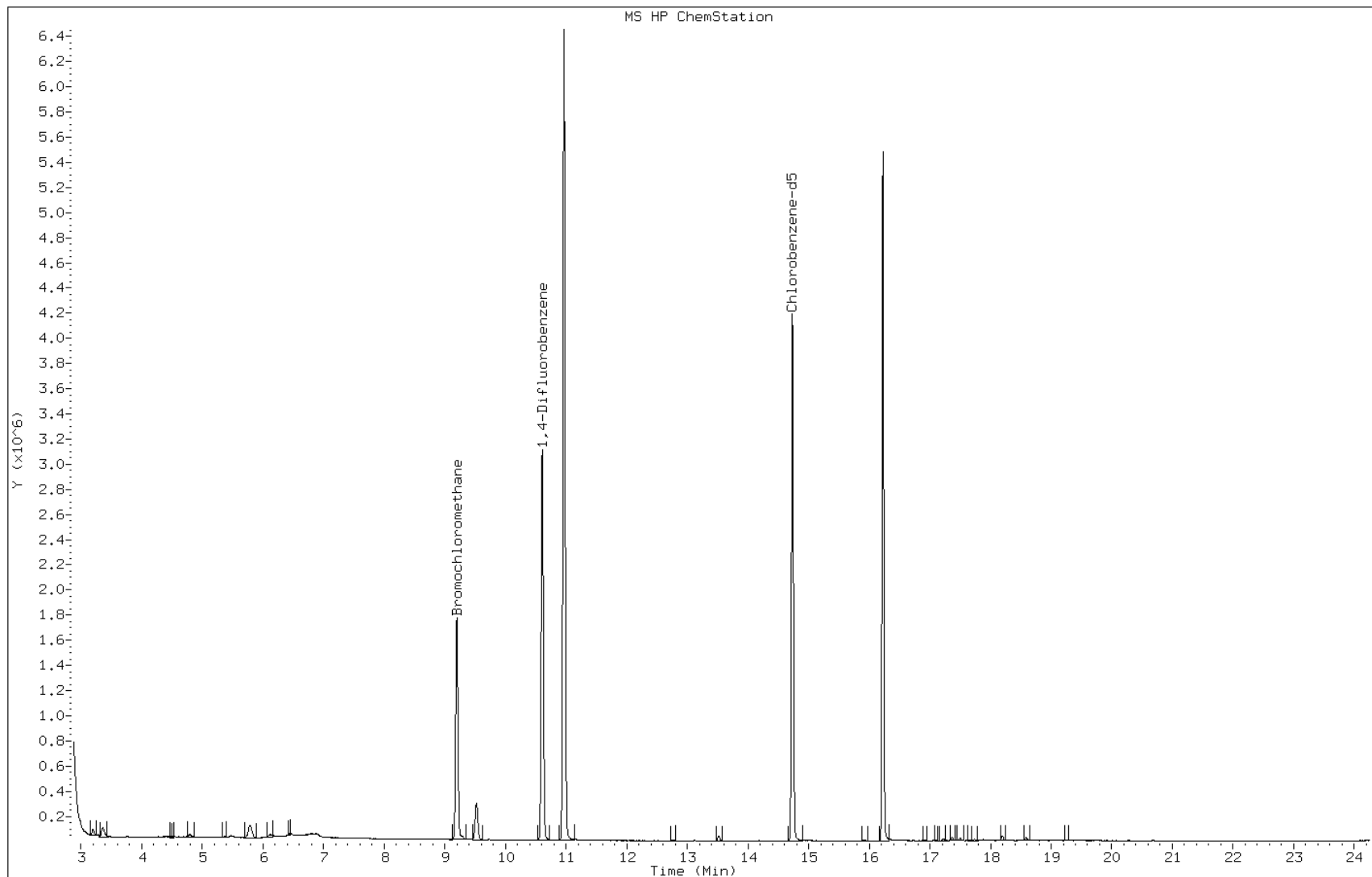
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: bkaj023.d
Client ID: SL-022-END
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-5005-A-9
Lab Sample ID: 200-5005-9

Date: 06-MAY-2011 05:23
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkaj023.d

Lab Sample ID: 200-5005-9

Date: 06-MAY-2011 05:23

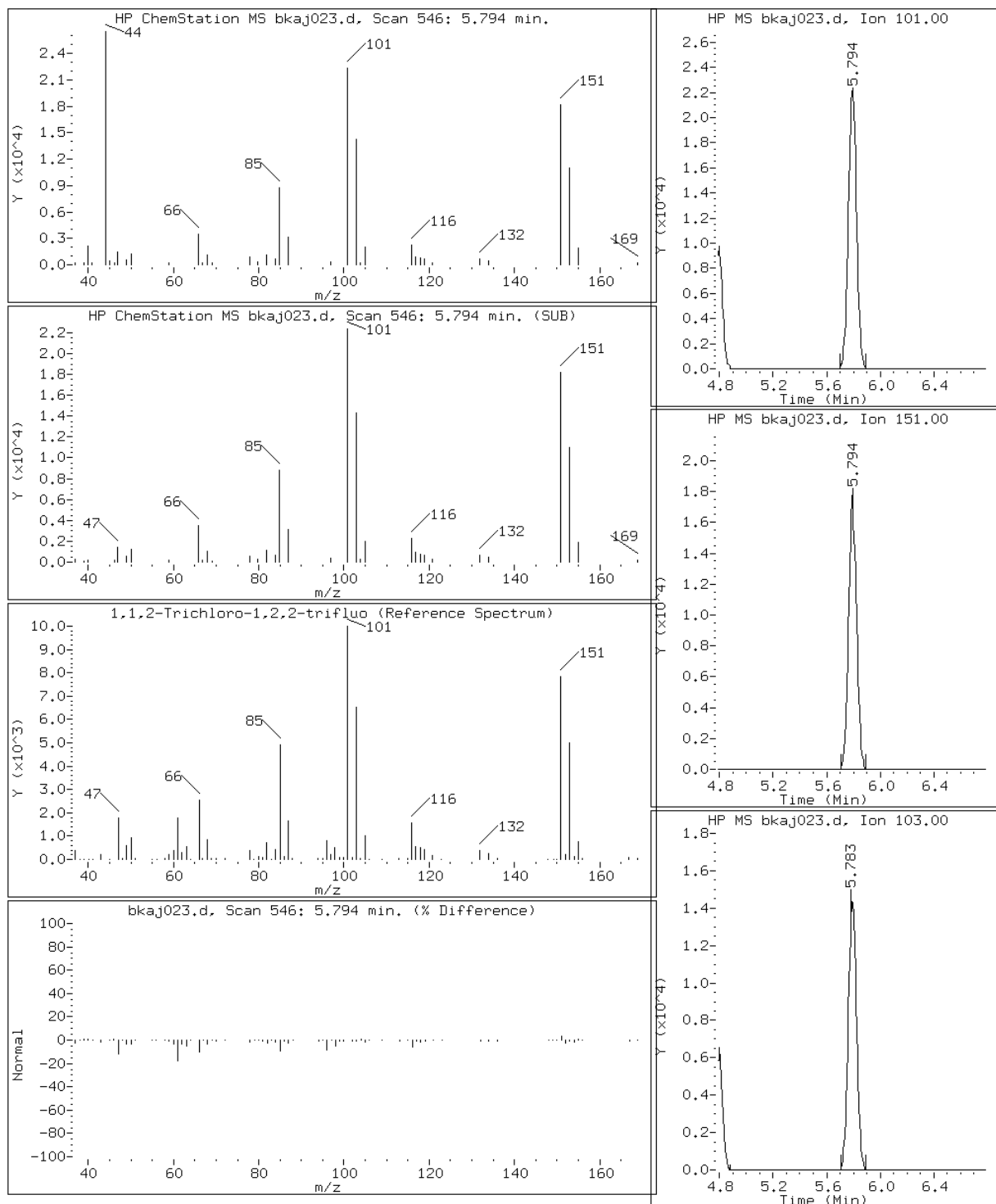
Client ID: SL-022-END

Instrument: B.i

Sample Info: 200-5005-A-9

Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



Data File: bkaj023.d

Lab Sample ID: 200-5005-9

Date: 06-MAY-2011 05:23

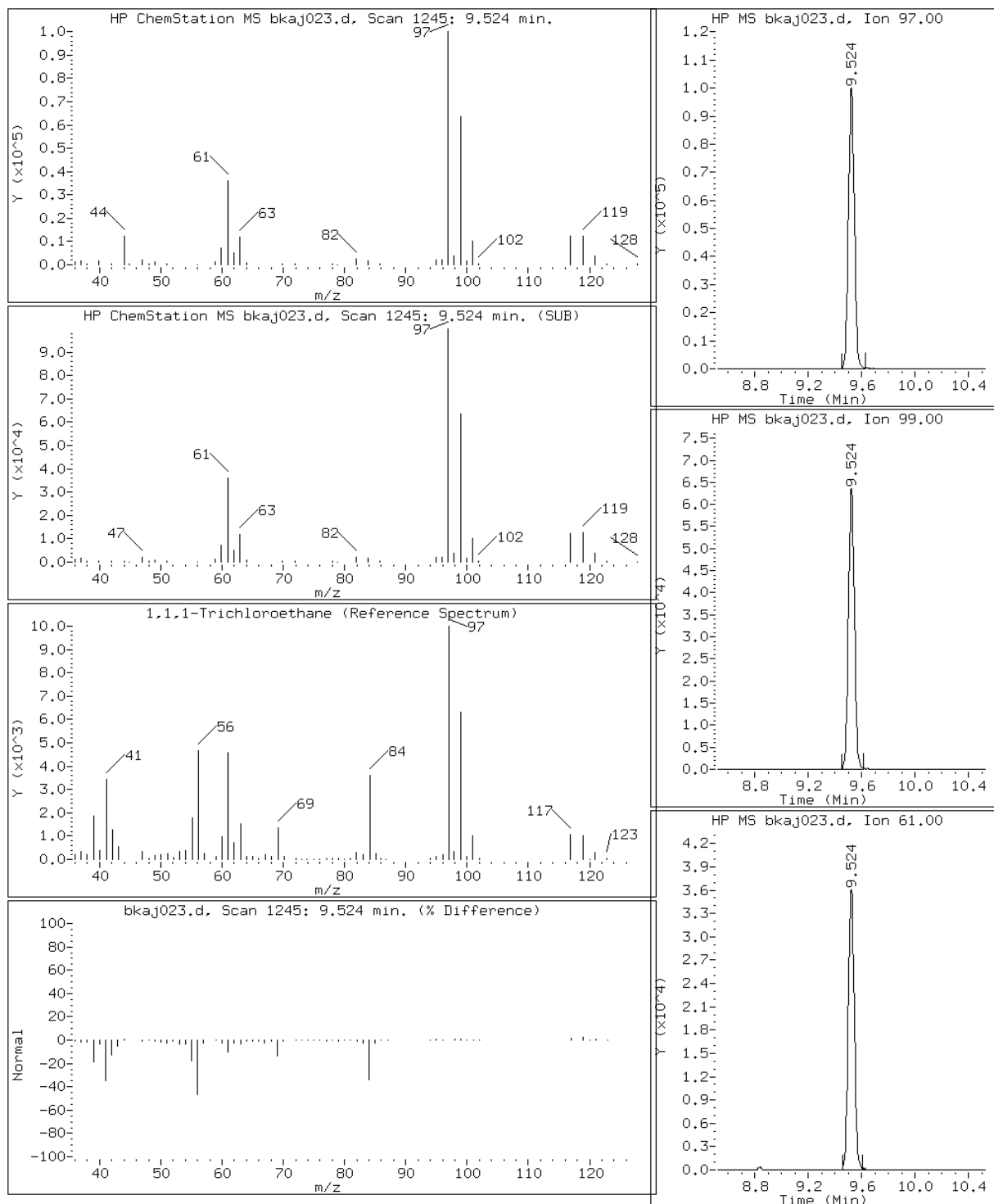
Client ID: SL-022-END

Instrument: B.i

Sample Info: 200-5005-A-9

Operator: pad

41 1,1,1-Trichloroethane



Data File: bkaj023.d

Lab Sample ID: 200-5005-9

Date: 06-MAY-2011 05:23

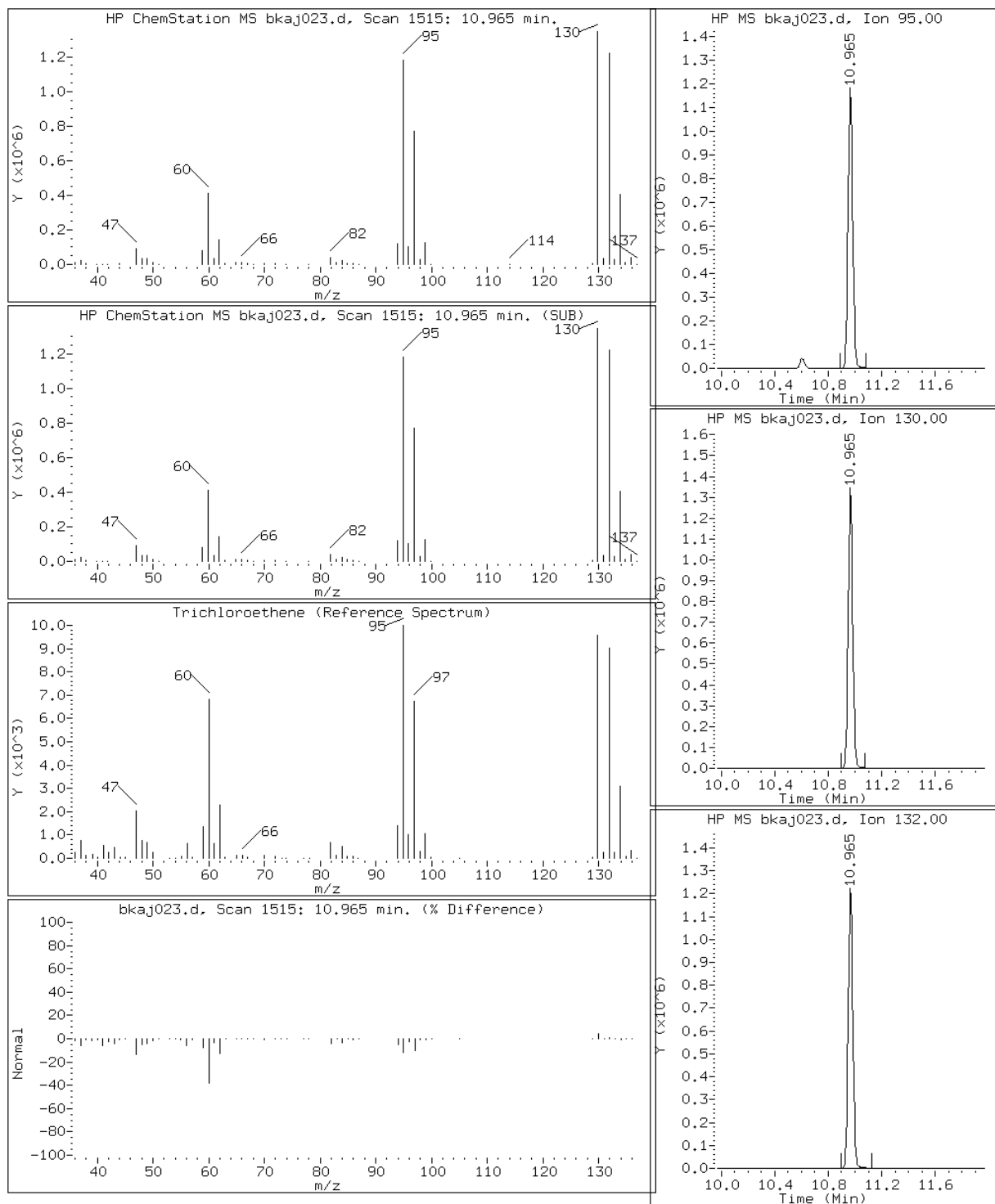
Client ID: SL-022-END

Instrument: B.i

Sample Info: 200-5005-A-9

Operator: pad

49 Trichloroethene



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-16751/14	ic 132521	bka014.d
Level 2	IC 200-16751/4	ic 132517	bka004.d
Level 3	IC 200-16751/5	ic 132507	bka005.d
Level 4	ICIS 200-16751/6	icis 132424	bka006.d
Level 5	IC 200-16751/7	ic 132422	bka007.d
Level 6	IC 200-16751/8	ic 132406	bka008.d
Level 7	IC 200-16751/9	ic 132405	bka009.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.2028	0.2937 0.1918	0.2560	0.2362	0.2182	Ave		0.2331				16.1		30.0			
Dichlorodifluoromethane	++++ 1.2354	1.7566 1.1271	1.6286	1.4822	1.3540	Ave		1.4307				16.7		30.0			
Freon 22	++++ 0.5179	0.7215 0.4875	0.6653	0.6083	0.5640	Ave		0.5941				15.0		30.0			
1,2-Dichlorotetrafluoroethane	1.3844 1.1910	1.7093 1.0742	1.6027	1.4333	1.3107	Ave		1.3865				16.0		30.0			
Chloromethane	++++ 0.2593	0.3709 0.2480	0.3326	0.2995	0.2763	Ave		0.2978				15.7		30.0			
n-Butane	++++ 0.4446	0.6516 0.4194	0.5695	0.5266	0.4911	Ave		0.5171				16.5		30.0			
Vinyl chloride	0.3996 0.3578	0.4927 0.3402	0.4578	0.4218	0.3940	Ave		0.4091				13.1		30.0			
1,3-Butadiene	0.3028 0.2597	0.3441 0.2477	0.3322	0.3077	0.2872	Ave		0.2973				11.9		30.0			
Bromomethane	0.7399 0.6403	0.8777 0.6073	0.8326	0.7633	0.7094	Ave		0.7386				13.1		30.0			
Chloroethane	++++ 0.3079	0.4306 0.2941	0.3975	0.3667	0.3414	Ave		0.3564				14.7		30.0			
Isopentane	0.7890 0.5663	0.8068 0.5316	0.7550	0.6903	0.6343	Ave		0.6819				15.9		30.0			
Bromoethene (Vinyl Bromide)	1.0165 0.8827	1.0923 0.8451	1.0392	1.0017	0.9560	Ave		0.9762				9.0		30.0			
Trichlorofluoromethane	2.4118 2.1426	2.7807 2.0593	2.6263	2.4579	2.3226	Ave		2.4002				10.6		30.0			
n-Pentane	++++ 0.9396	1.3399 0.8785	1.2188	1.1394	1.0527	Ave		1.0948				15.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.2457	0.2981 0.2381	0.2925	0.2783	0.2684	Ave		0.2702				9.0		30.0			
Ethyl ether	0.5889 0.5552	0.6631 0.5335	0.6579	0.6250	0.5949	Ave		0.6026				8.2		30.0			
Acrolein	++++ 0.2946	++++ 0.2756	0.3538	0.3356	0.3181	Ave		0.3155				9.9		30.0			
Freon TF	2.0341 1.7984	2.1477 1.7408	2.0311	1.9688	1.8927	Ave		1.9448				7.4		30.0			
1,1-Dichloroethene	1.0106 0.8696	0.9855 0.8568	0.9592	0.9425	0.9162	Ave		0.9344				6.1		30.0			
Acetone	++++ 0.9113	++++ 0.8936	1.1346	1.0387	0.9795	Ave		0.9915				9.9		30.0			
Carbon disulfide	++++ 2.4104	2.9423 2.3171	2.8142	2.6831	2.5559	Ave		2.6205				9.1		30.0			
Isopropyl alcohol	++++ 0.7517	++++ 0.7826	0.8653	0.8298	0.7986	Ave		0.8056				5.4		30.0			
3-Chloropropene	0.8774 0.7804	1.0135 0.7372	0.9537	0.8797	0.8300	Ave		0.8674				11.0		30.0			
Acetonitrile	++++ 0.4707	++++ 0.4727	0.5866	0.5587	0.5053	Ave		0.5188				10.0		30.0			
Methylene Chloride	++++ 0.7012	1.0244 0.6637	0.8891	0.8184	0.7591	Ave		0.8093				16.4		30.0			
tert-Butyl alcohol	++++ 1.2320	++++ 1.3014	1.3748	1.3402	1.2932	Ave		1.3083				4.1		30.0			
Methyl tert-butyl ether	2.4801 2.3376	2.7316 2.2385	2.6981	2.5855	2.4865	Ave		2.5083				7.2		30.0			
trans-1,2-Dichloroethene	1.2053 1.0793	1.3853 1.0002	1.3461	1.2514	1.1668	Ave		1.2049				11.4		30.0			
Acrylonitrile	++++ 0.5278	0.6482 0.5175	0.6044	0.5926	0.5633	Ave		0.5756				8.6		30.0			
n-Hexane	1.4010 1.1810	1.4954 1.1044	1.4445	1.3597	1.2725	Ave		1.3226				10.8		30.0			
1,1-Dichloroethane	1.5163 1.3718	1.7431 1.2938	1.6612	1.5757	1.4762	Ave		1.5197				10.3		30.0			
Vinyl acetate	++++ 1.6490	++++ 1.5329	2.0364	1.9117	1.8004	Ave		1.7861				11.3		30.0			
cis-1,2-Dichloroethene	1.0802 0.9969	1.1265 0.9435	1.1121	1.0891	1.0475	Ave		1.0565				6.2		30.0			
Methyl Ethyl Ketone	++++ 0.4157	0.5076 0.3863	0.4842	0.4611	0.4495	Ave		0.4507				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.0871	++++ 0.0833	0.0940	0.0938	0.0916	Ave		0.0900				5.1		30.0			
Tetrahydrofuran	++++ 0.1483	++++ 0.1420	0.1828	0.1701	0.1593	Ave		0.1605				10.3		30.0			
Chloroform	1.9073 1.7564	2.1614 1.6870	2.0577	1.9519	1.8639	Ave		1.9122				8.6		30.0			
n-Butanol	++++ 0.0874	++++ 0.0959	0.0881	0.0907	0.0894	Ave		0.0903				3.8		30.0			
1,1,1-Trichloroethane	0.4288 0.4000	0.4523 0.3876	0.4446	0.4351	0.4217	Ave		0.4243				5.5		30.0			
Cyclohexane	0.3031 0.2717	0.3156 0.2536	0.3067	0.3006	0.2895	Ave		0.2915				7.5		30.0			
Carbon tetrachloride	0.4620 0.4533	0.4821 0.4557	0.4796	0.4755	0.4690	Ave		0.4682				2.5		30.0			
1,4-Dioxane	++++ 0.0911	++++ 0.0937	0.0954	0.0932	0.0936	Ave		0.0934				1.6		30.0			
2,2,4-Trimethylpentane	0.8171 0.7517	0.9395 0.6873	0.9165	0.8660	0.8114	Ave		0.8271				10.8		30.0			
Benzene	0.6293 0.5591	0.6821 0.5231	0.6521	0.6236	0.5947	Ave		0.6091				9.0		30.0			
1,2-Dichloroethane	0.2251 0.2172	0.2594 0.2133	0.2567	0.2428	0.2326	Ave		0.2353				7.8		30.0			
n-Heptane	0.2867 0.2451	0.3259 0.2242	0.3090	0.2881	0.2672	Ave		0.2780				12.7		30.0			
Trichloroethene	0.2916 0.2715	0.3029 0.2611	0.2987	0.2944	0.2836	Ave		0.2862				5.3		30.0			
1,2-Dichloropropane	0.1954 0.1871	0.2211 0.1787	0.2191	0.2094	0.2000	Ave		0.2015				7.9		30.0			
Methyl methacrylate	++++ 0.2014	0.2071 0.1970	0.2218	0.2184	0.2134	Ave		0.2099				4.6		30.0			
Dibromomethane	0.2796 0.2704	0.2465 0.2703	0.2527	0.2653	0.2737	Ave		0.2655				4.5		30.0			
Bromodichloromethane	0.4048 0.4121	0.4635 0.3993	0.4619	0.4505	0.4346	Ave		0.4324				6.3		30.0			
cis-1,3-Dichloropropene	0.3070 0.3258	0.3370 0.3174	0.3568	0.3538	0.3435	Ave		0.3345				5.6		30.0			
methyl isobutyl ketone	++++ 0.3174	0.3621 0.2989	0.3847	0.3601	0.3421	Ave		0.3442				9.2		30.0			
Toluene	0.5589 0.4845	0.5929 0.4212	0.5558	0.5418	0.5162	Ave		0.5245				10.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Octane	0.3933 0.3075	0.4622 0.2523	0.4312	0.3851	0.3443	Ave		0.3680				19.7		30.0			
trans-1,3-Dichloropropene	0.3114 0.3361	0.3386 0.3278	0.3710	0.3633	0.3544	Ave		0.3432				6.1		30.0			
1,1,2-Trichloroethane	0.2380 0.2292	0.2554 0.2175	0.2553	0.2483	0.2392	Ave		0.2404				5.8		30.0			
Tetrachloroethene	0.4917 0.4751	0.4289 0.4640	0.4418	0.4637	0.4780	Ave		0.4633				4.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3430	0.3651 0.3256	0.3968	0.3792	0.3654	Ave		0.3625				7.0		30.0			
Dibromochloromethane	0.4952 0.5538	0.5099 0.5391	0.5500	0.5654	0.5670	Ave		0.5400				5.1		30.0			
1,2-Dibromoethane	0.4627 0.4808	0.4883 0.4646	0.5036	0.5013	0.4977	Ave		0.4856				3.5		30.0			
Chlorobenzene	0.8172 0.7612	0.8189 0.7325	0.7988	0.7933	0.7865	Ave		0.7869				3.9		30.0			
Ethylbenzene	1.1603 1.0673	1.2156 0.9887	1.2062	1.1658	1.1249	Ave		1.1327				7.1		30.0			
n-Nonane	0.4455 0.3869	0.5095 0.3330	0.4935	0.4534	0.4217	Ave		0.4348				14.0		30.0			
m,p-Xylene	0.4918 0.4498	0.5035 0.3782	0.5129	0.5030	0.4817	Ave		0.4744				9.9		30.0			
Xylene, o-	0.4708 0.4617	0.4876 0.4169	0.5016	0.4951	0.4853	Ave		0.4741				6.1		30.0			
Styrene	0.6272 0.7300	0.7053 0.6592	0.7853	0.7786	0.7652	Ave		0.7215				8.5		30.0			
Bromoform	0.4465 0.5492	0.4319 0.5080	0.5188	0.5465	0.5595	Ave		0.5086				10.0		30.0			
Cumene	1.3099 1.3049	1.3610 1.1947	1.4100	1.3844	1.3603	Ave		1.3322				5.4		30.0			
1,1,2,2-Tetrachloroethane	0.6003 0.5832	0.6908 0.5200	0.6809	0.6466	0.6215	Ave		0.6205				9.6		30.0			
n-Propylbenzene	1.4831 1.3562	1.6469 1.1017	1.6477	1.5577	1.4664	Ave		1.4657				13.0		30.0			
1,2,3-Trichloropropane	++++ 0.4053	0.5249 0.3342	0.5111	0.4741	0.4408	Ave		0.4484				15.9		30.0			
n-Decane	++++ 0.4702	0.6626 0.3860	0.6235	0.5636	0.5179	Ave		0.5373				18.9		30.0			
4-Ethyltoluene	1.3248 1.3131	1.4231 1.1265	1.4679	1.4299	1.3938	Ave		1.3542				8.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	1.1932 1.0889	1.2954 0.9619	1.2721	1.2067	1.1578	Ave		1.1680				9.8		30.0			
1,3,5-Trimethylbenzene	1.1225 1.0987	1.1820 0.9972	1.2107	1.1830	1.1500	Ave		1.1349				6.3		30.0			
Alpha Methyl Styrene	0.4579 0.6439	0.5412 0.5975	0.6592	0.6613	0.6647	Ave		0.6037				13.0		30.0			
tert-Butylbenzene	1.1407 1.1094	1.1445 1.0067	1.1858	1.1666	1.1555	Ave		1.1299				5.2		30.0			
1,2,4-Trimethylbenzene	1.0712 1.1056	1.1652 1.0015	1.2162	1.1813	1.1605	Ave		1.1288				6.5		30.0			
sec-Butylbenzene	1.6491 1.5670	1.7092 1.3836	1.7605	1.7037	1.6592	Ave		1.6332				7.7		30.0			
4-Isopropyltoluene	1.3632 1.4157	1.4213 1.2512	1.5278	1.4974	1.4860	Ave		1.4232				6.6		30.0			
1,3-Dichlorobenzene	0.7848 0.8581	0.7966 0.7982	0.8441	0.8624	0.8766	Ave		0.8316				4.5		30.0			
1,4-Dichlorobenzene	0.7753 0.8640	0.8138 0.8029	0.8518	0.8672	0.8823	Ave		0.8368				4.7		30.0			
Benzyl chloride	0.7344 0.9714	0.8970 0.9283	1.0406	1.0153	1.0106	Ave		0.9425				11.1		30.0			
n-Undecane	+++++ 0.4509	+++++ 0.3416	0.6688	0.5652	0.5070	Ave		0.5067				24.2		30.0			
n-Butylbenzene	1.0742 1.0247	1.3182 0.7947	1.3213	1.2099	1.1278	Ave		1.1244				16.4		30.0			
1,2-Dichlorobenzene	0.7697 0.8157	0.7673 0.7734	0.8025	0.8098	0.8310	Ave		0.7957				3.2		30.0			
n-Dodecane	+++++ 0.4708	+++++ 0.4104	0.5964	0.4754	0.4900	Ave		0.4886				13.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6389	0.4840 0.6137	0.5966	0.5779	0.6416	Ave		0.5921				9.9		30.0			
Hexachlorobutadiene	0.3997 0.3922	0.3729 0.3463	0.4011	0.3773	0.3958	Ave		0.3836				5.1		30.0			
Naphthalene	+++++ 1.3832	1.0453 1.3936	1.3701	1.2334	1.4208	Ave		1.3077				11.0		30.0			
1,2,3-Trichlorobenzene	0.3199 0.5446	0.4090 0.5401	0.5119	0.4744	0.5414	Ave		0.4773				17.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-16751/14	bka014.d
Level 2	IC 200-16751/4	bka004.d
Level 3	IC 200-16751/5	bka005.d
Level 4	ICIS 200-16751/6	bka006.d
Level 5	IC 200-16751/7	bka007.d
Level 6	IC 200-16751/8	bka008.d
Level 7	IC 200-16751/9	bka009.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 300120	8866 599770	78924	157036	231639	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 1827829	53031 3524372	502030	985236	1437377	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 766295	21780 1524484	205100	404323	598766	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1762200	51603 3358935	494039	952741	1391401	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 383654	11197 775518	102530	199065	293350	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 657804	19672 1311417	175543	350040	521368	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	6189 529337	14875 1063608	141123	280384	418232	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	4689 384173	10388 774512	102416	204529	304903	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	11458 947441	26498 1898835	256646	507343	753036	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 455574	13000 919478	122523	243724	362414	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	12218 837817	24355 1662131	232723	458860	673404	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	15742 1306088	32975 2642602	320336	665831	1014869	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	37349 3170080	83947 6439223	809602	1633753	2465621	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Pentane	BCM	Ave	++++ 1390176	40451 2747007	375708	757371	1117488	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 727156	89979 1860972	180325	277452	379947	++++ 40.0	5.00 100	10.0	15.0	20.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl ether	BCM	Ave	9120 821517	20019 1668086	202790	415462	631491	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 435833	++++ 861731	109057	223067	337707	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	31501 2660922	64836 5443061	626099	1308658	2009307	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	15651 1286652	29752 2679149	295670	626482	972662	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 1348308	++++ 2794058	349748	690460	1039866	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 3566337	88826 7245165	867508	1783437	2713282	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 1112244	++++ 2446977	266746	551572	847756	++++ 20.0	++++ 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	13588 1154713	30597 2304959	293997	584735	881080	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetonitrile	BCM	Ave	++++ 696363	++++ 1477909	180830	371388	536407	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 1037427	30924 2075277	274088	543966	805880	++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 1822781	++++ 4069174	423784	890814	1372891	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	38407 3458603	82465 6999335	831713	1718621	2639589	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	18666 1596852	41820 3127358	414936	831789	1238608	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 780949	19567 1618249	186303	393900	598039	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	21696 1747428	45144 3453171	445282	903827	1350889	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	23482 2029629	52623 4045389	512072	1047397	1567056	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 2439891	++++ 4793064	627758	1270715	1911252	++++ 20.0	++++ 40.0	5.00	10.0	15.0
cis-1,2-Dichloroethene	BCM	Ave	16728 1474917	34007 2950200	342810	723958	1112041	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 615079	15323 1207999	149245	306515	477196	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 128917	++++ 260476	28972	62334	97227	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 1047298	++++ 2084669	277844	549976	813871	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	BCM	Ave	29536 2598681	65251 5274929	634308	1297438	1978722	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 616899	++++ 1408829	133880	293274	456578	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	32159 2824174	67731 5691823	675728	1406951	2154019	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	22729 1918754	47258 3724291	466042	972088	1478653	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	34647 3200971	72192 6692210	728934	1537837	2395919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 643239	++++ 1375223	144977	301353	478246	++++ 20.0	++++ 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	61280 5307613	140690 10092869	1392904	2800540	4144876	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	47198 3947918	102143 7680963	991001	2016732	3037856	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	16884 1533949	38845 3132783	390176	785354	1188146	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	21502 1730671	48804 3292791	469663	931596	1364777	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	21871 1916872	45357 3833558	453917	951917	1448406	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	14653 1320810	33112 2623803	332990	677216	1021765	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 1421973	31018 2893198	337036	706275	1090133	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	20967 1909592	36909 3969697	383976	857899	1398287	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	30360 2909545	69409 5862932	701999	1456744	2220179	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	23023 2300228	50459 4661270	542290	1144207	1754409	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 2241078	54223 4388870	584654	1164686	1747319	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	38095 3127459	81394 5654440	781089	1616891	2427829	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	29494 2171293	69209 3705391	655365	1245389	1758731	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	23351 2373295	50697 4813372	563840	1174900	1810182	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	16226 1479875	35063 2919548	358827	740832	1124926	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	33514 3066934	58874 6228827	620880	1383728	2248125	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 2214121	50122 4371736	557625	1131495	1718705	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	33753 3574952	69997 7237509	772883	1687154	2666927	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	31541 3103635	67025 6238068	707667	1495820	2340956	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	55704 4913972	112419 9833865	1122647	2367246	3699222	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	79091 6889927	166877 13273535	1695154	3478843	5291212	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	30365 2497679	69938 4470311	693477	1352992	1983573	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	67047 5806766	138228 10154496	1441619	3001987	4531499	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	32092 2980773	66933 5596888	704868	1477471	2282895	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	42751 4712279	96820 8850176	1103670	2323410	3599092	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	30436 3545428	59289 6819478	729089	1630994	2631689	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	89288 8423912	186832 16038905	1981597	4131269	6398313	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	40919 3764719	94824 6981701	956857	1929623	2923189	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	101095 8754898	226073 14790847	2315600	4648395	6897586	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 2616172	72057 4487423	718234	1414747	2073399	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	++++ 3035655	90964 5182772	876257	1681924	2436164	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	90304 8477020	195353 15123545	2062836	4267098	6556164	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	81335 7029702	177820 12913657	1787802	3601023	5446135	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	76515 7092974	162251 13388540	1701394	3530271	5409454	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Alpha Methyl Styrene	CBZ	Ave	31216 4156543	74294 8021611	926397	1973580	3126546	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	77758 7161981	157104 13516071	1666522	3481398	5434934	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-5005-1 Analy Batch No.: 16751

SDG No.: 200-5005

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2011 13:05 Calibration End Date: 04/20/2011 08:43 Calibration ID: 6017

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	73017 7137272	159945 13446021	1709235	3525067	5458639	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	112414 10115821	234623 18575724	2474045	5084068	7804179	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	92926 9138941	195107 16797947	2147098	4468517	6989529	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	53498 5539311	109357 10716451	1186297	2573541	4123237	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	52849 5577771	111716 10779777	1197028	2587919	4150197	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	50062 6271146	123133 12462482	1462331	3029817	4753657	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 2911051	++++ 4585532	939939	1686620	2384569	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	73222 6615177	180956 10669300	1856882	3610451	5304843	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	52468 5266072	105334 10383099	1127843	2416697	3908806	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	++++ 3039375	++++ 5509471	838092	1418552	2304964	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 4124576	66434 8238766	838392	1724492	3017684	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	27243 2531888	51195 4648758	563694	1125968	1861681	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 8929532	143494 18709280	1925403	3680670	6683018	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	21804 3515989	56142 7250992	719385	1415603	2546768	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka004.d
Lab Smp Id: ic 132517 Client Smp ID: ic 132517
Inj Date : 19-APR-2011 13:57
Operator : wrd Inst ID: B.i
Smp Info : ic 132517
Misc Info : 200,1, level2
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 13:57 Cal File: bka004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	53031	0.50000	0.61	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	21780	0.50000	0.61	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	51603	0.50000	0.62	
5 Chloromethane	50	3.339	3.339	(0.363)	11197	0.50000	0.62	
6 Butane	43	3.483	3.488	(0.379)	19672	0.50000	0.63	
7 Vinyl chloride	62	3.515	3.520	(0.382)	14875	0.50000	0.60	
8 1,3-Butadiene	54	3.573	3.574	(0.388)	10388	0.50000	0.58	
9 Bromomethane	94	4.128	4.129	(0.449)	26498	0.50000	0.59	
10 Chloroethane	64	4.326	4.326	(0.470)	13000	0.50000	0.60	
11 2-Methylbutane	43	4.395	4.401	(0.478)	24355	0.50000	0.59	
12 Vinyl bromide	106	4.705	4.705	(0.511)	32975	0.50000	0.56	
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	83947	0.50000	0.58	
14 Pentane	43	4.924	4.924	(0.535)	40451	0.50000	0.61	
15 Ethanol	45	5.329	5.308	(0.579)	89979	5.00000	5.5	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
16 Ethyl ether	59	5.452	5.415	(0.593)	20019	0.50000	0.55
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	64836	0.50000	0.55
19 1,1-Dichloroethene	96	5.858	5.852	(0.637)	29752	0.50000	0.53
21 Carbon disulfide	76	6.263	6.269	(0.681)	88826	0.50000	0.56
23 Allyl chloride	41	6.546	6.541	(0.712)	30597	0.50000	0.58
25 Methylene chloride	49	6.797	6.802	(0.739)	30924	0.50000	0.63
27 Methyl tert-butyl ether	73	7.235	7.187	(0.786)	82465	0.50000	0.54
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	41820	0.50000	0.57
29 Acrylonitrile	53	7.304	7.288	(0.794)	19567	0.50000	0.56
30 n-Hexane	57	7.523	7.528	(0.818)	45144	0.50000	0.57
31 1,1-Dichloroethane	63	7.928	7.934	(0.862)	52623	0.50000	0.57
M 33 1,2-Dichloroethene,Total	61				75827	1.00000	1.1
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	34007	0.50000	0.53
36 Methyl Ethyl Ketone	72	8.889	8.857	(0.966)	15323	0.50000	0.56(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	603778	10.0000	
39 Chloroform	83	9.279	9.284	(1.009)	65251	0.50000	0.57
40 Cyclohexane	84	9.535	9.535	(0.899)	47258	0.50000	0.54
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	67731	0.50000	0.53
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	72192	0.50000	0.51
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	140690	0.50000	0.57
44 Benzene	78	10.052	10.053	(0.948)	102143	0.50000	0.56
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	38845	0.50000	0.55
46 n-Heptane	43	10.277	10.282	(0.969)	48804	0.50000	0.59
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)	2994935	10.0000	
49 Trichloroethene	95	10.970	10.971	(1.034)	45357	0.50000	0.53
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	33112	0.50000	0.55
51 Methyl methacrylate	69	11.424	11.408	(1.077)	31018	0.50000	0.49(a)
52 Dibromomethane	174	11.520	11.520	(1.086)	36909	0.50000	0.46
54 Bromodichloromethane	83	11.702	11.702	(1.103)	69409	0.50000	0.54
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.163)	50459	0.50000	0.50
56 Methyl isobutyl ketone	43	12.566	12.518	(1.185)	54223	0.50000	0.53
57 n-Octane	43	12.758	12.758	(1.203)	69209	0.50000	0.63
58 Toluene	92	12.753	12.748	(0.865)	81394	0.50000	0.57
59 1,3-Dichloropropene (trans)	75	13.132	13.121	(1.238)	50697	0.50000	0.49
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	35063	0.50000	0.53
61 Tetrachloroethene	166	13.516	13.516	(0.917)	58874	0.50000	0.46
62 2-Hexanone	43	13.746	13.698	(0.933)	50122	0.50000	0.50
63 Dibromochloromethane	129	13.948	13.943	(0.946)	69997	0.50000	0.47
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	67025	0.50000	0.50
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2745478	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	112419	0.50000	0.52(M)
67 n-Nonane	57	14.898	14.899	(1.011)	69938	0.50000	0.59
68 Ethylbenzene	91	14.856	14.856	(1.008)	166877	0.50000	0.54
69 Xylene (m,p)	106	15.010	15.011	(1.018)	138228	1.00000	1.1
M 70 Xylenes, Total	106				205161	0.50000	1.6
71 Xylene (o)	106	15.539	15.539	(1.054)	66933	0.50000	0.51
72 Styrene	104	15.571	15.566	(1.056)	96820	0.50000	0.49

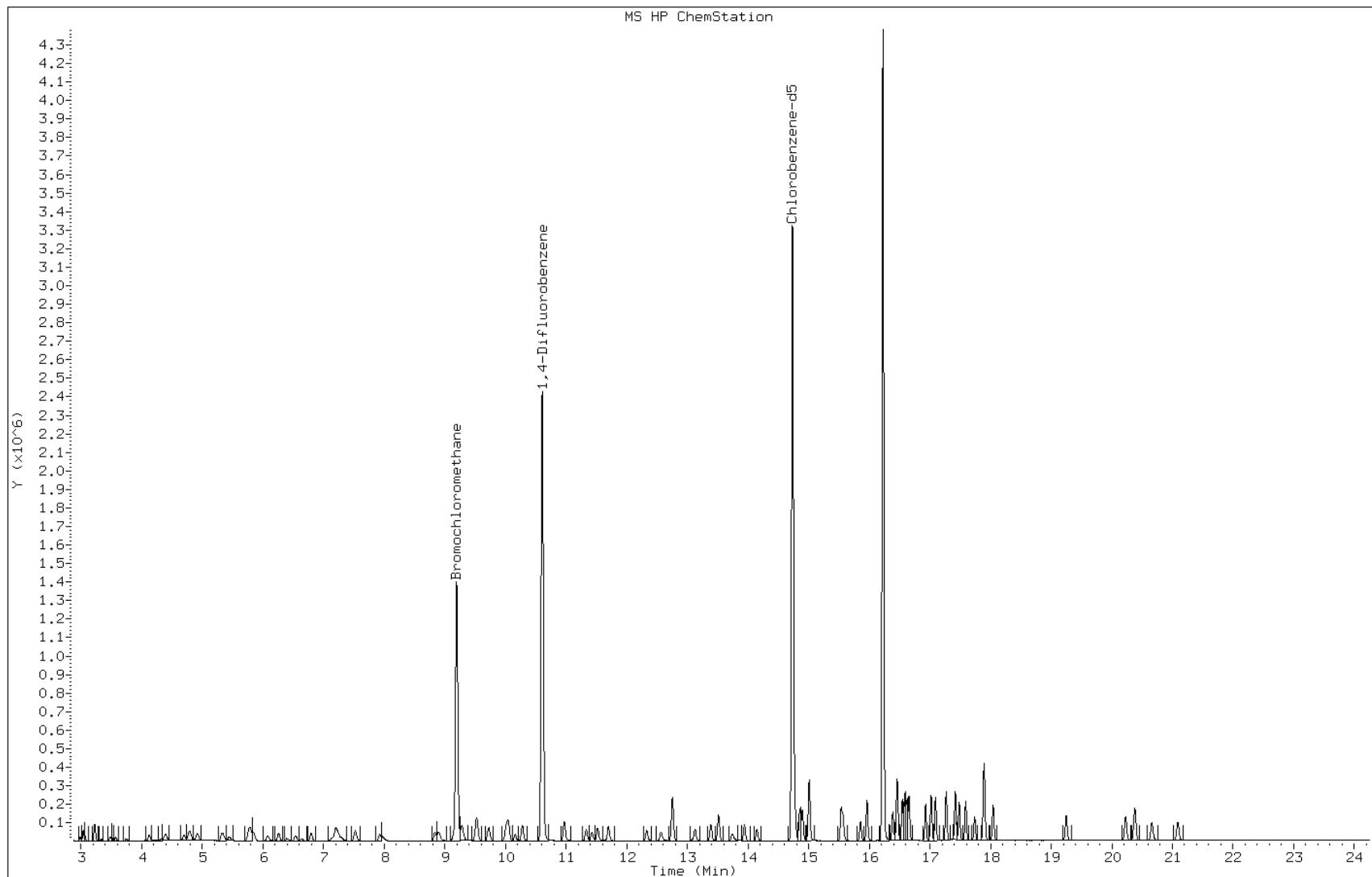
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
73 Bromoform	173	15.859	15.859	(1.076)	59289	0.50000	0.42
74 Isopropylbenzene	105	15.966	15.966	(1.083)	186832	0.50000	0.51
75 1,1,2,2-Tetrachloroethane	83	16.387	16.393	(1.112)	94824	0.50000	0.56
76 n-Propylbenzene	91	16.457	16.457	(1.117)	226073	0.50000	0.56
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	72057	0.50000	0.59
78 n-Decane	57	16.547	16.548	(1.123)	90964	0.50000	0.62
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	195353	0.50000	0.53
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	177820	0.50000	0.55
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	162251	0.50000	0.52
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	74294	0.50000	0.45
83 tert-butylbenzene	119	17.022	17.023	(1.155)	157104	0.50000	0.51
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	159945	0.50000	0.52
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	234623	0.50000	0.52
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	195107	0.50000	0.50
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	109357	0.50000	0.48
88 1,4-Dichlorobenzene	146	17.593	17.594	(1.194)	111716	0.50000	0.49
89 Benzyl chloride	91	17.743	17.738	(1.204)	123133	0.50000	0.48
91 n-Butylbenzene	91	17.903	17.903	(1.215)	180956	0.50000	0.59
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	105334	0.50000	0.48
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	66434	0.50000	0.41(a)
95 1,3-Hexachlorobutadiene	225	20.385	20.380	(1.383)	51195	0.50000	0.49
96 Naphthalene	128	20.657	20.652	(1.402)	143494	0.50000	0.40(a)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.431)	56142	0.50000	0.43

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka004.d
Client ID: ic 132517
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132517
Lab Sample ID: ic 132517

Date: 19-APR-2011 13:57
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



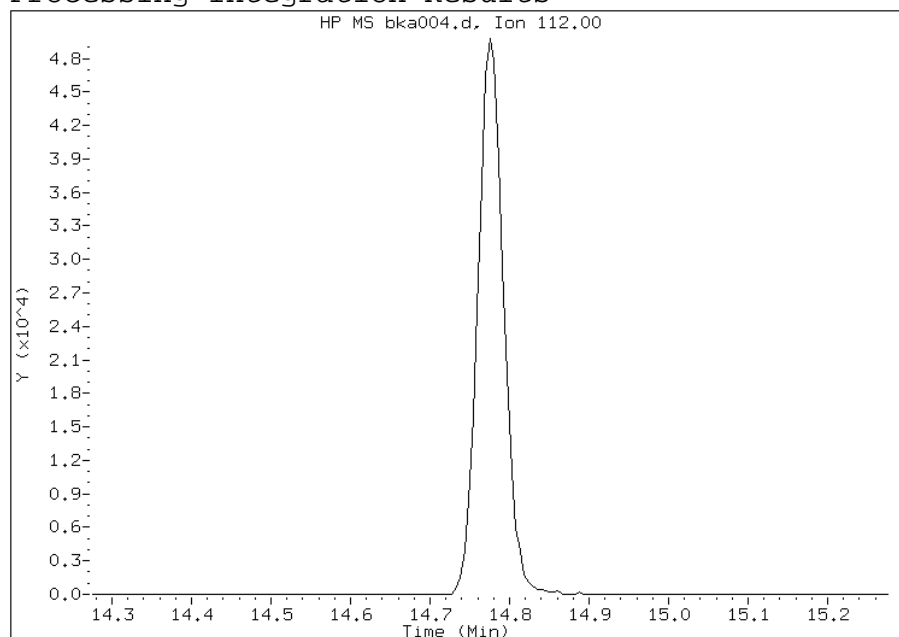
Manual Integration Report

Data File: bka004.d
Lab Sample ID: ic 132517
Inj. Date and Time: 19-APR-2011 13:57
Instrument ID: B.i
Client ID: ic 132517
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 04/20/2011

Processing Integration Results

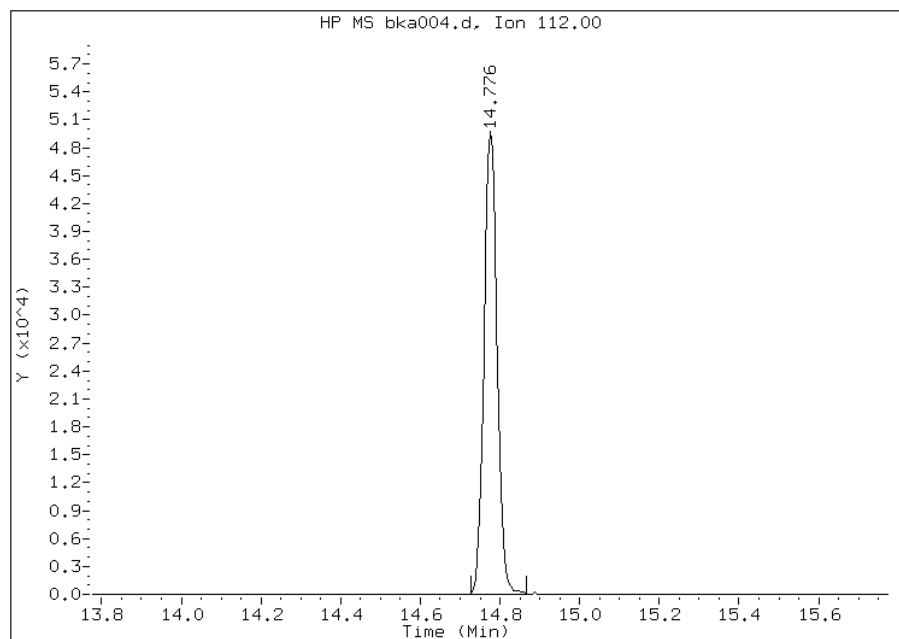
Not Detected

Expected RT: 14.78



Manual Integration Results

RT: 14.78
Response: 112419
Amount: 0.520351
Conc: 0.520351



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka005.d
Lab Smp Id: ic 132507 Client Smp ID: ic 132507
Inj Date : 19-APR-2011 14:50
Operator : wrd Inst ID: B.i
Smp Info : ic 132507
Misc Info : 200,1, level3
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 14:50 Cal File: bka005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.986	2.992	(0.325)	78924	5.00000	5.5
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	502030	5.00000	5.7
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	205100	5.00000	5.6
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	494039	5.00000	5.8
5 Chloromethane	50	3.339	3.339	(0.363)	102530	5.00000	5.6
6 Butane	43	3.483	3.488	(0.379)	175543	5.00000	5.5
7 Vinyl chloride	62	3.515	3.520	(0.382)	141123	5.00000	5.6
8 1,3-Butadiene	54	3.568	3.574	(0.388)	102416	5.00000	5.6
9 Bromomethane	94	4.128	4.129	(0.449)	256646	5.00000	5.6
10 Chloroethane	64	4.326	4.326	(0.470)	122523	5.00000	5.6
11 2-Methylbutane	43	4.395	4.401	(0.478)	232723	5.00000	5.5
12 Vinyl bromide	106	4.700	4.705	(0.511)	320336	5.00000	5.3
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	809602	5.00000	5.5
14 Pentane	43	4.924	4.924	(0.535)	375708	5.00000	5.6

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	180325	10.0000	11
16 Ethyl ether	59	5.420	5.415	(0.589)	202790	5.00000	5.5
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	626099	5.00000	5.2
18 Acrolein	56	5.762	5.756	(0.626)	109057	5.00000	5.6
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	295670	5.00000	5.1
20 Acetone	43	6.050	6.045	(0.658)	349748	5.00000	5.7
21 Carbon disulfide	76	6.263	6.269	(0.681)	867508	5.00000	5.4
22 Isopropanol	45	6.338	6.322	(0.689)	266746	5.00000	5.4
23 Allyl chloride	41	6.541	6.541	(0.711)	293997	5.00000	5.5
24 Acetonitrile	41	6.626	6.626	(0.720)	180830	5.00000	5.7
25 Methylene chloride	49	6.797	6.802	(0.739)	274088	5.00000	5.5
26 Tert-butyl alcohol	59	7.048	7.037	(0.766)	423784	5.00000	5.3
27 Methyl tert-butyl ether	73	7.192	7.187	(0.782)	831713	5.00000	5.4
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	414936	5.00000	5.6
29 Acrylonitrile	53	7.288	7.288	(0.792)	186303	5.00000	5.2
30 n-Hexane	57	7.528	7.528	(0.818)	445282	5.00000	5.5
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	512072	5.00000	5.5
32 Vinyl acetate	43	7.966	7.966	(0.866)	627758	5.00000	5.7
M 33 1,2-Dichloroethene,Total	61				757746	10.0000	11
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	342810	5.00000	5.3
35 Ethyl acetate	88	8.878	8.878	(0.965)	28972	5.00000	5.2
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	149245	5.00000	5.4
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	616523	10.0000	
38 Tetrahydrofuran	42	9.257	9.252	(0.873)	277844	5.00000	5.7
39 Chloroform	83	9.279	9.284	(1.009)	634308	5.00000	5.4
40 Cyclohexane	84	9.529	9.535	(0.898)	466042	5.00000	5.3
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	675728	5.00000	5.2
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	728934	5.00000	5.1
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	1392904	5.00000	5.5
44 Benzene	78	10.052	10.053	(0.948)	991001	5.00000	5.4
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	390176	5.00000	5.5
46 n-Heptane	43	10.277	10.282	(0.969)	469663	5.00000	5.6
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)	3039539	10.0000	
48 n-Butanol	56	10.917	10.906	(1.029)	133880	5.00000	4.9(a)
49 Trichloroethene	95	10.970	10.971	(1.034)	453917	5.00000	5.2
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	332990	5.00000	5.4
51 Methyl methacrylate	69	11.413	11.408	(1.076)	337036	5.00000	5.3
52 Dibromomethane	174	11.520	11.520	(1.086)	383976	5.00000	4.8
53 1,4-Dioxane	88	11.541	11.520	(1.088)	144977	5.00000	5.1
54 Bromodichloromethane	83	11.696	11.702	(1.103)	701999	5.00000	5.3
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	542290	5.00000	5.3
56 Methyl isobutyl ketone	43	12.523	12.518	(1.181)	584654	5.00000	5.6
57 n-Octane	43	12.753	12.758	(1.202)	655365	5.00000	5.9
58 Toluene	92	12.748	12.748	(0.865)	781089	5.00000	5.3
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	563840	5.00000	5.4
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	358827	5.00000	5.3
61 Tetrachloroethene	166	13.516	13.516	(0.917)	620880	5.00000	4.8

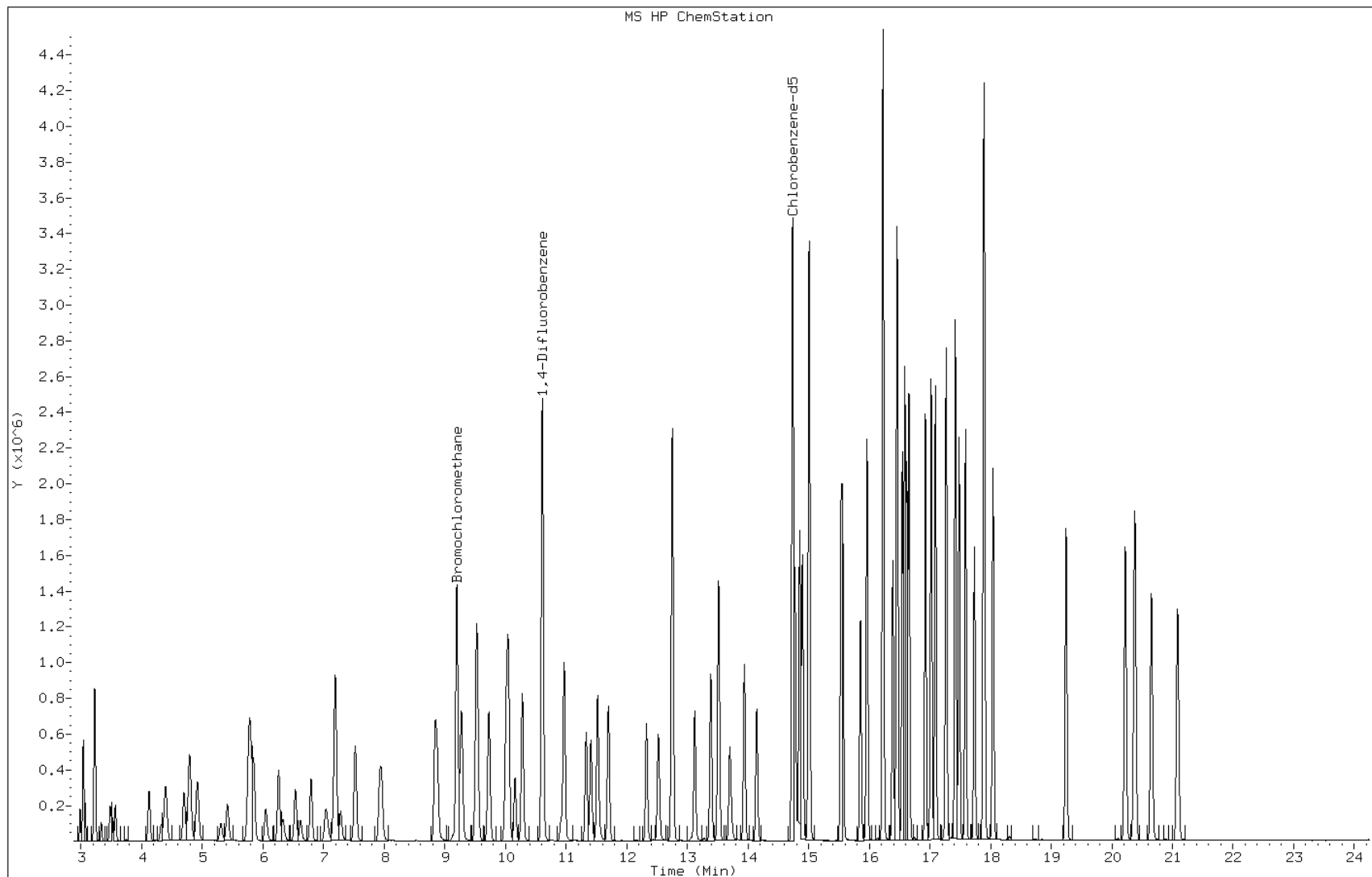
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.703	13.698	(0.930)	557625	5.00000	5.5
63 Dibromochloromethane	129	13.943	13.943	(0.946)	772883	5.00000	5.1
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	707667	5.00000	5.2
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2810687	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	1122647	5.00000	5.1
67 n-Nonane	57	14.898	14.899	(1.011)	693477	5.00000	5.7
68 Ethylbenzene	91	14.856	14.856	(1.008)	1695154	5.00000	5.3
69 Xylene (m,p)	106	15.010	15.011	(1.018)	1441619	10.0000	11
M 70 Xylenes, Total	106				2146487	5.00000	16
71 Xylene (o)	106	15.539	15.539	(1.054)	704868	5.00000	5.3
72 Styrene	104	15.565	15.566	(1.056)	1103670	5.00000	5.4
73 Bromoform	173	15.859	15.859	(1.076)	729089	5.00000	5.1
74 Isopropylbenzene	105	15.966	15.966	(1.083)	1981597	5.00000	5.3
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	956857	5.00000	5.5
76 n-Propylbenzene	91	16.457	16.457	(1.117)	2315600	5.00000	5.6
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	718234	5.00000	5.7
78 n-Decane	57	16.547	16.548	(1.123)	876257	5.00000	5.8
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	2062836	5.00000	5.4
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	1787802	5.00000	5.4
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	1701394	5.00000	5.3
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	926397	5.00000	5.5
83 tert-butylbenzene	119	17.022	17.023	(1.155)	1666522	5.00000	5.2
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	1709235	5.00000	5.4
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	2474045	5.00000	5.4
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	2147098	5.00000	5.4
87 1,3-Dichlorobenzene	146	17.481	17.487	(1.186)	1186297	5.00000	5.1
88 1,4-Dichlorobenzene	146	17.593	17.594	(1.194)	1197028	5.00000	5.1
89 Benzyl chloride	91	17.738	17.738	(1.204)	1462331	5.00000	5.5
90 Undecane	57	17.887	17.887	(1.214)	939939	5.00000	6.6
91 n-Butylbenzene	91	17.903	17.903	(1.215)	1856882	5.00000	5.9
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	1127843	5.00000	5.0
93 Dodecane	57	19.243	19.243	(1.306)	838092	5.00000	6.1
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	838392	5.00000	5.0
95 1,3-Hexachlorobutadiene	225	20.379	20.380	(1.383)	563694	5.00000	5.2
96 Naphthalene	128	20.652	20.652	(1.401)	1925403	5.00000	5.2
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	719385	5.00000	5.4

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bka005.d
Client ID: ic 132507
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132507
Lab Sample ID: ic 132507

Date: 19-APR-2011 14:50
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka006.d
Lab Smp Id: icis 132424 Client Smp ID: icis 132424
Inj Date : 19-APR-2011 15:42
Operator : wrd Inst ID: B.i
Smp Info : icis 132424
Misc Info : 200,1, level4
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:07 pd Quant Type: ISTD
Cal Date : 19-APR-2011 15:42 Cal File: bka006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	157036	10.0000	10	
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	985236	10.0000	10	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	404323	10.0000	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	952741	10.0000	10	
5 Chloromethane	50	3.339	3.339	(0.363)	199065	10.0000	10	
6 Butane	43	3.488	3.488	(0.379)	350040	10.0000	10	
7 Vinyl chloride	62	3.520	3.520	(0.383)	280384	10.0000	10	
8 1,3-Butadiene	54	3.574	3.574	(0.388)	204529	10.0000	10	
9 Bromomethane	94	4.129	4.129	(0.449)	507343	10.0000	10	
10 Chloroethane	64	4.326	4.326	(0.470)	243724	10.0000	10	
11 2-Methylbutane	43	4.401	4.401	(0.478)	458860	10.0000	10	
12 Vinyl bromide	106	4.705	4.705	(0.511)	665831	10.0000	10	
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	1633753	10.0000	10	
14 Pentane	43	4.924	4.924	(0.535)	757371	10.0000	10	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	277452	15.0000	15
16 Ethyl ether	59	5.415	5.415	(0.589)	415462	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	1308658	10.0000	10
18 Acrolein	56	5.756	5.756	(0.626)	223067	10.0000	11
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	626482	10.0000	10
20 Acetone	43	6.045	6.045	(0.657)	690460	10.0000	10
21 Carbon disulfide	76	6.269	6.269	(0.681)	1783437	10.0000	10
22 Isopropanol	45	6.322	6.322	(0.687)	551572	10.0000	10
23 Allyl chloride	41	6.541	6.541	(0.711)	584735	10.0000	10
24 Acetonitrile	41	6.626	6.626	(0.720)	371388	10.0000	11
25 Methylene chloride	49	6.802	6.802	(0.739)	543966	10.0000	10
26 Tert-butyl alcohol	59	7.037	7.037	(0.765)	890814	10.0000	10
27 Methyl tert-butyl ether	73	7.187	7.187	(0.781)	1718621	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	831789	10.0000	10
29 Acrylonitrile	53	7.288	7.288	(0.792)	393900	10.0000	10
30 n-Hexane	57	7.528	7.528	(0.818)	903827	10.0000	10
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1047397	10.0000	10
32 Vinyl acetate	43	7.966	7.966	(0.866)	1270715	10.0000	11
M 33 1,2-Dichloroethene,Total	61				1555747	20.0000	21
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	723958	10.0000	10
35 Ethyl acetate	88	8.878	8.878	(0.965)	62334	10.0000	10
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	306515	10.0000	10
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	664703	10.0000	
38 Tetrahydrofuran	42	9.252	9.252	(0.872)	549976	10.0000	11
39 Chloroform	83	9.284	9.284	(1.009)	1297438	10.0000	10
40 Cyclohexane	84	9.535	9.535	(0.899)	972088	10.0000	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	1406951	10.0000	10
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1537837	10.0000	10
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.945)	2800540	10.0000	10
44 Benzene	78	10.053	10.053	(0.948)	2016732	10.0000	10
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	785354	10.0000	10
46 n-Heptane	43	10.282	10.282	(0.969)	931596	10.0000	10
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3233933	10.0000	
48 n-Butanol	56	10.906	10.906	(1.028)	293274	10.0000	10
49 Trichloroethene	95	10.971	10.971	(1.034)	951917	10.0000	10
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	677216	10.0000	10
51 Methyl methacrylate	69	11.408	11.408	(1.075)	706275	10.0000	10
52 Dibromomethane	174	11.520	11.520	(1.086)	857899	10.0000	10
53 1,4-Dioxane	88	11.520	11.520	(1.086)	301353	10.0000	10
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1456744	10.0000	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1144207	10.0000	11
56 Methyl isobutyl ketone	43	12.518	12.518	(1.180)	1164686	10.0000	10
57 n-Octane	43	12.758	12.758	(1.203)	1245389	10.0000	10
58 Toluene	92	12.748	12.748	(0.865)	1616891	10.0000	10
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1174900	10.0000	11
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	740832	10.0000	10
61 Tetrachloroethene	166	13.516	13.516	(0.917)	1383728	10.0000	10

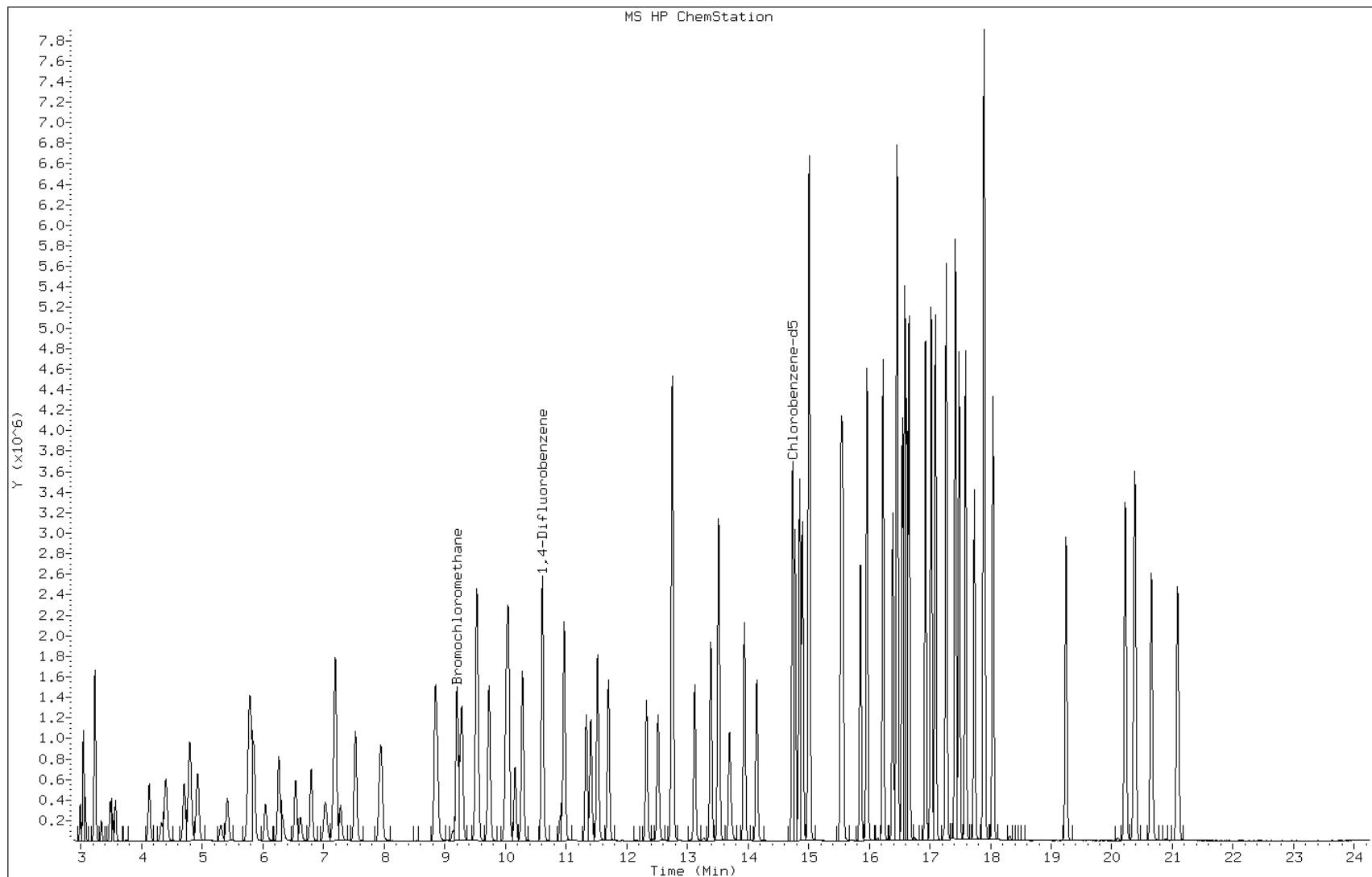
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.698	13.698	(0.929)	1131495	10.0000	10
63 Dibromochloromethane	129	13.943	13.943	(0.946)	1687154	10.0000	10
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1495820	10.0000	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	2984175	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	2367246	10.0000	10
67 n-Nonane	57	14.899	14.899	(1.011)	1352992	10.0000	10
68 Ethylbenzene	91	14.856	14.856	(1.008)	3478843	10.0000	10
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3001987	20.0000	21
M 70 Xylenes, Total	106				4479458	10.0000	32
71 Xylene (o)	106	15.539	15.539	(1.054)	1477471	10.0000	10
72 Styrene	104	15.566	15.566	(1.056)	2323410	10.0000	11
73 Bromoform	173	15.859	15.859	(1.076)	1630994	10.0000	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	4131269	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	1929623	10.0000	10
76 n-Propylbenzene	91	16.457	16.457	(1.117)	4648395	10.0000	11
77 1,2,3-Trichloropropane	75	16.468	16.468	(1.117)	1414747	10.0000	11
78 n-Decane	57	16.548	16.548	(1.123)	1681924	10.0000	10
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	4267098	10.0000	11
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	3601023	10.0000	10(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	3530271	10.0000	10
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	1973580	10.0000	11
83 tert-butylbenzene	119	17.023	17.023	(1.155)	3481398	10.0000	10
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	3525067	10.0000	10
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	5084068	10.0000	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	4468517	10.0000	11
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	2573541	10.0000	10
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	2587919	10.0000	10
89 Benzyl chloride	91	17.738	17.738	(1.204)	3029817	10.0000	11
90 Undecane	57	17.887	17.887	(1.214)	1686620	10.0000	11
91 n-Butylbenzene	91	17.903	17.903	(1.215)	3610451	10.0000	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	2416697	10.0000	10
93 Dodecane	57	19.243	19.243	(1.306)	1418552	10.0000	9.7
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	1724492	10.0000	9.8
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1125968	10.0000	9.8
96 Naphthalene	128	20.652	20.652	(1.401)	3680670	10.0000	9.4
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	1415603	10.0000	9.9

QC Flag Legend

M - Compound response manually integrated.

Data File: bka006.d
Client ID: icis 132424
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 132424
Lab Sample ID: icis 132424

Date: 19-APR-2011 15:42
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



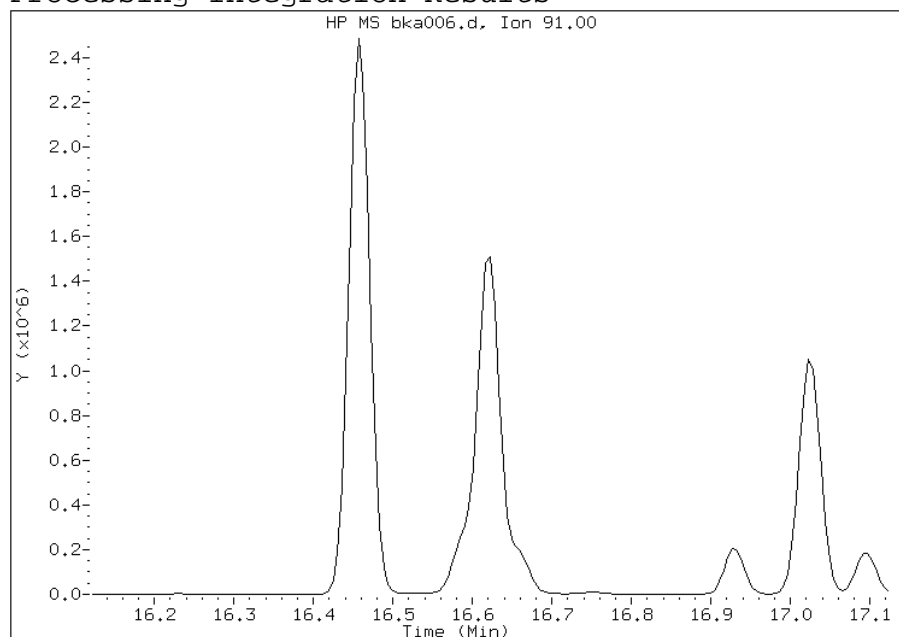
Manual Integration Report

Data File: bka006.d
Lab Sample ID: icis 132424
Inj. Date and Time: 19-APR-2011 15:42
Instrument ID: B.i
Client ID: icis 132424
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

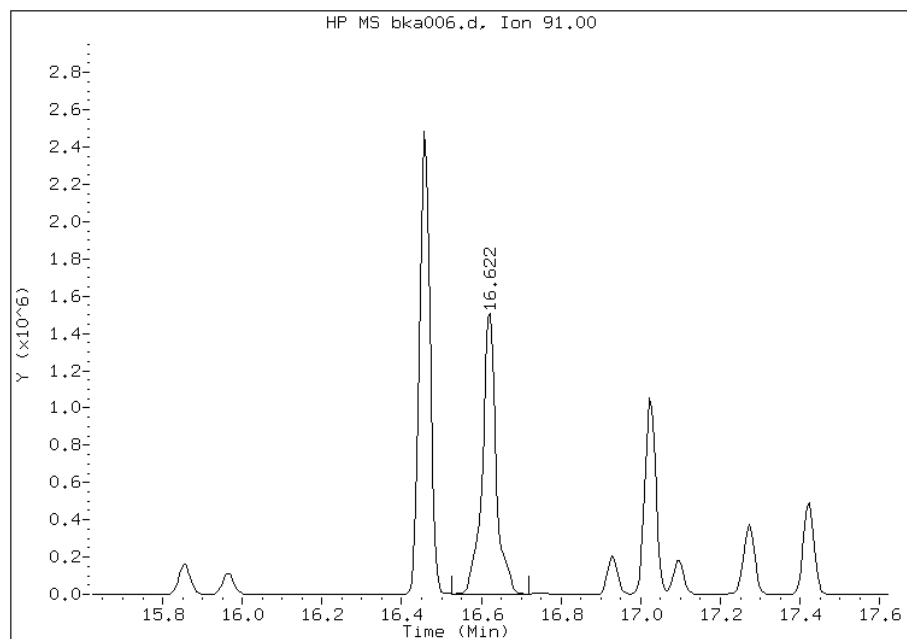
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 3601023
Amount: 10.33
Conc: 10.33



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka007.d
 Lab Smp Id: ic 132422 Client Smp ID: ic 132422
 Inj Date : 19-APR-2011 16:34
 Operator : wrd Inst ID: B.i
 Smp Info : ic 132422
 Misc Info : 200,1, level5
 Comment :
 Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
 Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
 Cal Date : 19-APR-2011 16:34 Cal File: bka007.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====		=====	=====
1 Propene	41	2.992	2.992	(0.325)	231639		15.0000	14
2 Dichlorodifluoromethane	85	3.045	3.040	(0.331)	1437377		15.0000	14
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	598766		15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	1391401		15.0000	14
5 Chloromethane	50	3.339	3.339	(0.363)	293350		15.0000	14
6 Butane	43	3.488	3.488	(0.379)	521368		15.0000	14
7 Vinyl chloride	62	3.520	3.520	(0.382)	418232		15.0000	14
8 1,3-Butadiene	54	3.574	3.574	(0.388)	304903		15.0000	14
9 Bromomethane	94	4.129	4.129	(0.449)	753036		15.0000	14
10 Chloroethane	64	4.331	4.326	(0.471)	362414		15.0000	14
11 2-Methylbutane	43	4.406	4.401	(0.479)	673404		15.0000	14
12 Vinyl bromide	106	4.705	4.705	(0.511)	1014869		15.0000	15
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	2465621		15.0000	15
14 Pentane	43	4.929	4.924	(0.536)	1117488		15.0000	14

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	379947	20.0000	20
16 Ethyl ether	59	5.415	5.415	(0.588)	631491	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.629)	2009307	15.0000	15
18 Acrolein	56	5.756	5.756	(0.625)	337707	15.0000	15
19 1,1-Dichloroethene	96	5.858	5.852	(0.636)	972662	15.0000	15
20 Acetone	43	6.045	6.045	(0.657)	1039866	15.0000	15
21 Carbon disulfide	76	6.269	6.269	(0.681)	2713282	15.0000	15
22 Isopropanol	45	6.317	6.322	(0.686)	847756	15.0000	15
23 Allyl chloride	41	6.546	6.541	(0.711)	881080	15.0000	14
24 Acetonitrile	41	6.626	6.626	(0.720)	536407	15.0000	15
25 Methylene chloride	49	6.802	6.802	(0.739)	805880	15.0000	14
26 Tert-butyl alcohol	59	7.032	7.037	(0.764)	1372891	15.0000	15
27 Methyl tert-butyl ether	73	7.181	7.187	(0.780)	2639589	15.0000	15
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	1238608	15.0000	15
29 Acrylonitrile	53	7.288	7.288	(0.792)	598039	15.0000	15
30 n-Hexane	57	7.534	7.528	(0.818)	1350889	15.0000	14
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1567056	15.0000	15
32 Vinyl acetate	43	7.966	7.966	(0.865)	1911252	15.0000	15
M 33 1,2-Dichloroethene,Total	61				2350649	30.0000	29
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	1112041	15.0000	15
35 Ethyl acetate	88	8.879	8.878	(0.965)	97227	15.0000	15
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	477196	15.0000	15(Q)
* 37 Bromochloromethane	128	9.204	9.199	(1.000)	707722	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.871)	813871	15.0000	15
39 Chloroform	83	9.284	9.284	(1.009)	1978722	15.0000	15
40 Cyclohexane	84	9.535	9.535	(0.898)	1478653	15.0000	15
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.897)	2154019	15.0000	15
42 Carbon tetrachloride	117	9.732	9.727	(0.917)	2395919	15.0000	15
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.944)	4144876	15.0000	15
44 Benzene	78	10.053	10.053	(0.947)	3037856	15.0000	15
45 1,2-Dichloroethane	62	10.159	10.159	(0.957)	1188146	15.0000	15
46 n-Heptane	43	10.282	10.282	(0.969)	1364777	15.0000	14
* 47 1,4-Difluorobenzene	114	10.613	10.608	(1.000)	3405381	10.0000	
48 n-Butanol	56	10.901	10.906	(1.027)	456578	15.0000	15
49 Trichloroethene	95	10.971	10.971	(1.034)	1448406	15.0000	15
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	1021765	15.0000	15
51 Methyl methacrylate	69	11.408	11.408	(1.075)	1090133	15.0000	15
52 Dibromomethane	174	11.520	11.520	(1.085)	1398287	15.0000	15
53 1,4-Dioxane	88	11.515	11.520	(1.085)	478246	15.0000	15
54 Bromodichloromethane	83	11.702	11.702	(1.103)	2220179	15.0000	15
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.161)	1754409	15.0000	15
56 Methyl isobutyl ketone	43	12.513	12.518	(1.179)	1747319	15.0000	15
57 n-Octane	43	12.758	12.758	(1.202)	1758731	15.0000	14
58 Toluene	92	12.753	12.748	(0.865)	2427829	15.0000	15
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.236)	1810182	15.0000	15
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1124926	15.0000	15
61 Tetrachloroethene	166	13.522	13.516	(0.917)	2248125	15.0000	15

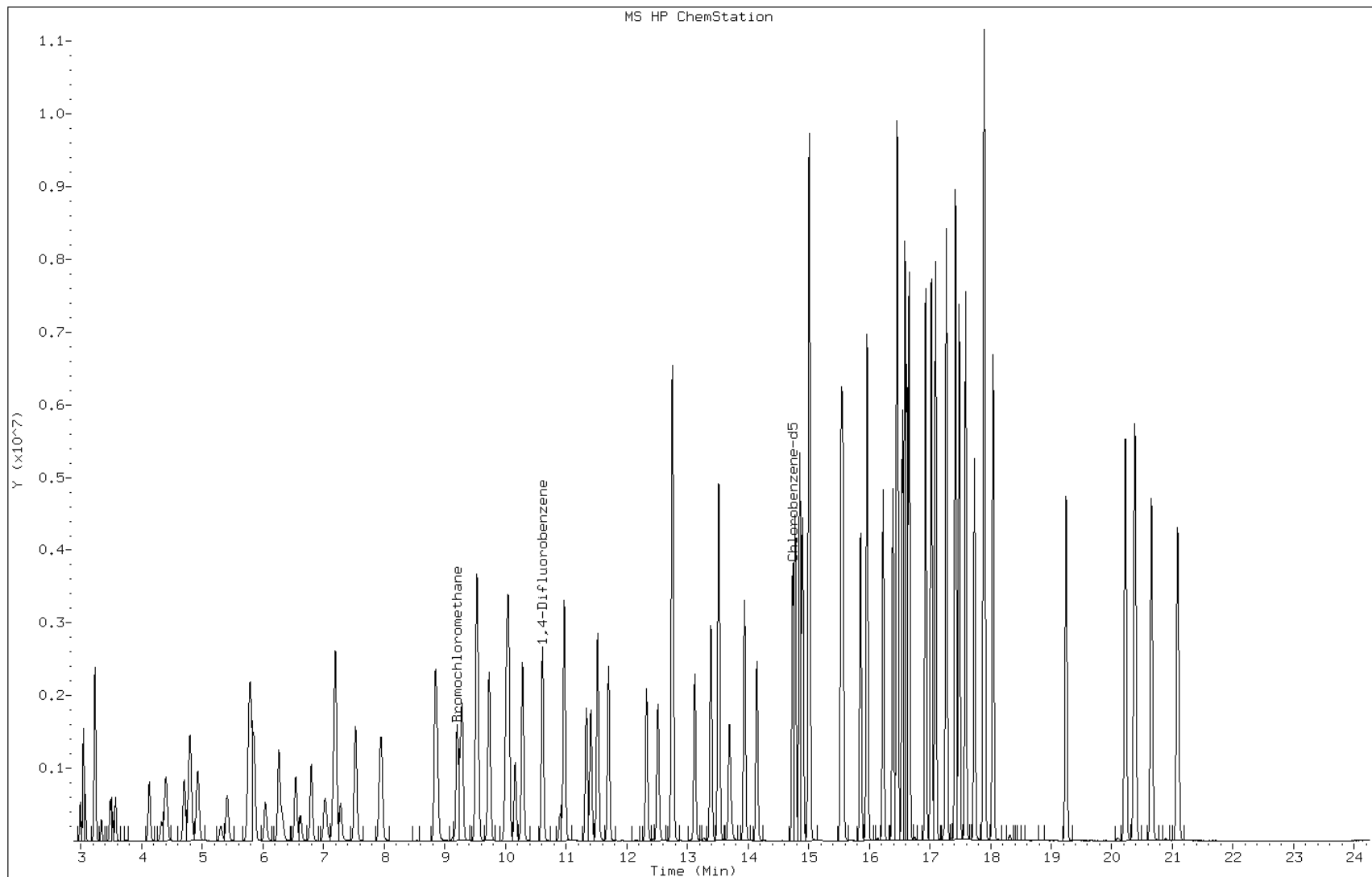
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1718705	15.0000	15
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2666927	15.0000	16
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2340956	15.0000	15
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3135785	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	3699222	15.0000	15
67 n-Nonane	57	14.904	14.899	(1.011)	1983573	15.0000	15
68 Ethylbenzene	91	14.856	14.856	(1.008)	5291212	15.0000	15
69 Xylene (m,p)	106	15.011	15.011	(1.018)	4531499	30.0000	30
M 70 Xylenes, Total	106				6814394	15.0000	46
71 Xylene (o)	106	15.539	15.539	(1.054)	2282895	15.0000	15
72 Styrene	104	15.566	15.566	(1.056)	3599092	15.0000	16
73 Bromoform	173	15.859	15.859	(1.076)	2631689	15.0000	17
74 Isopropylbenzene	105	15.966	15.966	(1.083)	6398313	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2923189	15.0000	15
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6897586	15.0000	15
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	2073399	15.0000	15
78 n-Decane	57	16.553	16.548	(1.123)	2436164	15.0000	14
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	6556164	15.0000	15
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	5446135	15.0000	15
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	5409454	15.0000	15
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	3126546	15.0000	17
83 tert-butylbenzene	119	17.028	17.023	(1.155)	5434934	15.0000	15
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	5458639	15.0000	15
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	7804179	15.0000	15
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6989529	15.0000	16
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	4123237	15.0000	16
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	4150197	15.0000	16
89 Benzyl chloride	91	17.738	17.738	(1.204)	4753657	15.0000	16
90 Undecane	57	17.887	17.887	(1.214)	2384569	15.0000	15
91 n-Butylbenzene	91	17.903	17.903	(1.215)	5304843	15.0000	15
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	3908806	15.0000	16
93 Dodecane	57	19.243	19.243	(1.306)	2304964	15.0000	15
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	3017684	15.0000	16
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1861681	15.0000	15
96 Naphthalene	128	20.652	20.652	(1.401)	6683018	15.0000	16
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2546768	15.0000	17

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bka007.d
Client ID: ic 132422
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132422
Lab Sample ID: ic 132422

Date: 19-APR-2011 16:34
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka008.d
Lab Smp Id: ic 132406 Client Smp ID: ic 132406
Inj Date : 19-APR-2011 17:27
Operator : wrd Inst ID: B.i
Smp Info : ic 132406
Misc Info : 200,1, level6
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 19-APR-2011 17:27 Cal File: bka008.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	300120	20.0000	17
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1827829	20.0000	17
3 Chlorodifluoromethane	51	3.067	3.072	(0.333)	766295	20.0000	17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1762200	20.0000	17
5 Chloromethane	50	3.333	3.339	(0.362)	383654	20.0000	17
6 Butane	43	3.483	3.488	(0.379)	657804	20.0000	17
7 Vinyl chloride	62	3.515	3.520	(0.382)	529337	20.0000	17
8 1,3-Butadiene	54	3.568	3.574	(0.388)	384173	20.0000	17
9 Bromomethane	94	4.123	4.129	(0.448)	947441	20.0000	17
10 Chloroethane	64	4.326	4.326	(0.470)	455574	20.0000	17
11 2-Methylbutane	43	4.395	4.401	(0.478)	837817	20.0000	17
12 Vinyl bromide	106	4.700	4.705	(0.511)	1306088	20.0000	18
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	3170080	20.0000	18
14 Pentane	43	4.924	4.924	(0.535)	1390176	20.0000	17

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.297	5.308 (0.576)		727156	40.0000	36
16 Ethyl ether	59	5.404	5.415 (0.587)		821517	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788 (0.630)		2660922	20.0000	18
18 Acrolein	56	5.751	5.756 (0.625)		435833	20.0000	19
19 1,1-Dichloroethene	96	5.852	5.852 (0.636)		1286652	20.0000	19
20 Acetone	43	6.034	6.045 (0.656)		1348308	20.0000	18
21 Carbon disulfide	76	6.263	6.269 (0.681)		3566337	20.0000	18
22 Isopropanol	45	6.301	6.322 (0.685)		1112244	20.0000	19
23 Allyl chloride	41	6.541	6.541 (0.711)		1154713	20.0000	18
24 Acetonitrile	41	6.621	6.626 (0.720)		696363	20.0000	18
25 Methylene chloride	49	6.797	6.802 (0.739)		1037427	20.0000	17
26 Tert-butyl alcohol	59	7.011	7.037 (0.762)		1822781	20.0000	19
27 Methyl tert-butyl ether	73	7.176	7.187 (0.780)		3458603	20.0000	19
28 1,2-Dichloroethene (trans)	61	7.203	7.203 (0.783)		1596852	20.0000	18
29 Acrylonitrile	53	7.283	7.288 (0.792)		780949	20.0000	18
30 n-Hexane	57	7.528	7.528 (0.818)		1747428	20.0000	18
31 1,1-Dichloroethane	63	7.934	7.934 (0.862)		2029629	20.0000	18
32 Vinyl acetate	43	7.961	7.966 (0.865)		2439891	20.0000	18
M 33 1,2-Dichloroethene,Total	61				3071769	40.0000	37
34 1,2-Dichloroethene (cis)	96	8.836	8.836 (0.961)		1474917	20.0000	19
35 Ethyl acetate	88	8.873	8.878 (0.965)		128917	20.0000	19
36 Methyl Ethyl Ketone	72	8.846	8.857 (0.962)		615079	20.0000	18(Q)
* 37 Bromochloromethane	128	9.199	9.199 (1.000)		739787	10.0000	
38 Tetrahydrofuran	42	9.241	9.252 (0.871)		1047298	20.0000	18
39 Chloroform	83	9.284	9.284 (1.009)		2598681	20.0000	18
40 Cyclohexane	84	9.535	9.535 (0.898)		1918754	20.0000	19
41 1,1,1-Trichloroethane	97	9.524	9.524 (0.897)		2824174	20.0000	19
42 Carbon tetrachloride	117	9.727	9.727 (0.917)		3200971	20.0000	19
43 2,2,4-Trimethylpentane	57	10.021	10.021 (0.944)		5307613	20.0000	18
44 Benzene	78	10.053	10.053 (0.947)		3947918	20.0000	18
45 1,2-Dichloroethane	62	10.159	10.159 (0.957)		1533949	20.0000	18
46 n-Heptane	43	10.282	10.282 (0.969)		1730671	20.0000	18
* 47 1,4-Difluorobenzene	114	10.613	10.608 (1.000)		3530481	10.0000	
48 n-Butanol	56	10.880	10.906 (1.025)		616899	20.0000	19
49 Trichloroethene	95	10.971	10.971 (1.034)		1916872	20.0000	19
50 1,2-Dichloropropane	63	11.333	11.333 (1.068)		1320810	20.0000	19
51 Methyl methacrylate	69	11.403	11.408 (1.074)		1421973	20.0000	19
52 Dibromomethane	174	11.520	11.520 (1.085)		1909592	20.0000	20
53 1,4-Dioxane	88	11.504	11.520 (1.084)		643239	20.0000	20
54 Bromodichloromethane	83	11.702	11.702 (1.103)		2909545	20.0000	19
55 1,3-Dichloropropene (cis)	75	12.326	12.326 (1.161)		2300228	20.0000	19
56 Methyl isobutyl ketone	43	12.508	12.518 (1.179)		2241078	20.0000	18
57 n-Octane	43	12.758	12.758 (1.202)		2171293	20.0000	17
58 Toluene	92	12.748	12.748 (0.865)		3127459	20.0000	18
59 1,3-Dichloropropene (trans)	75	13.121	13.121 (1.236)		2373295	20.0000	20
60 1,1,2-Trichloroethane	83	13.388	13.388 (0.908)		1479875	20.0000	19
61 Tetrachloroethene	166	13.522	13.516 (0.917)		3066934	20.0000	21

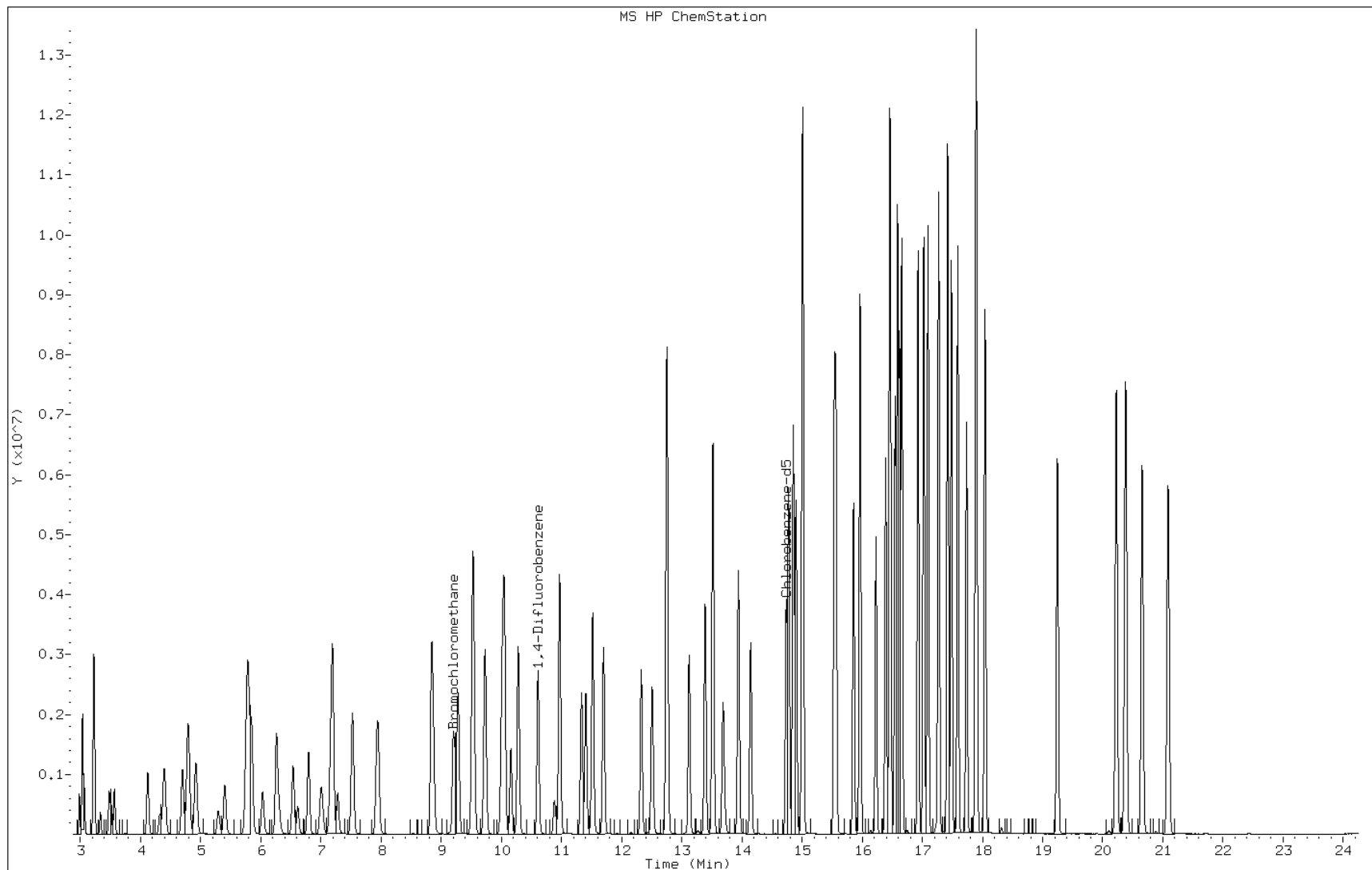
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.687	13.698	(0.929)	2214121	20.0000	19
63 Dibromochloromethane	129	13.943	13.943	(0.946)	3574952	20.0000	21
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	3103635	20.0000	20
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3227755	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	4913972	20.0000	19
67 n-Nonane	57	14.904	14.899	(1.011)	2497679	20.0000	18
68 Ethylbenzene	91	14.856	14.856	(1.008)	6889927	20.0000	19
69 Xylene (m,p)	106	15.011	15.011	(1.018)	5806766	40.0000	38
M 70 Xylenes, Total	106				8787539	20.0000	57
71 Xylene (o)	106	15.539	15.539	(1.054)	2980773	20.0000	19
72 Styrene	104	15.566	15.566	(1.056)	4712279	20.0000	20
73 Bromoform	173	15.859	15.859	(1.076)	3545428	20.0000	22
74 Isopropylbenzene	105	15.966	15.966	(1.083)	8423912	20.0000	20
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	3764719	20.0000	19
76 n-Propylbenzene	91	16.457	16.457	(1.117)	8754898	20.0000	19
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	2616172	20.0000	18
78 n-Decane	57	16.553	16.548	(1.123)	3035655	20.0000	18
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	8477020	20.0000	19
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	7029702	20.0000	19(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	7092974	20.0000	19
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	4156543	20.0000	21
83 tert-butylbenzene	119	17.028	17.023	(1.155)	7161981	20.0000	20
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	7137272	20.0000	20
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	10115821	20.0000	19
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	9138941	20.0000	20
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	5539311	20.0000	21
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	5577771	20.0000	21
89 Benzyl chloride	91	17.738	17.738	(1.204)	6271146	20.0000	21
90 Undecane	57	17.887	17.887	(1.214)	2911051	20.0000	18
91 n-Butylbenzene	91	17.903	17.903	(1.215)	6615177	20.0000	18
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	5266072	20.0000	21
93 Dodecane	57	19.243	19.243	(1.306)	3039375	20.0000	19
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	4124576	20.0000	22
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	2531888	20.0000	20
96 Naphthalene	128	20.652	20.652	(1.401)	8929532	20.0000	21
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	3515989	20.0000	23

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: bka008.d
Client ID: ic 132406
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132406
Lab Sample ID: ic 132406

Date: 19-APR-2011 17:27
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



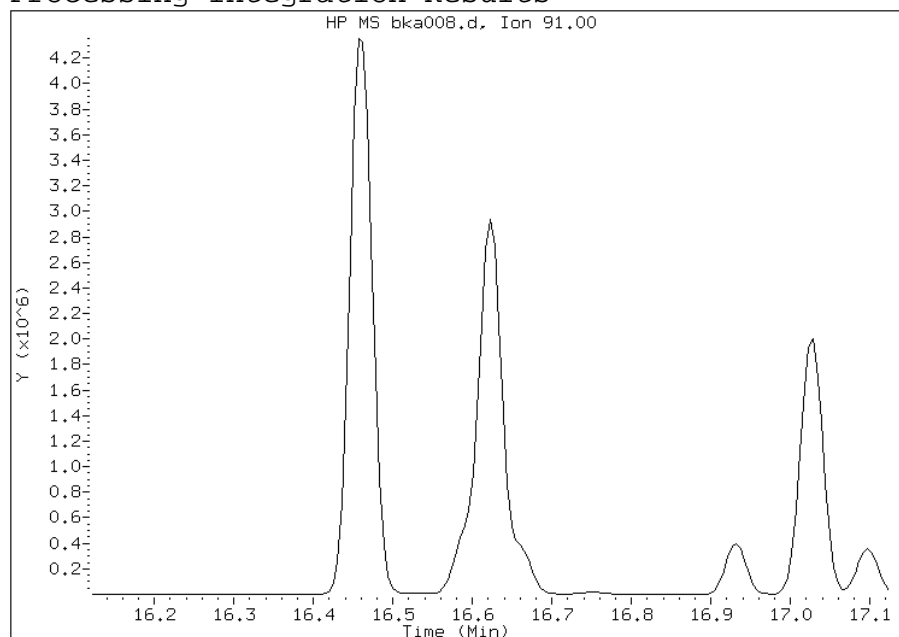
Manual Integration Report

Data File: bka008.d
Lab Sample ID: ic 132406
Inj. Date and Time: 19-APR-2011 17:27
Instrument ID: B.i
Client ID: ic 132406
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

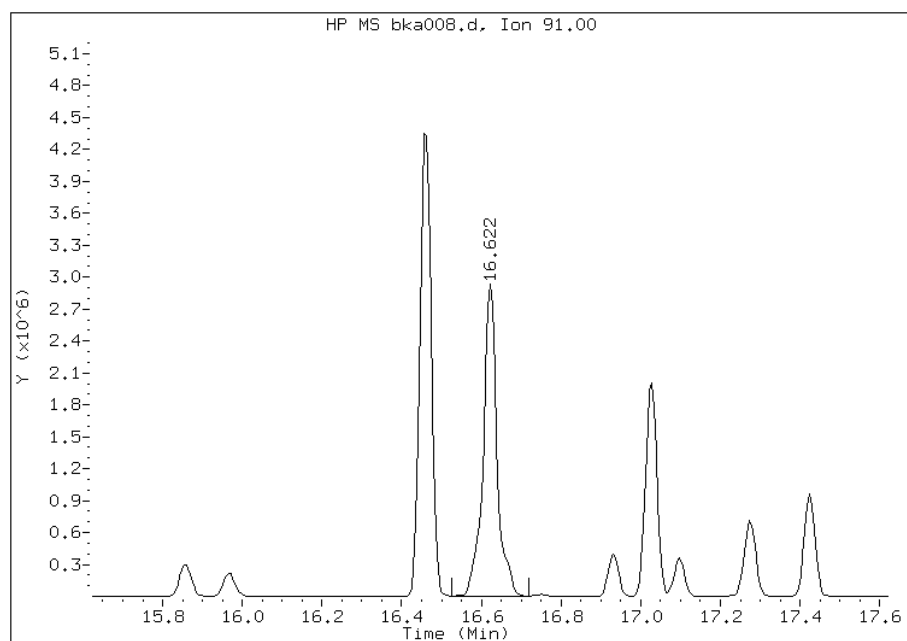
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 7029702
Amount: 18.65
Conc: 18.65



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka009.d
Lab Smp Id: ic 132405 Client Smp ID: ic 132405
Inj Date : 19-APR-2011 18:19
Operator : wrd Inst ID: B.i
Smp Info : ic 132405
Misc Info : 200,1, level7
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 19-APR-2011 18:19 Cal File: bka009.d
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	599770	40.0000	33
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	3524372	40.0000	32
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	1524484	40.0000	33
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	3358935	40.0000	31
5 Chloromethane	50	3.339	3.339	(0.363)	775518	40.0000	33
6 Butane	43	3.483	3.488	(0.378)	1311417	40.0000	32
7 Vinyl chloride	62	3.515	3.520	(0.382)	1063608	40.0000	33
8 1,3-Butadiene	54	3.574	3.574	(0.388)	774512	40.0000	33
9 Bromomethane	94	4.129	4.129	(0.449)	1898835	40.0000	33
10 Chloroethane	64	4.326	4.326	(0.470)	919478	40.0000	33
11 2-Methylbutane	43	4.401	4.401	(0.478)	1662131	40.0000	31
12 Vinyl bromide	106	4.705	4.705	(0.511)	2642602	40.0000	35
13 Trichlorofluoromethane	101	4.801	4.801	(0.522)	6439223	40.0000	34
14 Pentane	43	4.929	4.924	(0.536)	2747007	40.0000	32

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.303	5.308	(0.576)	1860972	100.000	88
16 Ethyl ether	59	5.404	5.415	(0.587)	1668086	40.0000	35
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.629)	5443061	40.0000	36
18 Acrolein	56	5.751	5.756	(0.625)	861731	40.0000	35
19 1,1-Dichloroethene	96	5.858	5.852	(0.636)	2679149	40.0000	37
20 Acetone	43	6.034	6.045	(0.656)	2794058	40.0000	36
21 Carbon disulfide	76	6.269	6.269	(0.681)	7245165	40.0000	35
22 Isopropanol	45	6.306	6.322	(0.685)	2446977	40.0000	39
23 Allyl chloride	41	6.546	6.541	(0.711)	2304959	40.0000	34
24 Acetonitrile	41	6.626	6.626	(0.720)	1477909	40.0000	36
25 Methylene chloride	49	6.802	6.802	(0.739)	2075277	40.0000	33
26 Tert-butyl alcohol	59	7.005	7.037	(0.761)	4069174	40.0000	40
27 Methyl tert-butyl ether	73	7.176	7.187	(0.780)	6999335	40.0000	36
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	3127358	40.0000	33
29 Acrylonitrile	53	7.288	7.288	(0.792)	1618249	40.0000	36
30 n-Hexane	57	7.534	7.528	(0.818)	3453171	40.0000	33
31 1,1-Dichloroethane	63	7.939	7.934	(0.863)	4045389	40.0000	34
32 Vinyl acetate	43	7.966	7.966	(0.865)	4793064	40.0000	34
M 33 1,2-Dichloroethene,Total	61				6077558	80.0000	69
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	2950200	40.0000	36
35 Ethyl acetate	88	8.878	8.878	(0.965)	260476	40.0000	37
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	1207999	40.0000	34(Q)
* 37 Bromochloromethane	128	9.204	9.199	(1.000)	781712	10.0000	
38 Tetrahydrofuran	42	9.241	9.252	(0.871)	2084669	40.0000	35
39 Chloroform	83	9.284	9.284	(1.009)	5274929	40.0000	35
40 Cyclohexane	84	9.540	9.535	(0.899)	3724291	40.0000	35
41 1,1,1-Trichloroethane	97	9.530	9.524	(0.898)	5691823	40.0000	37
42 Carbon tetrachloride	117	9.732	9.727	(0.917)	6692210	40.0000	39
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.944)	10092869	40.0000	33
44 Benzene	78	10.058	10.053	(0.948)	7680963	40.0000	34
45 1,2-Dichloroethane	62	10.165	10.159	(0.958)	3132783	40.0000	36
46 n-Heptane	43	10.282	10.282	(0.969)	3292791	40.0000	32
* 47 1,4-Difluorobenzene	114	10.613	10.608	(1.000)	3671116	10.0000	
48 n-Butanol	56	10.880	10.906	(1.025)	1408829	40.0000	43(A)
49 Trichloroethene	95	10.970	10.971	(1.034)	3833558	40.0000	36
50 1,2-Dichloropropane	63	11.339	11.333	(1.068)	2623803	40.0000	35
51 Methyl methacrylate	69	11.408	11.408	(1.075)	2893198	40.0000	38
52 Dibromomethane	174	11.526	11.520	(1.086)	3969697	40.0000	41(A)
53 1,4-Dioxane	88	11.499	11.520	(1.083)	1375223	40.0000	40(A)
54 Bromodichloromethane	83	11.702	11.702	(1.103)	5862932	40.0000	37
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.162)	4661270	40.0000	38
56 Methyl isobutyl ketone	43	12.508	12.518	(1.179)	4388870	40.0000	35
57 n-Octane	43	12.764	12.758	(1.203)	3705391	40.0000	27
58 Toluene	92	12.753	12.748	(0.865)	5654440	40.0000	32
59 1,3-Dichloropropene (trans)	75	13.127	13.121	(1.237)	4813372	40.0000	38
60 1,1,2-Trichloroethane	83	13.393	13.388	(0.908)	2919548	40.0000	36
61 Tetrachloroethene	166	13.522	13.516	(0.917)	6228827	40.0000	40(A)

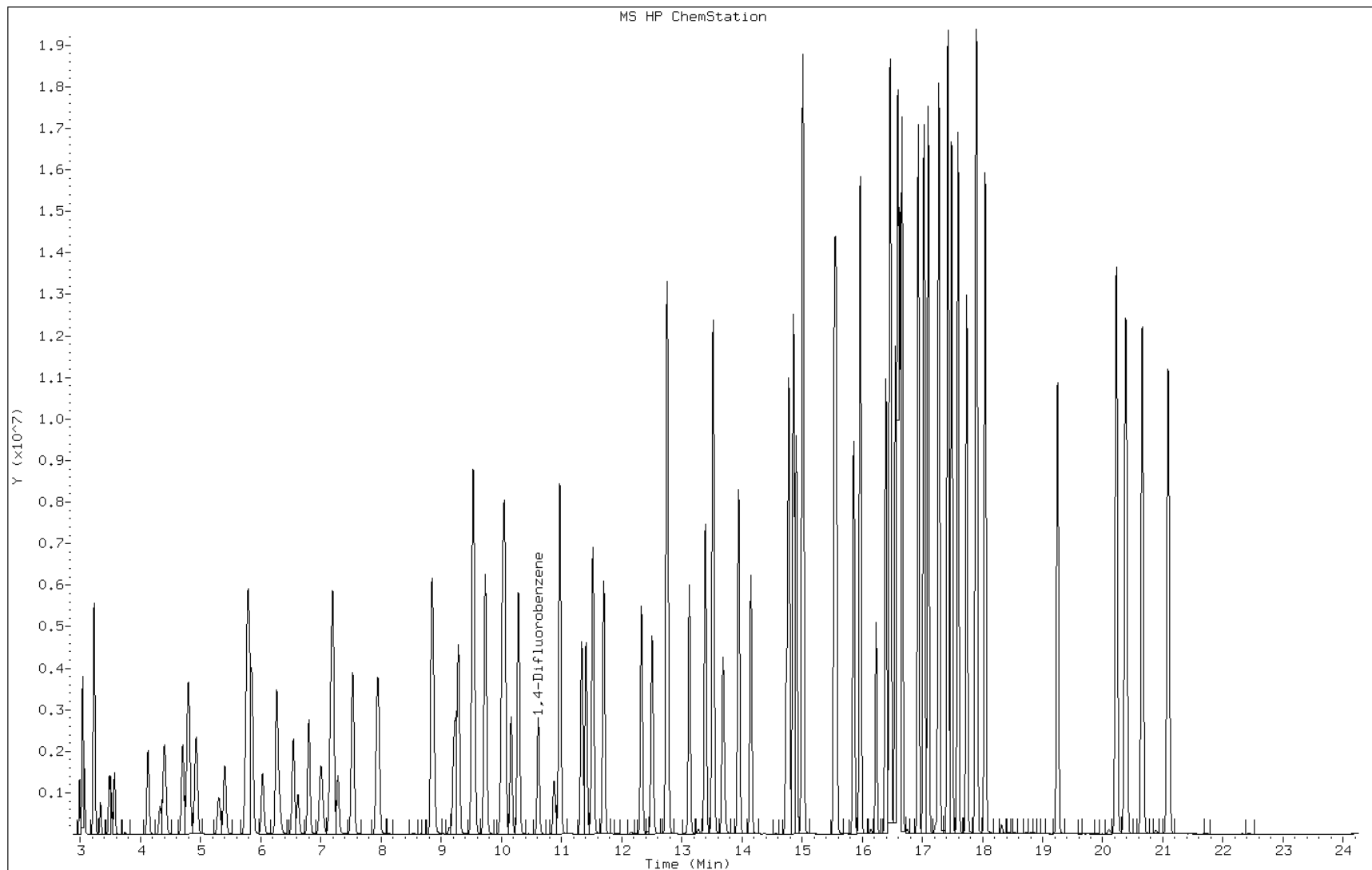
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.687	13.698	(0.928)	4371736	40.0000	36
63 Dibromochloromethane	129	13.948	13.943	(0.946)	7237509	40.0000	40
64 1,2-Dibromoethane	107	14.151	14.146	(0.960)	6238068	40.0000	38
* 65 Chlorobenzene-d5	117	14.744	14.738	(1.000)	3356371	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	9833865	40.0000	37
67 n-Nonane	57	14.904	14.899	(1.011)	4470311	40.0000	31
68 Ethylbenzene	91	14.861	14.856	(1.008)	13273535	40.0000	35
69 Xylene (m,p)	106	15.016	15.011	(1.018)	10154496	80.0000	64
M 70 Xylenes, Total	106				15751384	40.0000	99
71 Xylene (o)	106	15.539	15.539	(1.054)	5596888	40.0000	35
72 Styrene	104	15.571	15.566	(1.056)	8850176	40.0000	37
73 Bromoform	173	15.859	15.859	(1.076)	6819478	40.0000	40
74 Isopropylbenzene	105	15.971	15.966	(1.083)	16038905	40.0000	36
75 1,1,2,2-Tetrachloroethane	83	16.398	16.393	(1.112)	6981701	40.0000	34
76 n-Propylbenzene	91	16.462	16.457	(1.117)	14790847	40.0000	30
77 1,2,3-Trichloropropane	75	16.478	16.468	(1.118)	4487423	40.0000	30
78 n-Decane	57	16.553	16.548	(1.123)	5182772	40.0000	29
79 4-Ethyltoluene	105	16.596	16.585	(1.126)	15123545	40.0000	33
80 2-Chlorotoluene	91	16.628	16.622	(1.128)	12913657	40.0000	33(M)
81 1,3,5-Trimethylbenzene	105	16.665	16.660	(1.130)	13388540	40.0000	35
82 Alpha Methyl Styrene	118	16.937	16.932	(1.149)	8021611	40.0000	40
83 tert-butylbenzene	119	17.033	17.023	(1.155)	13516071	40.0000	36
84 1,2,4-Trimethylbenzene	105	17.103	17.097	(1.160)	13446021	40.0000	35
85 sec-Butylbenzene	105	17.279	17.273	(1.172)	18575724	40.0000	34
86 4-Isopropyltoluene	119	17.428	17.423	(1.182)	16797947	40.0000	35
87 1,3-Dichlorobenzene	146	17.492	17.487	(1.186)	10716451	40.0000	38
88 1,4-Dichlorobenzene	146	17.599	17.594	(1.194)	10779777	40.0000	38
89 Benzyl chloride	91	17.743	17.738	(1.203)	12462482	40.0000	39
90 Undecane	57	17.887	17.887	(1.213)	4585532	40.0000	27
91 n-Butylbenzene	91	17.908	17.903	(1.215)	10669300	40.0000	28
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	10383099	40.0000	39
93 Dodecane	57	19.248	19.243	(1.306)	5509471	40.0000	34
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	8238766	40.0000	41(A)
95 1,3-Hexachlorobutadiene	225	20.385	20.380	(1.383)	4648758	40.0000	36
96 Naphthalene	128	20.657	20.652	(1.401)	18709280	40.0000	43(A)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.430)	7250992	40.0000	45(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka009.d
Client ID: ic 132405
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132405
Lab Sample ID: ic 132405

Date: 19-APR-2011 18:19
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



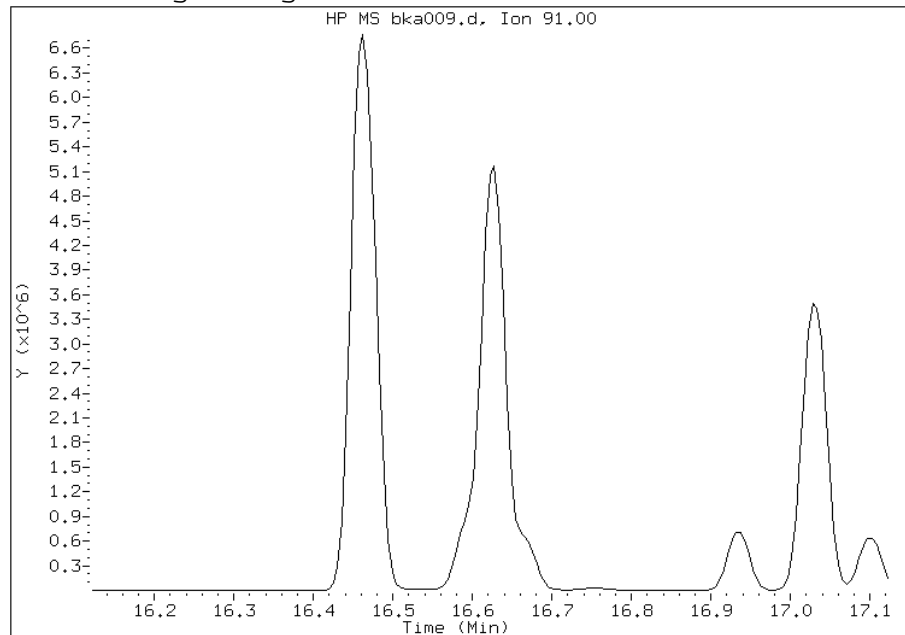
Manual Integration Report

Data File: bka009.d
Lab Sample ID: ic 132405
Inj. Date and Time: 19-APR-2011 18:19
Instrument ID: B.i
Client ID: ic 132405
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

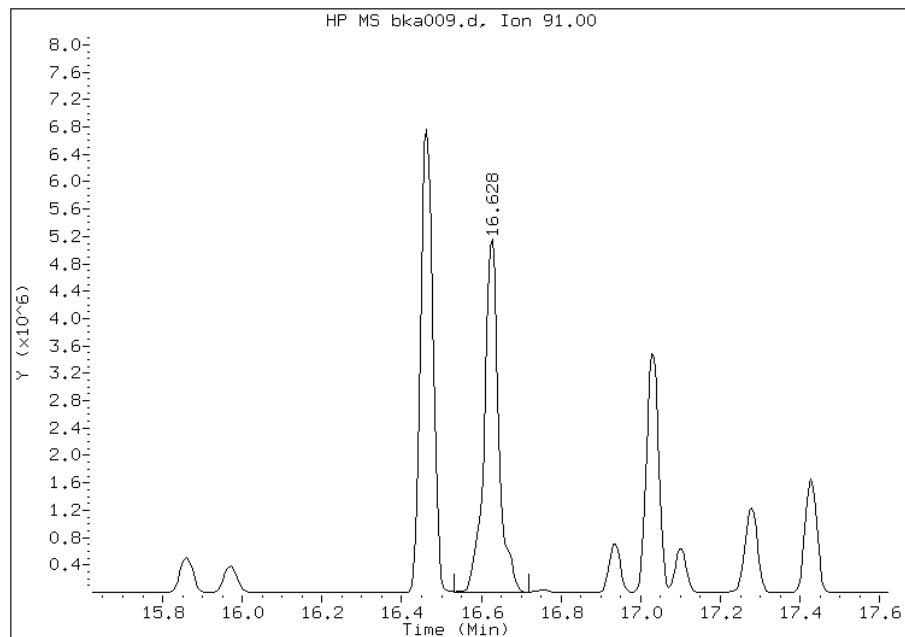
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.63
Response: 12913657
Amount: 32.94
Conc: 32.94



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka014.d
Lab Smp Id: ic 132521 Client Smp ID: ic 132521
Inj Date : 20-APR-2011 08:43
Operator : wrd Inst ID: B.i
Smp Info : ic 132521
Misc Info : 200,1, level1
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	22007	0.20000	0.20(a)	
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	10328	0.20000	0.22(a)	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	21439	0.20000	0.20	
5 Chloromethane	50	3.339	3.339	(0.363)	5128	0.20000	0.22(a)	
6 Butane	43	3.483	3.488	(0.379)	9933	0.20000	0.25(aQ)	
7 Vinyl chloride	62	3.515	3.520	(0.382)	6189	0.20000	0.20	
8 1,3-Butadiene	54	3.573	3.574	(0.388)	4689	0.20000	0.20	
9 Bromomethane	94	4.129	4.129	(0.449)	11458	0.20000	0.20	
10 Chloroethane	64	4.331	4.326	(0.471)	5473	0.20000	0.20(a)	
11 2-Methylbutane	43	4.390	4.401	(0.477)	12218	0.20000	0.23	
12 Vinyl bromide	106	4.705	4.705	(0.511)	15742	0.20000	0.21	
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	37349	0.20000	0.20	
14 Pentane	43	4.924	4.924	(0.535)	18515	0.20000	0.22(a)	
16 Ethyl ether	59	5.468	5.415	(0.594)	9120	0.20000	0.20	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.794	5.788	(0.630)	31501	0.20000	0.21
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	15651	0.20000	0.22(M)
21 Carbon disulfide	76	6.258	6.269	(0.680)	42175	0.20000	0.21(a)
23 Allyl chloride	41	6.551	6.541	(0.712)	13588	0.20000	0.20
25 Methylene chloride	49	6.808	6.802	(0.740)	14320	0.20000	0.23(a)
27 Methyl tert-butyl ether	73	7.267	7.187	(0.790)	38407	0.20000	0.20
28 1,2-Dichloroethene (trans)	61	7.208	7.203	(0.784)	18666	0.20000	0.20
29 Acrylonitrile	53	7.315	7.288	(0.795)	7966	0.20000	0.18(a)
30 n-Hexane	57	7.533	7.528	(0.819)	21696	0.20000	0.21
31 1,1-Dichloroethane	63	7.928	7.934	(0.862)	23482	0.20000	0.20
M 33 1,2-Dichloroethene,Total	61				35394	0.40000	0.40
34 1,2-Dichloroethene (cis)	96	8.841	8.836	(0.961)	16728	0.20000	0.20
36 Methyl Ethyl Ketone	72	8.910	8.857	(0.969)	7877	0.20000	0.23(aQ)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	774307	10.0000	
39 Chloroform	83	9.279	9.284	(1.009)	29536	0.20000	0.20
40 Cyclohexane	84	9.529	9.535	(0.898)	22729	0.20000	0.21
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	32159	0.20000	0.20
42 Carbon tetrachloride	117	9.722	9.727	(0.916)	34647	0.20000	0.20
43 2,2,4-Trimethylpentane	57	10.020	10.021	(0.945)	61280	0.20000	0.20(M)
44 Benzene	78	10.058	10.053	(0.948)	47198	0.20000	0.21
45 1,2-Dichloroethane	62	10.165	10.159	(0.958)	16884	0.20000	0.19(a)
46 n-Heptane	43	10.277	10.282	(0.969)	21502	0.20000	0.21
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3749851	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	10.970	10.971	(1.034)	21871	0.20000	0.20
50 1,2-Dichloropropane	63	11.339	11.333	(1.069)	14653	0.20000	0.19(a)
51 Methyl methacrylate	69	11.435	11.408	(1.078)	12941	0.20000	0.16(a)
52 Dibromomethane	174	11.525	11.520	(1.087)	20967	0.20000	0.21
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	11.702	11.702	(1.103)	30360	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	12.331	12.326	(1.163)	23023	0.20000	0.18(a)
56 Methyl isobutyl ketone	43	12.588	12.518	(1.187)	20503	0.20000	0.16(a)
57 n-Octane	43	12.753	12.758	(1.202)	29494	0.20000	0.21(a)
58 Toluene	92	12.758	12.748	(0.866)	38095	0.20000	0.21
59 1,3-Dichloropropene (trans)	75	13.137	13.121	(1.238)	23351	0.20000	0.18(a)
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	16226	0.20000	0.20
61 Tetrachloroethene	166	13.521	13.516	(0.917)	33514	0.20000	0.21
62 2-Hexanone	43	13.762	13.698	(0.934)	17520	0.20000	0.14(aM)
63 Dibromochloromethane	129	13.948	13.943	(0.946)	33753	0.20000	0.18(a)
64 1,2-Dibromoethane	107	14.151	14.146	(0.960)	31541	0.20000	0.19(a)
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3408265	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	55704	0.20000	0.21
67 n-Nonane	57	14.904	14.899	(1.011)	30365	0.20000	0.20
68 Ethylbenzene	91	14.861	14.856	(1.008)	79091	0.20000	0.20
69 Xylene (m,p)	106	15.016	15.011	(1.019)	67047	0.40000	0.41(a)
M 70 Xylenes, Total	106				99139	0.20000	0.61
71 Xylene (o)	106	15.544	15.539	(1.055)	32092	0.20000	0.20

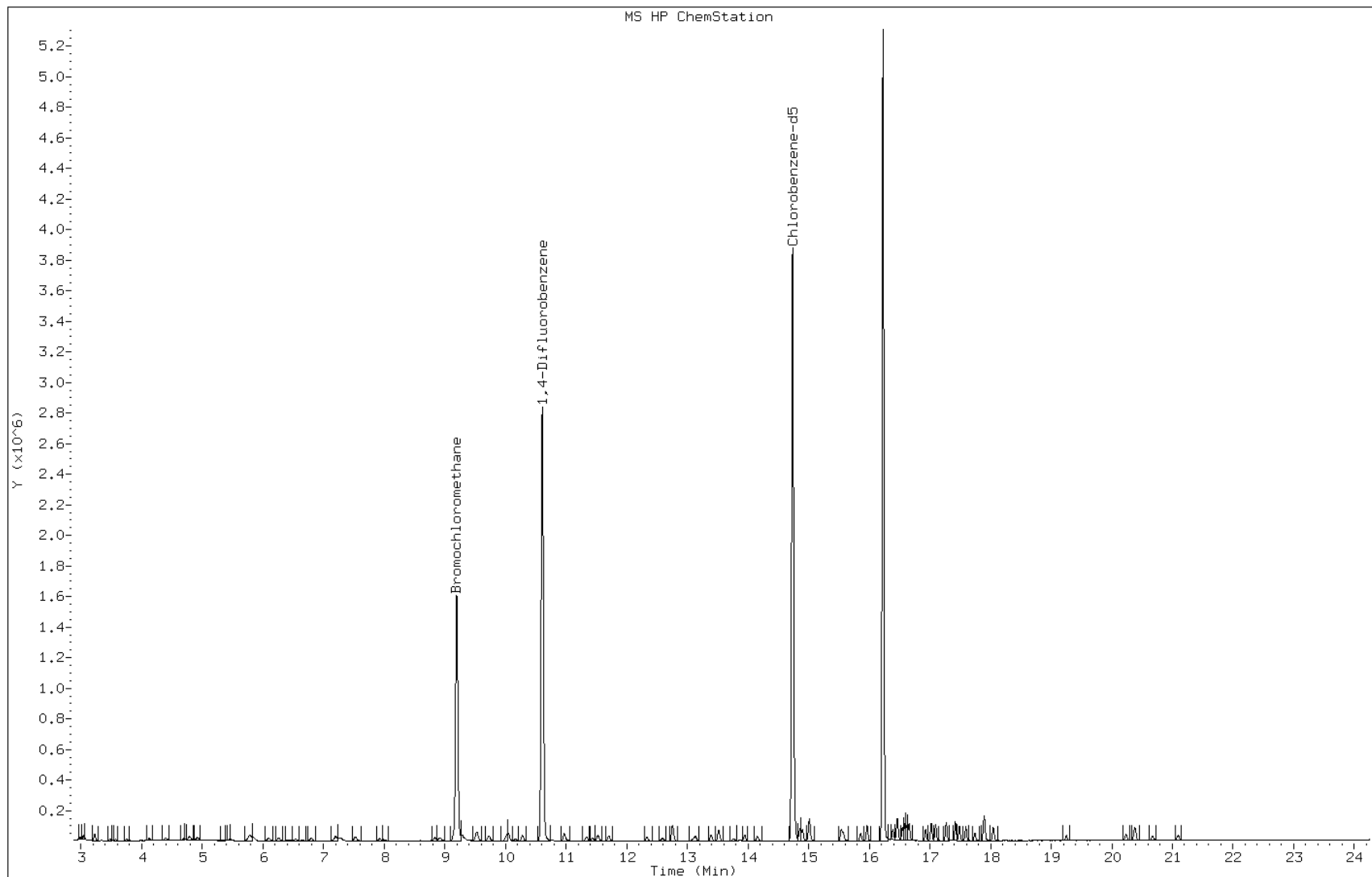
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
72 Styrene	104	15.571	15.566	(1.056)	42751	0.20000	0.17(a)
73 Bromoform	173	15.859	15.859	(1.076)	30436	0.20000	0.18(a)
74 Isopropylbenzene	105	15.966	15.966	(1.083)	89288	0.20000	0.20
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	40919	0.20000	0.19(a)
76 n-Propylbenzene	91	16.457	16.457	(1.117)	101095	0.20000	0.20
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	31796	0.20000	0.21(a)
78 n-Decane	57	16.553	16.548	(1.123)	37227	0.20000	0.20(a)
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	90304	0.20000	0.20
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	81335	0.20000	0.20(M)
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	76515	0.20000	0.20
82 Alpha Methyl Styrene	118	16.937	16.932	(1.149)	31216	0.20000	0.15(a)
83 tert-butylbenzene	119	17.022	17.023	(1.155)	77758	0.20000	0.20
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	73017	0.20000	0.19(a)
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	112414	0.20000	0.20
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	92926	0.20000	0.19(a)
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	53498	0.20000	0.19(a)
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	52849	0.20000	0.19(a)
89 Benzyl chloride	91	17.743	17.738	(1.204)	50062	0.20000	0.16(a)
91 n-Butylbenzene	91	17.903	17.903	(1.215)	73222	0.20000	0.19(a)
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	52468	0.20000	0.19(a)
94 1,2,4-Trichlorobenzene	180	20.230	20.219	(1.373)	24157	0.20000	0.12(a)
95 1,3-Hexachlorobutadiene	225	20.379	20.380	(1.383)	27243	0.20000	0.21
96 Naphthalene	128	20.668	20.652	(1.402)	45960	0.20000	0.10(a)
97 1,2,3-Trichlorobenzene	180	21.089	21.084	(1.431)	21804	0.20000	0.13(aM)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bka014.d
Client ID: ic 132521
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 132521
Lab Sample ID: ic 132521

Date: 20-APR-2011 08:43
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32

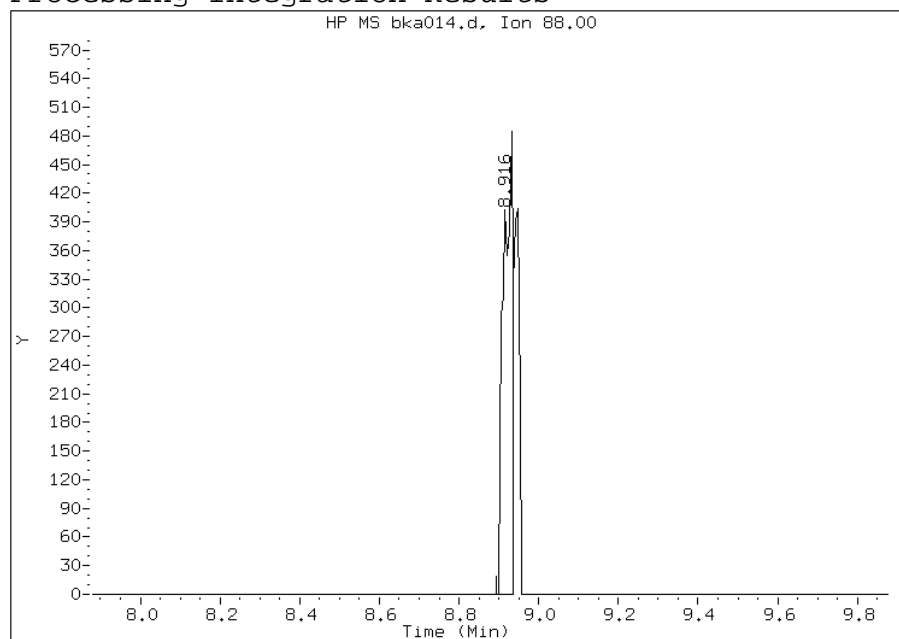


Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 35 Ethyl acetate
CAS #: 141-78-6
Report Date: 04/20/2011

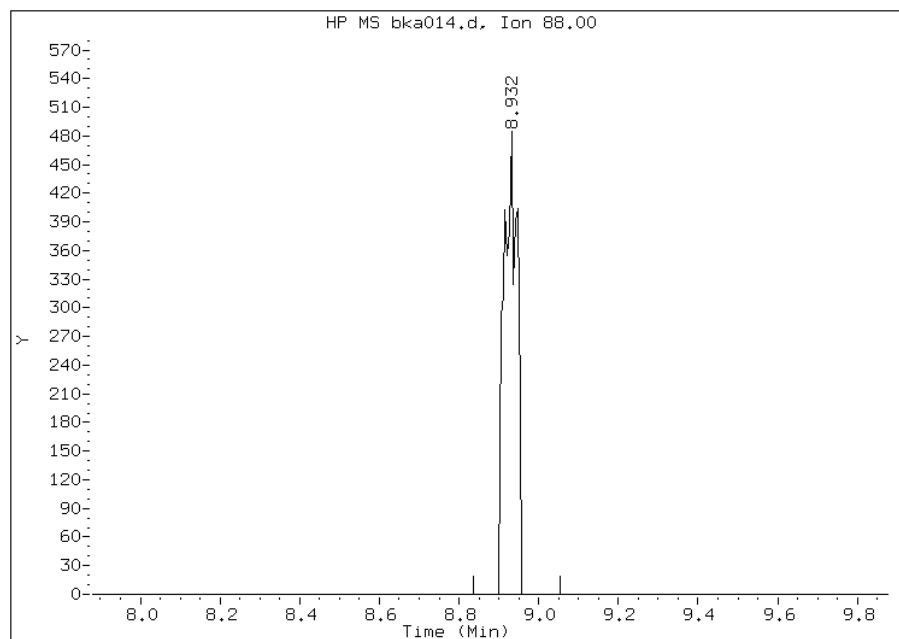
Processing Integration Results

RT: 8.92
Response: 817
Amount: 0.117294
Conc: 0.117294



Manual Integration Results

RT: 8.93
Response: 1136
Amount: 0.163092
Conc: 0.163092



File Uploaded By: pd
Manual Integration Reason: Baseline event

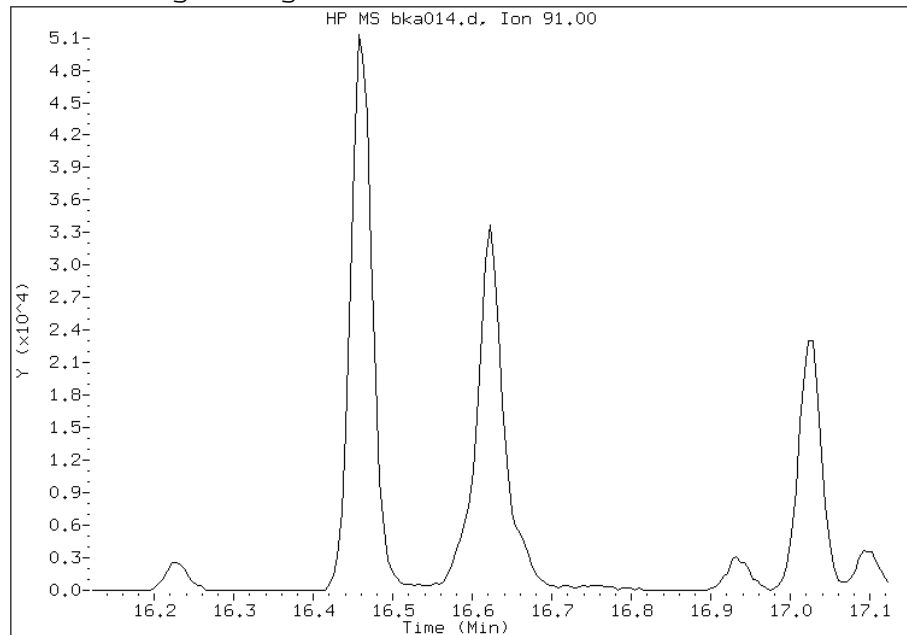
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 80 2-Chlorotoluene
CAS #: 95-49-8
Report Date: 04/20/2011

Processing Integration Results

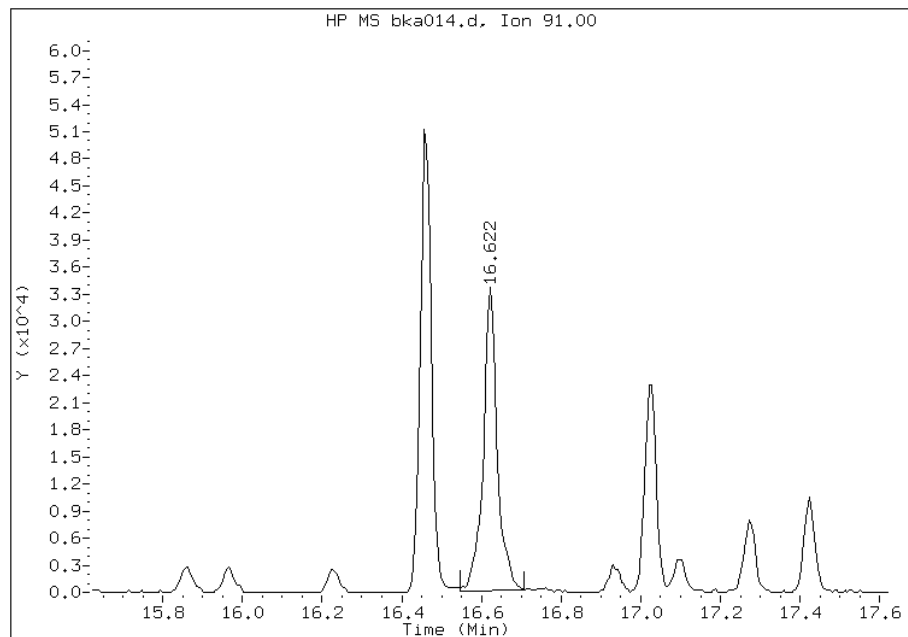
Not Detected

Expected RT: 16.62



Manual Integration Results

RT: 16.62
Response: 81335
Amount: 0.204313
Conc: 0.204313



File Uploaded By: pd
Manual Integration Reason: Baseline event

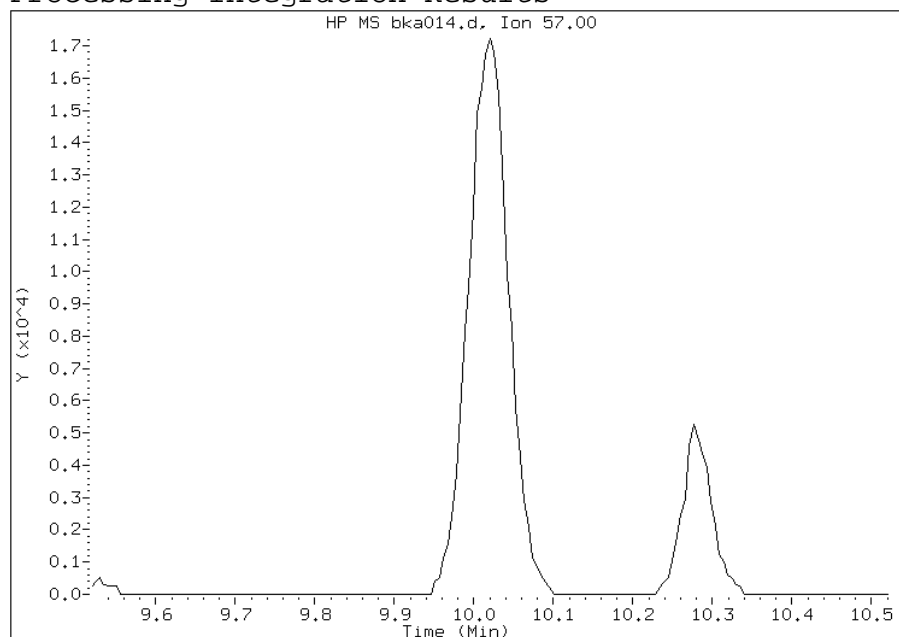
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 43 2,2,4-Trimethylpentane
CAS #: 540-84-1
Report Date: 04/20/2011

Processing Integration Results

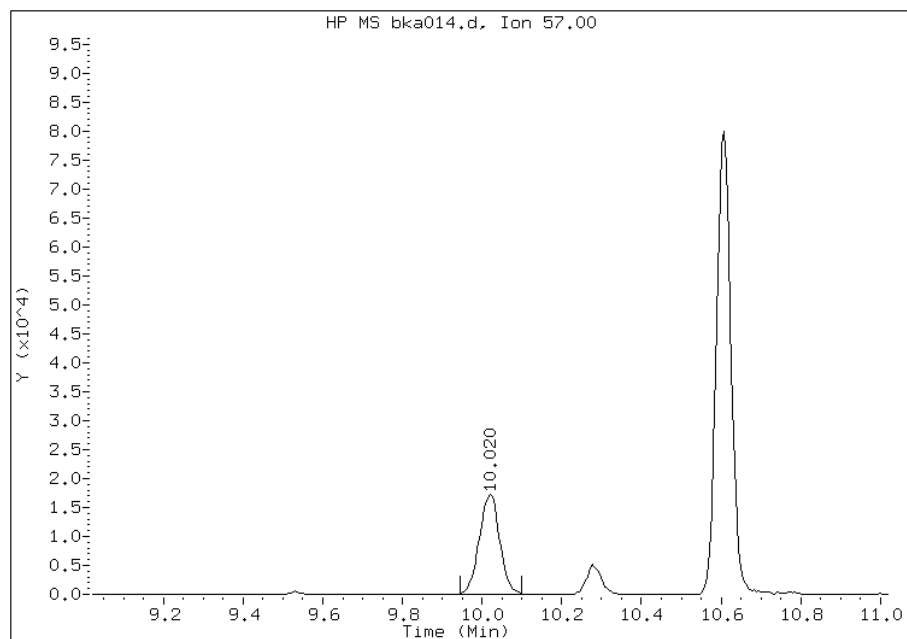
Not Detected

Expected RT: 10.02



Manual Integration Results

RT: 10.02
Response: 61280
Amount: 0.197586
Conc: 0.197586



File Uploaded By: pd
Manual Integration Reason: Baseline event

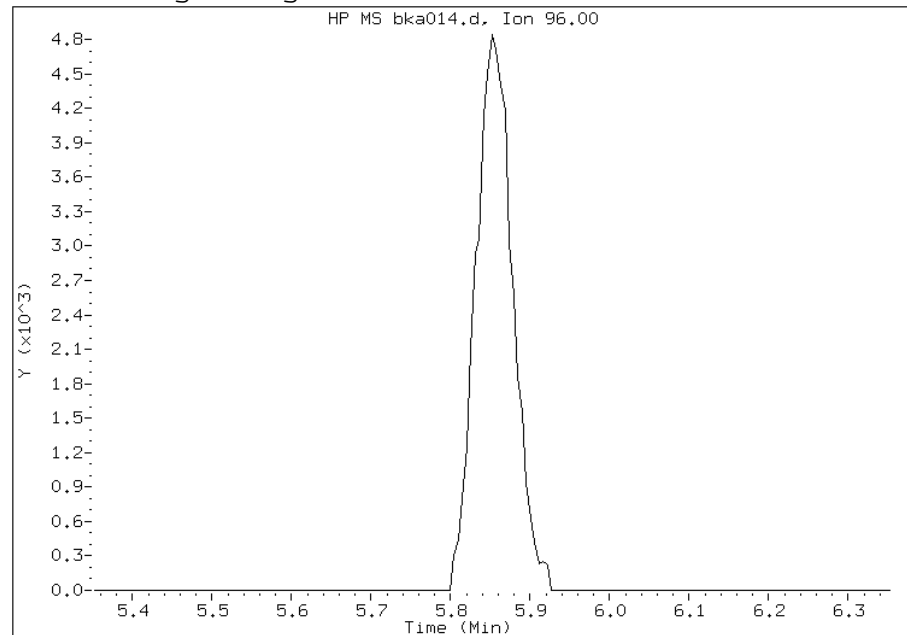
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 04/20/2011

Not Detected

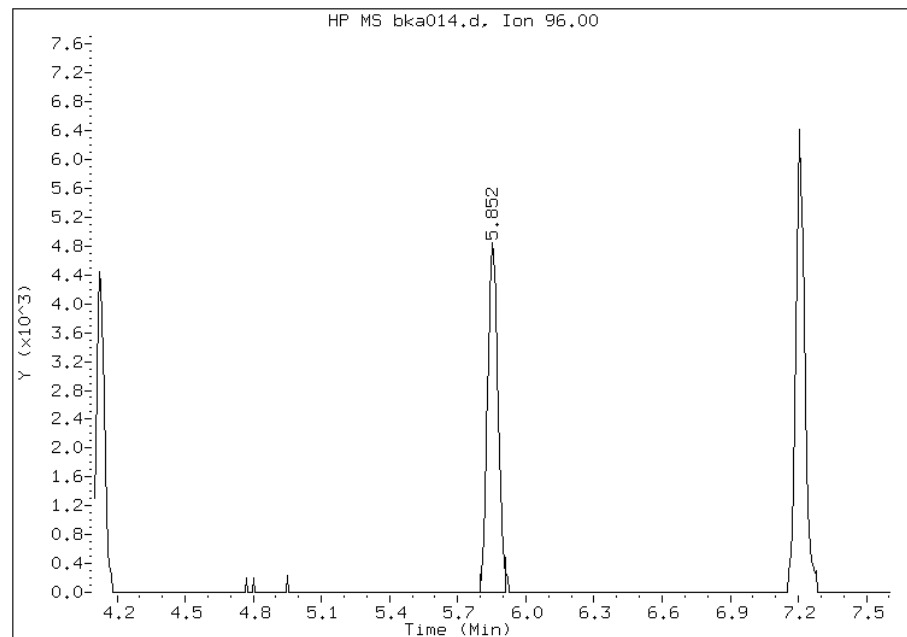
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.85
Response: 15651
Amount: 0.216330
Conc: 0.216330



File Uploaded By: pd
Manual Integration Reason: Baseline event

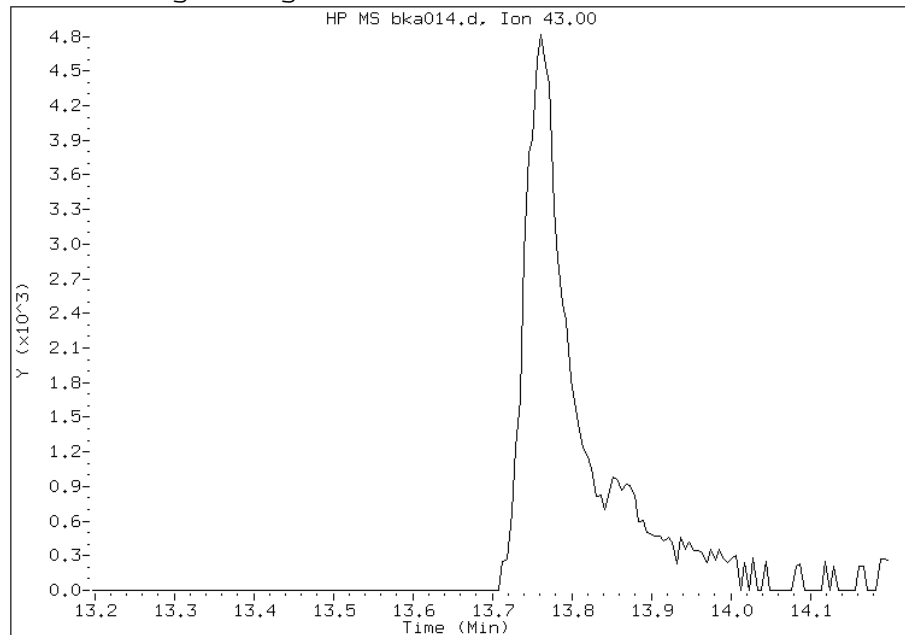
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 62 2-Hexanone
CAS #: 591-78-6
Report Date: 04/20/2011

Processing Integration Results

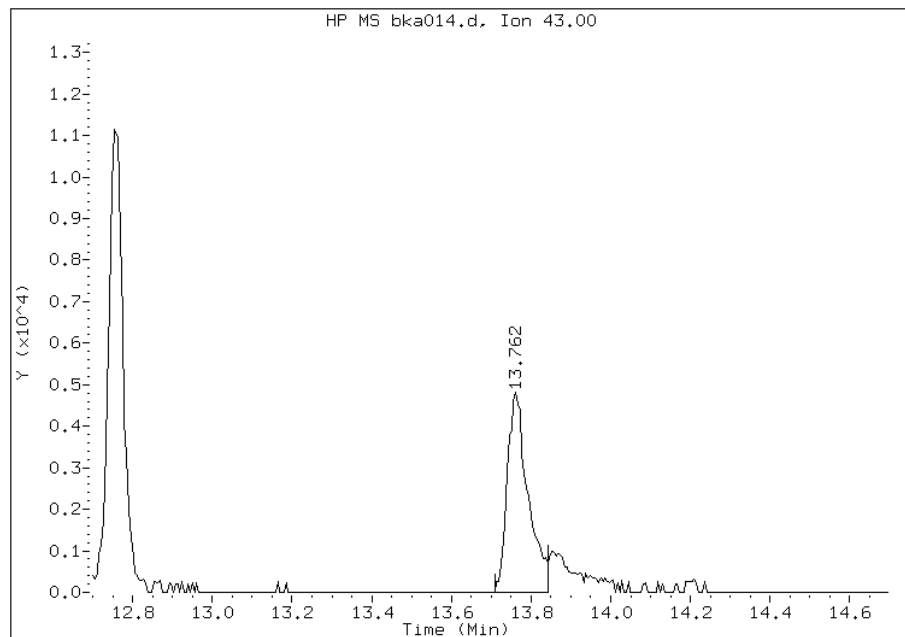
Not Detected

Expected RT: 13.70



Manual Integration Results

RT: 13.76
Response: 17520
Amount: 0.141800
Conc: 0.141800



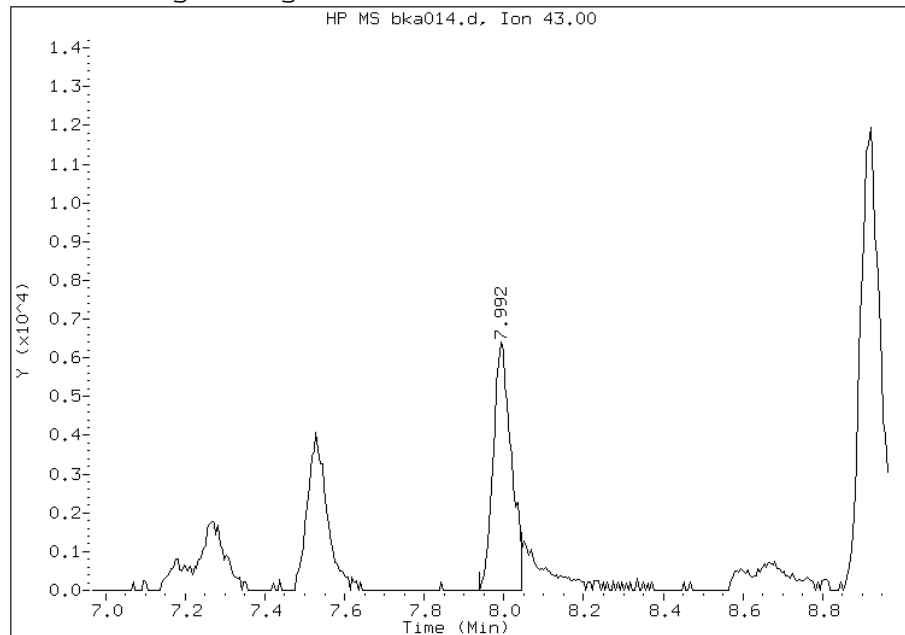
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 32 Vinyl acetate
CAS #: 108-05-4
Report Date: 04/20/2011

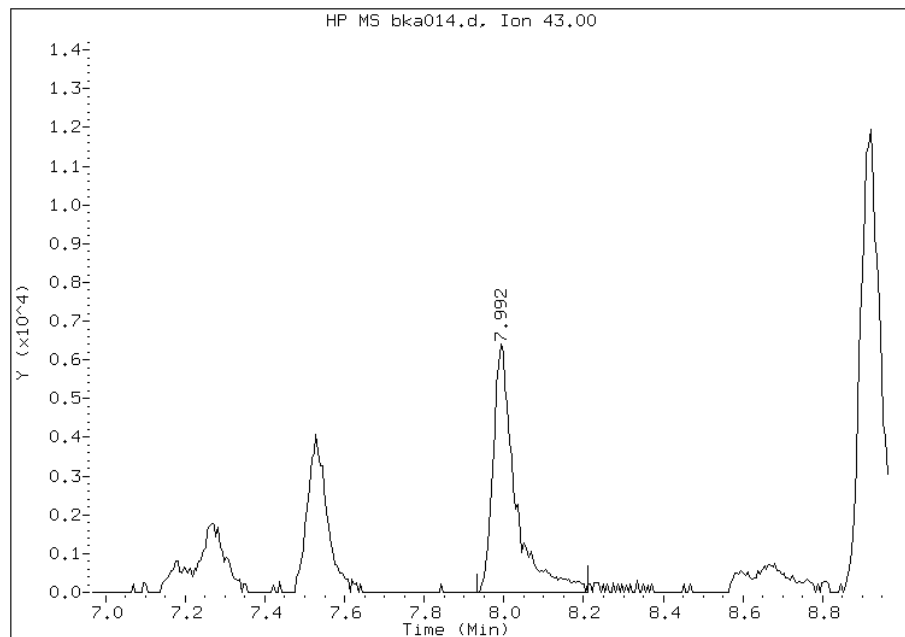
Processing Integration Results

RT: 7.99
Response: 20190
Amount: 0.145989
Conc: 0.145989



Manual Integration Results

RT: 7.99
Response: 24878
Amount: 0.179887
Conc: 0.179887



File Uploaded By: pd
Manual Integration Reason: Baseline event

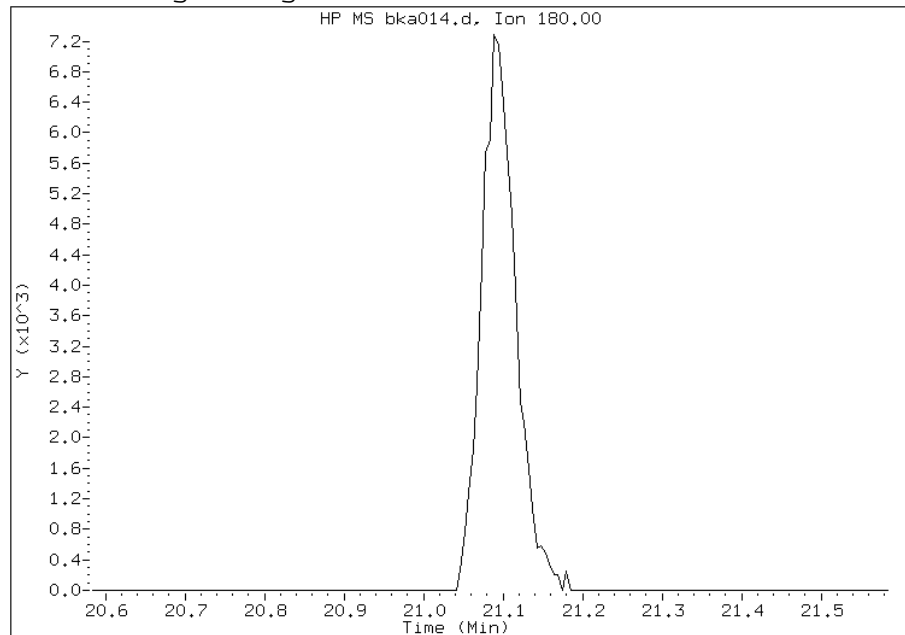
Manual Integration Report

Data File: bka014.d
Lab Sample ID: ic 132521
Inj. Date and Time: 20-APR-2011 08:43
Instrument ID: B.i
Client ID: ic 132521
Compound: 97 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 04/20/2011

Processing Integration Results

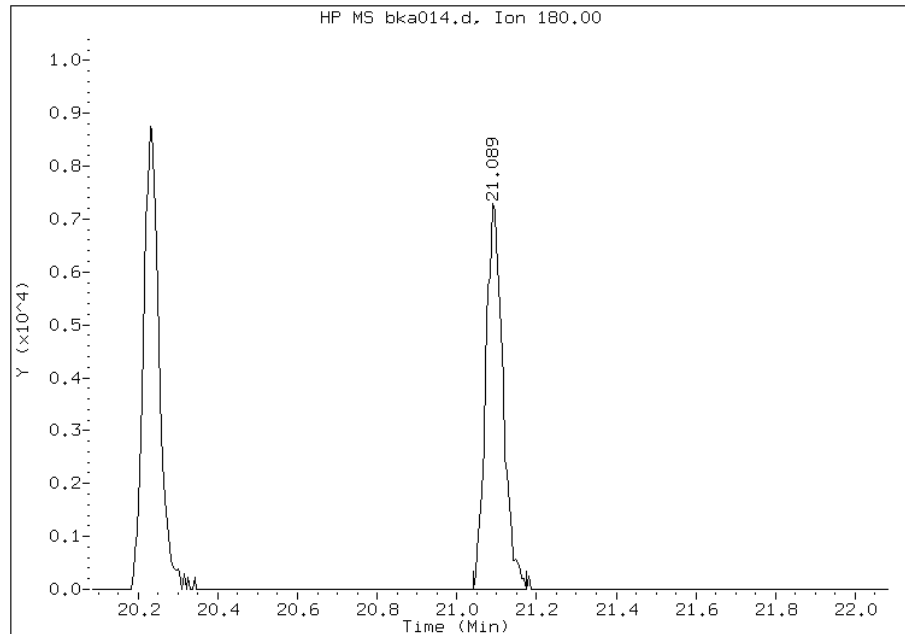
Not Detected

Expected RT: 21.08



Manual Integration Results

RT: 21.09
Response: 21804
Amount: 0.134025
Conc: 0.134025



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1

SDG No.: 200-5005

Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2331	0.1973		8.46	10.0	-15.4	30.0
Dichlorodifluoromethane	Ave	1.431	1.322		9.24	10.0	-7.6	30.0
Freon 22	Ave	0.5941	0.5298		8.92	10.0	-10.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.387	1.283		9.25	10.0	-7.5	30.0
Chloromethane	Ave	0.2978	0.2639		8.86	10.0	-11.4	30.0
n-Butane	Ave	0.5171	0.4435		8.57	10.0	-14.2	30.0
Vinyl chloride	Ave	0.4091	0.3702		9.05	10.0	-9.5	30.0
1,3-Butadiene	Ave	0.2973	0.2734		9.19	10.0	-8.1	30.0
Bromomethane	Ave	0.7386	0.6607		8.94	10.0	-10.5	30.0
Chloroethane	Ave	0.3564	0.3213		9.01	10.0	-9.8	30.0
Isopentane	Ave	0.6819	0.5785		8.48	10.0	-15.2	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9762	0.9487		9.72	10.0	-2.8	30.0
Trichlorofluoromethane	Ave	2.400	2.300		9.58	10.0	-4.2	30.0
n-Pentane	Ave	1.095	0.9464		8.64	10.0	-13.6	30.0
Ethanol	Ave	0.2702	0.2447		13.6	15.0	-9.4	30.0
Ethyl ether	Ave	0.6026	0.5531		9.18	10.0	-8.2	30.0
Acrolein	Ave	0.3155	0.2628		8.33	10.0	-16.7	30.0
Freon TF	Ave	1.945	2.074		10.7	10.0	6.6	30.0
1,1-Dichloroethene	Ave	0.9344	1.009		10.8	10.0	8.0	30.0
Acetone	Ave	0.9915	0.9478		9.56	10.0	-4.4	30.0
Carbon disulfide	Ave	2.620	2.594		9.90	10.0	-1.0	30.0
Isopropyl alcohol	Ave	0.8056	0.7123		8.84	10.0	-11.6	30.0
3-Chloropropene	Ave	0.8674	0.7902		9.11	10.0	-8.9	30.0
Acetonitrile	Ave	0.5188	0.4963		9.57	10.0	-4.3	30.0
Methylene Chloride	Ave	0.8093	0.7949		9.82	10.0	-1.8	30.0
tert-Butyl alcohol	Ave	1.308	1.172		8.96	10.0	-10.4	30.0
Methyl tert-butyl ether	Ave	2.508	2.457		9.79	10.0	-2.1	30.0
trans-1,2-Dichloroethene	Ave	1.205	1.151		9.55	10.0	-4.5	30.0
Acrylonitrile	Ave	0.5756	0.5492		9.54	10.0	-4.6	30.0
n-Hexane	Ave	1.323	1.240		9.38	10.0	-6.2	30.0
1,1-Dichloroethane	Ave	1.520	1.460		9.60	10.0	-4.0	30.0
Vinyl acetate	Ave	1.786	1.668		9.33	10.0	-6.6	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.082		10.2	10.0	2.4	30.0
Methyl Ethyl Ketone	Ave	0.4507	0.4467		9.91	10.0	-0.9	30.0
Ethyl acetate	Ave	0.0900	0.0903		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1605	0.1528		9.52	10.0	-4.8	30.0
Chloroform	Ave	1.912	1.861		9.73	10.0	-2.7	30.0
1,1,1-Trichloroethane	Ave	0.4243	0.4184		9.86	10.0	-1.4	30.0
Cyclohexane	Ave	0.2915	0.2905		9.96	10.0	-0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1

SDG No.: 200-5005

Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4682	0.4614		9.85	10.0	-1.5	30.0
2,2,4-Trimethylpentane	Ave	0.8271	0.8032		9.71	10.0	-2.9	30.0
Benzene	Ave	0.6091	0.5994		9.84	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.2353	0.2273		9.66	10.0	-3.4	30.0
n-Heptane	Ave	0.2780	0.2573		9.25	10.0	-7.5	30.0
n-Butanol	Ave	0.0903	0.0754		8.35	10.0	-16.5	30.0
Trichloroethene	Ave	0.2862	0.2828		9.88	10.0	-1.2	30.0
1,2-Dichloropropane	Ave	0.2015	0.1915		9.50	10.0	-5.0	30.0
Methyl methacrylate	Ave	0.2099	0.2067		9.85	10.0	-1.5	30.0
1,4-Dioxane	Ave	0.0934	0.0832		8.91	10.0	-10.9	30.0
Dibromomethane	Ave	0.2655	0.2760		10.4	10.0	4.0	30.0
Bromodichloromethane	Ave	0.4324	0.4387		10.1	10.0	1.5	30.0
cis-1,3-Dichloropropene	Ave	0.3345	0.3263		9.75	10.0	-2.5	30.0
methyl isobutyl ketone	Ave	0.3442	0.3231		9.38	10.0	-6.1	30.0
Toluene	Ave	0.5245	0.5113		9.75	10.0	-2.5	30.0
n-Octane	Ave	0.3680	0.3365		9.14	10.0	-8.6	30.0
trans-1,3-Dichloropropene	Ave	0.3432	0.3349		9.75	10.0	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.2404	0.2269		9.44	10.0	-5.6	30.0
Tetrachloroethene	Ave	0.4633	0.4648		10.0	10.0	0.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3625	0.3381		9.32	10.0	-6.7	30.0
Dibromochloromethane	Ave	0.5400	0.5711		10.6	10.0	5.8	30.0
1,2-Dibromoethane	Ave	0.4856	0.4772		9.83	10.0	-1.7	30.0
Chlorobenzene	Ave	0.7869	0.7575		9.62	10.0	-3.7	30.0
Ethylbenzene	Ave	1.133	1.112		9.82	10.0	-1.8	30.0
n-Nonane	Ave	0.4348	0.4169		9.59	10.0	-4.1	30.0
m,p-Xylene	Ave	0.4744	0.4755		20.0	20.0	0.2	30.0
Xylene, o-	Ave	0.4741	0.4655		9.81	10.0	-1.8	30.0
Styrene	Ave	0.7215	0.7387		10.2	10.0	2.4	30.0
Bromoform	Ave	0.5086	0.5702		11.2	10.0	12.1	30.0
Cumene	Ave	1.332	1.355		10.2	10.0	1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6205	0.5901		9.51	10.0	-4.9	30.0
n-Propylbenzene	Ave	1.466	1.502		10.2	10.0	2.5	30.0
1,2,3-Trichloropropane	Ave	0.4484	0.4416		9.85	10.0	-1.5	30.0
n-Decane	Ave	0.5373	0.5200		9.68	10.0	-3.2	30.0
4-Ethyltoluene	Ave	1.354	1.398		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	1.168	1.173		10.0	10.0	0.5	30.0
1,3,5-Trimethylbenzene	Ave	1.135	1.134		9.99	10.0	-0.0	30.0
Alpha Methyl Styrene	Ave	0.6037	0.6484		10.7	10.0	7.4	30.0
tert-Butylbenzene	Ave	1.130	1.159		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab Sample ID: ICV 200-16751/16 Calibration Date: 04/20/2011 10:27
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bka016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.129	1.112		9.85	10.0	-1.5	30.0
sec-Butylbenzene	Ave	1.633	1.663		10.2	10.0	1.8	30.0
4-Isopropyltoluene	Ave	1.423	1.480		10.4	10.0	4.0	30.0
1,3-Dichlorobenzene	Ave	0.8316	0.8396		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	0.8368	0.8530		10.2	10.0	1.9	30.0
Benzyl chloride	Ave	0.9425	0.9602		10.2	10.0	1.9	30.0
n-Undecane	Ave	0.5067	0.5302		10.5	10.0	4.6	30.0
n-Butylbenzene	Ave	1.124	1.170		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	0.7957	0.7704		9.68	10.0	-3.2	30.0
n-Dodecane	Ave	0.4886	0.4604		9.42	10.0	-5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5921	0.5935		10.0	10.0	0.2	30.0
Hexachlorobutadiene	Ave	0.3836	0.3837		10.0	10.0	0.0	30.0
Naphthalene	Ave	1.308	1.351		10.3	10.0	3.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.5300		11.1	10.0	11.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka016.d
Lab Smp Id: icv 133740 Client Smp ID: icv 133740
Inj Date : 20-APR-2011 10:27
Operator : wrd Inst ID: B.i
Smp Info : icv 133740
Misc Info : 200,1, icv
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/to15v5.m
Meth Date : 20-Apr-2011 10:08 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	153498	8.46262	8.5	
2 Dichlorodifluoromethane	85	3.035	3.040	(0.330)	1028670	9.24172	9.2	
3 Chlorodifluoromethane	51	3.067	3.072	(0.333)	412128	8.91638	8.9	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.221	3.232	(0.350)	998052	9.25207	9.3	
5 Chloromethane	50	3.333	3.339	(0.362)	205246	8.85936	8.9	
6 Butane	43	3.478	3.488	(0.378)	345001	8.57487	8.6	
7 Vinyl chloride	62	3.510	3.520	(0.382)	287997	9.04780	9.0	
8 1,3-Butadiene	54	3.563	3.574	(0.387)	212629	9.19137	9.2	
9 Bromomethane	94	4.118	4.129	(0.448)	513956	8.94357	8.9	
10 Chloroethane	64	4.321	4.326	(0.470)	249895	9.01345	9.0	
11 2-Methylbutane	43	4.395	4.401	(0.478)	449989	8.48217	8.5	
12 Vinyl bromide	106	4.700	4.705	(0.511)	737930	9.71582	9.7	
13 Trichlorofluoromethane	101	4.790	4.801	(0.521)	1788860	9.57959	9.6	
14 Pentane	43	4.918	4.924	(0.535)	736149	8.64245	8.6	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.292	5.308	(0.575)	286295	13.6202	14
16 Ethyl ether	59	5.404	5.415	(0.587)	430246	9.17636	9.2
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	1613058	10.6607	11
18 Acrolein	56	5.746	5.756	(0.625)	204390	8.32594	8.3
19 1,1-Dichloroethene	96	5.847	5.852	(0.636)	784741	10.7951	11
20 Acetone	43	6.034	6.045	(0.656)	737258	9.55696	9.6
21 Carbon disulfide	76	6.258	6.269	(0.680)	2018109	9.89862	9.9
22 Isopropanol	45	6.306	6.322	(0.686)	554096	8.84051	8.8
23 Allyl chloride	41	6.536	6.541	(0.710)	614689	9.10835	9.1
24 Acetonitrile	41	6.621	6.626	(0.720)	386079	9.56533	9.6
25 Methylene chloride	49	6.797	6.802	(0.739)	618355	9.82058	9.8
26 Tert-butyl alcohol	59	7.011	7.037	(0.762)	911755	8.95743	9.0
27 Methyl tert-butyl ether	73	7.176	7.187	(0.780)	1911033	9.79282	9.8
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	894930	9.54673	9.5
29 Acrylonitrile	53	7.283	7.288	(0.792)	427174	9.53827	9.5
30 n-Hexane	57	7.528	7.528	(0.818)	964918	9.37689	9.4
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1135358	9.60246	9.6
32 Vinyl acetate	43	7.961	7.966	(0.865)	1297166	9.33479	9.3
M 33 1,2-Dichloroethene,Total	61				1736306	19.7824	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	841376	10.2357	10
35 Ethyl acetate	88	8.878	8.878	(0.965)	70234	10.0352	10
36 Methyl Ethyl Ketone	72	8.846	8.857	(0.962)	347436	9.90754	9.9(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	778014	10.0000	
38 Tetrahydrofuran	42	9.241	9.252	(0.871)	570162	9.51636	9.5
39 Chloroform	83	9.279	9.284	(1.009)	1447429	9.72907	9.7
40 Cyclohexane	84	9.535	9.535	(0.899)	1084319	9.96363	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	1561721	9.86017	9.9
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	1721845	9.85183	9.9
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	2997762	9.70951	9.7
44 Benzene	78	10.053	10.053	(0.948)	2237210	9.83859	9.8
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	848358	9.65723	9.7
46 n-Heptane	43	10.282	10.282	(0.969)	960255	9.25201	9.3
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	3732948	10.0000	
48 n-Butanol	56	10.885	10.906	(1.026)	281413	8.34898	8.3
49 Trichloroethene	95	10.971	10.971	(1.034)	1055626	9.87957	9.9
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	714662	9.49919	9.5
51 Methyl methacrylate	69	11.408	11.408	(1.075)	771597	9.84967	9.8
52 Dibromomethane	174	11.520	11.520	(1.086)	1030258	10.3951	10
53 1,4-Dioxane	88	11.515	11.520	(1.086)	310531	8.90736	8.9
54 Bromodichloromethane	83	11.702	11.702	(1.103)	1637464	10.1451	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1217637	9.75255	9.8
56 Methyl isobutyl ketone	43	12.508	12.518	(1.179)	1205677	9.38320	9.4
57 n-Octane	43	12.758	12.758	(1.203)	1255849	9.14223	9.1
58 Toluene	92	12.748	12.748	(0.865)	1746217	9.74755	9.7
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1249743	9.75448	9.8
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	774888	9.43591	9.4
61 Tetrachloroethene	166	13.522	13.516	(0.917)	1587205	10.0297	10

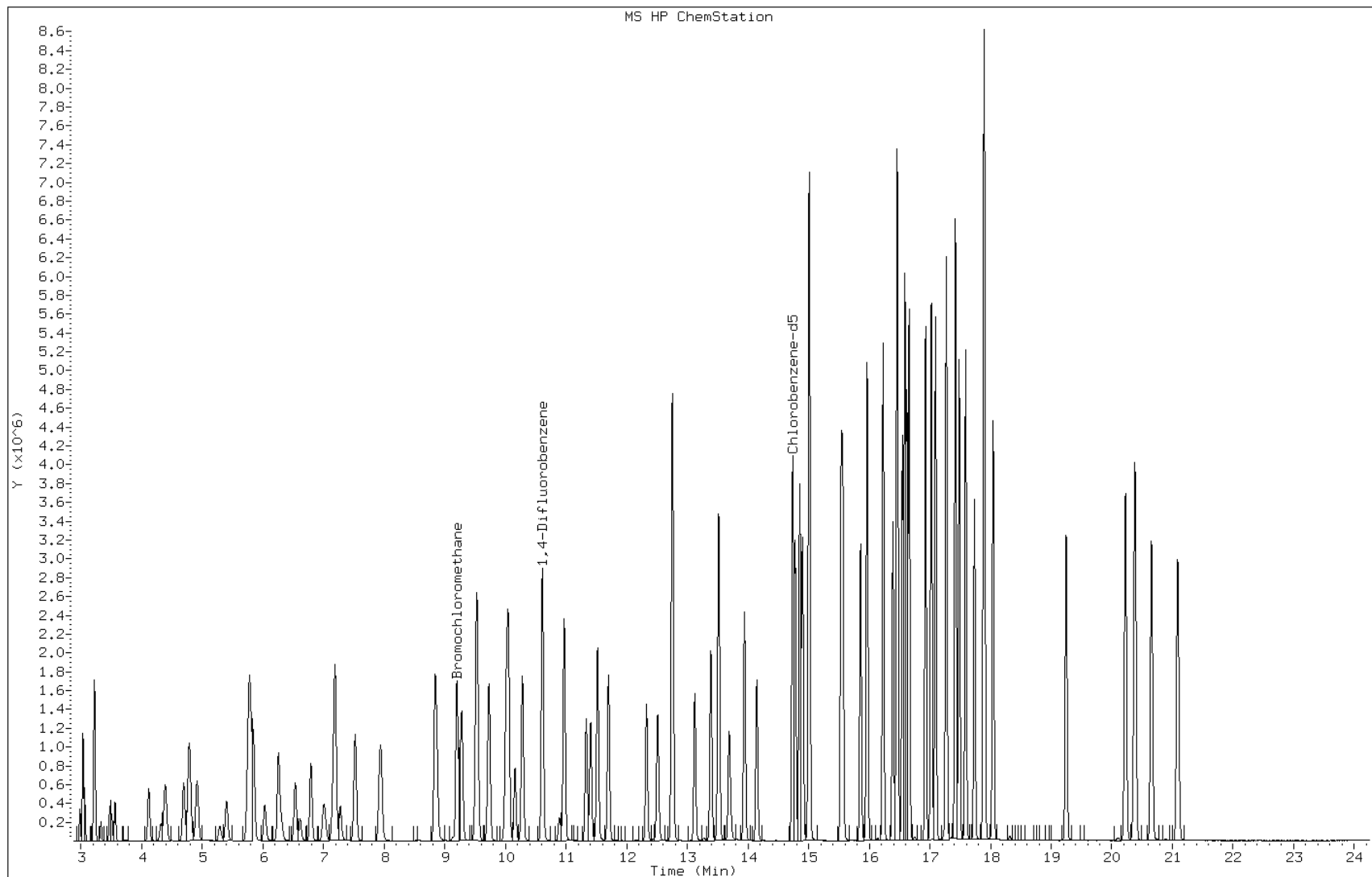
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1154595	9.32422	9.3
63 Dibromochloromethane	129	13.943	13.943	(0.946)	1950373	10.5731	11
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	1629836	9.82684	9.8
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	3415798	10.0000	
66 Chlorobenzene	112	14.781	14.776	(1.003)	2587069	9.62477	9.6
67 n-Nonane	57	14.904	14.899	(1.011)	1423694	9.58667	9.6
68 Ethylbenzene	91	14.856	14.856	(1.008)	3797686	9.81561	9.8
69 Xylene (m,p)	106	15.011	15.011	(1.018)	3247755	20.0423	20
M 70 Xylenes, Total	106				4837357	29.8572	30
71 Xylene (o)	106	15.539	15.539	(1.054)	1589602	9.81487	9.8
72 Styrene	104	15.566	15.566	(1.056)	2522667	10.2356	10
73 Bromoform	173	15.859	15.859	(1.076)	1947193	11.2077	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	4627810	10.1701	10
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2015193	9.50846	9.5
76 n-Propylbenzene	91	16.457	16.457	(1.117)	5129287	10.2454	10
77 1,2,3-Trichloropropane	75	16.473	16.468	(1.118)	1508184	9.84689	9.8
78 n-Decane	57	16.548	16.548	(1.123)	1776011	9.67634	9.7
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	4774750	10.3226	10
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	4007428	10.0444	10
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	3872400	9.98939	10
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	2214239	10.7380	11
83 tert-butylbenzene	119	17.028	17.023	(1.155)	3958617	10.2568	10
84 1,2,4-Trimethylbenzene	105	17.097	17.097	(1.160)	3796721	9.84707	9.8
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	5680497	10.1827	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	5054356	10.3968	10
87 1,3-Dichlorobenzene	146	17.487	17.487	(1.186)	2867191	10.0942	10
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	2913081	10.1919	10
89 Benzyl chloride	91	17.738	17.738	(1.204)	3279113	10.1854	10
90 Undecane	57	17.887	17.887	(1.214)	1810527	10.4608	10
91 n-Butylbenzene	91	17.903	17.903	(1.215)	3995995	10.4043	10
92 1,2-Dichlorobenzene	146	18.047	18.042	(1.224)	2631034	9.68079	9.7
93 Dodecane	57	19.243	19.243	(1.306)	1572194	9.42041	9.4
94 1,2,4-Trichlorobenzene	180	20.225	20.219	(1.372)	2026924	10.0220	10
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1310503	10.0012	10
96 Naphthalene	128	20.652	20.652	(1.401)	4612778	10.3265	10
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	1809912	11.1007	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bka016.d
Client ID: icv 133740
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 133740
Lab Sample ID: icv 133740

Date: 20-APR-2011 10:27
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1

SDG No.: 200-5005

Lab Sample ID: CCVIS 200-17603/2 Calibration Date: 05/05/2011 10:47

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bkaj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2331	0.1892		8.11	10.0	-18.8	30.0
Dichlorodifluoromethane	Ave	1.431	1.480		10.3	10.0	3.5	30.0
Freon 22	Ave	0.5941	0.5335		8.98	10.0	-10.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.387	1.402		10.1	10.0	1.1	30.0
Chloromethane	Ave	0.2978	0.2561		8.60	10.0	-14.0	30.0
n-Butane	Ave	0.5171	0.4333		8.38	10.0	-16.2	30.0
Vinyl chloride	Ave	0.4091	0.3802		9.29	10.0	-7.1	30.0
1,3-Butadiene	Ave	0.2973	0.2616		8.80	10.0	-12.0	30.0
Bromomethane	Ave	0.7386	0.7146		9.67	10.0	-3.2	30.0
Chloroethane	Ave	0.3564	0.3170		8.89	10.0	-11.0	30.0
Isopentane	Ave	0.6819	0.5449		7.99	10.0	-20.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9762	0.9772		10.0	10.0	0.1	30.0
Trichlorofluoromethane	Ave	2.400	2.505		10.4	10.0	4.4	30.0
n-Pentane	Ave	1.095	0.9202		8.40	10.0	-16.0	30.0
Ethanol	Ave	0.2702	0.2519		14.0	15.0	-6.8	30.0
Ethyl ether	Ave	0.6026	0.5822		9.66	10.0	-3.4	30.0
Acrolein	Ave	0.3155	0.2964		9.39	10.0	-6.0	30.0
Freon TF	Ave	1.945	1.969		10.1	10.0	1.3	30.0
1,1-Dichloroethene	Ave	0.9344	0.9271		9.92	10.0	-0.8	30.0
Acetone	Ave	0.9915	0.9084		9.16	10.0	-8.4	30.0
Carbon disulfide	Ave	2.620	2.620		9.99	10.0	-0.0	30.0
Isopropyl alcohol	Ave	0.8056	0.7048		8.75	10.0	-12.5	30.0
3-Chloropropene	Ave	0.8674	0.7441		8.58	10.0	-14.2	30.0
Acetonitrile	Ave	0.5188	0.4755		9.16	10.0	-8.3	30.0
Methylene Chloride	Ave	0.8093	0.7161		8.85	10.0	-11.5	30.0
tert-Butyl alcohol	Ave	1.308	1.218		9.31	10.0	-6.9	30.0
Methyl tert-butyl ether	Ave	2.508	2.469		9.84	10.0	-1.6	30.0
trans-1,2-Dichloroethene	Ave	1.205	1.143		9.48	10.0	-5.2	30.0
Acrylonitrile	Ave	0.5756	0.5309		9.22	10.0	-7.8	30.0
n-Hexane	Ave	1.323	1.220		9.22	10.0	-7.8	30.0
1,1-Dichloroethane	Ave	1.520	1.447		9.52	10.0	-4.8	30.0
Vinyl acetate	Ave	1.786	1.616		9.05	10.0	-9.5	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.068		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4507	0.4402		9.76	10.0	-2.3	30.0
Ethyl acetate	Ave	0.0900	0.0898		9.98	10.0	-0.2	30.0
Tetrahydrofuran	Ave	0.1605	0.1459		9.09	10.0	-9.1	30.0
Chloroform	Ave	1.912	1.932		10.1	10.0	1.0	30.0
1,1,1-Trichloroethane	Ave	0.4243	0.4455		10.5	10.0	5.0	30.0
Cyclohexane	Ave	0.2915	0.2818		9.66	10.0	-3.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab Sample ID: CCVIS 200-17603/2 Calibration Date: 05/05/2011 10:47
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bkaj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4682	0.4816		10.3	10.0	2.9	30.0
2,2,4-Trimethylpentane	Ave	0.8271	0.7762		9.38	10.0	-6.2	30.0
Benzene	Ave	0.6091	0.6045		9.92	10.0	-0.8	30.0
1,2-Dichloroethane	Ave	0.2353	0.2261		9.60	10.0	-3.9	30.0
n-Heptane	Ave	0.2780	0.2432		8.75	10.0	-12.5	30.0
n-Butanol	Ave	0.0903	0.0792		8.77	10.0	-12.3	30.0
Trichloroethene	Ave	0.2862	0.2911		10.2	10.0	1.7	30.0
1,2-Dichloropropane	Ave	0.2015	0.1927		9.56	10.0	-4.4	30.0
Methyl methacrylate	Ave	0.2099	0.2049		9.76	10.0	-2.4	30.0
1,4-Dioxane	Ave	0.0934	0.0905		9.69	10.0	-3.1	30.0
Dibromomethane	Ave	0.2655	0.2840		10.7	10.0	7.0	30.0
Bromodichloromethane	Ave	0.4324	0.4467		10.3	10.0	3.3	30.0
cis-1,3-Dichloropropene	Ave	0.3345	0.3313		9.90	10.0	-1.0	30.0
methyl isobutyl ketone	Ave	0.3442	0.3049		8.86	10.0	-11.4	30.0
Toluene	Ave	0.5245	0.5183		9.88	10.0	-1.2	30.0
n-Octane	Ave	0.3680	0.3260		8.86	10.0	-11.4	30.0
trans-1,3-Dichloropropene	Ave	0.3432	0.3455		10.1	10.0	0.7	30.0
1,1,2-Trichloroethane	Ave	0.2404	0.2368		9.85	10.0	-1.5	30.0
Tetrachloroethene	Ave	0.4633	0.4762		10.3	10.0	2.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3625	0.3117		8.60	10.0	-14.0	30.0
Dibromochloromethane	Ave	0.5400	0.5535		10.2	10.0	2.5	30.0
1,2-Dibromoethane	Ave	0.4856	0.4919		10.1	10.0	1.3	30.0
Chlorobenzene	Ave	0.7869	0.7565		9.61	10.0	-3.9	30.0
Ethylbenzene	Ave	1.133	1.122		9.91	10.0	-0.9	30.0
n-Nonane	Ave	0.4348	0.3985		9.16	10.0	-8.3	30.0
m,p-Xylene	Ave	0.4744	0.4800		20.2	20.0	1.2	30.0
Xylene, o-	Ave	0.4741	0.4705		9.92	10.0	-0.8	30.0
Styrene	Ave	0.7215	0.7438		10.3	10.0	3.1	30.0
Bromoform	Ave	0.5086	0.5630		11.1	10.0	10.7	30.0
Cumene	Ave	1.332	1.341		10.1	10.0	0.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6205	0.6163		9.93	10.0	-0.7	30.0
n-Propylbenzene	Ave	1.466	1.520		10.4	10.0	3.7	30.0
1,2,3-Trichloropropane	Ave	0.4484	0.4450		9.92	10.0	-0.8	30.0
n-Decane	Ave	0.5373	0.4966		9.24	10.0	-7.6	30.0
4-Ethyltoluene	Ave	1.354	1.394		10.3	10.0	2.9	30.0
2-Chlorotoluene	Ave	1.168	1.177		10.1	10.0	0.8	30.0
1,3,5-Trimethylbenzene	Ave	1.135	1.147		10.1	10.0	1.1	30.0
Alpha Methyl Styrene	Ave	0.6037	0.6265		10.4	10.0	3.8	30.0
tert-Butylbenzene	Ave	1.130	1.122		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab Sample ID: CCVIS 200-17603/2 Calibration Date: 05/05/2011 10:47
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bkaj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.129	1.144		10.1	10.0	1.3	30.0
sec-Butylbenzene	Ave	1.633	1.646		10.1	10.0	0.8	30.0
4-Isopropyltoluene	Ave	1.423	1.438		10.1	10.0	1.1	30.0
1,3-Dichlorobenzene	Ave	0.8316	0.8675		10.4	10.0	4.3	30.0
1,4-Dichlorobenzene	Ave	0.8368	0.8660		10.3	10.0	3.5	30.0
Benzyl chloride	Ave	0.9425	0.9921		10.5	10.0	5.3	30.0
n-Undecane	Ave	0.5067	0.5006		9.88	10.0	-1.2	30.0
n-Butylbenzene	Ave	1.124	1.183		10.5	10.0	5.2	30.0
1,2-Dichlorobenzene	Ave	0.7957	0.8150		10.2	10.0	2.4	30.0
n-Dodecane	Ave	0.4886	0.4425		9.05	10.0	-9.4	30.0
1,2,4-Trichlorobenzene	Ave	0.5921	0.5946		10.0	10.0	0.4	30.0
Hexachlorobutadiene	Ave	0.3836	0.4148		10.8	10.0	8.1	30.0
Naphthalene	Ave	1.308	1.226		9.37	10.0	-6.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.4961		10.4	10.0	3.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkajto15.b/bkaj002.d
Lab Smp Id: ccvis 132424 Client Smp ID: ccvis 132424
Inj Date : 05-MAY-2011 10:47
Operator : pad Inst ID: B.i
Smp Info : ccvis 132424
Misc Info : 200,1, ccvis
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.986	2.992	(0.325)	187666	10.0000	8.1	
2 Dichlorodifluoromethane	85	3.034	3.040	(0.330)	1468164	10.0000	10	
3 Chlorodifluoromethane	51	3.066	3.072	(0.333)	529115	10.0000	9.0	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1389977	10.0000	10	
5 Chloromethane	50	3.333	3.339	(0.362)	253965	10.0000	8.6	
6 Butane	43	3.477	3.488	(0.378)	429713	10.0000	8.4	
7 Vinyl chloride	62	3.509	3.520	(0.382)	377043	10.0000	9.3	
8 1,3-Butadiene	54	3.568	3.574	(0.388)	259485	10.0000	8.8	
9 Bromomethane	94	4.123	4.129	(0.448)	708749	10.0000	9.7	
10 Chloroethane	64	4.321	4.326	(0.470)	314399	10.0000	8.9	
11 2-Methylbutane	43	4.395	4.401	(0.478)	540418	10.0000	8.0	
12 Vinyl bromide	106	4.694	4.705	(0.510)	969182	10.0000	10	
13 Trichlorofluoromethane	101	4.790	4.801	(0.521)	2484064	10.0000	10	
14 Pentane	43	4.918	4.924	(0.535)	912582	10.0000	8.4	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.292	5.308	(0.575)	374828	15.0000	14
16 Ethyl ether	59	5.404	5.415	(0.587)	577382	10.0000	9.7
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.783	5.788	(0.629)	1953078	10.0000	10
18 Acrolein	56	5.751	5.756	(0.625)	293997	10.0000	9.4
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	919410	10.0000	9.9
20 Acetone	43	6.034	6.045	(0.656)	900954	10.0000	9.2
21 Carbon disulfide	76	6.258	6.269	(0.680)	2597940	10.0000	10
22 Isopropanol	45	6.306	6.322	(0.686)	698979	10.0000	8.7
23 Allyl chloride	41	6.535	6.541	(0.710)	737959	10.0000	8.6
24 Acetonitrile	41	6.615	6.626	(0.719)	471586	10.0000	9.2
25 Methylene chloride	49	6.797	6.802	(0.739)	710205	10.0000	8.8
26 Tert-butyl alcohol	59	7.016	7.037	(0.763)	1207711	10.0000	9.3
27 Methyl tert-butyl ether	73	7.176	7.187	(0.780)	2448343	10.0000	9.8
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	1133193	10.0000	9.5
29 Acrylonitrile	53	7.283	7.288	(0.792)	526552	10.0000	9.2
30 n-Hexane	57	7.523	7.528	(0.818)	1209854	10.0000	9.2
31 1,1-Dichloroethane	63	7.928	7.934	(0.862)	1434588	10.0000	9.5
32 Vinyl acetate	43	7.960	7.966	(0.865)	1603123	10.0000	9.0
M 33 1,2-Dichloroethene,Total	61				2192754	20.0000	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	1059561	10.0000	10
35 Ethyl acetate	88	8.873	8.878	(0.965)	89062	10.0000	10
36 Methyl Ethyl Ketone	72	8.846	8.857	(0.962)	436551	10.0000	9.8(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	991953	10.0000	
38 Tetrahydrofuran	42	9.241	9.252	(0.871)	696779	10.0000	9.1
39 Chloroform	83	9.279	9.284	(1.009)	1915601	10.0000	10
40 Cyclohexane	84	9.529	9.535	(0.898)	1345279	10.0000	9.7
41 1,1,1-Trichloroethane	97	9.519	9.524	(0.897)	2127182	10.0000	10
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	2299218	10.0000	10
43 2,2,4-Trimethylpentane	57	10.015	10.021	(0.944)	3705947	10.0000	9.4
44 Benzene	78	10.047	10.053	(0.947)	2886353	10.0000	9.9
45 1,2-Dichloroethane	62	10.154	10.159	(0.957)	1079280	10.0000	9.6
46 n-Heptane	43	10.277	10.282	(0.969)	1161314	10.0000	8.7
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)	4775528	10.0000	
48 n-Butanol	56	10.885	10.906	(1.026)	378206	10.0000	8.8
49 Trichloroethene	95	10.965	10.971	(1.034)	1389813	10.0000	10
50 1,2-Dichloropropane	63	11.328	11.333	(1.068)	919844	10.0000	9.6
51 Methyl methacrylate	69	11.403	11.408	(1.075)	978335	10.0000	9.8
52 Dibromomethane	174	11.520	11.520	(1.086)	1355913	10.0000	11
53 1,4-Dioxane	88	11.515	11.520	(1.086)	432002	10.0000	9.7
54 Bromodichloromethane	83	11.696	11.702	(1.103)	2132896	10.0000	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1581577	10.0000	9.9
56 Methyl isobutyl ketone	43	12.507	12.518	(1.179)	1455747	10.0000	8.9
57 n-Octane	43	12.753	12.758	(1.202)	1556473	10.0000	8.9
58 Toluene	92	12.748	12.748	(0.865)	2343515	10.0000	9.9
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1649788	10.0000	10
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1070639	10.0000	9.8
61 Tetrachloroethene	166	13.516	13.516	(0.917)	2153026	10.0000	10

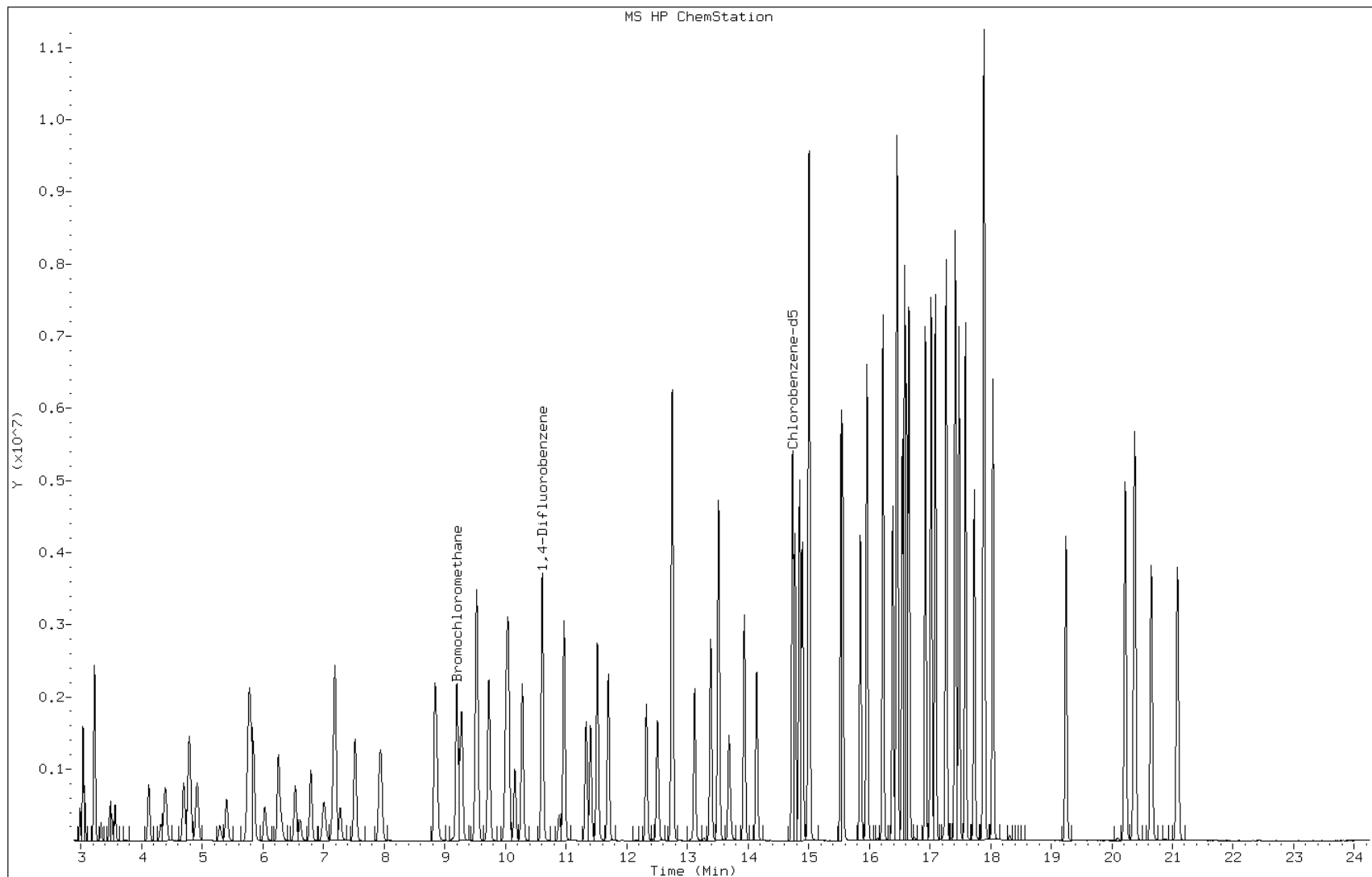
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.687	13.698	(0.929)	1409578	10.0000	8.6
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2502592	10.0000	10
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2224068	10.0000	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	4522495	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	3420576	10.0000	9.6
67 n-Nonane	57	14.898	14.899	(1.011)	1802024	10.0000	9.2
68 Ethylbenzene	91	14.856	14.856	(1.008)	5074432	10.0000	9.9
69 Xylene (m,p)	106	15.010	15.011	(1.018)	4340905	20.0000	20
M 70 Xylenes, Total	106				6468433	10.0000	30
71 Xylene (o)	106	15.539	15.539	(1.054)	2127528	10.0000	9.9
72 Styrene	104	15.565	15.566	(1.056)	3363347	10.0000	10
73 Bromoform	173	15.854	15.859	(1.076)	2545754	10.0000	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	6063632	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	16.387	16.393	(1.112)	2786532	10.0000	9.9
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6870788	10.0000	10
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	2012063	10.0000	9.9
78 n-Decane	57	16.547	16.548	(1.123)	2245266	10.0000	9.2
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	6300882	10.0000	10
80 2-Chlorotoluene	91	16.617	16.622	(1.127)	5322028	10.0000	10
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	5186620	10.0000	10
82 Alpha Methyl Styrene	118	16.926	16.932	(1.148)	2832986	10.0000	10
83 tert-butylbenzene	119	17.022	17.023	(1.155)	5075397	10.0000	9.9
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	5172399	10.0000	10
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	7441751	10.0000	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6503204	10.0000	10
87 1,3-Dichlorobenzene	146	17.481	17.487	(1.186)	3922571	10.0000	10
88 1,4-Dichlorobenzene	146	17.588	17.594	(1.193)	3915798	10.0000	10
89 Benzyl chloride	91	17.732	17.738	(1.203)	4485991	10.0000	11
90 Undecane	57	17.887	17.887	(1.214)	2263588	10.0000	9.9
91 n-Butylbenzene	91	17.898	17.903	(1.214)	5349898	10.0000	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	3685257	10.0000	10
93 Dodecane	57	19.243	19.243	(1.306)	2000595	10.0000	9.1
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2688489	10.0000	10
95 1,3-Hexachlorobutadiene	225	20.374	20.380	(1.382)	1875759	10.0000	11
96 Naphthalene	128	20.652	20.652	(1.401)	5542757	10.0000	9.4
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2243059	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkaj002.d
Client ID: ccvis 132424
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 132424
Lab Sample ID: ccvis 132424

Date: 05-MAY-2011 10:47
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1

SDG No.: 200-5005

Lab Sample ID: CCVIS 200-17703/3 Calibration Date: 05/06/2011 12:42

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bkak003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2331	0.2002		8.58	10.0	-14.1	30.0
Dichlorodifluoromethane	Ave	1.431	1.597		11.2	10.0	11.7	30.0
Freon 22	Ave	0.5941	0.5759		9.69	10.0	-3.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.387	1.510		10.9	10.0	8.9	30.0
Chloromethane	Ave	0.2978	0.2717		9.12	10.0	-8.8	30.0
n-Butane	Ave	0.5171	0.4685		9.06	10.0	-9.4	30.0
Vinyl chloride	Ave	0.4091	0.4157		10.2	10.0	1.6	30.0
1,3-Butadiene	Ave	0.2973	0.2851		9.59	10.0	-4.1	30.0
Bromomethane	Ave	0.7386	0.7968		10.8	10.0	7.9	30.0
Chloroethane	Ave	0.3564	0.3634		10.2	10.0	2.0	30.0
Isopentane	Ave	0.6819	0.6366		9.33	10.0	-6.6	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9762	1.035		10.6	10.0	6.0	30.0
Trichlorofluoromethane	Ave	2.400	2.670		11.1	10.0	11.2	30.0
n-Pentane	Ave	1.095	1.068		9.76	10.0	-2.4	30.0
Ethanol	Ave	0.2702	0.2590		14.4	15.0	-4.1	30.0
Ethyl ether	Ave	0.6026	0.6040		10.0	10.0	0.2	30.0
Acrolein	Ave	0.3155	0.3054		9.68	10.0	-3.2	30.0
Freon TF	Ave	1.945	1.980		10.2	10.0	1.8	30.0
1,1-Dichloroethene	Ave	0.9344	0.9410		10.1	10.0	0.7	30.0
Acetone	Ave	0.9915	0.9814		9.90	10.0	-1.0	30.0
Carbon disulfide	Ave	2.620	2.674		10.2	10.0	2.0	30.0
Isopropyl alcohol	Ave	0.8056	0.7407		9.19	10.0	-8.1	30.0
3-Chloropropene	Ave	0.8674	0.8002		9.22	10.0	-7.7	30.0
Acetonitrile	Ave	0.5188	0.4918		9.48	10.0	-5.2	30.0
Methylene Chloride	Ave	0.8093	0.7623		9.42	10.0	-5.8	30.0
tert-Butyl alcohol	Ave	1.308	1.241		9.48	10.0	-5.2	30.0
Methyl tert-butyl ether	Ave	2.508	2.559		10.2	10.0	2.0	30.0
trans-1,2-Dichloroethene	Ave	1.205	1.197		9.93	10.0	-0.6	30.0
Acrylonitrile	Ave	0.5756	0.5428		9.43	10.0	-5.7	30.0
n-Hexane	Ave	1.323	1.276		9.65	10.0	-3.5	30.0
1,1-Dichloroethane	Ave	1.520	1.505		9.90	10.0	-1.0	30.0
Vinyl acetate	Ave	1.786	1.717		9.61	10.0	-3.9	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.071		10.1	10.0	1.4	30.0
Methyl Ethyl Ketone	Ave	0.4507	0.4502		9.99	10.0	-0.1	30.0
Ethyl acetate	Ave	0.0900	0.0903		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1605	0.1527		9.51	10.0	-4.9	30.0
Chloroform	Ave	1.912	1.993		10.4	10.0	4.2	30.0
1,1,1-Trichloroethane	Ave	0.4243	0.4530		10.7	10.0	6.8	30.0
Cyclohexane	Ave	0.2915	0.2834		9.72	10.0	-2.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1

SDG No.: 200-5005

Lab Sample ID: CCVIS 200-17703/3 Calibration Date: 05/06/2011 12:42

Instrument ID: B.i Calib Start Date: 04/19/2011 13:05

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43

Lab File ID: bkak003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4682	0.4856		10.4	10.0	3.7	30.0
2,2,4-Trimethylpentane	Ave	0.8271	0.8020		9.70	10.0	-3.0	30.0
Benzene	Ave	0.6091	0.6127		10.1	10.0	0.6	30.0
1,2-Dichloroethane	Ave	0.2353	0.2351		9.99	10.0	-0.1	30.0
n-Heptane	Ave	0.2780	0.2556		9.19	10.0	-8.1	30.0
n-Butanol	Ave	0.0903	0.0780		8.64	10.0	-13.6	30.0
Trichloroethene	Ave	0.2862	0.2925		10.2	10.0	2.2	30.0
1,2-Dichloropropane	Ave	0.2015	0.1983		9.84	10.0	-1.6	30.0
Methyl methacrylate	Ave	0.2099	0.2085		9.93	10.0	-0.7	30.0
Dibromomethane	Ave	0.2655	0.2715		10.2	10.0	2.3	30.0
1,4-Dioxane	Ave	0.0934	0.0897		9.60	10.0	-4.0	30.0
Bromodichloromethane	Ave	0.4324	0.4551		10.5	10.0	5.3	30.0
cis-1,3-Dichloropropene	Ave	0.3345	0.3374		10.1	10.0	0.9	30.0
methyl isobutyl ketone	Ave	0.3442	0.3227		9.37	10.0	-6.2	30.0
Toluene	Ave	0.5245	0.5274		10.1	10.0	0.6	30.0
n-Octane	Ave	0.3680	0.3424		9.30	10.0	-7.0	30.0
trans-1,3-Dichloropropene	Ave	0.3432	0.3543		10.3	10.0	3.2	30.0
1,1,2-Trichloroethane	Ave	0.2404	0.2414		10.0	10.0	0.4	30.0
Tetrachloroethene	Ave	0.4633	0.4632		10.0	10.0	-0.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3625	0.3304		9.11	10.0	-8.9	30.0
Dibromochloromethane	Ave	0.5400	0.5560		10.3	10.0	3.0	30.0
1,2-Dibromoethane	Ave	0.4856	0.4936		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7869	0.7553		9.60	10.0	-4.0	30.0
Ethylbenzene	Ave	1.133	1.147		10.1	10.0	1.2	30.0
n-Nonane	Ave	0.4348	0.4177		9.60	10.0	-3.9	30.0
m,p-Xylene	Ave	0.4744	0.4883		20.6	20.0	2.9	30.0
Xylene, o-	Ave	0.4741	0.4735		9.98	10.0	-0.1	30.0
Styrene	Ave	0.7215	0.7491		10.4	10.0	3.8	30.0
Bromoform	Ave	0.5086	0.5597		11.0	10.0	10.0	30.0
Cumene	Ave	1.332	1.361		10.2	10.0	2.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6205	0.6346		10.2	10.0	2.3	30.0
n-Propylbenzene	Ave	1.466	1.567		10.7	10.0	6.9	30.0
1,2,3-Trichloropropane	Ave	0.4484	0.4640		10.3	10.0	3.5	30.0
n-Decane	Ave	0.5373	0.5207		9.69	10.0	-3.1	30.0
4-Ethyltoluene	Ave	1.354	1.416		10.5	10.0	4.5	30.0
2-Chlorotoluene	Ave	1.168	1.203		10.3	10.0	3.0	30.0
1,3,5-Trimethylbenzene	Ave	1.135	1.160		10.2	10.0	2.2	30.0
Alpha Methyl Styrene	Ave	0.6037	0.6281		10.4	10.0	4.1	30.0
tert-Butylbenzene	Ave	1.130	1.128		9.98	10.0	-0.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Lab Sample ID: CCVIS 200-17703/3 Calibration Date: 05/06/2011 12:42
 Instrument ID: B.i Calib Start Date: 04/19/2011 13:05
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/20/2011 08:43
 Lab File ID: bkak003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132424

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.129	1.161		10.3	10.0	2.9	30.0
sec-Butylbenzene	Ave	1.633	1.675		10.3	10.0	2.6	30.0
4-Isopropyltoluene	Ave	1.423	1.452		10.2	10.0	2.0	30.0
1,3-Dichlorobenzene	Ave	0.8316	0.8582		10.3	10.0	3.2	30.0
1,4-Dichlorobenzene	Ave	0.8368	0.8628		10.3	10.0	3.1	30.0
Benzyl chloride	Ave	0.9425	1.012		10.7	10.0	7.4	30.0
n-Undecane	Ave	0.5067	0.5257		10.4	10.0	3.7	30.0
n-Butylbenzene	Ave	1.124	1.235		11.0	10.0	9.9	30.0
1,2-Dichlorobenzene	Ave	0.7957	0.8130		10.2	10.0	2.2	30.0
n-Dodecane	Ave	0.4886	0.4438		9.08	10.0	-9.2	30.0
1,2,4-Trichlorobenzene	Ave	0.5921	0.5798		9.79	10.0	-2.1	30.0
Hexachlorobutadiene	Ave	0.3836	0.3974		10.4	10.0	3.6	30.0
Naphthalene	Ave	1.308	1.220		9.33	10.0	-6.7	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.4816		10.1	10.0	0.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkaktol5.b/bkak003.d
Lab Smp Id: ccvis 132424 Client Smp ID: ccvis 132424
Inj Date : 06-MAY-2011 12:42
Operator : pad Inst ID: B.i
Smp Info : ccvis 132424
Misc Info : 200,1, ccvis
Comment :
Method : /chem/B.i/Bsvr.p/bkaktol5.b/tol5v5.m
Meth Date : 09-May-2011 13:35 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene	41	2.992	2.992 (0.325)	183506	10.0000	8.6		
2 Dichlorodifluoromethane	85	3.045	3.040 (0.331)	1464509	10.0000	11		
3 Chlorodifluoromethane	51	3.072	3.072 (0.334)	528011	10.0000	9.7		
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232 (0.351)	1384073	10.0000	11		
5 Chloromethane	50	3.339	3.339 (0.363)	249047	10.0000	9.1		
6 Butane	43	3.488	3.488 (0.379)	429532	10.0000	9.1		
7 Vinyl chloride	62	3.520	3.520 (0.383)	381089	10.0000	10		
8 1,3-Butadiene	54	3.574	3.574 (0.388)	261355	10.0000	9.6		
9 Bromomethane	94	4.129	4.129 (0.449)	730544	10.0000	11		
10 Chloroethane	64	4.331	4.326 (0.471)	333190	10.0000	10		
11 2-Methylbutane	43	4.406	4.401 (0.479)	583653	10.0000	9.3		
12 Vinyl bromide	106	4.705	4.705 (0.511)	948782	10.0000	11		
13 Trichlorofluoromethane	101	4.801	4.801 (0.522)	2447973	10.0000	11		
14 Pentane	43	4.929	4.924 (0.536)	979360	10.0000	9.8		

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.313	5.308	(0.578)	356329	15.0000	14
16 Ethyl ether	59	5.420	5.415	(0.589)	553741	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	1815636	10.0000	10
18 Acrolein	56	5.762	5.756	(0.626)	279946	10.0000	9.7
19 1,1-Dichloroethene	96	5.858	5.852	(0.637)	862694	10.0000	10
20 Acetone	43	6.050	6.045	(0.658)	899735	10.0000	9.9
21 Carbon disulfide	76	6.269	6.269	(0.681)	2451644	10.0000	10
22 Isopropanol	45	6.333	6.322	(0.688)	679050	10.0000	9.2
23 Allyl chloride	41	6.546	6.541	(0.712)	733631	10.0000	9.2
24 Acetonitrile	41	6.626	6.626	(0.720)	450857	10.0000	9.5
25 Methylene chloride	49	6.802	6.802	(0.739)	698851	10.0000	9.4
26 Tert-butyl alcohol	59	7.048	7.037	(0.766)	1137530	10.0000	9.5
27 Methyl tert-butyl ether	73	7.192	7.187	(0.782)	2346262	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	1097477	10.0000	9.9
29 Acrylonitrile	53	7.288	7.288	(0.792)	497653	10.0000	9.4
30 n-Hexane	57	7.528	7.528	(0.818)	1170071	10.0000	9.6
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1379426	10.0000	9.9
32 Vinyl acetate	43	7.966	7.966	(0.866)	1573769	10.0000	9.6
M 33 1,2-Dichloroethene,Total	61				2079519	20.0000	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	982042	10.0000	10
35 Ethyl acetate	88	8.878	8.878	(0.965)	82770	10.0000	10
36 Methyl Ethyl Ketone	72	8.857	8.857	(0.963)	412702	10.0000	10(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	916977	10.0000	
38 Tetrahydrofuran	42	9.252	9.252	(0.872)	680409	10.0000	9.5
39 Chloroform	83	9.279	9.284	(1.009)	1827248	10.0000	10
40 Cyclohexane	84	9.535	9.535	(0.899)	1262823	10.0000	9.7
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	2018150	10.0000	11
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	2163633	10.0000	10
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.945)	3573388	10.0000	9.7
44 Benzene	78	10.053	10.053	(0.948)	2729614	10.0000	10
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	1047309	10.0000	10
46 n-Heptane	43	10.277	10.282	(0.969)	1138915	10.0000	9.2
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	4456313	10.0000	
48 n-Butanol	56	10.917	10.906	(1.029)	347628	10.0000	8.6
49 Trichloroethene	95	10.965	10.971	(1.034)	1303323	10.0000	10
50 1,2-Dichloropropane	63	11.328	11.333	(1.068)	883543	10.0000	9.8
51 Methyl methacrylate	69	11.408	11.408	(1.075)	928866	10.0000	9.9
52 Dibromomethane	174	11.520	11.520	(1.086)	1209722	10.0000	10
53 1,4-Dioxane	88	11.526	11.520	(1.087)	399561	10.0000	9.6
54 Bromodichloromethane	83	11.696	11.702	(1.103)	2027863	10.0000	11
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1503380	10.0000	10
56 Methyl isobutyl ketone	43	12.518	12.518	(1.180)	1437822	10.0000	9.4
57 n-Octane	43	12.753	12.758	(1.202)	1525444	10.0000	9.3
58 Toluene	92	12.748	12.748	(0.865)	2204675	10.0000	10
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1578656	10.0000	10
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1009257	10.0000	10
61 Tetrachloroethene	166	13.516	13.516	(0.917)	1936426	10.0000	10

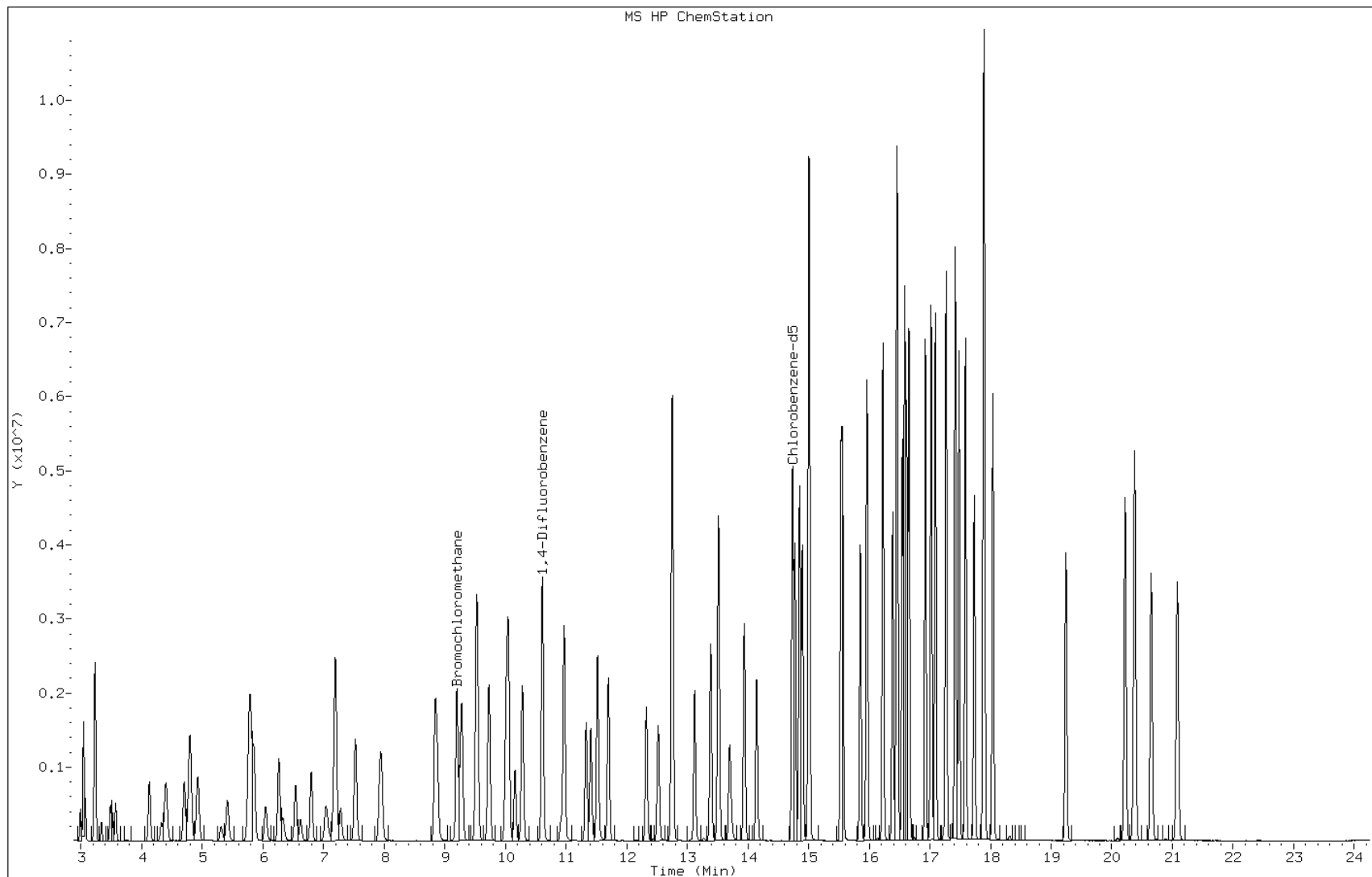
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.698	13.698	(0.929)	1381093	10.0000	9.1
63 Dibromochloromethane	129	13.938	13.943	(0.946)	2324102	10.0000	10
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2063489	10.0000	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	4181093	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	3157211	10.0000	9.6
67 n-Nonane	57	14.898	14.899	(1.011)	1745994	10.0000	9.6
68 Ethylbenzene	91	14.850	14.856	(1.008)	4793631	10.0000	10
69 Xylene (m,p)	106	15.011	15.011	(1.018)	4082502	20.0000	21
M 70 Xylenes, Total	106				6061858	10.0000	31
71 Xylene (o)	106	15.539	15.539	(1.054)	1979356	10.0000	10
72 Styrene	104	15.566	15.566	(1.056)	3131483	10.0000	10
73 Bromoform	173	15.854	15.859	(1.076)	2339651	10.0000	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	5688789	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	16.387	16.393	(1.112)	2652792	10.0000	10
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6550490	10.0000	11
77 1,2,3-Trichloropropane	75	16.468	16.468	(1.117)	1939769	10.0000	10
78 n-Decane	57	16.548	16.548	(1.123)	2176711	10.0000	9.7
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	5917306	10.0000	10
80 2-Chlorotoluene	91	16.617	16.622	(1.127)	5029103	10.0000	10
81 1,3,5-Trimethylbenzene	105	16.654	16.660	(1.130)	4849995	10.0000	10
82 Alpha Methyl Styrene	118	16.926	16.932	(1.148)	2625812	10.0000	10
83 tert-butylbenzene	119	17.023	17.023	(1.155)	4714119	10.0000	10
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	4854295	10.0000	10
85 sec-Butylbenzene	105	17.268	17.273	(1.172)	7002917	10.0000	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6070073	10.0000	10
87 1,3-Dichlorobenzene	146	17.482	17.487	(1.186)	3587464	10.0000	10
88 1,4-Dichlorobenzene	146	17.588	17.594	(1.193)	3606665	10.0000	10
89 Benzyl chloride	91	17.732	17.738	(1.203)	4231147	10.0000	11
90 Undecane	57	17.887	17.887	(1.214)	2197426	10.0000	10
91 n-Butylbenzene	91	17.898	17.903	(1.214)	5163676	10.0000	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	3398746	10.0000	10
93 Dodecane	57	19.243	19.243	(1.306)	1855279	10.0000	9.1
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2423882	10.0000	9.8
95 1,3-Hexachlorobutadiene	225	20.374	20.380	(1.382)	1661024	10.0000	10
96 Naphthalene	128	20.646	20.652	(1.401)	5100458	10.0000	9.3
97 1,2,3-Trichlorobenzene	180	21.079	21.084	(1.430)	2013317	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkak003.d
Client ID: ccvis 132424
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 132424
Lab Sample ID: ccvis 132424

Date: 06-MAY-2011 12:42
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bkato15.b/bka001.d
Report Date: 19-Apr-2011 11:04

Page 1

TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkato15.b/bka001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 19-APR-2011 10:50
Operator : wrd Inst ID: B.i
Smp Info : VBFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkato15.b/bfbto15.m
Meth Date : 24-Nov-2009 10:29 njr Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

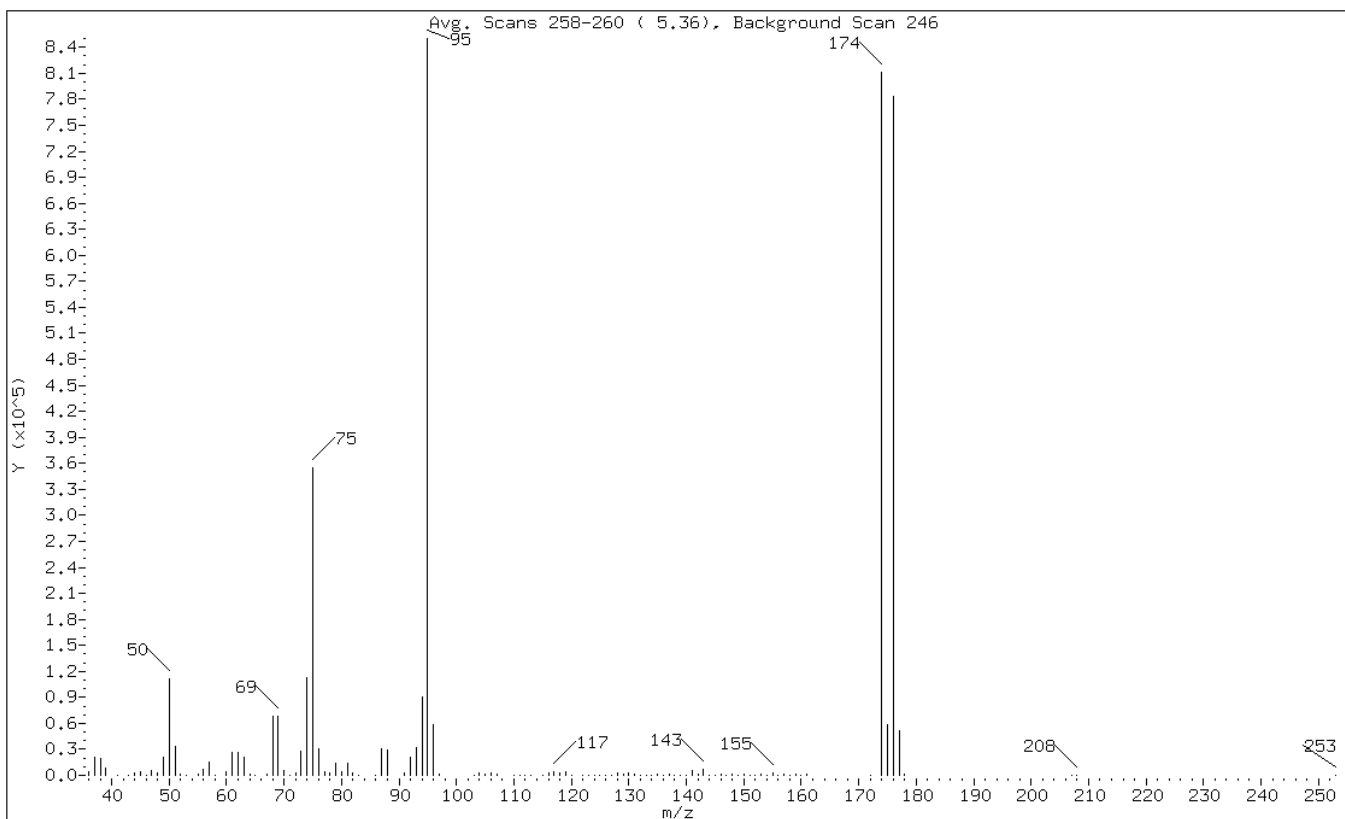
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
5.362	5.670	-0.308	95	850114			100.00- 100.00	100.00	
5.362	5.670	-0.308	50	110752			8.00- 40.00	13.03	
5.362	5.670	-0.308	75	354986			30.00- 66.00	41.76	
5.362	5.670	-0.308	96	58493			5.00- 9.00	6.88	
5.362	5.670	-0.308	173	0			0.00- 2.00	0.00	
5.362	5.670	-0.308	174	811584			50.00- 120.00	95.47	
5.362	5.670	-0.308	175	58032			4.00- 9.00	7.15	
5.362	5.670	-0.308	176	783594			93.00- 101.00	96.55	
5.362	5.670	-0.308	177	51789			5.00- 9.00	6.61	

Data File: bka001.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB
 1 bfb

Date: 19-APR-2011 10:50
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.03
75	30.00 - 66.00% of mass 95	41.76
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	95.47
175	4.00 - 9.00% of mass 174	6.83 (7.15)
176	93.00 - 101.00% of mass 174	92.18 (96.55)
177	5.00 - 9.00% of mass 176	6.09 (6.61)

Data File: bka001.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB

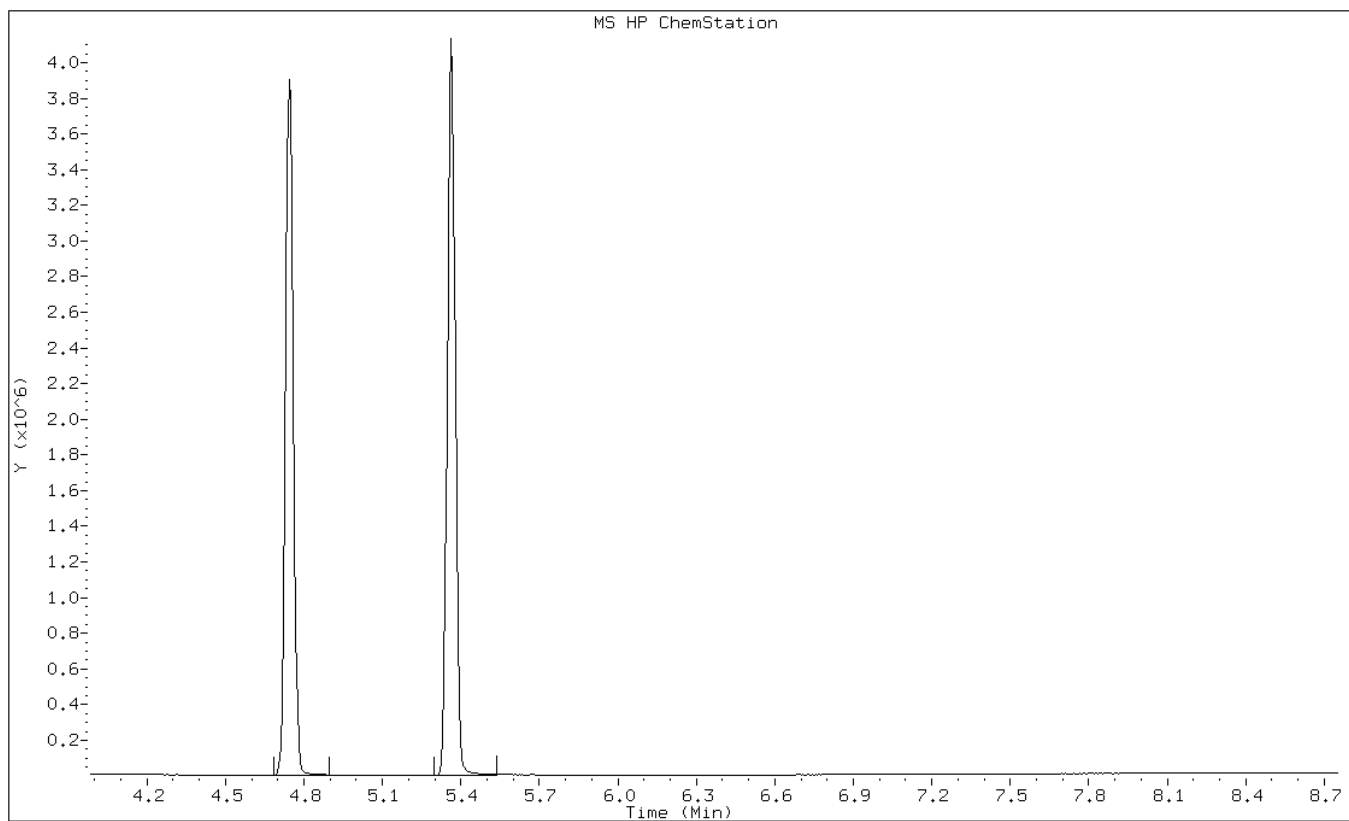
Date: 19-APR-2011 10:50
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkato15.b/bka001.d
 Spectrum: Avg. Scans 258-260 (5.36), Background Scan 246
 Location of Maximum: 95.00
 Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3572	71.00	182	112.00	291	144.00	393
37.00	21336	72.00	2933	113.00	437	145.00	579
38.00	19464	73.00	27152	115.00	647	146.00	1094
39.00	7785	74.00	112488	116.00	2306	147.00	526
41.00	49	75.00	354944	117.00	3931	148.00	2023
43.00	156	76.00	30408	118.00	2412	149.00	551
44.00	2381	77.00	3719	119.00	3487	150.00	731
45.00	4556	78.00	2465	120.00	163	151.00	46
46.00	347	79.00	13786	122.00	215	152.00	345
47.00	6172	80.00	4756	123.00	236	153.00	703
48.00	2787	81.00	14165	124.00	532	154.00	459
49.00	21360	82.00	3276	125.00	218	155.00	2141
50.00	110752	83.00	358	126.00	281	156.00	389
51.00	33368	86.00	649	127.00	246	157.00	1491
52.00	1444	87.00	30280	128.00	2729	158.00	203
53.00	37	88.00	29192	129.00	1442	159.00	813
55.00	1272	91.00	2097	130.00	2880	160.00	43
56.00	7639	92.00	20224	131.00	1212	161.00	833
57.00	15884	93.00	32472	132.00	167	172.00	264
58.00	578	94.00	90768	133.00	70	174.00	811584
60.00	4521	95.00	850112	134.00	187	175.00	58032
61.00	26080	96.00	58488	135.00	1288	176.00	783552
62.00	26760	97.00	1676	136.00	237	177.00	51784
63.00	21232	103.00	311	137.00	1258	178.00	1598
64.00	1926	104.00	2468	138.00	36	207.00	124
65.00	227	105.00	982	139.00	231	208.00	136
67.00	1664	106.00	2718	140.00	444	253.00	34
68.00	67848	107.00	751	141.00	6240		
69.00	68248	110.00	316	142.00	869		
70.00	5313	111.00	457	143.00	6631		

Data File: bka001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: VBFB
Lab Sample ID: BFB

Date: 19-APR-2011 10:50
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkajto15.b/bkaj001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 05-MAY-2011 09:56
Operator : pad Inst ID: B.i
Smp Info : VBFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/bfbto15.m
Meth Date : 24-Nov-2009 10:29 njr Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

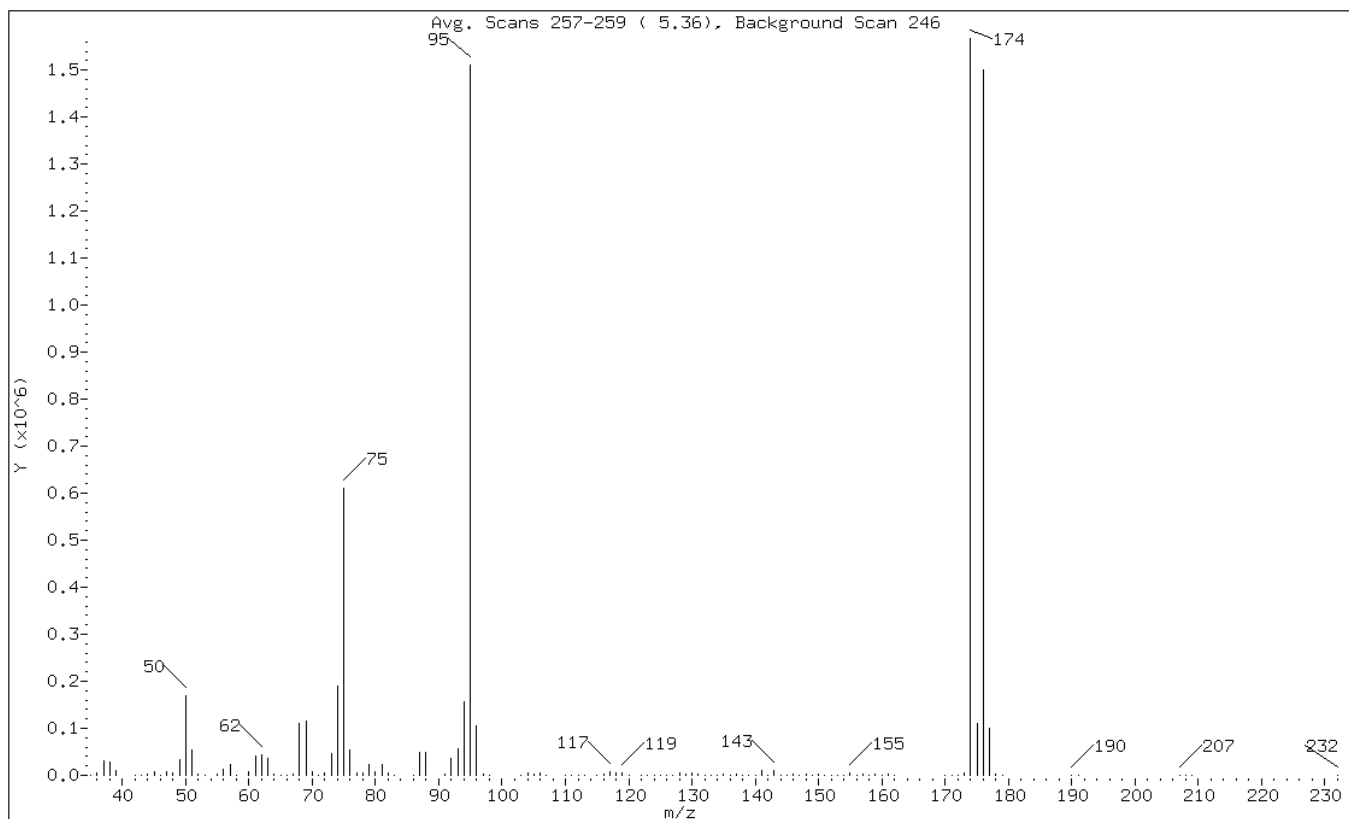
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
5.357	5.670	-0.313	95	1511594			100.00- 100.00	96.43	
5.357	5.670	-0.313	50	169493			8.00- 40.00	11.21	
5.357	5.670	-0.313	75	610325			30.00- 66.00	40.38	
5.357	5.670	-0.313	96	104504			5.00- 9.00	6.91	
5.357	5.670	-0.313	173	4876			0.00- 2.00	0.31	
5.357	5.670	-0.313	174	1567573			50.00- 120.00	103.70	
5.357	5.670	-0.313	175	110368			4.00- 9.00	7.04	
5.357	5.670	-0.313	176	1500842			93.00- 101.00	95.74	
5.357	5.670	-0.313	177	99010			5.00- 9.00	6.60	

Data File: bkaj001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB
 1 bfb

Date: 05-MAY-2011 09:56
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	11.21
75	30.00 - 66.00% of mass 95	40.38
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.32 (0.31)
174	50.00 - 120.00% of mass 95	103.70
175	4.00 - 9.00% of mass 174	7.30 (7.04)
176	93.00 - 101.00% of mass 174	99.29 (95.74)
177	5.00 - 9.00% of mass 176	6.55 (6.60)

Data File: bkaj001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB

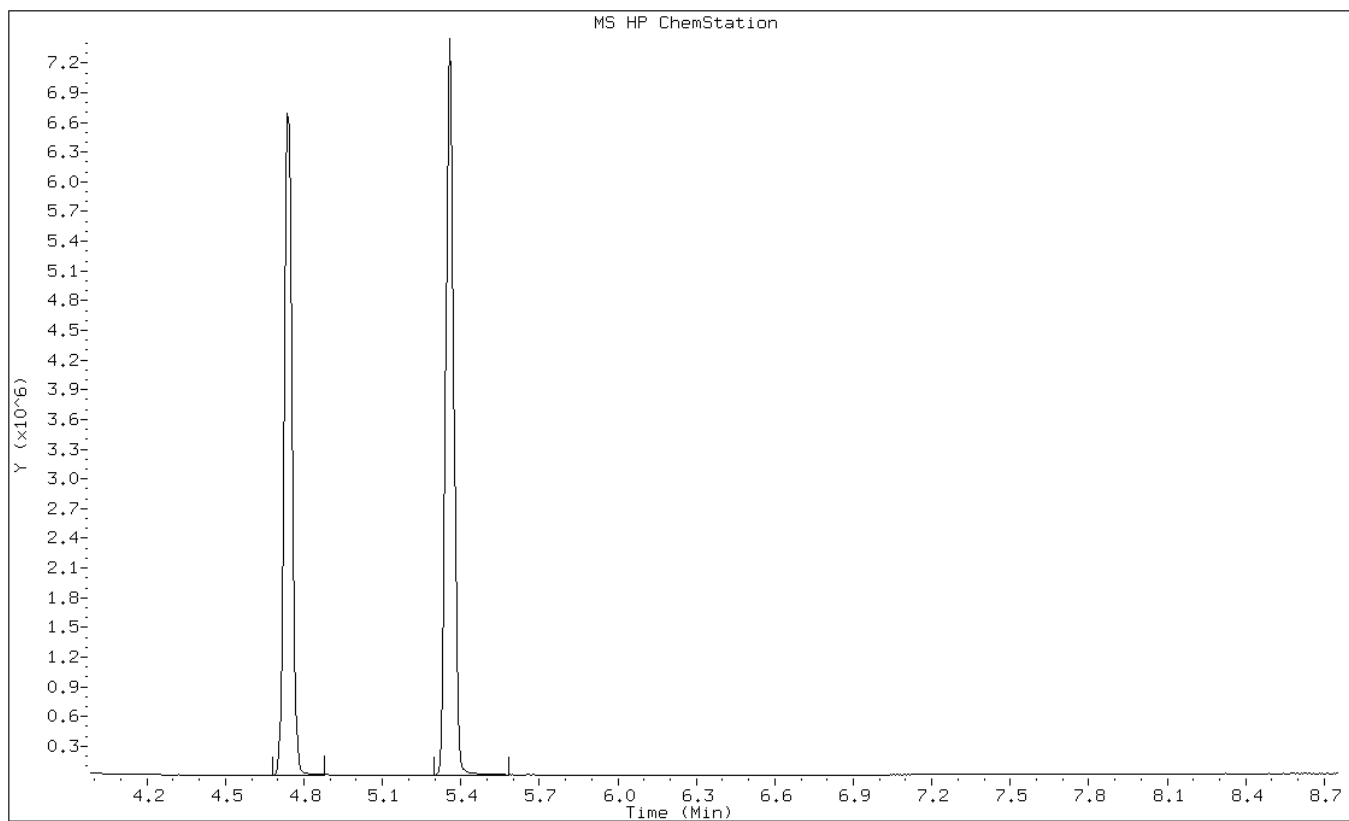
Date: 05-MAY-2011 09:56
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkajto15.b/bkaj001.d
 Spectrum: Avg. Scans 257-259 (5.36), Background Scan 246
 Location of Maximum: 174.00
 Number of points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	37	72.00	4854	116.00	3756	150.00	1447
36.00	5251	73.00	45512	117.00	7223	151.00	211
37.00	29512	74.00	188736	118.00	4213	152.00	913
38.00	27848	75.00	610304	119.00	6217	153.00	1207
39.00	11240	76.00	53664	120.00	319	154.00	1009
42.00	89	77.00	6023	122.00	277	155.00	4158
43.00	273	78.00	4105	123.00	448	156.00	745
44.00	3593	79.00	22600	124.00	703	157.00	2831
45.00	6568	80.00	8484	125.00	445	158.00	571
46.00	466	81.00	23472	126.00	484	159.00	1554
47.00	8047	82.00	6407	127.00	398	160.00	89
48.00	3983	83.00	531	128.00	5008	161.00	1439
49.00	32192	86.00	1047	129.00	2593	162.00	86
50.00	169472	87.00	49048	130.00	4940	170.00	146
51.00	53088	88.00	48888	131.00	2003	171.00	48
52.00	2374	91.00	3415	132.00	368	172.00	1109
53.00	163	92.00	34936	133.00	135	173.00	4876
55.00	2044	93.00	56600	134.00	302	174.00	1567232
56.00	11799	94.00	157120	135.00	2186	175.00	110368
57.00	23752	95.00	1511424	136.00	313	176.00	1500672
58.00	1094	96.00	104504	137.00	1928	177.00	99008
60.00	7408	97.00	2987	138.00	86	178.00	2832
61.00	41464	98.00	80	139.00	380	179.00	37
62.00	42552	103.00	434	140.00	828	190.00	111
63.00	35120	104.00	4371	141.00	10733	191.00	111
64.00	3269	105.00	1604	142.00	1213	207.00	302
65.00	577	106.00	4590	143.00	11178	208.00	34
66.00	52	107.00	1215	144.00	657	209.00	33
67.00	2333	110.00	676	145.00	1050	232.00	35
68.00	111544	111.00	636	146.00	2126		
69.00	114896	112.00	487	147.00	1121		
70.00	8045	113.00	644	148.00	3703		
71.00	279	115.00	1239	149.00	1127		

Data File: bkaj001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: VBFB
Lab Sample ID: BFB

Date: 05-MAY-2011 09:56
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



Data File: /chem/B.i/Bsvr.p/bkaktol5.b/bkak001.d
Report Date: 06-May-2011 11:08

Page 1

TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkaktol5.b/bkak001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 06-MAY-2011 11:00
Operator : pad Inst ID: B.i
Smp Info : VBFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkaktol5.b/bfbtol5.m
Meth Date : 24-Nov-2009 10:29 njr Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

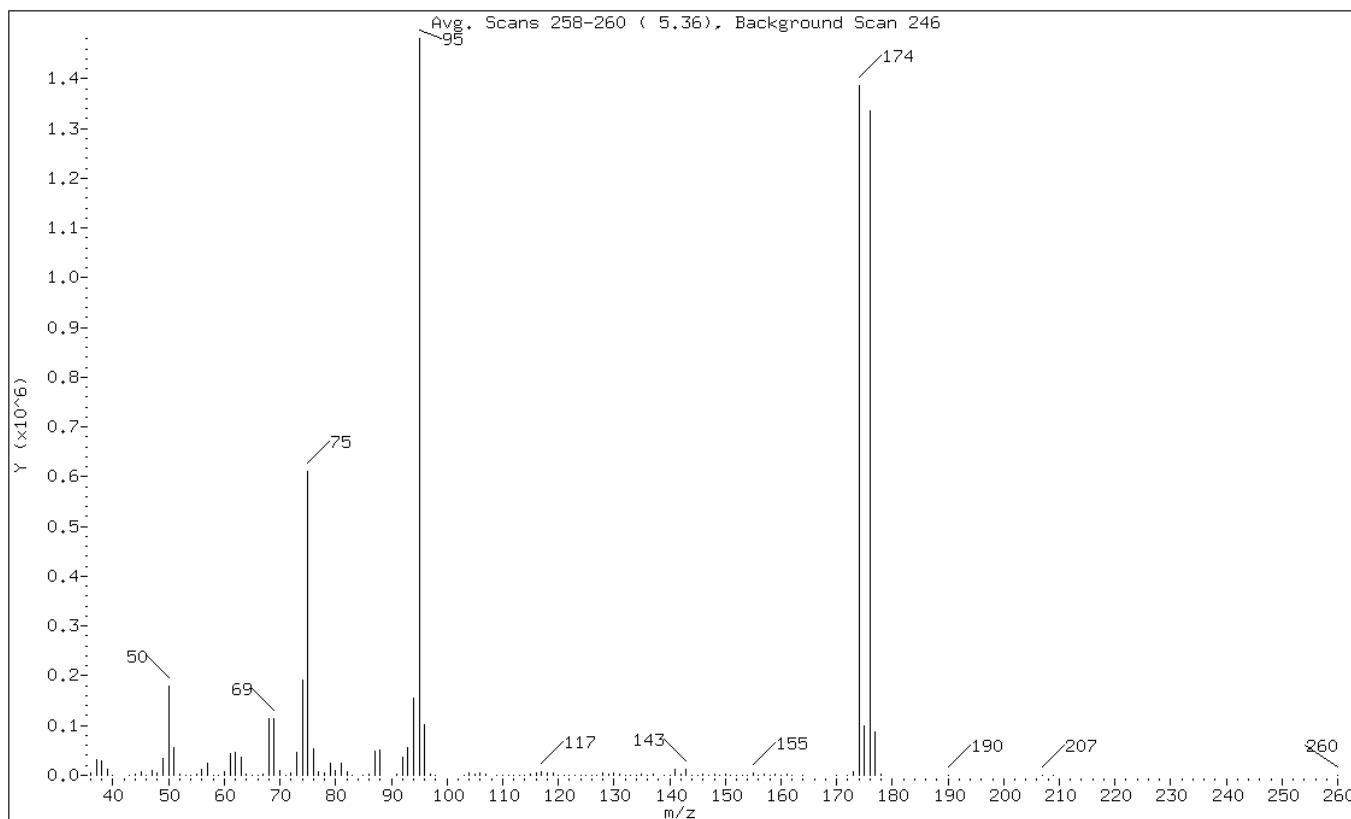
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
5.362	5.670	-0.308	95	1481045			100.00- 100.00	100.00	
5.362	5.670	-0.308	50	179735			8.00- 40.00	12.14	
5.362	5.670	-0.308	75	610816			30.00- 66.00	41.24	
5.362	5.670	-0.308	96	101205			5.00- 9.00	6.83	
5.362	5.670	-0.308	173	6986			0.00- 2.00	0.50	
5.362	5.670	-0.308	174	1386325			50.00- 120.00	93.60	
5.362	5.670	-0.308	175	98213			4.00- 9.00	7.08	
5.362	5.670	-0.308	176	1336661			93.00- 101.00	96.42	
5.362	5.670	-0.308	177	87934			5.00- 9.00	6.58	

Data File: bkak001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB
 1 bfb

Date: 06-MAY-2011 11:00
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.14
75	30.00 - 66.00% of mass 95	41.24
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.47 (0.50)
174	50.00 - 120.00% of mass 95	93.60
175	4.00 - 9.00% of mass 174	6.63 (7.08)
176	93.00 - 101.00% of mass 174	90.25 (96.42)
177	5.00 - 9.00% of mass 176	5.94 (6.58)

Data File: bkak001.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: VBFB
 Lab Sample ID: BFB

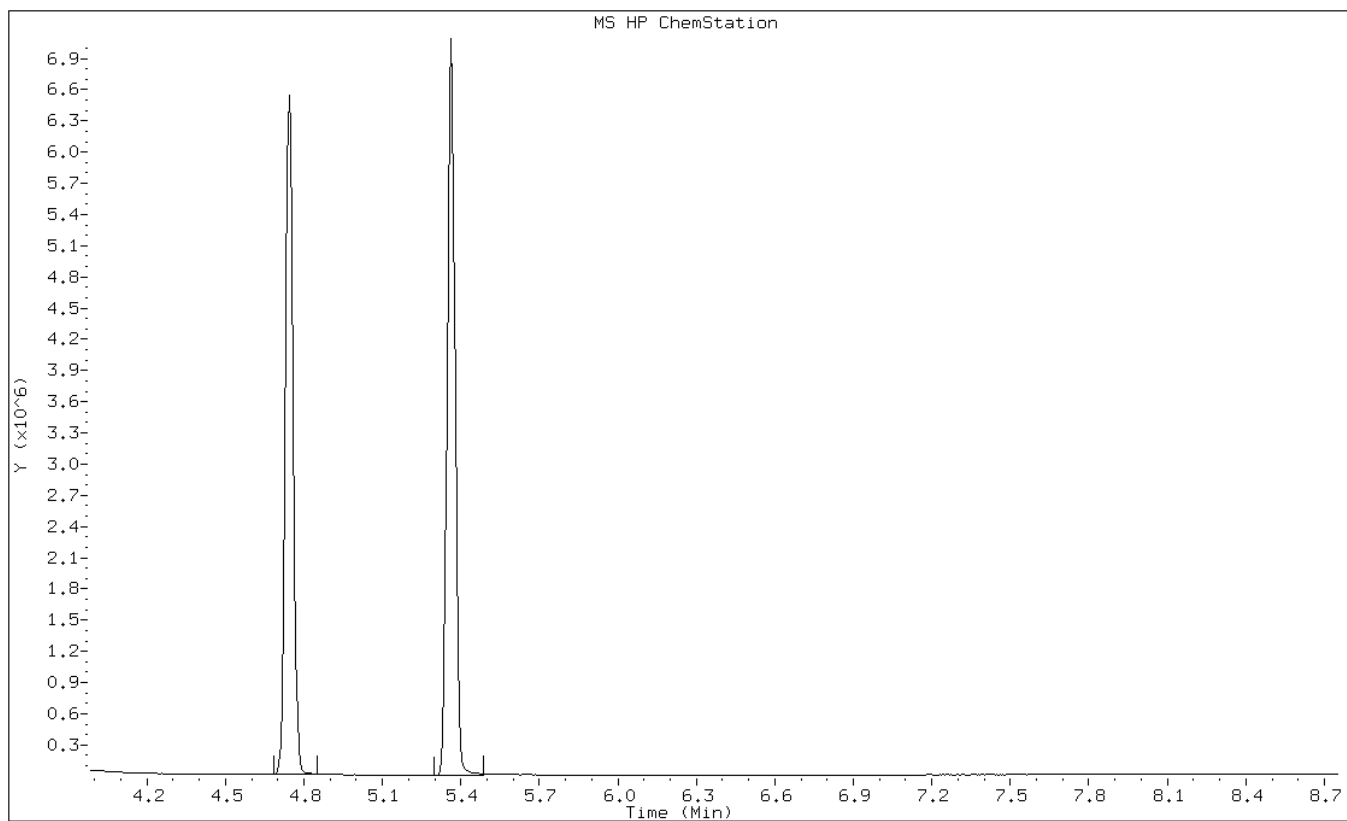
Date: 06-MAY-2011 11:00
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkaktol5.b/bkak001.d
 Spectrum: Avg. Scans 258-260 (5.36), Background Scan 246
 Location of Maximum: 95.00
 Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5314	71.00	334	112.00	433	146.00	1972
37.00	31304	72.00	5109	113.00	639	147.00	895
38.00	30160	73.00	46272	114.00	34	148.00	3407
39.00	12485	74.00	191744	115.00	1228	149.00	848
40.00	44	75.00	610816	116.00	4174	150.00	1376
43.00	311	76.00	53608	117.00	7191	151.00	100
44.00	3392	77.00	6924	118.00	4131	152.00	734
45.00	6713	78.00	4520	119.00	5752	153.00	1194
46.00	306	79.00	23288	120.00	247	154.00	919
47.00	9379	80.00	9318	121.00	36	155.00	3739
48.00	4423	81.00	24320	122.00	366	156.00	1094
49.00	33872	82.00	6653	123.00	358	157.00	2861
50.00	179712	83.00	619	124.00	793	158.00	894
51.00	55296	85.00	88	125.00	457	159.00	1527
52.00	2311	86.00	1266	126.00	502	160.00	184
53.00	196	87.00	49536	127.00	455	161.00	1430
54.00	89	88.00	50080	128.00	4900	162.00	115
55.00	2101	91.00	3310	129.00	2427	164.00	40
56.00	13051	92.00	35160	130.00	4993	170.00	101
57.00	24888	93.00	54984	131.00	2084	172.00	1134
58.00	1026	94.00	155520	132.00	209	173.00	6986
59.00	73	95.00	1480704	133.00	39	174.00	1385984
60.00	7855	96.00	101200	134.00	272	175.00	98208
61.00	42552	97.00	2926	135.00	2004	176.00	1336320
62.00	44968	98.00	34	136.00	414	177.00	87928
63.00	36232	103.00	492	137.00	2063	178.00	2206
64.00	3258	104.00	4541	139.00	293	190.00	85
65.00	630	105.00	1722	140.00	660	207.00	337
66.00	241	106.00	4473	141.00	11128	209.00	212
67.00	2490	107.00	1235	142.00	1363	260.00	35
68.00	114616	109.00	34	143.00	11295		
69.00	115104	110.00	519	144.00	805		
70.00	8712	111.00	709	145.00	1043		

Data File: bkak001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: VBFB
Lab Sample ID: BFB

Date: 06-MAY-2011 11:00
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
 Matrix: Air Lab File ID: bkaj004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
 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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.038
75-45-6	Freon 22	86.47	0.50	U	0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.032
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.013
106-97-8	n-Butane	58.12	0.50	U	0.50	0.011
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.029
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.010
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.012
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.034
76-13-1	Freon TF	187.38	0.20	U	0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.030
67-64-1	Acetone	58.08	5.0	U	5.0	0.045
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.037
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.032
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.014
67-66-3	Chloroform	119.38	0.20	U	0.20	0.031
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.035
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.039
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.036
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.031
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
 Matrix: Air Lab File ID: bkaj004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
 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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.014
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.088
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.026
108-88-3	Toluene	92.14	0.20	U	0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.039
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.30	0.20	U	0.20	0.020
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.022
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.048
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.022
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.022
100-42-5	Styrene	104.15	0.20	U	0.20	0.030
75-25-2	Bromoform	252.75	0.20	U	0.20	0.019
98-82-8	Cumene	120.19	0.20	U	0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.040
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.051
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.047
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.052
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.044
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.046
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
Matrix: Air Lab File ID: bkaj004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.065
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.086

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
 Matrix: Air Lab File ID: bkaj004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
 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.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.19
75-45-6	Freon 22	86.47	1.8	U	1.8	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.22
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.027
106-97-8	n-Butane	58.12	1.2	U	1.2	0.026
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.074
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.022
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.047
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.042
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.19
76-13-1	Freon TF	187.38	1.5	U	1.5	0.077
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.12
67-64-1	Acetone	58.08	12	U	12	0.11
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.091
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.059
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.045
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.22
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.058
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.13
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.092
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.14
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.050
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.056
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.056
67-66-3	Chloroform	119.38	0.98	U	0.98	0.15
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.053
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.19
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.13
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.17
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.13
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.041

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
 Matrix: Air Lab File ID: bkaj004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
 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.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.053
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.065
123-91-1	1,4-Dioxane	88.11	18	U	18	0.32
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.073
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.068
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.091
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.10
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.075
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.18
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.30	0.92	U	0.92	0.092
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.096
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.21
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.096
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.096
100-42-5	Styrene	104.15	0.85	U	0.85	0.13
75-25-2	Bromoform	252.75	2.1	U	2.1	0.20
98-82-8	Cumene	120.19	0.98	U	0.98	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.27
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.25
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.23
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.25
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.26
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.26
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.26
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.26
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.26
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.24
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.30

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: MB 200-17603/4
Matrix: Air Lab File ID: bkaj004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 12:27
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.: 17603 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.29
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.37
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.69
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.45

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkajto15.b/bkaj004.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 05-MAY-2011 12:27
Operator : pad Inst ID: B.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
11 2-Methylbutane	43				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
14 Pentane	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49	6.802	6.802	(0.740)		3346		0.04065	0.041(aQM)
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.193	9.199	(1.000)		1017186		10.0000	(Q)
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)		4978081		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

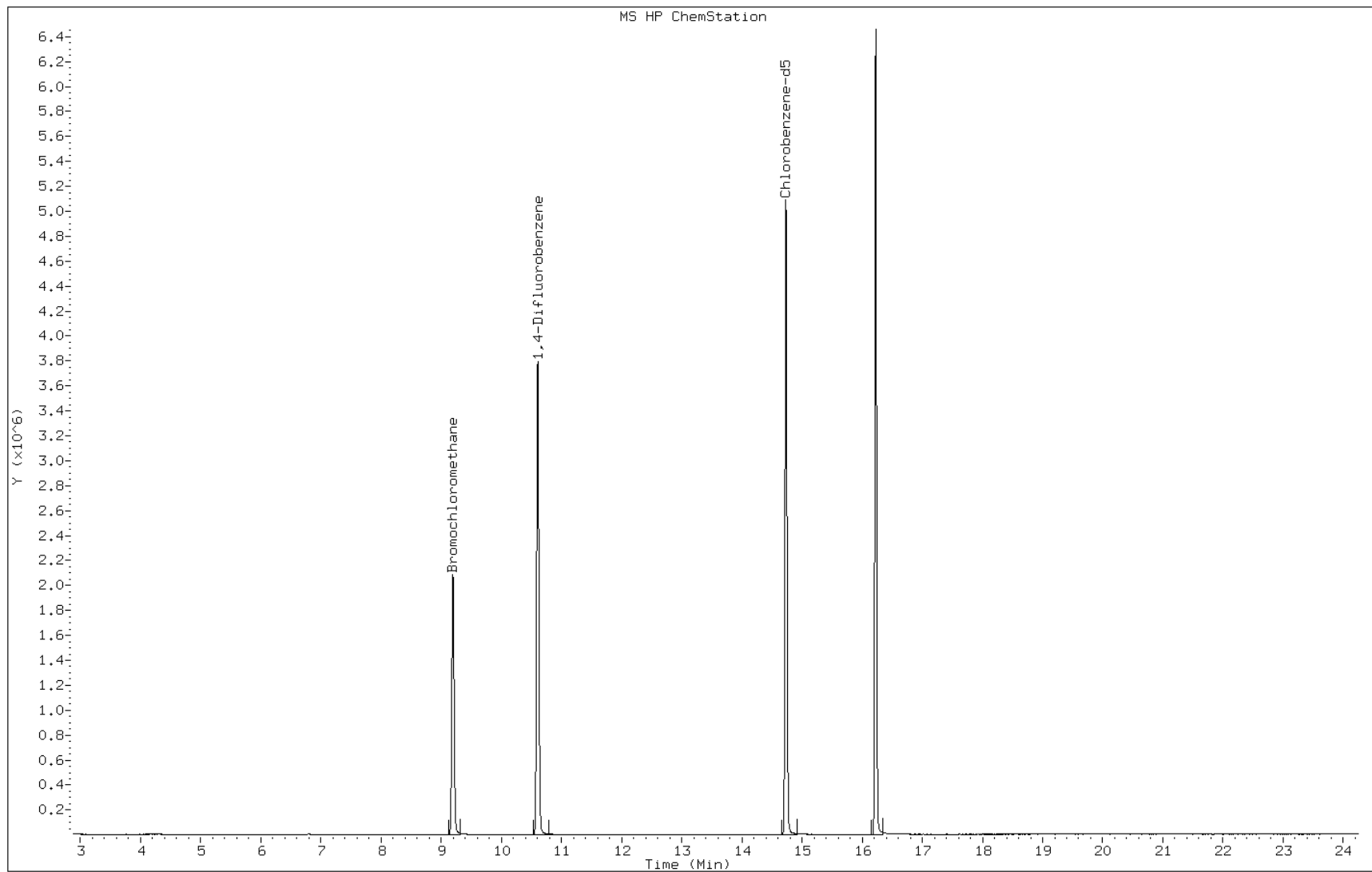
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.733	14.738	(1.000)	4473767	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bkaj004.d
Client ID: mb
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 05-MAY-2011 12:27
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32

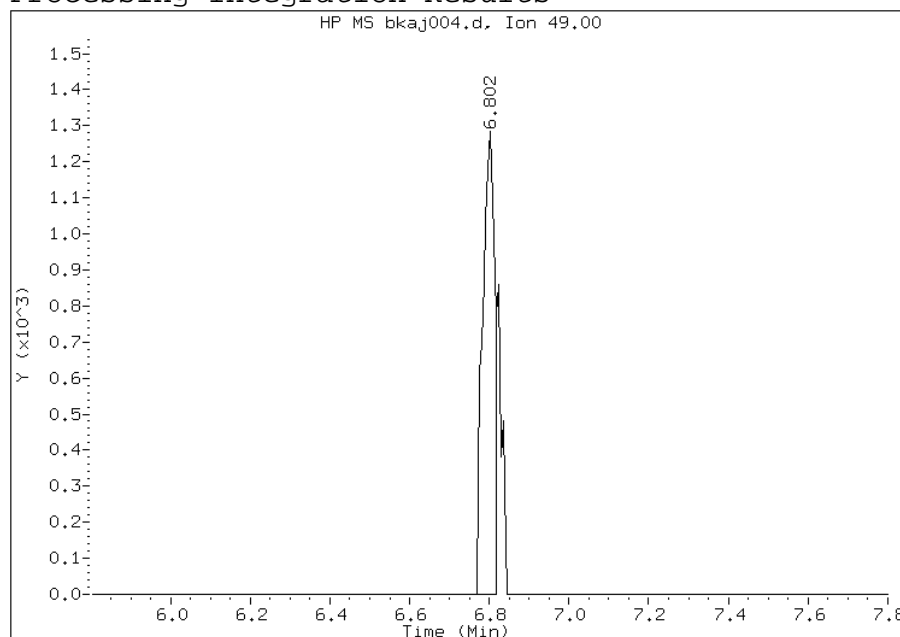


Manual Integration Report

Data File: bkaj004.d
Lab Sample ID: mb
Inj. Date and Time: 05-MAY-2011 12:27
Instrument ID: B.i
Client ID: mb
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/06/2011

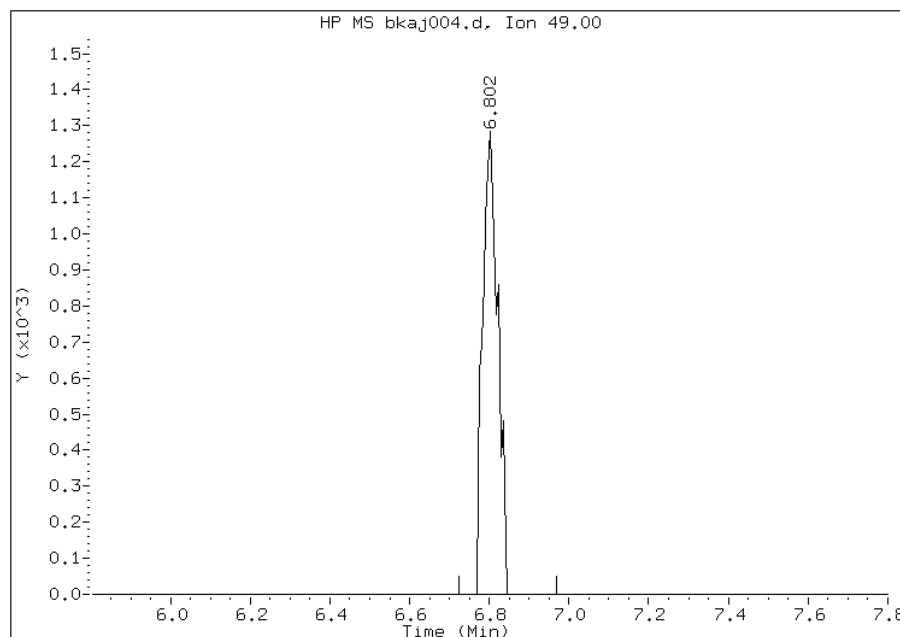
Processing Integration Results

RT: 6.80
Response: 2702
Amount: 0.032822
Conc: 0.032822



Manual Integration Results

RT: 6.80
Response: 3346
Amount: 0.040645
Conc: 0.040645



File Uploaded By: pd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
 Matrix: Air Lab File ID: bkak005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
 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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.038
75-45-6	Freon 22	86.47	0.50	U	0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.032
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.013
106-97-8	n-Butane	58.12	0.50	U	0.50	0.011
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.029
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.010
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.012
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.034
76-13-1	Freon TF	187.38	0.20	U	0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.030
67-64-1	Acetone	58.08	5.0	U	5.0	0.045
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.037
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.032
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.014
67-66-3	Chloroform	119.38	0.20	U	0.20	0.031
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.035
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.039
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.036
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.031
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
 Matrix: Air Lab File ID: bkak005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
 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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.014
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.088
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.026
108-88-3	Toluene	92.14	0.20	U	0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.039
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.30	0.20	U	0.20	0.020
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.022
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.048
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.022
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.022
100-42-5	Styrene	104.15	0.20	U	0.20	0.030
75-25-2	Bromoform	252.75	0.20	U	0.20	0.019
98-82-8	Cumene	120.19	0.20	U	0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.040
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.051
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.047
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.052
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.044
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.046
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
Matrix: Air Lab File ID: bkak005.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.065
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.086

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
 Matrix: Air Lab File ID: bkak005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
 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.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.19
75-45-6	Freon 22	86.47	1.8	U	1.8	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.22
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.027
106-97-8	n-Butane	58.12	1.2	U	1.2	0.026
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.074
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.022
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.047
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.042
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.19
76-13-1	Freon TF	187.38	1.5	U	1.5	0.077
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.12
67-64-1	Acetone	58.08	12	U	12	0.11
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.091
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.059
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.045
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.22
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.058
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.13
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.092
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.14
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.050
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.056
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.056
67-66-3	Chloroform	119.38	0.98	U	0.98	0.15
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.053
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.19
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.13
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.17
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.13
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.041

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
 Matrix: Air Lab File ID: bkak005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
 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.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.053
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.065
123-91-1	1,4-Dioxane	88.11	18	U	18	0.32
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.073
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.068
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.091
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.10
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.075
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.18
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.30	0.92	U	0.92	0.092
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.096
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.21
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.096
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.096
100-42-5	Styrene	104.15	0.85	U	0.85	0.13
75-25-2	Bromoform	252.75	2.1	U	2.1	0.20
98-82-8	Cumene	120.19	0.98	U	0.98	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.27
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.25
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.23
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.25
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.26
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.26
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.26
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.26
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.26
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.24
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.30

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: MB 200-17703/5
Matrix: Air Lab File ID: bkak005.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 14:25
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.: 17703 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.29
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.37
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	0.69
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.45

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkak005.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 06-MAY-2011 14:25
Operator : pad Inst ID: B.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 09-May-2011 13:35 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
11 2-Methylbutane	43				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
14 Pentane	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49	6.802	6.802	(0.739)		3410		0.04331	0.043(a)
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.199	9.199	(1.000)		972960		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.607	10.608	(1.000)		4773586		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

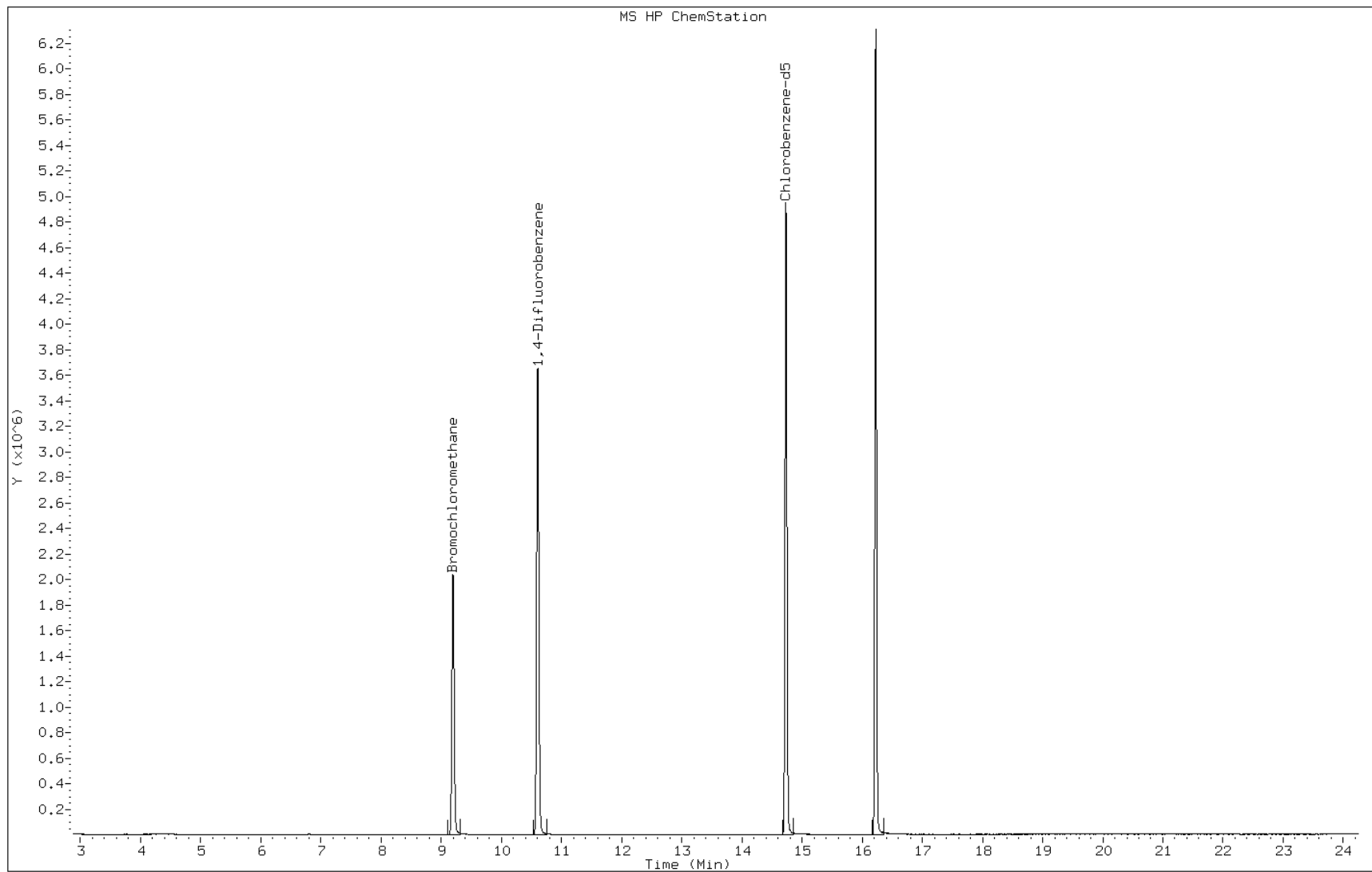
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.733	14.738	(1.000)	4301952	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bkak005.d
Client ID: mb
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 06-MAY-2011 14:25
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: LCS 200-17603/3
 Matrix: Air Lab File ID: bkaj003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 11:37
 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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	10.1		0.50	0.038
75-45-6	Freon 22	86.47	8.89		0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.99		0.20	0.032
74-87-3	Chloromethane	50.49	8.51		0.50	0.013
106-97-8	n-Butane	58.12	7.97		0.50	0.011
75-01-4	Vinyl chloride	62.50	9.23		0.20	0.029
106-99-0	1,3-Butadiene	54.09	9.16		0.20	0.010
74-83-9	Bromomethane	94.94	9.43		0.20	0.012
75-00-3	Chloroethane	64.52	8.95		0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.2		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	10.4		0.20	0.034
76-13-1	Freon TF	187.38	11.0		0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	11.0		0.20	0.030
67-64-1	Acetone	58.08	9.61		5.0	0.045
67-63-0	Isopropyl alcohol	60.10	8.59		5.0	0.037
75-15-0	Carbon disulfide	76.14	10.1		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.57		0.50	0.019
75-09-2	Methylene Chloride	84.93	9.37		0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	9.29		5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	9.91		0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	9.40		0.20	0.032
110-54-3	n-Hexane	86.17	9.04		0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	9.50		0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	10.0		0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	10.5		0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	19.9		0.20	0.014
67-66-3	Chloroform	119.38	10.1		0.20	0.031
109-99-9	Tetrahydrofuran	72.11	8.84		5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	10.4		0.20	0.035
110-82-7	Cyclohexane	84.16	9.75		0.20	0.039
56-23-5	Carbon tetrachloride	153.81	10.2		0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	9.28		0.20	0.036
71-43-2	Benzene	78.11	9.88		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.39		0.20	0.031
142-82-5	n-Heptane	100.21	8.54		0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: LCS 200-17603/3
 Matrix: Air Lab File ID: bkaj003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 11:37
 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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.1		0.20	0.030
80-62-6	Methyl methacrylate	100.12	9.61		0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	9.20		0.20	0.014
123-91-1	1,4-Dioxane	88.11	9.02		5.0	0.088
75-27-4	Bromodichloromethane	163.83	10.5		0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	9.55		0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	8.83		0.50	0.026
108-88-3	Toluene	92.14	9.79		0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	9.64		0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	9.33		0.20	0.019
127-18-4	Tetrachloroethene	165.83	10.2		0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.64		0.50	0.039
124-48-1	Dibromochloromethane	208.29	10.7		0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	9.90		0.20	0.018
108-90-7	Chlorobenzene	112.30	9.44		0.20	0.020
100-41-4	Ethylbenzene	106.17	9.86		0.20	0.022
179601-23-1	m,p-Xylene	106.17	19.8		0.50	0.048
95-47-6	Xylene, o-	106.17	9.66		0.20	0.022
1330-20-7	Xylene (total)	106.17	29.5		0.20	0.022
100-42-5	Styrene	104.15	10.1		0.20	0.030
75-25-2	Bromoform	252.75	11.4		0.20	0.019
98-82-8	Cumene	120.19	10.2		0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.50		0.20	0.040
103-65-1	n-Propylbenzene	120.19	10.4		0.20	0.050
622-96-8	4-Ethyltoluene	120.20	10.5		0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	9.93		0.20	0.051
95-49-8	2-Chlorotoluene	126.59	10.2		0.20	0.047
98-06-6	tert-Butylbenzene	134.22	10.0		0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	9.84		0.20	0.052
135-98-8	sec-Butylbenzene	134.22	10.2		0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	10.3		0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	10.2		0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	10.1		0.20	0.044
100-44-7	Benzyl chloride	126.58	9.42		0.20	0.046
104-51-8	n-Butylbenzene	134.22	10.6		0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: LCS 200-17603/3
Matrix: Air Lab File ID: bkaj003.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/05/2011 11:37
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.: 17603 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.79		0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	10.3		0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	10.7		0.20	0.065
91-20-3	Naphthalene	128.17	10.5		0.50	0.086

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkajto15.b/bkaj003.d
Lab Smp Id: lcs 139387 Client Smp ID: lcs 139387
Inj Date : 05-MAY-2011 11:37
Operator : pad Inst ID: B.i
Smp Info : lcs 139387
Misc Info : 200,1, lcs
Comment :
Method : /chem/B.i/Bsvr.p/bkajto15.b/to15v5.m
Meth Date : 06-May-2011 10:45 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG							CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	(ppb v/v)	(ppb v/v)
1 Propene	41	2.987	2.992	(0.325)	184193	7.71426	7.7		
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1479355	10.0964	10		
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	540765	8.88760	8.9		
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.227	3.232	(0.351)	1419029	9.99300	10		
5 Chloromethane	50	3.339	3.339	(0.363)	259383	8.50527	8.5		
6 Butane	43	3.483	3.488	(0.379)	422215	7.97186	8.0		
7 Vinyl chloride	62	3.515	3.520	(0.382)	386765	9.23041	9.2		
8 1,3-Butadiene	54	3.568	3.574	(0.388)	278865	9.15737	9.2		
9 Bromomethane	94	4.129	4.129	(0.449)	713523	9.43218	9.4		
10 Chloroethane	64	4.326	4.326	(0.470)	326622	8.94949	8.9		
11 2-Methylbutane	43	4.401	4.401	(0.478)	560545	8.02666	8.0		
12 Vinyl bromide	106	4.700	4.705	(0.511)	1015435	10.1563	10		
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	2553053	10.3860	10		
14 Pentane	43	4.924	4.924	(0.535)	913841	8.15006	8.2		

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.303	5.308	(0.576)	366511	13.2458	13
16 Ethyl ether	59	5.410	5.415	(0.588)	558489	9.04872	9.0
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	2186570	10.9779	11
18 Acrolein	56	5.756	5.756	(0.626)	249813	7.73051	7.7
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	1053494	11.0091	11
20 Acetone	43	6.039	6.045	(0.657)	975947	9.61049	9.6
21 Carbon disulfide	76	6.263	6.269	(0.681)	2705598	10.0812	10
22 Isopropanol	45	6.317	6.322	(0.687)	708786	8.59067	8.6
23 Allyl chloride	41	6.541	6.541	(0.711)	761470	8.57149	8.6
24 Acetonitrile	41	6.621	6.626	(0.720)	464692	8.74598	8.7
25 Methylene chloride	49	6.797	6.802	(0.739)	776698	9.37067	9.4
26 Tert-butyl alcohol	59	7.027	7.037	(0.764)	1245021	9.29182	9.3
27 Methyl tert-butyl ether	73	7.187	7.187	(0.781)	2546441	9.91271	9.9
28 1,2-Dichloroethene (trans)	61	7.197	7.203	(0.782)	1160085	9.40102	9.4
29 Acrylonitrile	53	7.283	7.288	(0.792)	544850	9.24189	9.2
30 n-Hexane	57	7.528	7.528	(0.818)	1223985	9.03573	9.0
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1478203	9.49736	9.5
32 Vinyl acetate	43	7.961	7.966	(0.865)	1605406	8.77633	8.8
M 33 1,2-Dichloroethene,Total	61				2295030	19.8897	20
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	1134945	10.4887	10
35 Ethyl acetate	88	8.873	8.878	(0.965)	94346	10.2405	10
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	463573	10.0422	10(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	1024161	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.872)	701279	8.84479	8.8
39 Chloroform	83	9.279	9.284	(1.009)	1977521	10.0975	10
40 Cyclohexane	84	9.530	9.535	(0.898)	1404437	9.75184	9.8
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	2179157	10.3967	10
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	2368074	10.2386	10
43 2,2,4-Trimethylpentane	57	10.021	10.021	(0.945)	3789666	9.27524	9.3
44 Benzene	78	10.053	10.053	(0.948)	2973734	9.88217	9.9
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	1092140	9.39454	9.4
46 n-Heptane	43	10.277	10.282	(0.969)	1173433	8.54342	8.5
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	4940011	10.0000	
48 n-Butanol	56	10.901	10.906	(1.028)	350554	7.85901	7.9
49 Trichloroethene	95	10.971	10.971	(1.034)	1429054	10.1065	10
50 1,2-Dichloropropane	63	11.334	11.333	(1.068)	916202	9.20240	9.2
51 Methyl methacrylate	69	11.403	11.408	(1.075)	996241	9.60992	9.6
52 Dibromomethane	174	11.520	11.520	(1.086)	1415722	10.7941	11
53 1,4-Dioxane	88	11.515	11.520	(1.086)	416180	9.02089	9.0
54 Bromodichloromethane	83	11.696	11.702	(1.103)	2237531	10.4755	10
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1577106	9.54521	9.5
56 Methyl isobutyl ketone	43	12.513	12.518	(1.180)	1500853	8.82637	8.8
57 n-Octane	43	12.753	12.758	(1.202)	1537604	8.45830	8.5
58 Toluene	92	12.748	12.748	(0.865)	2364859	9.78576	9.8
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1633895	9.63677	9.6
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1033852	9.33244	9.3
61 Tetrachloroethene	166	13.516	13.516	(0.917)	2166988	10.1509	10

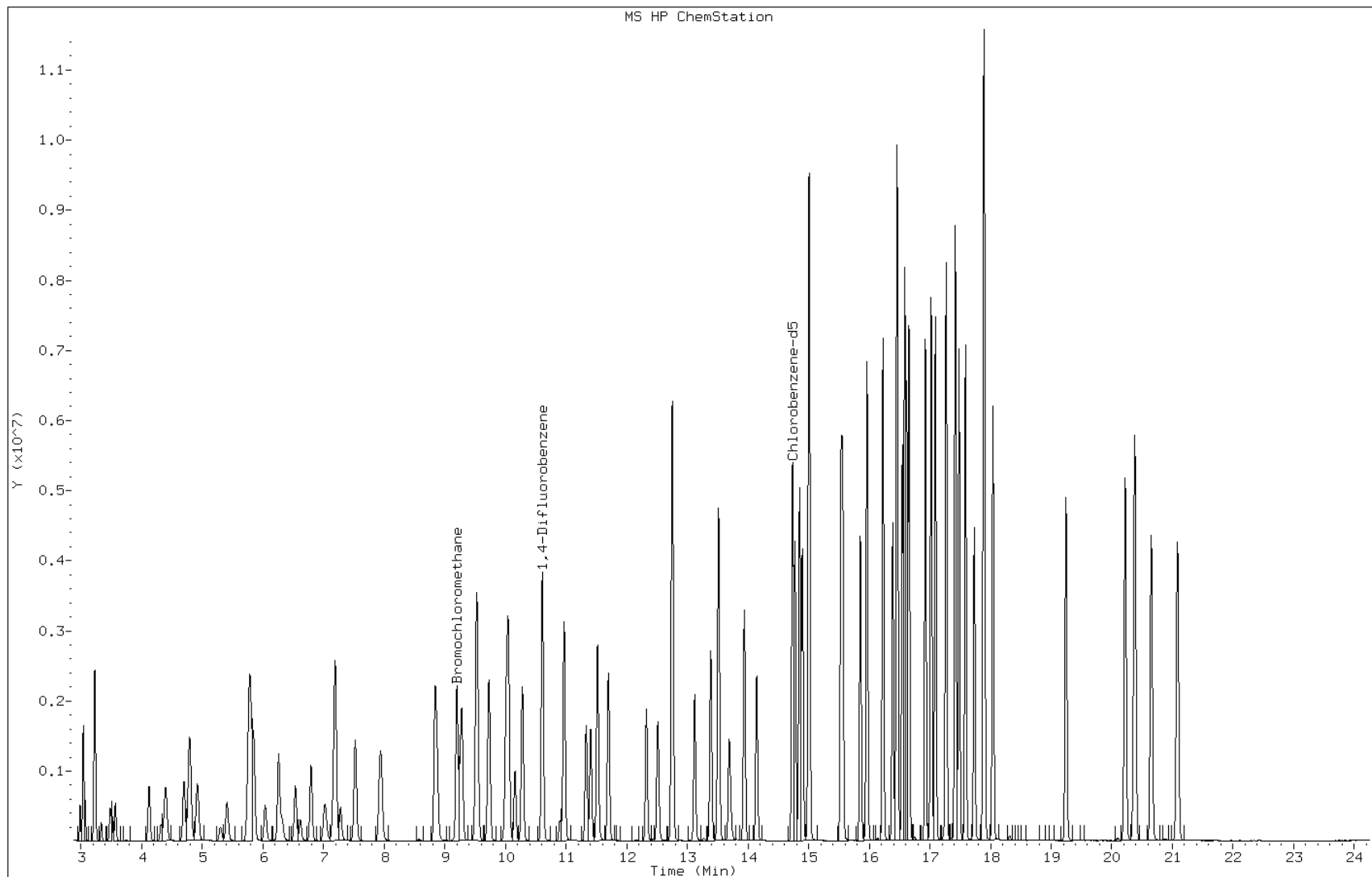
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.692	13.698	(0.929)	1443013	8.63864	8.6
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2651210	10.6542	11
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2215816	9.90367	9.9
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	4607867	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	3423737	9.44224	9.4
67 n-Nonane	57	14.899	14.899	(1.011)	1810410	9.03691	9.0
68 Ethylbenzene	91	14.851	14.856	(1.008)	5147845	9.86316	9.9
69 Xylene (m,p)	106	15.011	15.011	(1.018)	4337207	19.8411	20
M 70 Xylenes, Total	106				6448785	29.5060	30
71 Xylene (o)	106	15.539	15.539	(1.054)	2111578	9.66486	9.7
72 Styrene	104	15.566	15.566	(1.056)	3357865	10.0997	10
73 Bromoform	173	15.854	15.859	(1.076)	2667358	11.3810	11
74 Isopropylbenzene	105	15.966	15.966	(1.083)	6245915	10.1751	10
75 1,1,2,2-Tetrachloroethane	83	16.388	16.393	(1.112)	2715860	9.49933	9.5
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6993804	10.3557	10
77 1,2,3-Trichloropropane	75	16.468	16.468	(1.117)	2021394	9.78336	9.8
78 n-Decane	57	16.548	16.548	(1.123)	2279370	9.20604	9.2
79 4-Ethyltoluene	105	16.585	16.585	(1.125)	6565059	10.5213	11
80 2-Chlorotoluene	91	16.617	16.622	(1.127)	5509428	10.2367	10
81 1,3,5-Trimethylbenzene	105	16.654	16.660	(1.130)	5194860	9.93402	9.9
82 Alpha Methyl Styrene	118	16.927	16.932	(1.148)	2887131	10.3791	10
83 tert-butylbenzene	119	17.023	17.023	(1.155)	5230244	10.0457	10
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	5116325	9.83668	9.8
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	7644904	10.1587	10
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6733325	10.2673	10
87 1,3-Dichlorobenzene	146	17.482	17.487	(1.186)	3890038	10.1523	10
88 1,4-Dichlorobenzene	146	17.588	17.594	(1.193)	3899522	10.1136	10
89 Benzyl chloride	91	17.732	17.738	(1.203)	4092503	9.42327	9.4
90 Undecane	57	17.887	17.887	(1.214)	2353471	10.0800	10
91 n-Butylbenzene	91	17.903	17.903	(1.215)	5485059	10.5867	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	3590175	9.79247	9.8
93 Dodecane	57	19.243	19.243	(1.306)	2305263	10.2394	10
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2801320	10.2677	10
95 1,3-Hexachlorobutadiene	225	20.380	20.380	(1.383)	1899269	10.7447	11
96 Naphthalene	128	20.652	20.652	(1.401)	6342879	10.5261	11
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2574322	11.7043	12

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkaj003.d
Client ID: lcs 139387
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 139387
Lab Sample ID: lcs 139387

Date: 05-MAY-2011 11:37
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: LCS 200-17703/4
 Matrix: Air Lab File ID: bkak004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 13:34
 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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	11.0		0.50	0.038
75-45-6	Freon 22	86.47	9.54		0.50	0.034
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.8		0.20	0.032
74-87-3	Chloromethane	50.49	9.16		0.50	0.013
106-97-8	n-Butane	58.12	8.60		0.50	0.011
75-01-4	Vinyl chloride	62.50	10.1		0.20	0.029
106-99-0	1,3-Butadiene	54.09	9.78		0.20	0.010
74-83-9	Bromomethane	94.94	10.2		0.20	0.012
75-00-3	Chloroethane	64.52	9.69		0.50	0.016
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.8		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	11.1		0.20	0.034
76-13-1	Freon TF	187.38	11.3		0.20	0.010
75-35-4	1,1-Dichloroethene	96.94	11.4		0.20	0.030
67-64-1	Acetone	58.08	10.4		5.0	0.045
67-63-0	Isopropyl alcohol	60.10	9.12		5.0	0.037
75-15-0	Carbon disulfide	76.14	10.5		0.50	0.066
107-05-1	3-Chloropropene	76.53	9.20		0.50	0.019
75-09-2	Methylene Chloride	84.93	10.0		0.50	0.013
75-65-0	tert-Butyl alcohol	74.12	9.67		5.0	0.071
1634-04-4	Methyl tert-butyl ether	88.15	10.4		0.20	0.016
156-60-5	trans-1,2-Dichloroethene	96.94	9.89		0.20	0.032
110-54-3	n-Hexane	86.17	9.59		0.20	0.026
75-34-3	1,1-Dichloroethane	98.96	9.93		0.20	0.035
78-93-3	Methyl Ethyl Ketone	72.11	10.4		0.50	0.017
156-59-2	cis-1,2-Dichloroethene	96.94	10.8		0.20	0.014
540-59-0	1,2-Dichloroethene, Total	96.94	20.6		0.20	0.014
67-66-3	Chloroform	119.38	10.5		0.20	0.031
109-99-9	Tetrahydrofuran	72.11	9.34		5.0	0.018
71-55-6	1,1,1-Trichloroethane	133.41	10.8		0.20	0.035
110-82-7	Cyclohexane	84.16	10.1		0.20	0.039
56-23-5	Carbon tetrachloride	153.81	10.5		0.20	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	9.77		0.20	0.036
71-43-2	Benzene	78.11	10.2		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.96		0.20	0.031
142-82-5	n-Heptane	100.21	9.05		0.20	0.010

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
 SDG No.: 200-5005
 Client Sample ID: _____ Lab Sample ID: LCS 200-17703/4
 Matrix: Air Lab File ID: bkak004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 13:34
 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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.4		0.20	0.030
80-62-6	Methyl methacrylate	100.12	10.0		0.50	0.013
78-87-5	1,2-Dichloropropane	112.99	9.61		0.20	0.014
123-91-1	1,4-Dioxane	88.11	9.22		5.0	0.088
75-27-4	Bromodichloromethane	163.83	10.8		0.20	0.028
10061-01-5	cis-1,3-Dichloropropene	110.97	9.82		0.20	0.016
108-10-1	methyl isobutyl ketone	100.16	9.38		0.50	0.026
108-88-3	Toluene	92.14	10.1		0.20	0.018
10061-02-6	trans-1,3-Dichloropropene	110.97	10.0		0.20	0.020
79-00-5	1,1,2-Trichloroethane	133.41	9.69		0.20	0.019
127-18-4	Tetrachloroethene	165.83	10.2		0.20	0.011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.29		0.50	0.039
124-48-1	Dibromochloromethane	208.29	10.9		0.20	0.021
106-93-4	1,2-Dibromoethane	187.87	10.3		0.20	0.018
108-90-7	Chlorobenzene	112.30	9.66		0.20	0.020
100-41-4	Ethylbenzene	106.17	10.2		0.20	0.022
179601-23-1	m,p-Xylene	106.17	20.5		0.50	0.048
95-47-6	Xylene, o-	106.17	9.98		0.20	0.022
1330-20-7	Xylene (total)	106.17	30.5		0.20	0.022
100-42-5	Styrene	104.15	10.5		0.20	0.030
75-25-2	Bromoform	252.75	11.6		0.20	0.019
98-82-8	Cumene	120.19	10.5		0.20	0.031
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.91		0.20	0.040
103-65-1	n-Propylbenzene	120.19	10.9		0.20	0.050
622-96-8	4-Ethyltoluene	120.20	10.9		0.20	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	10.3		0.20	0.051
95-49-8	2-Chlorotoluene	126.59	10.7		0.20	0.047
98-06-6	tert-Butylbenzene	134.22	10.4		0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	10.2		0.20	0.052
135-98-8	sec-Butylbenzene	134.22	10.5		0.20	0.047
99-87-6	4-Isopropyltoluene	134.22	10.6		0.20	0.048
541-73-1	1,3-Dichlorobenzene	147.00	10.3		0.20	0.044
106-46-7	1,4-Dichlorobenzene	147.00	10.3		0.20	0.044
100-44-7	Benzyl chloride	126.58	9.79		0.20	0.046
104-51-8	n-Butylbenzene	134.22	11.2		0.20	0.055

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

Lab Name: TestAmerica Burlington Job No.: 200-5005-1
SDG No.: 200-5005
Client Sample ID: _____ Lab Sample ID: LCS 200-17703/4
Matrix: Air Lab File ID: bkak004.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 05/06/2011 13:34
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.: 17703 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.88		0.20	0.048
120-82-1	1,2,4-Trichlorobenzene	181.45	10.2		0.50	0.050
87-68-3	Hexachlorobutadiene	260.76	10.7		0.20	0.065
91-20-3	Naphthalene	128.17	10.5		0.50	0.086

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkacto15.b/bkak004.d
Lab Smp Id: lcs 139387 Client Smp ID: lcs 139387
Inj Date : 06-MAY-2011 13:34
Operator : pad Inst ID: B.i
Smp Info : lcs 139387
Misc Info : 200,1, lcs
Comment :
Method : /chem/B.i/Bsvr.p/bkacto15.b/to15v5.m
Meth Date : 09-May-2011 13:35 pd Quant Type: ISTD
Cal Date : 20-APR-2011 08:43 Cal File: bka014.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG							CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	(ppb v/v)	(ppb v/v)
1 Propene	41	2.992	2.992	(0.325)	186308	8.28983	8.3		
2 Dichlorodifluoromethane	85	3.040	3.040	(0.330)	1517578	11.0037	11		
3 Chlorodifluoromethane	51	3.072	3.072	(0.334)	546164	9.53656	9.5		
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.232	3.232	(0.351)	1440347	10.7762	11		
5 Chloromethane	50	3.339	3.339	(0.363)	262942	9.16009	9.2		
6 Butane	43	3.483	3.488	(0.379)	428764	8.60077	8.6		
7 Vinyl chloride	62	3.515	3.520	(0.382)	396586	10.0555	10		
8 1,3-Butadiene	54	3.574	3.574	(0.388)	280363	9.78116	9.8		
9 Bromomethane	94	4.129	4.129	(0.449)	728519	10.2315	10		
10 Chloroethane	64	4.326	4.326	(0.470)	332846	9.68923	9.7		
11 2-Methylbutane	43	4.401	4.401	(0.478)	576544	8.77101	8.8		
12 Vinyl bromide	106	4.705	4.705	(0.511)	1015641	10.7924	11		
13 Trichlorofluoromethane	101	4.796	4.801	(0.521)	2559604	11.0626	11		
14 Pentane	43	4.929	4.924	(0.536)	950117	9.00244	9.0		

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.308	5.308	(0.577)	368592	14.1524	14
16 Ethyl ether	59	5.415	5.415	(0.589)	559287	9.62721	9.6
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.788	5.788	(0.629)	2121103	11.3139	11
18 Acrolein	56	5.756	5.756	(0.626)	252035	8.28603	8.3
19 1,1-Dichloroethene	96	5.852	5.852	(0.636)	1025694	11.3875	11
20 Acetone	43	6.044	6.045	(0.657)	993249	10.3913	10
21 Carbon disulfide	76	6.263	6.269	(0.681)	2662690	10.5405	11
22 Isopropanol	45	6.322	6.322	(0.687)	708548	9.12376	9.1
23 Allyl chloride	41	6.541	6.541	(0.711)	768963	9.19606	9.2
24 Acetonitrile	41	6.621	6.626	(0.720)	477071	9.53936	9.5
25 Methylene chloride	49	6.797	6.802	(0.739)	781266	10.0141	10
26 Tert-butyl alcohol	59	7.032	7.037	(0.764)	1220025	9.67355	9.7
27 Methyl tert-butyl ether	73	7.187	7.187	(0.781)	2514370	10.3987	10
28 1,2-Dichloroethene (trans)	61	7.203	7.203	(0.783)	1149136	9.89349	9.9
29 Acrylonitrile	53	7.288	7.288	(0.792)	544507	9.81252	9.8
30 n-Hexane	57	7.528	7.528	(0.818)	1222471	9.58780	9.6
31 1,1-Dichloroethane	63	7.934	7.934	(0.862)	1455322	9.93393	9.9
32 Vinyl acetate	43	7.966	7.966	(0.866)	1623565	9.42955	9.4
M 33 1,2-Dichloroethene,Total	61				2244577	20.6489	21
34 1,2-Dichloroethene (cis)	96	8.836	8.836	(0.961)	1095441	10.7554	11
35 Ethyl acetate	88	8.878	8.878	(0.965)	90212	10.4029	10
36 Methyl Ethyl Ketone	72	8.852	8.857	(0.962)	453356	10.4338	10(Q)
* 37 Bromochloromethane	128	9.199	9.199	(1.000)	963996	10.0000	
38 Tetrahydrofuran	42	9.247	9.252	(0.872)	699921	9.34093	9.3
39 Chloroform	83	9.284	9.284	(1.009)	1934207	10.4927	10
40 Cyclohexane	84	9.535	9.535	(0.899)	1369415	10.0615	10
41 1,1,1-Trichloroethane	97	9.524	9.524	(0.898)	2139891	10.8029	11
42 Carbon tetrachloride	117	9.727	9.727	(0.917)	2293022	10.4906	10
43 2,2,4-Trimethylpentane	57	10.020	10.021	(0.945)	3771986	9.76875	9.8
44 Benzene	78	10.053	10.053	(0.948)	2900964	10.2009	10
45 1,2-Dichloroethane	62	10.159	10.159	(0.958)	1094050	9.95816	10
46 n-Heptane	43	10.282	10.282	(0.969)	1174445	9.04797	9.0
* 47 1,4-Difluorobenzene	114	10.608	10.608	(1.000)	4668563	10.0000	
48 n-Butanol	56	10.906	10.906	(1.028)	336477	7.98203	8.0
49 Trichloroethene	95	10.970	10.971	(1.034)	1387082	10.3800	10
50 1,2-Dichloropropane	63	11.333	11.333	(1.068)	904047	9.60828	9.6
51 Methyl methacrylate	69	11.408	11.408	(1.075)	980988	10.0130	10
52 Dibromomethane	174	11.520	11.520	(1.086)	1324624	10.6867	11
53 1,4-Dioxane	88	11.525	11.520	(1.087)	402178	9.22425	9.2
54 Bromodichloromethane	83	11.696	11.702	(1.103)	2183724	10.8181	11
55 1,3-Dichloropropene (cis)	75	12.326	12.326	(1.162)	1533775	9.82270	9.8
56 Methyl isobutyl ketone	43	12.518	12.518	(1.180)	1506587	9.37525	9.4
57 n-Octane	43	12.753	12.758	(1.202)	1561017	9.08638	9.1
58 Toluene	92	12.748	12.748	(0.865)	2295311	10.1407	10
59 1,3-Dichloropropene (trans)	75	13.121	13.121	(1.237)	1605954	10.0227	10
60 1,1,2-Trichloroethane	83	13.388	13.388	(0.908)	1005440	9.69012	9.7
61 Tetrachloroethene	166	13.516	13.516	(0.917)	2042274	10.2141	10

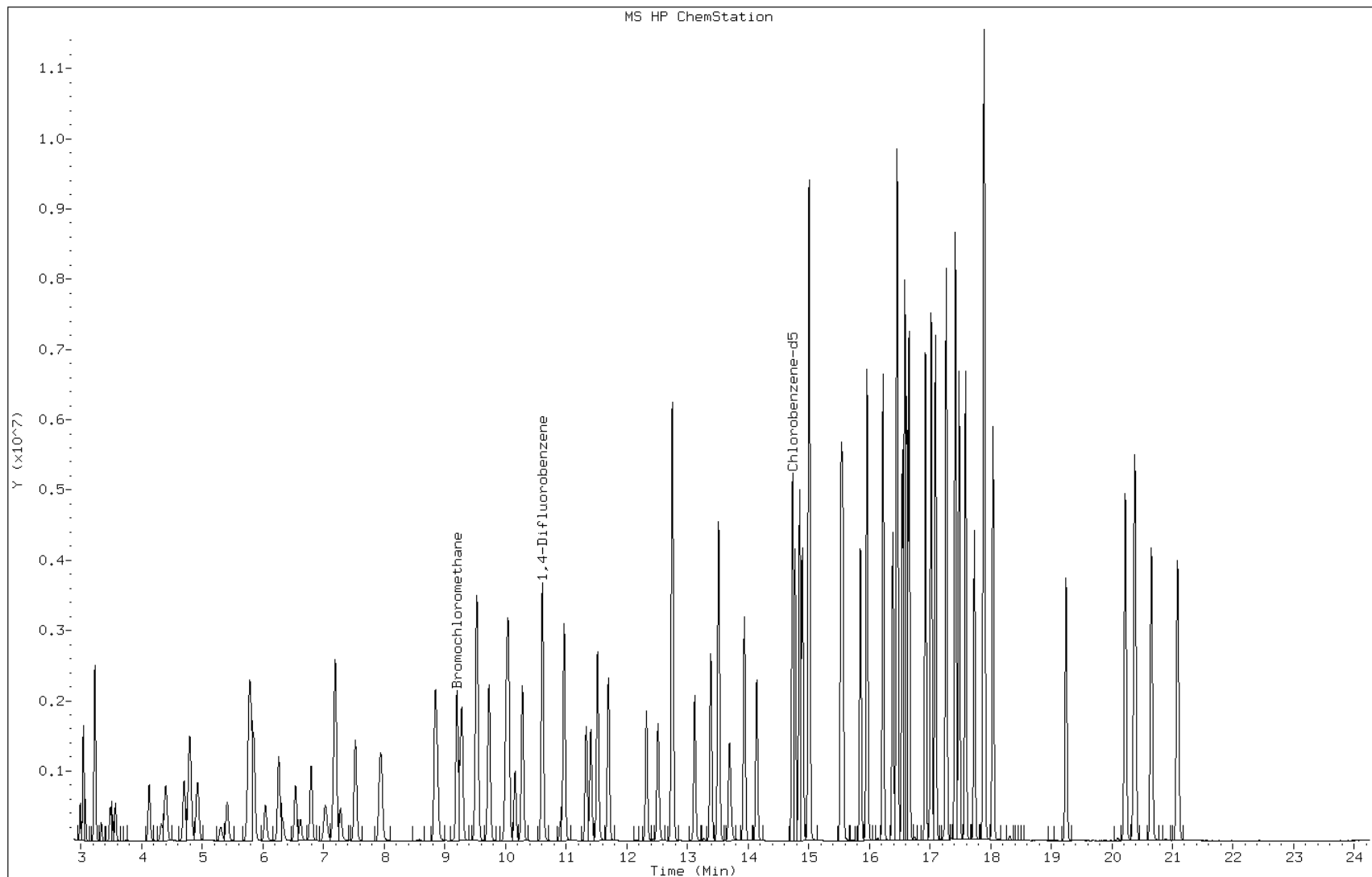
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.698	13.698	(0.929)	1452824	9.28590	9.3
63 Dibromochloromethane	129	13.943	13.943	(0.946)	2539487	10.8958	11
64 1,2-Dibromoethane	107	14.146	14.146	(0.960)	2148976	10.2549	10
* 65 Chlorobenzene-d5	117	14.738	14.738	(1.000)	4315826	10.0000	
66 Chlorobenzene	112	14.776	14.776	(1.003)	3281925	9.66361	9.7
67 n-Nonane	57	14.898	14.899	(1.011)	1801293	9.59983	9.6
68 Ethylbenzene	91	14.856	14.856	(1.008)	5003457	10.2352	10
69 Xylene (m,p)	106	15.011	15.011	(1.018)	4201734	20.5221	21
M 70 Xylenes, Total	106				6243293	30.4987	30
71 Xylene (o)	106	15.539	15.539	(1.054)	2041559	9.97669	10
72 Styrene	104	15.566	15.566	(1.056)	3258321	10.4634	10
73 Bromoform	173	15.859	15.859	(1.076)	2542501	11.5823	12
74 Isopropylbenzene	105	15.966	15.966	(1.083)	6047108	10.5178	11
75 1,1,2,2-Tetrachloroethane	83	16.393	16.393	(1.112)	2654017	9.91118	9.9
76 n-Propylbenzene	91	16.457	16.457	(1.117)	6873600	10.8664	11
77 1,2,3-Trichloropropane	75	16.467	16.468	(1.117)	2003536	10.3531	10
78 n-Decane	57	16.548	16.548	(1.123)	2259735	9.74432	9.7
79 4-Ethyltoluene	105	16.590	16.585	(1.126)	6365570	10.8919	11
80 2-Chlorotoluene	91	16.622	16.622	(1.128)	5378232	10.6691	11
81 1,3,5-Trimethylbenzene	105	16.660	16.660	(1.130)	5062632	10.3363	10
82 Alpha Methyl Styrene	118	16.932	16.932	(1.149)	2778835	10.6657	11
83 tert-butylbenzene	119	17.023	17.023	(1.155)	5055050	10.3662	10
84 1,2,4-Trimethylbenzene	105	17.092	17.097	(1.160)	4966416	10.1946	10
85 sec-Butylbenzene	105	17.273	17.273	(1.172)	7420080	10.5272	11
86 4-Isopropyltoluene	119	17.423	17.423	(1.182)	6492997	10.5708	11
87 1,3-Dichlorobenzene	146	17.481	17.487	(1.186)	3704128	10.3212	10
88 1,4-Dichlorobenzene	146	17.594	17.594	(1.194)	3731243	10.3320	10
89 Benzyl chloride	91	17.738	17.738	(1.204)	3982915	9.79151	9.8
90 Undecane	57	17.887	17.887	(1.214)	2349432	10.7437	11
91 n-Butylbenzene	91	17.903	17.903	(1.215)	5421290	11.1717	11
92 1,2-Dichlorobenzene	146	18.042	18.042	(1.224)	3392280	9.87880	9.9
93 Dodecane	57	19.243	19.243	(1.306)	1748647	8.29267	8.3
94 1,2,4-Trichlorobenzene	180	20.219	20.219	(1.372)	2616189	10.2380	10
95 1,3-Hexachlorobutadiene	225	20.379	20.380	(1.383)	1770292	10.6927	11
96 Naphthalene	128	20.652	20.652	(1.401)	5933122	10.5124	11
97 1,2,3-Trichlorobenzene	180	21.084	21.084	(1.431)	2338423	11.3512	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bkak004.d
Client ID: lcs 139387
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 139387
Lab Sample ID: lcs 139387

Date: 06-MAY-2011 13:34
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



[illegible]

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓ = Low ▪ ✓ = Reviewed and Acceptable

[illegible][illegible]

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓ = Low ▪ √ = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information			
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	Instrument:	Instrument ID:	Instrument:	Instrument ID:	Instrument:		
BKAK	5/06/11	11:00	84580	B	5973	B	5973	B	5973		
Test Method: T015	End Date:	Time:	CAL STD Lot #	Column Type:	RTX-624	Column Type:	RTX-624	Column Type:	RTX-624		
ICAL Date: 4/19/11			ICV/LCS Lot #								
Manager	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst		
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1100	BKAK001	N/A	BFB	N/A	1	200	PAD	N/A	✓	PAD	AG-1↑
1150	002	2571	N/A	✓	1	200		✓	✓		AG
1242	003	✓	CCV	✓	2	✓		✓	✓		AG
1334	004	2887	LCS	✓	3	✓		✓	✓		AG
1425	005	4632	MB	✓	4	125		✓	✓		C
1517	006	2892	5007-01	1.6	5	125		✓	✓		C
1610	007	3464	✓ -02	1.5	6	133		✓	✓		C
1702	008	4950	5005-05	674	7	46		✓	✓		cdF454.95-C
1755	009	3808	✓ -06	403	8	37		✓	✓		cd-79.61-C
1847	010	3394	5000-05	6	9	160		✓	✓		cdF4.80 PCE 52/30 R
1940	011	✓	✓ -05	30	10	32		✓	✓		✓ PCE 52 R 180
2033	012	4923	5000-12	499	11	18		✓	✓		cdF4.49 DCDFM 270 R 1600
2125	013	4557	✓ -26	8	12	108		✓	✓		cdF4.32 TCE 170 R
2217	014	✓	✓ -26	39.3	13	22		✓	✓		✓ TCE 62 R 185
2310	015	5052	5038-01	1	14	200		✓	✓		C
0002	016	✓	-01	4	15	50		✓	✓		C
0055	017	4278	-02	1	16	200		✓	✓		C
0147	018	✓	-02	2.99	17	67		✓	✓		C
0240	019	2569	-03	1	18	200		✓	✓		C
0332	020	✓	-03	4	19	50		✓	✓		C
0425	021	3281	-04	1	20	200		✓	✓		C
0517	022	✓	-04	2.99	21	67		✓	✓		C
0610	023	5025	-05	1	22	200		✓	✓		C
0702	024	✓	-05	5	23	40		✓	✓		C
0755	025	5091	-06	1	24	200		✓	✓		C
0847	026	✓	-06	2	25	100		✓	✓		C
0940	027	2849	✓ -07	1	26	200		✓	✓		C

Legend: C=Complete R=Reanalyze ✓ = High ▽ = Low ▽ = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information			
Batch ID: BKAK		Start Date: 5/06/11		Time: 11:00		ISTD Lot #:		Instrument ID: B			
Test Method: 7015		End Date: 5/07/11		Time: 11:00		CAL STD Lot #:		Instrument: 5973			
ICAL Date: 4/19/11						ICV / LCS Lot #:		Column Type: RTX-624			
Manager		Analyst		Analyst		Analyst		Analyst			
Name/Initial											
Signature											
Sequence Information											
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review			
								Internal Std	Result Conc.	Primary Anal.	Comments / Standard Traceability
1032	BKAK028	2849	5038-07	2.99	1	67	PAD	✓	✓	PAD	
1125	029	2642	1-08	1	2	200	↓	✓	—	↓	out of window R
1217	030	cl	cl-08	2	2	100	↓	✓	—	↓	cl
5/09/11											
PAD											

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.iStart Date: 04/19/2011 10:50Analysis Batch Number: 16751End Date: 04/20/2011 11:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16751/1		04/19/2011 10:50	1	bka001.d	RTX-624 0.32 (mm)
VIBLK 200-16751/2		04/19/2011 12:13	1		RTX-624 0.32 (mm)
IC 200-16751/3		04/19/2011 13:05	1		RTX-624 0.32 (mm)
IC 200-16751/4		04/19/2011 13:57	1	bka004.d	RTX-624 0.32 (mm)
IC 200-16751/5		04/19/2011 14:50	1	bka005.d	RTX-624 0.32 (mm)
ICIS 200-16751/6		04/19/2011 15:42	1	bka006.d	RTX-624 0.32 (mm)
IC 200-16751/7		04/19/2011 16:34	1	bka007.d	RTX-624 0.32 (mm)
IC 200-16751/8		04/19/2011 17:27	1	bka008.d	RTX-624 0.32 (mm)
IC 200-16751/9		04/19/2011 18:19	1	bka009.d	RTX-624 0.32 (mm)
VIBLK 200-16751/10		04/19/2011 19:11	1		RTX-624 0.32 (mm)
VIBLK 200-16751/11		04/19/2011 20:04	1		RTX-624 0.32 (mm)
ICV 200-16751/12		04/19/2011 20:56	1		RTX-624 0.32 (mm)
VIBLK 200-16751/13		04/19/2011 21:49	1		RTX-624 0.32 (mm)
IC 200-16751/14		04/20/2011 08:43	1	bka014.d	RTX-624 0.32 (mm)
VIBLK 200-16751/15		04/20/2011 09:34	1		RTX-624 0.32 (mm)
ICV 200-16751/16		04/20/2011 10:27	1	bka016.d	RTX-624 0.32 (mm)
VIBLK 200-16751/17		04/20/2011 11:18	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.iStart Date: 05/05/2011 09:56Analysis Batch Number: 17603End Date: 05/06/2011 09:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-17603/1		05/05/2011 09:56	1	bka001.d	RTX-624 0.32 (mm)
CCVIS 200-17603/2		05/05/2011 10:47	1	bka002.d	RTX-624 0.32 (mm)
LCS 200-17603/3		05/05/2011 11:37	1	bka003.d	RTX-624 0.32 (mm)
MB 200-17603/4		05/05/2011 12:27	1	bka004.d	RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 13:26	0.2		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 14:25	0.2		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 15:24	0.2		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 16:17	1		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 17:09	1		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 18:02	74.2		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 18:54	1		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 19:46	1		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 20:39	79.6		RTX-624 0.32 (mm)
ZZZZZ		05/05/2011 21:31	2.99		RTX-624 0.32 (mm)
200-5005-1	SL-118-5	05/05/2011 22:24	25.1	bka015.d	RTX-624 0.32 (mm)
200-5005-2	SL-118-20	05/05/2011 23:16	24.7	bka016.d	RTX-624 0.32 (mm)
200-5005-3	SL-118-END	05/06/2011 00:09	20.1	bka017.d	RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 01:01	1960		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 01:54	1550		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 02:46	746		RTX-624 0.32 (mm)
200-5005-7	SL-022-5	05/06/2011 03:38	19.9	bka021.d	RTX-624 0.32 (mm)
200-5005-8	SL-022-20	05/06/2011 04:31	25	bka022.d	RTX-624 0.32 (mm)
200-5005-9	SL-022-END	05/06/2011 05:23	24.9	bka023.d	RTX-624 0.32 (mm)
200-5005-4	SL-084-5	05/06/2011 09:23	678	bka024.d	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-5005-1SDG No.: 200-5005Instrument ID: B.iStart Date: 05/06/2011 11:00Analysis Batch Number: 17703End Date: 05/07/2011 12:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-17703/1		05/06/2011 11:00	1	bkak001.d	RTX-624 0.32 (mm)
CCVIS 200-17703/2		05/06/2011 11:50	1		RTX-624 0.32 (mm)
CCVIS 200-17703/3		05/06/2011 12:42	1	bkak003.d	RTX-624 0.32 (mm)
LCS 200-17703/4		05/06/2011 13:34	1	bkak004.d	RTX-624 0.32 (mm)
MB 200-17703/5		05/06/2011 14:25	1	bkak005.d	RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 15:17	1.6		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 16:10	1.5		RTX-624 0.32 (mm)
200-5005-5	SL-084-20	05/06/2011 17:02	674	bkak008.d	RTX-624 0.32 (mm)
200-5005-6	SL-084-END	05/06/2011 17:55	403	bkak009.d	RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 18:47	6		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 19:40	30		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 20:33	49.9		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 21:25	8		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 22:17	39.3		RTX-624 0.32 (mm)
ZZZZZ		05/06/2011 23:10	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 00:02	4		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 00:55	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 01:47	2.99		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 02:40	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 03:32	4		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 04:25	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 05:17	2.99		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 06:10	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 07:02	5		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 07:55	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 08:47	2		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 09:40	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 10:32	2.99		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 11:25	1		RTX-624 0.32 (mm)
ZZZZZ		05/07/2011 12:17	2		RTX-624 0.32 (mm)

Client ID	Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
Geosyntec	5005	5/4/11	1650	29.5	22	G5	UP
Sampling Information and Return Equipment Check					Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?					X		
(2) Is the flow controller ID used for each canister recorded?						X	
(3) Is visible sign of damage to canister and/or flow controller (FC) present?						X	
If damage observed, list equipment IDs and describe condition:							
Post-Sampling Return Pressure Check							
Lab ID	Canister ID	Pressure ¹ ("Hg)	Anomaly ² (Y/N)	FC ID ³	FC Return (Y/N)	Can Cert Batch ID	Comments
1	4662	-4.6	N	N/A	N/A	3576 GFTB	
2	4481	-5.3					
3	4958	-4.5					
4	3816	-4.5					
5	4950	-4.3					
6	3808	-4.3				4658 GFTB	
7	4957	-3.8					
8	4655	-4.6					
9	3616	-4.3				3576 GFTB	overweight
<div style="font-size: 2em; transform: rotate(-15deg); display: inline-block;"> UP 5/4/11 </div>							

³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

N/A

Summa Canister Dilution Worksheet

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 200-5005-1

Client: 200-5005

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-5005-1	1	-6.6	0.78	0.78	39.9	3.71	3.71	4.77	4.77	05/05/11 11:57	Desjardins, William R
200-5005-2	1	-7.5	0.75	0.75	37	3.52	3.52	4.69	4.69	05/05/11 12:00	Desjardins, William R
200-5005-3	1	-5.4	0.82	0.82	39.9	3.71	3.71	4.53	4.53	05/05/11 12:02	Desjardins, William R
200-5005-4	1	-6.9	0.77	0.77	42.3	3.88	3.88	5.04	5.04	05/05/11 12:29	Desjardins, William R
200-5005-4	1	0.0	1.00	1.00	39.9	3.71	3.71	3.71	18.70	05/05/11 12:31	Desjardins, William R
200-5005-4	1	0.0	1.00	1.00	39.7	3.70	3.70	3.70	69.18	05/05/11 12:34	Desjardins, William R
200-5005-4	1	0.0	1.00	1.00	27.1	2.84	2.84	2.84	196.48	05/05/11 12:36	Desjardins, William R
200-5005-5	1	-7.0	0.77	0.77	38.6	3.63	3.63	4.73	4.73	05/05/11 12:20	Desjardins, William R
200-5005-5	1	0	1.00	1.00	39.7	3.70	3.70	3.70	17.50	05/05/11 12:22	Desjardins, William R
200-5005-5	1	0	1.00	1.00	41.1	3.80	3.80	3.80	66.50	05/05/11 12:23	Desjardins, William R
200-5005-5	1	0	1.00	1.00	19.5	2.33	2.33	2.33	154.95	05/05/11 12:25	Desjardins, William R
200-5005-6	1	-6.9	0.77	0.77	41.9	3.85	3.85	5.00	5.00	05/05/11 12:11	Desjardins, William R
200-5005-6	1	0	1.00	1.00	43.9	3.99	3.99	3.99	19.95	05/05/11 12:12	Desjardins, William R
200-5005-6	1	0	1.00	1.00	40.3	3.74	3.74	3.74	74.61	05/05/11 12:16	Desjardins, William R
200-5005-7	1	-6.4	0.79	0.79	41.7	3.84	3.84	4.88	4.88	05/05/11 12:04	Desjardins, William R
200-5005-8	1	-7.1	0.76	0.76	37.2	3.53	3.53	4.63	4.63	05/05/11 12:06	Desjardins, William R
200-5005-9	1	-6.7	0.78	0.78	36.5	3.48	3.48	4.49	4.49	05/05/11 12:08	Desjardins, William R

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Vol = Volume of SUMMA canister at atmospheric pressure

Certification Type: ☒ **Batch** ☐ **Individual**

BR-FAI023:10.19.09:7
TestAmerica

Certification Type: ☒ Batch ☐ Individual

200-4735-A-5

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gfib003.d
 Lab ID: LCS 200-16738/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.95	90	70-130	
Dichlorodifluoromethane	10.0	9.45	95	70-130	
Freon 22	10.0	9.56	96	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.70	97	70-130	
Chloromethane	10.0	9.56	96	70-130	
n-Butane	10.0	9.59	96	70-130	
Vinyl chloride	10.0	9.86	99	70-130	
1,3-Butadiene	10.0	10.1	101	70-130	
Bromomethane	10.0	9.44	94	70-130	
Chloroethane	10.0	9.82	98	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	9.72	97	70-130	
Ethanol	15.0	15.4	102	70-130	
Freon TF	10.0	10.7	107	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	10.8	108	70-130	
Isopropyl alcohol	10.0	9.68	97	70-130	
Carbon disulfide	10.0	10.1	101	70-130	
3-Chloropropene	10.0	10.2	102	70-130	
Methylene Chloride	10.0	10.5	105	70-130	
tert-Butyl alcohol	10.0	9.17	92	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	9.95	100	70-130	
n-Hexane	10.0	10.0	100	70-130	
1,1-Dichloroethane	10.0	10.1	101	70-130	
Vinyl acetate	10.0	10.6	106	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	10.6	106	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	9.98	100	70-130	
Tetrahydrofuran	10.0	10.0	100	70-130	
1,1,1-Trichloroethane	10.0	9.44	94	70-130	
Cyclohexane	10.0	9.41	94	70-130	
Carbon tetrachloride	10.0	9.34	93	70-130	
2,2,4-Trimethylpentane	10.0	9.68	97	70-130	
Benzene	10.0	9.52	95	70-130	
1,2-Dichloroethane	10.0	9.48	95	70-130	
n-Heptane	10.0	9.50	95	70-130	
Trichloroethene	10.0	9.32	93	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.45	94	70-130	
1,4-Dioxane	10.0	8.44	84	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gfib003.d
 Lab ID: LCS 200-16738/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.95	100	70-130	
cis-1,3-Dichloropropene	10.0	9.51	95	70-130	
methyl isobutyl ketone	10.0	9.49	95	70-130	
Toluene	10.0	9.53	95	70-130	
trans-1,3-Dichloropropene	10.0	9.59	96	70-130	
1,1,2-Trichloroethane	10.0	9.19	92	70-130	
Tetrachloroethene	10.0	9.47	95	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.50	95	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	9.72	97	70-130	
Chlorobenzene	10.0	9.48	95	70-130	
Ethylbenzene	10.0	9.85	99	70-130	
m,p-Xylene	20.0	19.6	98	70-130	
Xylene, o-	10.0	9.69	97	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	10.8	108	70-130	
Cumene	10.0	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.58	96	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	10.0	100	70-130	
2-Chlorotoluene	10.0	10.0	100	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	9.98	100	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.9	109	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	11.5	115	70-130	
1,2-Dichlorobenzene	10.0	9.82	98	70-130	
1,2,4-Trichlorobenzene	10.0	8.97	90	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	8.95	89	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gfib003.d
 Lab ID: LCS 200-16738/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.95	90	70-130	
Dichlorodifluoromethane	10.0	9.45	95	70-130	
Freon 22	10.0	9.56	96	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.70	97	70-130	
Chloromethane	10.0	9.56	96	70-130	
n-Butane	10.0	9.59	96	70-130	
Vinyl chloride	10.0	9.86	99	70-130	
1,3-Butadiene	10.0	10.1	101	70-130	
Bromomethane	10.0	9.44	94	70-130	
Chloroethane	10.0	9.82	98	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	9.72	97	70-130	
Ethanol	15.0	15.4	102	70-130	
Freon TF	10.0	10.7	107	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	10.8	108	70-130	
Isopropyl alcohol	10.0	9.68	97	70-130	
Carbon disulfide	10.0	10.1	101	70-130	
3-Chloropropene	10.0	10.2	102	70-130	
Methylene Chloride	10.0	10.5	105	70-130	
tert-Butyl alcohol	10.0	9.17	92	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	9.95	100	70-130	
n-Hexane	10.0	10.0	100	70-130	
1,1-Dichloroethane	10.0	10.1	101	70-130	
Vinyl acetate	10.0	10.6	106	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	10.6	106	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	9.98	100	70-130	
Tetrahydrofuran	10.0	10.0	100	70-130	
1,1,1-Trichloroethane	10.0	9.44	94	70-130	
Cyclohexane	10.0	9.41	94	70-130	
Carbon tetrachloride	10.0	9.34	93	70-130	
2,2,4-Trimethylpentane	10.0	9.68	97	70-130	
Benzene	10.0	9.52	95	70-130	
1,2-Dichloroethane	10.0	9.48	95	70-130	
n-Heptane	10.0	9.50	95	70-130	
Trichloroethene	10.0	9.32	93	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.45	94	70-130	
1,4-Dioxane	10.0	8.44	84	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gfib003.d
 Lab ID: LCS 200-16738/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.95	100	70-130	
cis-1,3-Dichloropropene	10.0	9.51	95	70-130	
methyl isobutyl ketone	10.0	9.49	95	70-130	
Toluene	10.0	9.53	95	70-130	
trans-1,3-Dichloropropene	10.0	9.59	96	70-130	
1,1,2-Trichloroethane	10.0	9.19	92	70-130	
Tetrachloroethene	10.0	9.47	95	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.50	95	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	9.72	97	70-130	
Chlorobenzene	10.0	9.48	95	70-130	
Ethylbenzene	10.0	9.85	99	70-130	
m,p-Xylene	20.0	19.6	98	70-130	
Xylene, o-	10.0	9.69	97	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	10.8	108	70-130	
Cumene	10.0	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.58	96	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	10.0	100	70-130	
2-Chlorotoluene	10.0	10.0	100	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	9.98	100	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.9	109	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	11.5	115	70-130	
1,2-Dichlorobenzene	10.0	9.82	98	70-130	
1,2,4-Trichlorobenzene	10.0	8.97	90	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	8.95	89	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
SDG No.: _____
Lab File ID: gfib005.d Lab Sample ID: MB 200-16738/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: G.i Date Analyzed: 04/19/2011 12:25
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-16738/3	gfib003.d	04/19/2011 10:28
3576	200-4733-5	gfib026.d	04/20/2011 06:25

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-16738/5
 Matrix: Air Lab File ID: gfib005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-16738/5
 Matrix: Air Lab File ID: gfib005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-16738/5
Matrix: Air Lab File ID: gfib005.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25
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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gfibto15.b/gfib005.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 19-APR-2011 12:25
Operator : wrd Inst ID: G.i
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/G.i/Gsvr.p/gfibto15.b/to15v5.m
Meth Date : 20-Apr-2011 09:40 wrd Quant Type: ISTD
Cal Date : 15-APR-2011 16:40 Cal File: gfi010.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

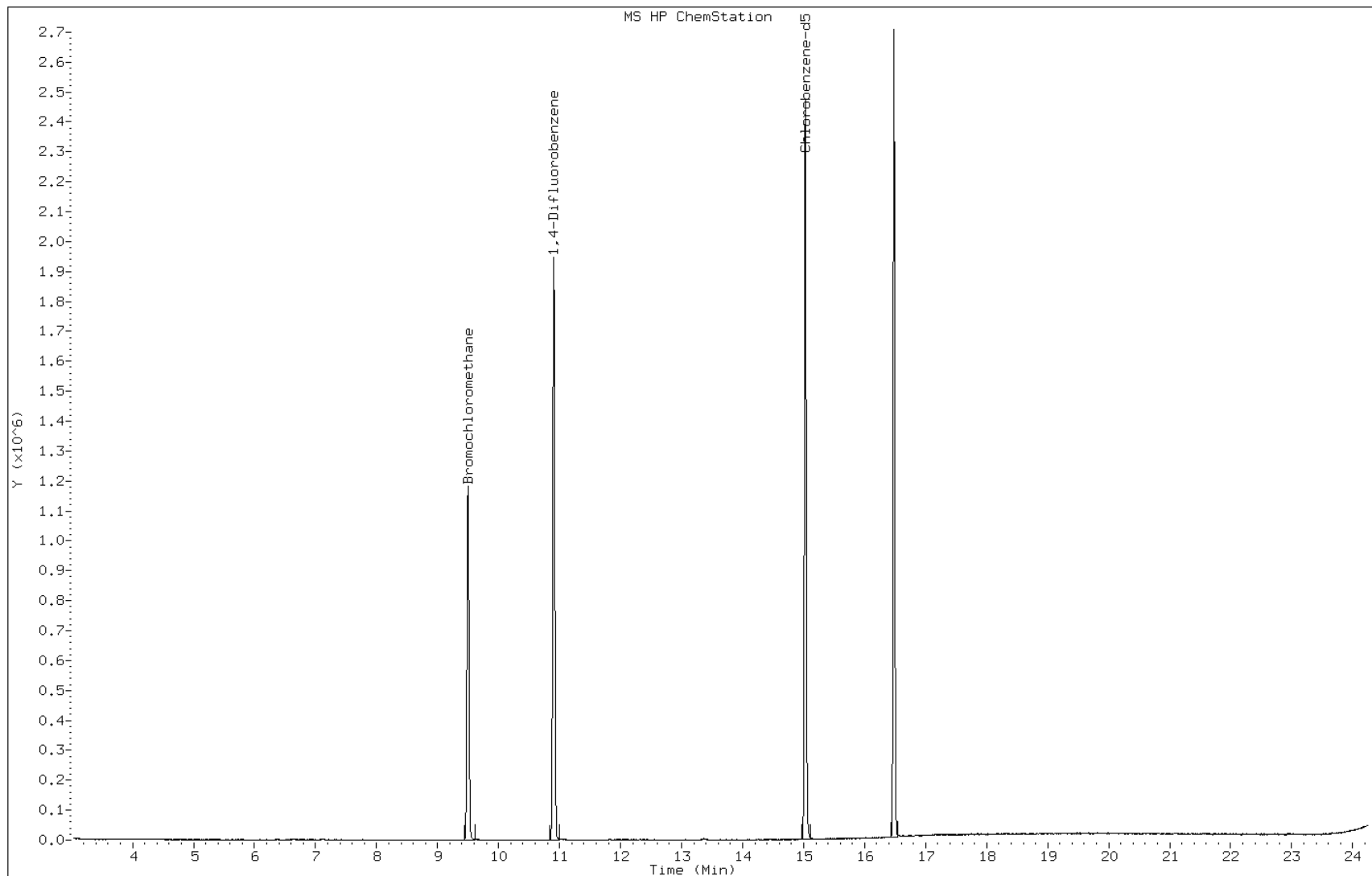
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
11 2-Methylbutane	43				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
14 Pentane	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.499	9.504	(1.000)		485974	10.0000		
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.906	10.911	(1.000)		2279145	10.0000		
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.025	15.031	(1.000)	1912412	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

Data File: gfib005.d
Client ID: mb
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 19-APR-2011 12:25
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
SDG No.: _____
Lab File ID: gfib005.d Lab Sample ID: MB 200-16738/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: G.i Date Analyzed: 04/19/2011 12:25
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-16738/3	gfib003.d	04/19/2011 10:28
4658	200-4735-5	gfib027.d	04/20/2011 07:16

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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-16738/5
 Matrix: Air Lab File ID: gfib005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-16738/5

Matrix: Air Lab File ID: gfib005.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25

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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-16738/5
 Matrix: Air Lab File ID: gfib005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/19/2011 12:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gfibto15.b/gfib005.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 19-APR-2011 12:25
Operator : wrd Inst ID: G.i
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/G.i/Gsvr.p/gfibto15.b/to15v5.m
Meth Date : 20-Apr-2011 09:40 wrd Quant Type: ISTD
Cal Date : 15-APR-2011 16:40 Cal File: gfi010.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

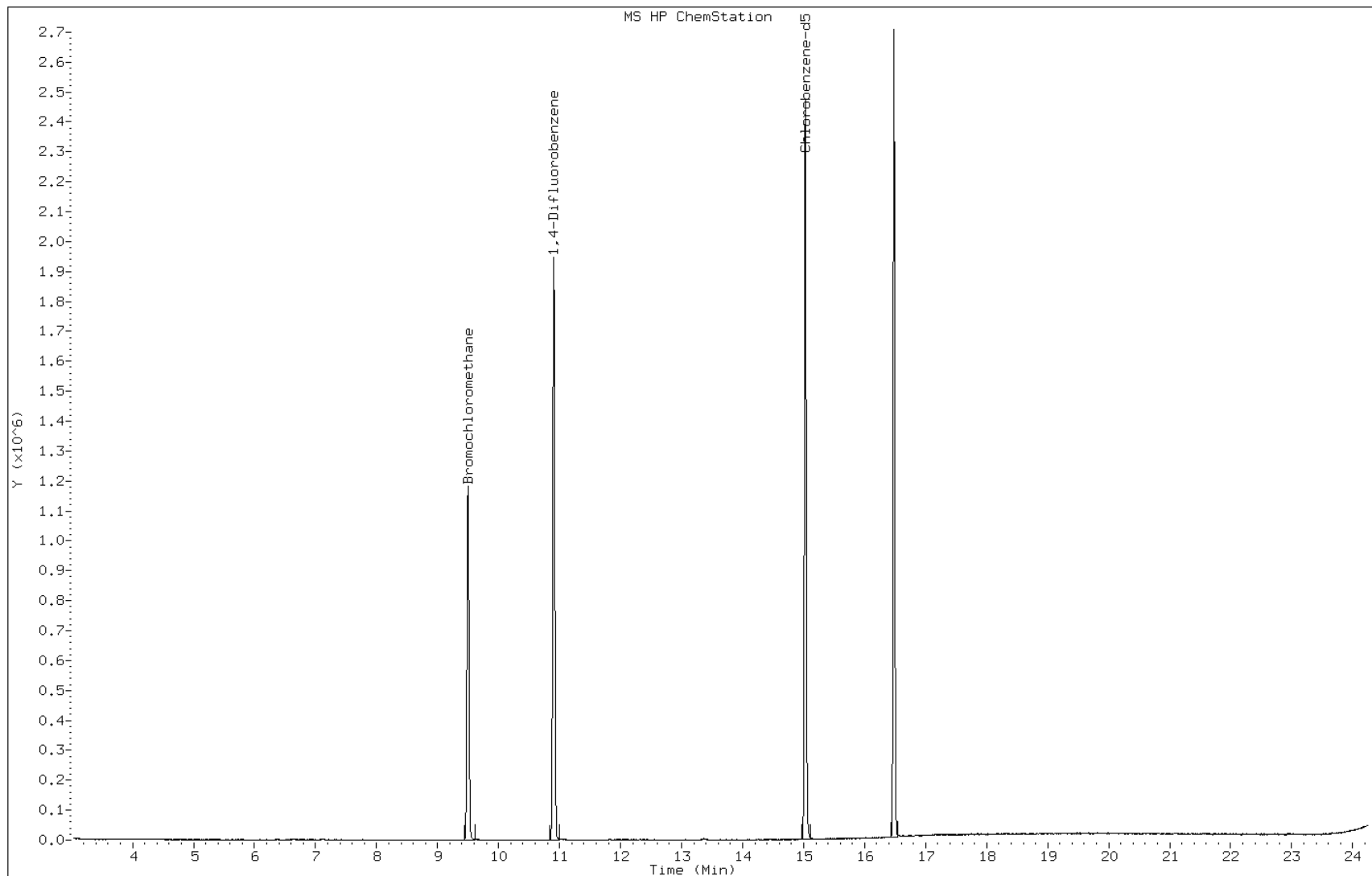
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
11 2-Methylbutane	43				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
14 Pentane	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.499	9.504	(1.000)		485974		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.906	10.911	(1.000)		2279145		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.025	15.031	(1.000)	1912412	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

Data File: gfib005.d
Client ID: mb
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 19-APR-2011 12:25
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Lab File ID: gfi001.d BFB Injection Date: 04/15/2011
 Instrument ID: G.i BFB Injection Time: 08:57
 Analysis Batch No.: 16675

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.1
75	30.0 - 66.0% of mass 95	45.3
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	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	89.9
175	4.0 - 9.0 % of mass 174	6.2 (6.9) 1
176	93.0 - 101.0% of mass 174	87.0 (96.8) 1
177	5.0 - 9.0% of mass 176	5.6 (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
	IC 200-16675/3	gfi003.d	04/15/2011	10:42
	IC 200-16675/4	gfi004.d	04/15/2011	11:33
	IC 200-16675/5	gfi005.d	04/15/2011	12:24
	ICIS 200-16675/7	gfi007.d	04/15/2011	14:07
	IC 200-16675/8	gfi008.d	04/15/2011	14:58
	IC 200-16675/9	gfi009.d	04/15/2011	15:49
	IC 200-16675/10	gfi010.d	04/15/2011	16:40
	ICV 200-16675/12	gfi012.d	04/15/2011	18:23

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Lab File ID: gfib001.d BFB Injection Date: 04/19/2011
 Instrument ID: G.i BFB Injection Time: 08:44
 Analysis Batch No.: 16738

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.5
75	30.0 - 66.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	92.8
175	4.0 - 9.0 % of mass 174	6.5 (7.0) 1
176	93.0 - 101.0% of mass 174	91.5 (98.6) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 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 200-16738/2	gfib002.d	04/19/2011	09:36
	LCS 200-16738/3	gfib003.d	04/19/2011	10:28
	MB 200-16738/5	gfib005.d	04/19/2011	12:25
3576	200-4733-5	gfib026.d	04/20/2011	06:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Lab File ID: gfi001.d BFB Injection Date: 04/15/2011
 Instrument ID: G.i BFB Injection Time: 08:57
 Analysis Batch No.: 16675

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.1
75	30.0 - 66.0% of mass 95	45.3
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	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	89.9
175	4.0 - 9.0 % of mass 174	6.2 (6.9) 1
176	93.0 - 101.0% of mass 174	87.0 (96.8) 1
177	5.0 - 9.0% of mass 176	5.6 (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
	IC 200-16675/3	gfi003.d	04/15/2011	10:42
	IC 200-16675/4	gfi004.d	04/15/2011	11:33
	IC 200-16675/5	gfi005.d	04/15/2011	12:24
	ICIS 200-16675/7	gfi007.d	04/15/2011	14:07
	IC 200-16675/8	gfi008.d	04/15/2011	14:58
	IC 200-16675/9	gfi009.d	04/15/2011	15:49
	IC 200-16675/10	gfi010.d	04/15/2011	16:40
	ICV 200-16675/12	gfi012.d	04/15/2011	18:23

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Lab File ID: gfib001.d BFB Injection Date: 04/19/2011
 Instrument ID: G.i BFB Injection Time: 08:44
 Analysis Batch No.: 16738

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.5
75	30.0 - 66.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	92.8
175	4.0 - 9.0 % of mass 174	6.5 (7.0) 1
176	93.0 - 101.0% of mass 174	91.5 (98.6) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 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 200-16738/2	gfib002.d	04/19/2011	09:36
	LCS 200-16738/3	gfib003.d	04/19/2011	10:28
	MB 200-16738/5	gfib005.d	04/19/2011	12:25
4658	200-4735-5	gfib027.d	04/20/2011	07:16

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
SDG No.: _____
Sample No.: ICIS 200-16675/7 Date Analyzed: 04/15/2011 14:07
Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): gfi007.d Heated Purge: (Y/N) N
Calibration ID: 5980

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	473588	9.50	1945769	10.91	1860739	15.03	
UPPER LIMIT	663023	9.83	2724077	11.24	2605035	15.36	
LOWER LIMIT	284153	9.17	1167461	10.58	1116443	14.70	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-16675/12		497130	9.50	2070213	10.91	1979961	15.03

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Sample No.: CCVIS 200-16738/2 Date Analyzed: 04/19/2011 09:36
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): gfib002.d Heated Purge: (Y/N) N
 Calibration ID: 5980

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		484447	9.50	1813716	10.91	1813676	15.03
UPPER LIMIT		678226	9.83	2539202	11.24	2539146	15.36
LOWER LIMIT		290668	9.17	1088230	10.58	1088206	14.70
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-16738/3		508089	9.50	2256040	10.91	2119902	15.03
MB 200-16738/5		485974	9.50	2279145	10.91	1912412	15.03
200-4733-5	3576	481884	9.50	2217473	10.91	1900490	15.03

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Sample No.: ICIS 200-16675/7 Date Analyzed: 04/15/2011 14:07
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): gfi007.d Heated Purge: (Y/N) N
 Calibration ID: 5980

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	473588	9.50	1945769	10.91	1860739	15.03	
UPPER LIMIT	663023	9.83	2724077	11.24	2605035	15.36	
LOWER LIMIT	284153	9.17	1167461	10.58	1116443	14.70	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-16675/12		497130	9.50	2070213	10.91	1979961	15.03

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Sample No.: CCVIS 200-16738/2 Date Analyzed: 04/19/2011 09:36
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): gfib002.d Heated Purge: (Y/N) N
 Calibration ID: 5980

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		484447	9.50	1813716	10.91	1813676	15.03
UPPER LIMIT		678226	9.83	2539202	11.24	2539146	15.36
LOWER LIMIT		290668	9.17	1088230	10.58	1088206	14.70
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-16738/3		508089	9.50	2256040	10.91	2119902	15.03
MB 200-16738/5		485974	9.50	2279145	10.91	1912412	15.03
200-4735-5	4658	475595	9.49	2249754	10.90	1911219	15.02

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Client Sample ID: 3576 Lab Sample ID: 200-4733-5
 Matrix: Air Lab File ID: gfib026.d
 Analysis Method: TO-15 Date Collected: 04/18/2011 00:00
 Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 06:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Client Sample ID: 3576 Lab Sample ID: 200-4733-5
 Matrix: Air Lab File ID: gfib026.d
 Analysis Method: TO-15 Date Collected: 04/18/2011 00:00
 Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 06:25
 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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
SDG No.: _____
Client Sample ID: 3576 Lab Sample ID: 200-4733-5
Matrix: Air Lab File ID: gfib026.d
Analysis Method: TO-15 Date Collected: 04/18/2011 00:00
Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 06:25
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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4733-5
Client Smp ID: 3576
Inj Date : 20-APR-2011 06:25
Operator : wrd
Smp Info : 200-4733-A-5
Misc Info : 200,1,all74+mn
Comment :
Method : /chem/G.i/Gsvr.p/gfibto15.b/to15v5.m
Meth Date : 20-Apr-2011 09:40 wrd
Cal Date : 15-APR-2011 16:40
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: G.i
Quant Type: ISTD
Cal File: gfi010.d
Compound Sublist: all74+MN.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

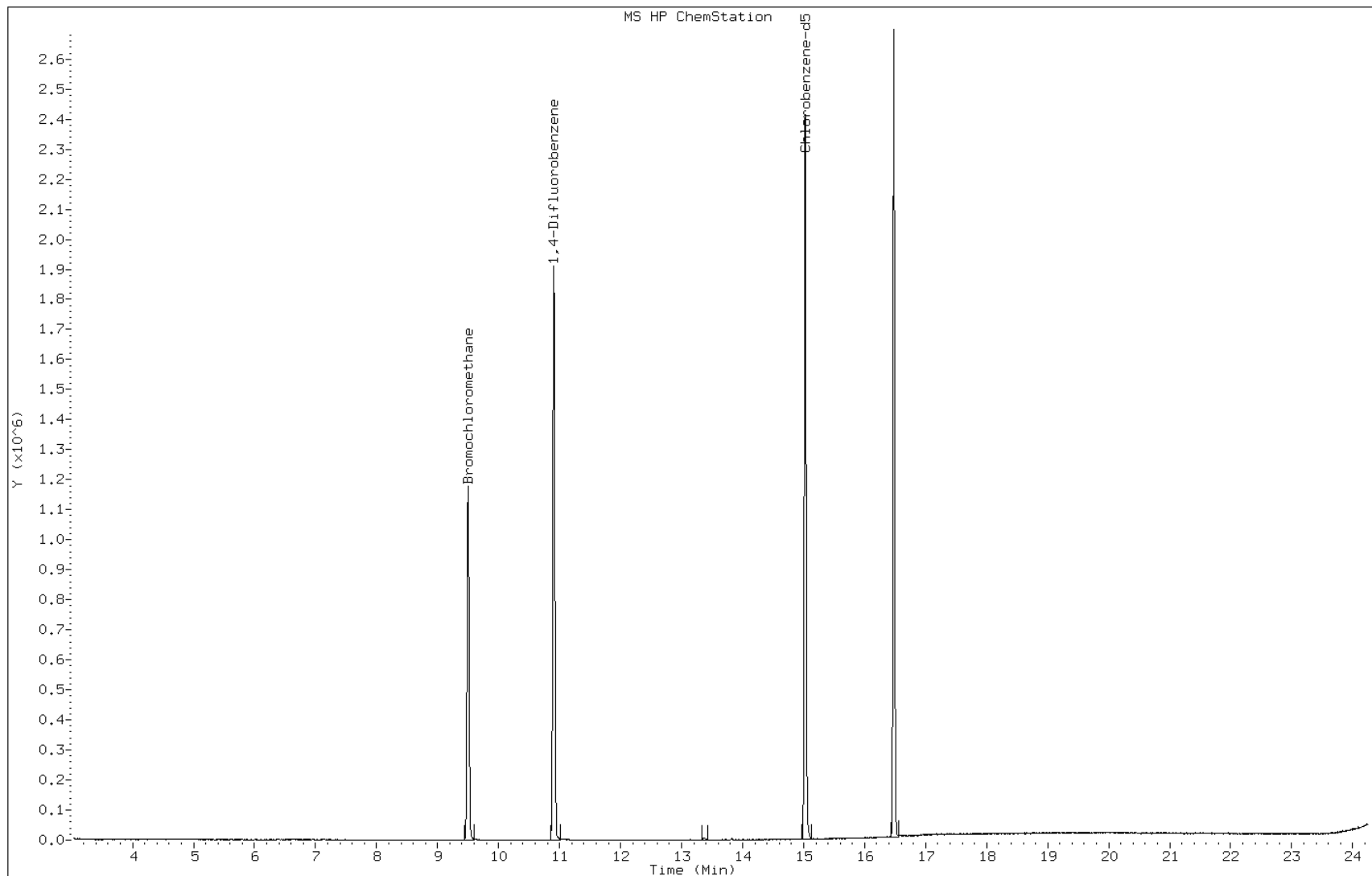
Compounds	QUANT	SIG					CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
	MASS						(ppb v/v)	(ppb v/v)
=====	====		==	=====	=====	=====	=====	=====
1 Propene	41					Compound Not Detected.		
2 Dichlorodifluoromethane	85					Compound Not Detected.		
3 Chlorodifluoromethane	51					Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85					Compound Not Detected.		
5 Chloromethane	50					Compound Not Detected.		
6 Butane	43					Compound Not Detected.		
7 Vinyl chloride	62					Compound Not Detected.		
8 1,3-Butadiene	54					Compound Not Detected.		
9 Bromomethane	94					Compound Not Detected.		
10 Chloroethane	64					Compound Not Detected.		
12 Vinyl bromide	106					Compound Not Detected.		
13 Trichlorofluoromethane	101					Compound Not Detected.		
15 Ethanol	45					Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====		=====		=====	=====
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.505	9.504	(1.000)		481884		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.906	10.911	(1.000)		2217473		10.0000	
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.026	15.031	(1.000)		1900490		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====			=====	=====	
72 Styrene	104						Compound Not Detected.		
73 Bromoform	173						Compound Not Detected.		
74 Isopropylbenzene	105						Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83						Compound Not Detected.		
76 n-Propylbenzene	91						Compound Not Detected.		
79 4-Ethyltoluene	105						Compound Not Detected.		
80 2-Chlorotoluene	91						Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105						Compound Not Detected.		
83 tert-butylbenzene	119						Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105						Compound Not Detected.		
85 sec-Butylbenzene	105						Compound Not Detected.		
86 4-Isopropyltoluene	119						Compound Not Detected.		
87 1,3-Dichlorobenzene	146						Compound Not Detected.		
88 1,4-Dichlorobenzene	146						Compound Not Detected.		
89 Benzyl chloride	91						Compound Not Detected.		
91 n-Butylbenzene	91						Compound Not Detected.		
92 1,2-Dichlorobenzene	146						Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180						Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225						Compound Not Detected.		
96 Naphthalene	128						Compound Not Detected.		

Data File: gfib026.d
Client ID: 3576
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4733-A-5
Lab Sample ID: 200-4733-5

Date: 20-APR-2011 06:25
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Client Sample ID: 4658 Lab Sample ID: 200-4735-5

Matrix: Air Lab File ID: gfib027.d

Analysis Method: TO-15 Date Collected: 04/18/2011 00:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 07:16

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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Client Sample ID: 4658 Lab Sample ID: 200-4735-5

Matrix: Air Lab File ID: gfib027.d

Analysis Method: TO-15 Date Collected: 04/18/2011 00:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 07:16

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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
SDG No.: _____
Client Sample ID: 4658 Lab Sample ID: 200-4735-5
Matrix: Air Lab File ID: gfib027.d
Analysis Method: TO-15 Date Collected: 04/18/2011 00:00
Sample wt/vol: 200 (mL) Date Analyzed: 04/20/2011 07:16
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.: 16738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-4735-5
Client Smp ID: 4658
Inj Date : 20-APR-2011 07:16
Operator : wrd
Smp Info : 200-4735-A-5
Misc Info : 200,1,all74+mn
Comment :
Method : /chem/G.i/Gsvr.p/gfibto15.b/to15v5.m
Meth Date : 20-Apr-2011 09:40 wrd
Cal Date : 15-APR-2011 16:40
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: G.i
Quant Type: ISTD
Cal File: gfi010.d
Compound Sublist: all74+MN.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

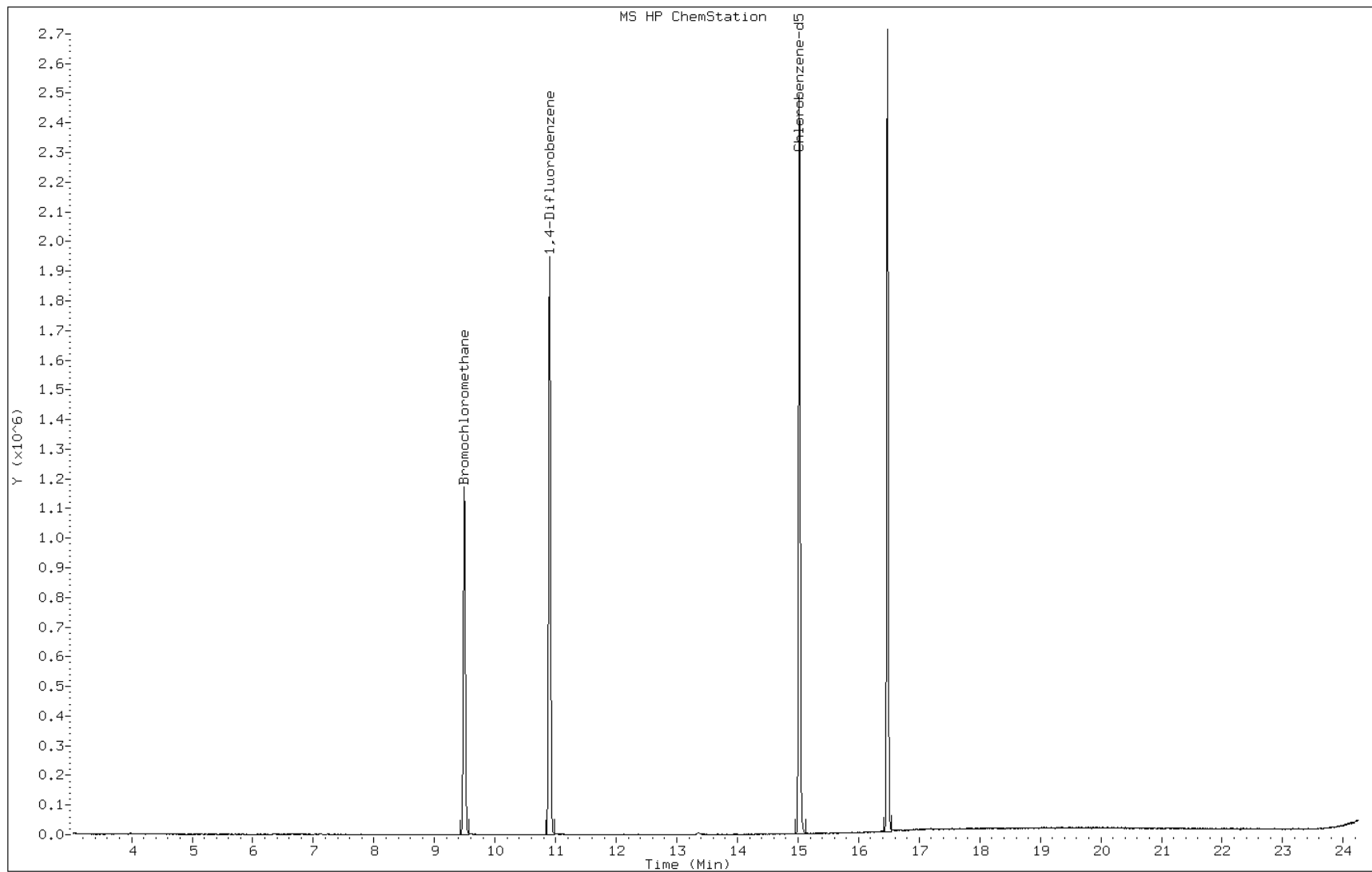
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
15 Ethanol	45				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.494	9.504	(1.000)		475595		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.901	10.911	(1.000)		2249754		10.0000	
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	15.020	15.031	(1.000)		1911219		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		

Data File: gfib027.d
Client ID: 4658
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-4735-A-5
Lab Sample ID: 200-4735-5

Date: 20-APR-2011 07:16
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-16675/3	IC 132519	gfi003.d
Level 2	IC 200-16675/4	ic 132517	gfi004.d
Level 3	IC 200-16675/5	ic 132507	gfi005.d
Level 4	ICIS 200-16675/7	icis 132429	gfi007.d
Level 5	IC 200-16675/8	ic 132422	gfi008.d
Level 6	IC 200-16675/9	ic 132406	gfi009.d
Level 7	IC 200-16675/10	ic 132405	gfi010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.2642	0.2902 0.2371	0.2420	0.2487	0.2492	Ave		0.2552				7.6		30.0			
Dichlorodifluoromethane	++++ 2.0005	1.9867 1.7585	1.9760	1.9356	1.9580	Ave		1.9359				4.6		30.0			
Freon 22	++++ 0.7767	0.7675 0.6961	0.7519	0.7203	0.7552	Ave		0.7446				4.1		30.0			
1,2-Dichlorotetrafluoroethane	1.5200 1.6250	1.6206 1.4396	1.6111	1.5747	1.5984	Ave		1.5699				4.3		30.0			
Chloromethane	++++ 0.3039	0.3130 0.2799	0.2921	0.2837	0.2990	Ave		0.2953				4.2		30.0			
n-Butane	++++ 0.4611	0.4274 0.4214	0.4357	0.4214	0.4407	Ave		0.4346				3.5		30.0			
Vinyl chloride	0.3905 0.4277	0.4179 0.3906	0.4125	0.4058	0.4199	Ave		0.4093				3.5		30.0			
1,3-Butadiene	0.2321 0.2736	0.2631 0.2512	0.2579	0.2567	0.2696	Ave		0.2577				5.3		30.0			
Acrolein	++++ 0.1628	++++ 0.1655	0.1555	0.1428	0.1662	Ave		0.1586				6.2		30.0			
Bromomethane	0.8707 0.7477	0.8249 0.7262	0.7852	0.7693	0.7923	Ave		0.7881				6.1		30.0			
Acetone	++++ 0.6023	++++ 0.6341	0.5755	0.5353	0.6089	Ave		0.5912				6.4		30.0			
Chloroethane	++++ 0.2406	0.2463 0.2395	0.2599	0.2497	0.2588	Ave		0.2491				3.5		30.0			
Isopropyl alcohol	++++ 0.4642	++++ 0.4591	0.4106	0.4168	0.4583	Ave		0.4418				5.9		30.0			
Isopentane	0.4991 0.4119	0.4455 0.3978	0.4167	0.4063	0.4251	Ave		0.4289				8.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.1460	0.1373 0.1357	0.1381	0.1309	0.1465	Ave		0.1391				4.4		30.0			
Acetonitrile	++++ 0.2292	0.2166 0.2416	0.2166	0.2099	0.2345	Ave		0.2264				5.7		30.0			
Bromoethene (Vinyl Bromide)	0.8735 0.8527	0.9132 0.8722	0.8893	0.9143	0.9420	Ave		0.8939				3.5		30.0			
Trichlorofluoromethane	2.9766 3.0113	3.0700 2.7579	3.0232	2.9530	3.0136	Ave		2.9722				3.4		30.0			
tert-Butyl alcohol	++++ 0.9047	++++ 0.8663	0.8113	0.8451	0.9031	Ave		0.8661				4.6		30.0			
n-Pentane	++++ 0.7116	0.7103 0.6604	0.6920	0.6851	0.7003	Ave		0.6933				2.8		30.0			
Ethyl ether	0.3295 0.3232	0.3359 0.3323	0.3110	0.2932	0.3282	Ave		0.3219				4.6		30.0			
Vinyl acetate	++++ 0.9726	++++ 0.9979	0.9022	0.8849	0.9881	Ave		0.9492				5.5		30.0			
Freon TF	1.8568 1.9135	1.9104 1.7159	1.9277	1.8900	1.8966	Ave		1.8730				3.9		30.0			
1,1-Dichloroethene	0.7648 0.8110	0.7926 0.7411	0.7872	0.7710	0.8112	Ave		0.7827				3.3		30.0			
Ethyl acetate	++++ 0.0445	++++ 0.0470	0.0426	0.0394	0.0448	Ave		0.0436				6.5		30.0			
Carbon disulfide	++++ 2.1742	2.2022 1.9795	2.1223	2.0826	2.1522	Ave		2.1188				3.8		30.0			
Tetrahydrofuran	++++ 0.0984	++++ 0.0859	0.0787	0.0772	0.0842	Ave		0.0849				9.9		30.0			
3-Chloropropene	0.4726 0.5158	0.4880 0.4870	0.4862	0.4853	0.4950	Ave		0.4900				2.7		30.0			
Methylene Chloride	++++ 0.6047	0.6812 0.5599	0.5922	0.5939	0.5921	Ave		0.6040				6.7		30.0			
Methyl tert-butyl ether	1.8795 1.7644	1.8406 1.8075	1.6192	1.5481	1.7833	Ave		1.7489				6.9		30.0			
trans-1,2-Dichloroethene	0.9382 0.9948	0.9869 0.9159	0.9985	0.9802	0.9812	Ave		0.9708				3.2		30.0			
Acrylonitrile	++++ 0.2915	0.2975 0.3023	0.2748	0.2629	0.2942	Ave		0.2872				5.3		30.0			
n-Hexane	0.8009 0.7980	0.7820 0.7344	0.7940	0.7787	0.7858	Ave		0.7820				2.9		30.0			
n-Butanol	++++ 0.0614	++++ 0.0485	0.0446	0.0490	0.0508	Ave		0.0509				12.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethane	1.2785 1.2115	1.2107 1.1121	1.1938	1.1558	1.1793	Ave		1.1917				4.3		30.0			
1,4-Dioxane	++++ 0.0798	++++ 0.0678	0.0641	0.0675	0.0681	Ave		0.0695				8.6		30.0			
cis-1,2-Dichloroethene	0.9285 0.8959	0.9415 0.8061	0.8968	0.8709	0.8817	Ave		0.8888				5.0		30.0			
Methyl Ethyl Ketone	++++ 0.2409	0.2723 0.2398	0.2243	0.2154	0.2413	Ave		0.2390				8.1		30.0			
Chloroform	2.0114 1.9854	2.0799 1.8283	1.9652	1.8839	1.9292	Ave		1.9547				4.3		30.0			
1,1,1-Trichloroethane	0.5354 0.6329	0.5484 0.4804	0.5690	0.5631	0.5309	Ave		0.5514				8.4		30.0			
Cyclohexane	0.2371 0.2617	0.2278 0.1943	0.2398	0.2410	0.2252	Ave		0.2324				8.8		30.0			
Carbon tetrachloride	0.6194 0.7813	0.6210 0.6055	0.6840	0.6860	0.6550	Ave		0.6646				9.1		30.0			
2,2,4-Trimethylpentane	0.5748 0.6645	0.5713 0.5096	0.5972	0.5799	0.5626	Ave		0.5800				8.0		30.0			
Benzene	0.5290 0.5545	0.5131 0.4330	0.4977	0.4710	0.4701	Ave		0.4955				8.3		30.0			
1,2-Dichloroethane	0.2587 0.3169	0.2784 0.2549	0.2736	0.2637	0.2647	Ave		0.2730				7.7		30.0			
n-Heptane	0.1743 0.1965	0.1726 0.1553	0.1752	0.1712	0.1670	Ave		0.1732				7.1		30.0			
Trichloroethene	0.3053 0.3449	0.3040 0.2612	0.3080	0.2995	0.2908	Ave		0.3020				8.2		30.0			
1,2-Dichloropropane	0.1603 0.1707	0.1644 0.1382	0.1476	0.1457	0.1470	Ave		0.1534				7.7		30.0			
Methyl methacrylate	++++ 0.1484	0.1169 0.1308	0.1116	0.1139	0.1264	Ave		0.1247				11.1		30.0			
Dibromomethane	0.2949 0.3436	0.2856 0.2640	0.2980	0.2906	0.2868	Ave		0.2948				8.2		30.0			
Bromodichloromethane	0.4582 0.5677	0.4737 0.4556	0.4943	0.4840	0.4875	Ave		0.4887				7.7		30.0			
cis-1,3-Dichloropropene	0.2594 0.3431	0.2884 0.2807	0.2899	0.2862	0.2953	Ave		0.2919				8.7		30.0			
methyl isobutyl ketone	++++ 0.2117	0.1622 0.1771	0.1741	0.1816	0.1860	Ave		0.1821				9.1		30.0			
n-Undecane	++++ 0.2651	++++ 0.3029	0.2377	0.2550	0.2521	Ave		0.2625				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Octane	0.2283 0.2500	0.2397 0.1999	0.2333	0.2260	0.2200	Ave		0.2282				6.9		30.0			
Toluene	0.4398 0.4074	0.4630 0.3363	0.4089	0.3780	0.3834	Ave		0.4024				10.4		30.0			
trans-1,3-Dichloropropene	0.2877 0.3711	0.2958 0.3107	0.3085	0.3070	0.3187	Ave		0.3142				8.6		30.0			
1,1,2-Trichloroethane	0.2274 0.2239	0.2252 0.1917	0.2135	0.2062	0.2085	Ave		0.2138				6.0		30.0			
Tetrachloroethene	0.4823 0.4766	0.4687 0.3942	0.4610	0.4445	0.4397	Ave		0.4525				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2079	0.1485 0.1810	0.1761	0.1907	0.1931	Ave		0.1829				11.0		30.0			
n-Dodecane	++++ 0.2218	++++ 0.1404	0.1655	0.1901	0.1948	Ave		0.1825				16.9		30.0			
Dibromochloromethane	0.5050 0.6792	0.5495 0.5810	0.6123	0.6123	0.6276	Ave		0.5953				9.5		30.0			
1,2-Dibromoethane	0.4425 0.5098	0.4631 0.4379	0.4715	0.4613	0.4730	Ave		0.4656				5.1		30.0			
Chlorobenzene	0.6644 0.6821	0.6808 0.5914	0.6487	0.6236	0.6399	Ave		0.6473				5.0		30.0			
Ethylbenzene	0.9229 0.9233	0.9773 0.8043	0.8870	0.8483	0.8796	Ave		0.8918				6.3		30.0			
n-Nonane	0.2778 0.2784	0.3002 0.2380	0.2780	0.2661	0.2672	Ave		0.2723				6.9		30.0			
m,p-Xylene	0.3791 0.3704	0.3962 0.3157	0.3654	0.3449	0.3531	Ave		0.3607				7.2		30.0			
Xylene, o-	0.4089 0.3833	0.4082 0.3315	0.3715	0.3540	0.3647	Ave		0.3746				7.5		30.0			
Styrene	0.4659 0.5814	0.4685 0.5143	0.5214	0.5160	0.5473	Ave		0.5164				7.9		30.0			
Bromoform	0.4465 0.6455	0.4872 0.5346	0.5914	0.5942	0.6078	Ave		0.5582				12.8		30.0			
Cumene	1.1137 1.1217	1.1776 0.9941	1.0822	1.0317	1.0714	Ave		1.0846				5.6		30.0			
1,1,2,2-Tetrachloroethane	0.5490 0.5417	0.5734 0.4649	0.5288	0.5082	0.5196	Ave		0.5265				6.5		30.0			
n-Propylbenzene	1.1210 1.1824	1.2639 0.9912	1.1681	1.1157	1.1411	Ave		1.1405				7.3		30.0			
1,2,3-Trichloropropane	++++ 0.3716	0.4374 0.3105	0.3739	0.3539	0.3598	Ave		0.3679				11.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Decane	++++ 0.3409	0.2924 0.2966	0.3172	0.3072	0.3299	Ave		0.3140				6.0		30.0			
4-Ethyltoluene	0.9513 1.1194	1.0907 0.9809	1.0580	1.0153	1.0679	Ave		1.0405				5.8		30.0			
2-Chlorotoluene	1.0183 1.0201	1.0682 0.8773	0.9966	0.9507	0.9721	Ave		0.9862				6.2		30.0			
1,3,5-Trimethylbenzene	0.8907 0.9544	0.9752 0.8442	0.9000	0.8640	0.9124	Ave		0.9059				5.1		30.0			
Alpha Methyl Styrene	0.3118 0.5192	0.3622 0.4696	0.4478	0.4555	0.4874	Ave		0.4362				16.8		30.0			
tert-Butylbenzene	0.9365 0.9434	1.0174 0.8376	0.9055	0.8547	0.8989	Ave		0.9134				6.6		30.0			
1,2,4-Trimethylbenzene	0.8232 0.9667	0.9428 0.8616	0.9045	0.8705	0.9218	Ave		0.8987				5.6		30.0			
sec-Butylbenzene	1.2456 1.3543	1.3917 1.1876	1.2850	1.2280	1.2896	Ave		1.2831				5.6		30.0			
1,2,4-Trichlorobenzene	++++ 0.4139	0.1267 0.4178	0.2324	0.2872	0.3600	Ave		0.3063				37.2	*	30.0			
4-Isopropyltoluene	0.8920 1.1915	1.1329 1.0579	1.0868	1.0394	1.1178	Ave		1.0741				8.8		30.0			
1,3-Dichlorobenzene	0.5296 0.7306	0.5912 0.6597	0.6380	0.6404	0.6812	Ave		0.6387				10.1		30.0			
1,4-Dichlorobenzene	0.4824 0.7166	0.5081 0.6533	0.6006	0.6139	0.6625	Ave		0.6053				13.9		30.0			
Benzyl chloride	0.3761 0.8006	0.4443 0.7597	0.6149	0.6552	0.7411	Ave		0.6274				25.9		30.0			
n-Butylbenzene	0.5243 0.9315	0.6796 0.8024	0.8402	0.8100	0.8776	Ave		0.7808				17.6		30.0			
1,2-Dichlorobenzene	0.5595 0.7123	0.5995 0.6401	0.6466	0.6329	0.6695	Ave		0.6372				7.7		30.0			
Hexachlorobutadiene	0.2853 0.4249	0.3307 0.3189	0.4088	0.3900	0.4035	Ave		0.3660				14.7		30.0			
Naphthalene	++++ 0.8332	0.2918 0.8675	0.5021	0.6144	0.7385	Ave		0.6412				34.1	*	30.0			
1,2,3-Trichlorobenzene	0.1451 0.3611	0.1426 0.3397	0.2303	0.2712	0.3168	Ave		0.2581				34.6	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-16675/3	gfi003.d
Level 2	IC 200-16675/4	gfi004.d
Level 3	IC 200-16675/5	gfi005.d
Level 4	ICIS 200-16675/7	gfi007.d
Level 5	IC 200-16675/8	gfi008.d
Level 6	IC 200-16675/9	gfi009.d
Level 7	IC 200-16675/10	gfi010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 253642	6967 467032	56736	117769	179029	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 1920619	47693 3464058	463221	916672	1406494	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 745683	18425 1371289	176264	341117	542508	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 14791 1560043	38905 2835980	377683	745761	1148131	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 291731	7515 551329	68473	134353	214779	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 442708	10260 830157	102141	199561	316561	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	3800 410605	10032 769395	96706	192172	301643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	2259 262684	6315 494847	60464	121579	193643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 156270	++++ 326045	36463	67631	119359	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	8473 717818	19804 1430567	184083	364327	569157	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 578263	++++ 1249088	134908	253533	437348	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 230990	5912 471840	60931	118276	185881	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 445694	++++ 904371	96262	197378	329240	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	4857 395484	10694 783590	97679	192405	305364	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 280311	32950 668395	64759	93010	140267	++++ 40.0	5.00 100	10.0	15.0	20.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetonitrile	BCM	Ave	++++ 220072	++++ 476014	50779	99399	168430	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	8500 818671	21923 1718100	208473	433008	676654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	28965 2890959	73701 5432840	708712	1398489	2164698	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 868514	++++ 1706637	190199	400206	648714	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Pentane	BCM	Ave	++++ 683186	17053 1300991	162222	324456	503021	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl ether	BCM	Ave	3206 310335	8064 654679	72917	138867	235751	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 933749	++++ 1965861	211501	419100	709786	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	18069 1837018	45862 3380131	451918	895092	1362387	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	7442 778592	19027 1459915	184534	365155	582693	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 42712	++++ 92525	9984	18658	32177	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 2087358	52868 3899423	497533	986318	1545959	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 352968	++++ 753083	77429	150298	263514	++++ 20.0	++++ 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	4599 495199	11714 959427	113974	229826	355552	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 580531	16353 1103022	138833	281275	425315	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	18289 1693955	44187 3560738	379587	733142	1280972	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	9130 955024	23693 1804287	234075	464220	704822	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 279886	7143 595486	64426	124484	211294	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	7794 766103	18774 1446638	186145	368797	564470	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 220334	++++ 424693	43868	95370	158812	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	12441 1163134	29064 2190836	279855	547351	847135	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 286212	++++ 594031	63101	131428	213071	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	BCM	Ave	9035 860104	22601 1588055	210243	412425	633310	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 231242	6536 472317	52573	102009	173301	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	19573 1906070	49931 3601643	460701	892170	1385757	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22950 2269710	57775 4209378	559837	1095707	1661022	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	10161 938634	24000 1702689	235915	469004	704636	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	26552 2802212	65423 5305525	673050	1334843	2049334	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	24639 2383058	60188 4464940	587625	1128296	1760166	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	22674 1988670	54057 3794364	489737	916506	1470917	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	11088 1136558	29324 2233575	269228	513083	828299	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	7470 704614	18180 1360956	172398	333080	522624	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	13086 1237043	32025 2288749	303046	582838	909930	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	6869 612378	17318 1210744	145246	283531	460030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 532176	12318 1145936	109791	221578	395442	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	12639 1232248	30083 2312971	293219	565473	897270	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	19640 2036185	49900 3992317	486365	941671	1525239	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	11118 1230563	30380 2459304	285293	556813	923923	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 759418	17086 1551800	171295	353330	581871	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 966878	++++ 2549605	221176	474420	750774	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	9785 896568	25251 1751285	229599	439780	688415	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	17472 1485943	45269 2830347	380585	703396	1141982	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	12334 1330971	31164 2722660	303562	597398	997108	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBZ	Ave	9033 816594	22017 1613795	198734	383687	621086	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	19161 1738521	45830 3317923	429080	827116	1309767	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 758289	14521 1523186	163847	354774	575299	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	+++++ 808916	+++++ 1181898	153993	353750	580151	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	20066 2477286	53728 4890456	569806	1139278	1869465	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	17581 1859430	45274 3685621	438840	858284	1408968	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	26396 2487868	66562 4977445	603757	1160401	1905857	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	36668 3367618	95552 6769437	825535	1578380	2619891	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	11038 1015579	29352 2003252	258710	495205	796020	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	30128 2702303	77483 5313744	680042	1283571	2103504	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	16248 1397865	39914 2790063	345736	658638	1086140	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	18510 2120632	45806 4328721	485257	960186	1630235	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	17741 2354565	47638 4499190	550407	1105636	1810271	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	44250 4091248	115140 8366865	1007130	1919651	3191387	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	21811 1975731	56061 3913231	492121	945608	1547790	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	44537 4312803	123574 8342823	1087146	2076083	3398775	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1355390	42769 2613507	348018	658485	1071645	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	+++++ 1243383	28586 2496157	295162	571538	982606	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	37796 4082862	106636 8256249	984599	1889197	3180858	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	40457 3720642	104439 7384079	927491	1768964	2895510	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	35387 3481237	95343 7105689	837582	1607756	2717769	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4733-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Alpha Methyl Styrene	CBZ	Ave	12390 1893893	35412 3952199	416755	847537	1451740	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	37208 3440778	99470 7050028	842678	1590306	2677521	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	32706 3525989	92179 7251669	841743	1619808	2745678	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	49491 4939486	136064 9995415	1195860	2285023	3841118	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1509669	12384 3516902	216244	534402	1072406	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	35441 4345992	110768 8903909	1011451	1934140	3329572	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	21041 2664836	57806 5552232	593763	1191536	2028955	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	19166 2613725	49680 5498964	558962	1142230	1973301	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	14941 2919941	43442 6393919	572230	1219182	2207324	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	20833 3397609	66447 6753960	781950	1507108	2613871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	22229 2598015	58615 5387776	601744	1177607	1994285	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	11334 1549696	32330 2684394	380444	725651	1201776	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 3039107	28526 7301393	467325	1143183	2199599	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	5765 1317078	13942 2859296	214346	504706	943575	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-16675/3	IC 132519	gfi003.d
Level 2	IC 200-16675/4	ic 132517	gfi004.d
Level 3	IC 200-16675/5	ic 132507	gfi005.d
Level 4	ICIS 200-16675/7	icis 132429	gfi007.d
Level 5	IC 200-16675/8	ic 132422	gfi008.d
Level 6	IC 200-16675/9	ic 132406	gfi009.d
Level 7	IC 200-16675/10	ic 132405	gfi010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.2642	0.2902 0.2371	0.2420	0.2487	0.2492	Ave		0.2552				7.6		30.0			
Dichlorodifluoromethane	++++ 2.0005	1.9867 1.7585	1.9760	1.9356	1.9580	Ave		1.9359				4.6		30.0			
Freon 22	++++ 0.7767	0.7675 0.6961	0.7519	0.7203	0.7552	Ave		0.7446				4.1		30.0			
1,2-Dichlorotetrafluoroethane	1.5200 1.6250	1.6206 1.4396	1.6111	1.5747	1.5984	Ave		1.5699				4.3		30.0			
Chloromethane	++++ 0.3039	0.3130 0.2799	0.2921	0.2837	0.2990	Ave		0.2953				4.2		30.0			
n-Butane	++++ 0.4611	0.4274 0.4214	0.4357	0.4214	0.4407	Ave		0.4346				3.5		30.0			
Vinyl chloride	0.3905 0.4277	0.4179 0.3906	0.4125	0.4058	0.4199	Ave		0.4093				3.5		30.0			
1,3-Butadiene	0.2321 0.2736	0.2631 0.2512	0.2579	0.2567	0.2696	Ave		0.2577				5.3		30.0			
Acrolein	++++ 0.1628	++++ 0.1655	0.1555	0.1428	0.1662	Ave		0.1586				6.2		30.0			
Bromomethane	0.8707 0.7477	0.8249 0.7262	0.7852	0.7693	0.7923	Ave		0.7881				6.1		30.0			
Acetone	++++ 0.6023	++++ 0.6341	0.5755	0.5353	0.6089	Ave		0.5912				6.4		30.0			
Chloroethane	++++ 0.2406	0.2463 0.2395	0.2599	0.2497	0.2588	Ave		0.2491				3.5		30.0			
Isopropyl alcohol	++++ 0.4642	++++ 0.4591	0.4106	0.4168	0.4583	Ave		0.4418				5.9		30.0			
Isopentane	0.4991 0.4119	0.4455 0.3978	0.4167	0.4063	0.4251	Ave		0.4289				8.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.1460	0.1373 0.1357	0.1381	0.1309	0.1465	Ave		0.1391				4.4		30.0			
Acetonitrile	++++ 0.2292	0.2166 0.2416	0.2166	0.2099	0.2345	Ave		0.2264				5.7		30.0			
Bromoethene (Vinyl Bromide)	0.8735 0.8527	0.9132 0.8722	0.8893	0.9143	0.9420	Ave		0.8939				3.5		30.0			
Trichlorofluoromethane	2.9766 3.0113	3.0700 2.7579	3.0232	2.9530	3.0136	Ave		2.9722				3.4		30.0			
tert-Butyl alcohol	++++ 0.9047	++++ 0.8663	0.8113	0.8451	0.9031	Ave		0.8661				4.6		30.0			
n-Pentane	++++ 0.7116	0.7103 0.6604	0.6920	0.6851	0.7003	Ave		0.6933				2.8		30.0			
Ethyl ether	0.3295 0.3232	0.3359 0.3323	0.3110	0.2932	0.3282	Ave		0.3219				4.6		30.0			
Vinyl acetate	++++ 0.9726	++++ 0.9979	0.9022	0.8849	0.9881	Ave		0.9492				5.5		30.0			
Freon TF	1.8568 1.9135	1.9104 1.7159	1.9277	1.8900	1.8966	Ave		1.8730				3.9		30.0			
1,1-Dichloroethene	0.7648 0.8110	0.7926 0.7411	0.7872	0.7710	0.8112	Ave		0.7827				3.3		30.0			
Ethyl acetate	++++ 0.0445	++++ 0.0470	0.0426	0.0394	0.0448	Ave		0.0436				6.5		30.0			
Carbon disulfide	++++ 2.1742	2.2022 1.9795	2.1223	2.0826	2.1522	Ave		2.1188				3.8		30.0			
Tetrahydrofuran	++++ 0.0984	++++ 0.0859	0.0787	0.0772	0.0842	Ave		0.0849				9.9		30.0			
3-Chloropropene	0.4726 0.5158	0.4880 0.4870	0.4862	0.4853	0.4950	Ave		0.4900				2.7		30.0			
Methylene Chloride	++++ 0.6047	0.6812 0.5599	0.5922	0.5939	0.5921	Ave		0.6040				6.7		30.0			
Methyl tert-butyl ether	1.8795 1.7644	1.8406 1.8075	1.6192	1.5481	1.7833	Ave		1.7489				6.9		30.0			
trans-1,2-Dichloroethene	0.9382 0.9948	0.9869 0.9159	0.9985	0.9802	0.9812	Ave		0.9708				3.2		30.0			
Acrylonitrile	++++ 0.2915	0.2975 0.3023	0.2748	0.2629	0.2942	Ave		0.2872				5.3		30.0			
n-Hexane	0.8009 0.7980	0.7820 0.7344	0.7940	0.7787	0.7858	Ave		0.7820				2.9		30.0			
n-Butanol	++++ 0.0614	++++ 0.0485	0.0446	0.0490	0.0508	Ave		0.0509				12.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethane	1.2785 1.2115	1.2107 1.1121	1.1938	1.1558	1.1793	Ave		1.1917				4.3		30.0			
1,4-Dioxane	++++ 0.0798	++++ 0.0678	0.0641	0.0675	0.0681	Ave		0.0695				8.6		30.0			
cis-1,2-Dichloroethene	0.9285 0.8959	0.9415 0.8061	0.8968	0.8709	0.8817	Ave		0.8888				5.0		30.0			
Methyl Ethyl Ketone	++++ 0.2409	++++ 0.2723 0.2398	0.2243	0.2154	0.2413	Ave		0.2390				8.1		30.0			
Chloroform	2.0114 1.9854	2.0799 1.8283	1.9652	1.8839	1.9292	Ave		1.9547				4.3		30.0			
1,1,1-Trichloroethane	0.5354 0.6329	0.5484 0.4804	0.5690	0.5631	0.5309	Ave		0.5514				8.4		30.0			
Cyclohexane	0.2371 0.2617	0.2278 0.1943	0.2398	0.2410	0.2252	Ave		0.2324				8.8		30.0			
Carbon tetrachloride	0.6194 0.7813	0.6210 0.6055	0.6840	0.6860	0.6550	Ave		0.6646				9.1		30.0			
2,2,4-Trimethylpentane	0.5748 0.6645	0.5713 0.5096	0.5972	0.5799	0.5626	Ave		0.5800				8.0		30.0			
Benzene	0.5290 0.5545	0.5131 0.4330	0.4977	0.4710	0.4701	Ave		0.4955				8.3		30.0			
1,2-Dichloroethane	0.2587 0.3169	0.2784 0.2549	0.2736	0.2637	0.2647	Ave		0.2730				7.7		30.0			
n-Heptane	0.1743 0.1965	0.1726 0.1553	0.1752	0.1712	0.1670	Ave		0.1732				7.1		30.0			
Trichloroethene	0.3053 0.3449	0.3040 0.2612	0.3080	0.2995	0.2908	Ave		0.3020				8.2		30.0			
1,2-Dichloropropane	0.1603 0.1707	0.1644 0.1382	0.1476	0.1457	0.1470	Ave		0.1534				7.7		30.0			
Methyl methacrylate	++++ 0.1484	0.1169 0.1308	0.1116	0.1139	0.1264	Ave		0.1247				11.1		30.0			
Dibromomethane	0.2949 0.3436	0.2856 0.2640	0.2980	0.2906	0.2868	Ave		0.2948				8.2		30.0			
Bromodichloromethane	0.4582 0.5677	0.4737 0.4556	0.4943	0.4840	0.4875	Ave		0.4887				7.7		30.0			
cis-1,3-Dichloropropene	0.2594 0.3431	0.2884 0.2807	0.2899	0.2862	0.2953	Ave		0.2919				8.7		30.0			
methyl isobutyl ketone	++++ 0.2117	0.1622 0.1771	0.1741	0.1816	0.1860	Ave		0.1821				9.1		30.0			
n-Undecane	++++ 0.2651	++++ 0.3029	0.2377	0.2550	0.2521	Ave		0.2625				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Octane	0.2283 0.2500	0.2397 0.1999	0.2333	0.2260	0.2200	Ave		0.2282				6.9		30.0			
Toluene	0.4398 0.4074	0.4630 0.3363	0.4089	0.3780	0.3834	Ave		0.4024				10.4		30.0			
trans-1,3-Dichloropropene	0.2877 0.3711	0.2958 0.3107	0.3085	0.3070	0.3187	Ave		0.3142				8.6		30.0			
1,1,2-Trichloroethane	0.2274 0.2239	0.2252 0.1917	0.2135	0.2062	0.2085	Ave		0.2138				6.0		30.0			
Tetrachloroethene	0.4823 0.4766	0.4687 0.3942	0.4610	0.4445	0.4397	Ave		0.4525				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2079	0.1485 0.1810	0.1761	0.1907	0.1931	Ave		0.1829				11.0		30.0			
n-Dodecane	+++++ 0.2218	+++++ 0.1404	0.1655	0.1901	0.1948	Ave		0.1825				16.9		30.0			
Dibromochloromethane	0.5050 0.6792	0.5495 0.5810	0.6123	0.6123	0.6276	Ave		0.5953				9.5		30.0			
1,2-Dibromoethane	0.4425 0.5098	0.4631 0.4379	0.4715	0.4613	0.4730	Ave		0.4656				5.1		30.0			
Chlorobenzene	0.6644 0.6821	0.6808 0.5914	0.6487	0.6236	0.6399	Ave		0.6473				5.0		30.0			
Ethylbenzene	0.9229 0.9233	0.9773 0.8043	0.8870	0.8483	0.8796	Ave		0.8918				6.3		30.0			
n-Nonane	0.2778 0.2784	0.3002 0.2380	0.2780	0.2661	0.2672	Ave		0.2723				6.9		30.0			
m,p-Xylene	0.3791 0.3704	0.3962 0.3157	0.3654	0.3449	0.3531	Ave		0.3607				7.2		30.0			
Xylene, o-	0.4089 0.3833	0.4082 0.3315	0.3715	0.3540	0.3647	Ave		0.3746				7.5		30.0			
Styrene	0.4659 0.5814	0.4685 0.5143	0.5214	0.5160	0.5473	Ave		0.5164				7.9		30.0			
Bromoform	0.4465 0.6455	0.4872 0.5346	0.5914	0.5942	0.6078	Ave		0.5582				12.8		30.0			
Cumene	1.1137 1.1217	1.1776 0.9941	1.0822	1.0317	1.0714	Ave		1.0846				5.6		30.0			
1,1,2,2-Tetrachloroethane	0.5490 0.5417	0.5734 0.4649	0.5288	0.5082	0.5196	Ave		0.5265				6.5		30.0			
n-Propylbenzene	1.1210 1.1824	1.2639 0.9912	1.1681	1.1157	1.1411	Ave		1.1405				7.3		30.0			
1,2,3-Trichloropropane	+++++ 0.3716	0.4374 0.3105	0.3739	0.3539	0.3598	Ave		0.3679				11.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Decane	++++ 0.3409	0.2924 0.2966	0.3172	0.3072	0.3299	Ave		0.3140				6.0		30.0			
4-Ethyltoluene	0.9513 1.1194	1.0907 0.9809	1.0580	1.0153	1.0679	Ave		1.0405				5.8		30.0			
2-Chlorotoluene	1.0183 1.0201	1.0682 0.8773	0.9966	0.9507	0.9721	Ave		0.9862				6.2		30.0			
1,3,5-Trimethylbenzene	0.8907 0.9544	0.9752 0.8442	0.9000	0.8640	0.9124	Ave		0.9059				5.1		30.0			
Alpha Methyl Styrene	0.3118 0.5192	0.3622 0.4696	0.4478	0.4555	0.4874	Ave		0.4362				16.8		30.0			
tert-Butylbenzene	0.9365 0.9434	1.0174 0.8376	0.9055	0.8547	0.8989	Ave		0.9134				6.6		30.0			
1,2,4-Trimethylbenzene	0.8232 0.9667	0.9428 0.8616	0.9045	0.8705	0.9218	Ave		0.8987				5.6		30.0			
sec-Butylbenzene	1.2456 1.3543	1.3917 1.1876	1.2850	1.2280	1.2896	Ave		1.2831				5.6		30.0			
1,2,4-Trichlorobenzene	++++ 0.4139	0.1267 0.4178	0.2324	0.2872	0.3600	Ave		0.3063				37.2	*	30.0			
4-Isopropyltoluene	0.8920 1.1915	1.1329 1.0579	1.0868	1.0394	1.1178	Ave		1.0741				8.8		30.0			
1,3-Dichlorobenzene	0.5296 0.7306	0.5912 0.6597	0.6380	0.6404	0.6812	Ave		0.6387				10.1		30.0			
1,4-Dichlorobenzene	0.4824 0.7166	0.5081 0.6533	0.6006	0.6139	0.6625	Ave		0.6053				13.9		30.0			
Benzyl chloride	0.3761 0.8006	0.4443 0.7597	0.6149	0.6552	0.7411	Ave		0.6274				25.9		30.0			
n-Butylbenzene	0.5243 0.9315	0.6796 0.8024	0.8402	0.8100	0.8776	Ave		0.7808				17.6		30.0			
1,2-Dichlorobenzene	0.5595 0.7123	0.5995 0.6401	0.6466	0.6329	0.6695	Ave		0.6372				7.7		30.0			
Hexachlorobutadiene	0.2853 0.4249	0.3307 0.3189	0.4088	0.3900	0.4035	Ave		0.3660				14.7		30.0			
Naphthalene	++++ 0.8332	0.2918 0.8675	0.5021	0.6144	0.7385	Ave		0.6412				34.1	*	30.0			
1,2,3-Trichlorobenzene	0.1451 0.3611	0.1426 0.3397	0.2303	0.2712	0.3168	Ave		0.2581				34.6	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-16675/3	gfi003.d
Level 2	IC 200-16675/4	gfi004.d
Level 3	IC 200-16675/5	gfi005.d
Level 4	ICIS 200-16675/7	gfi007.d
Level 5	IC 200-16675/8	gfi008.d
Level 6	IC 200-16675/9	gfi009.d
Level 7	IC 200-16675/10	gfi010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 253642	6967 467032	56736	117769	179029	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dichlorodifluoromethane	BCM	Ave	++++ 1920619	47693 3464058	463221	916672	1406494	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Freon 22	BCM	Ave	++++ 745683	18425 1371289	176264	341117	542508	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 14791 1560043	38905 2835980	377683	745761	1148131	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	++++ 291731	7515 551329	68473	134353	214779	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Butane	BCM	Ave	++++ 442708	10260 830157	102141	199561	316561	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	3800 410605	10032 769395	96706	192172	301643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	2259 262684	6315 494847	60464	121579	193643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrolein	BCM	Ave	++++ 156270	++++ 326045	36463	67631	119359	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	8473 717818	19804 1430567	184083	364327	569157	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	++++ 578263	++++ 1249088	134908	253533	437348	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	++++ 230990	5912 471840	60931	118276	185881	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropyl alcohol	BCM	Ave	++++ 445694	++++ 904371	96262	197378	329240	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Isopentane	BCM	Ave	4857 395484	10694 783590	97679	192405	305364	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethanol	BCM	Ave	++++ 280311	32950 668395	64759	93010	140267	++++ 40.0	5.00 100	10.0	15.0	20.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetonitrile	BCM	Ave	++++ 220072	++++ 476014	50779	99399	168430	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Bromoethene (Vinyl Bromide)	BCM	Ave	8500 818671	21923 1718100	208473	433008	676654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	28965 2890959	73701 5432840	708712	1398489	2164698	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	++++ 868514	++++ 1706637	190199	400206	648714	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Pentane	BCM	Ave	++++ 683186	17053 1300991	162222	324456	503021	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl ether	BCM	Ave	3206 310335	8064 654679	72917	138867	235751	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl acetate	BCM	Ave	++++ 933749	++++ 1965861	211501	419100	709786	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Freon TF	BCM	Ave	18069 1837018	45862 3380131	451918	895092	1362387	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	7442 778592	19027 1459915	184534	365155	582693	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethyl acetate	BCM	Ave	++++ 42712	++++ 92525	9984	18658	32177	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	++++ 2087358	52868 3899423	497533	986318	1545959	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	++++ 352968	++++ 753083	77429	150298	263514	++++ 20.0	++++ 40.0	5.00	10.0	15.0
3-Chloropropene	BCM	Ave	4599 495199	11714 959427	113974	229826	355552	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methylene Chloride	BCM	Ave	++++ 580531	16353 1103022	138833	281275	425315	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	18289 1693955	44187 3560738	379587	733142	1280972	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,2-Dichloroethene	BCM	Ave	9130 955024	23693 1804287	234075	464220	704822	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acrylonitrile	BCM	Ave	++++ 279886	7143 595486	64426	124484	211294	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	7794 766103	18774 1446638	186145	368797	564470	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butanol	DFB	Ave	++++ 220334	++++ 424693	43868	95370	158812	++++ 20.0	++++ 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	12441 1163134	29064 2190836	279855	547351	847135	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	++++ 286212	++++ 594031	63101	131428	213071	++++ 20.0	++++ 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	BCM	Ave	9035 860104	22601 1588055	210243	412425	633310	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	++++ 231242	6536 472317	52573	102009	173301	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	19573 1906070	49931 3601643	460701	892170	1385757	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22950 2269710	57775 4209378	559837	1095707	1661022	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	10161 938634	24000 1702689	235915	469004	704636	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	26552 2802212	65423 5305525	673050	1334843	2049334	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	24639 2383058	60188 4464940	587625	1128296	1760166	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	22674 1988670	54057 3794364	489737	916506	1470917	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	11088 1136558	29324 2233575	269228	513083	828299	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	7470 704614	18180 1360956	172398	333080	522624	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	13086 1237043	32025 2288749	303046	582838	909930	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	6869 612378	17318 1210744	145246	283531	460030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	++++ 532176	12318 1145936	109791	221578	395442	++++ 20.0	0.500 40.0	5.00	10.0	15.0
Dibromomethane	DFB	Ave	12639 1232248	30083 2312971	293219	565473	897270	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromodichloromethane	DFB	Ave	19640 2036185	49900 3992317	486365	941671	1525239	0.200 20.0	0.500 40.0	5.00	10.0	15.0
cis-1,3-Dichloropropene	DFB	Ave	11118 1230563	30380 2459304	285293	556813	923923	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	++++ 759418	17086 1551800	171295	353330	581871	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Undecane	CBZ	Ave	++++ 966878	++++ 2549605	221176	474420	750774	++++ 20.0	++++ 40.0	5.00	10.0	15.0
n-Octane	DFB	Ave	9785 896568	25251 1751285	229599	439780	688415	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	17472 1485943	45269 2830347	380585	703396	1141982	0.200 20.0	0.500 40.0	5.00	10.0	15.0
trans-1,3-Dichloropropene	DFB	Ave	12334 1330971	31164 2722660	303562	597398	997108	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBZ	Ave	9033 816594	22017 1613795	198734	383687	621086	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	19161 1738521	45830 3317923	429080	827116	1309767	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 758289	14521 1523186	163847	354774	575299	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Dodecane	CBZ	Ave	++++ 808916	++++ 1181898	153993	353750	580151	++++ 20.0	++++ 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	20066 2477286	53728 4890456	569806	1139278	1869465	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	17581 1859430	45274 3685621	438840	858284	1408968	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	26396 2487868	66562 4977445	603757	1160401	1905857	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	36668 3367618	95552 6769437	825535	1578380	2619891	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Nonane	CBZ	Ave	11038 1015579	29352 2003252	258710	495205	796020	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m,p-Xylene	CBZ	Ave	30128 2702303	77483 5313744	680042	1283571	2103504	0.400 40.0	1.00 80.0	10.0	20.0	30.0
Xylene, o-	CBZ	Ave	16248 1397865	39914 2790063	345736	658638	1086140	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	18510 2120632	45806 4328721	485257	960186	1630235	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	17741 2354565	47638 4499190	550407	1105636	1810271	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cumene	CBZ	Ave	44250 4091248	115140 8366865	1007130	1919651	3191387	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	21811 1975731	56061 3913231	492121	945608	1547790	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Propylbenzene	CBZ	Ave	44537 4312803	123574 8342823	1087146	2076083	3398775	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1355390	42769 2613507	348018	658485	1071645	++++ 20.0	0.500 40.0	5.00	10.0	15.0
n-Decane	CBZ	Ave	++++ 1243383	28586 2496157	295162	571538	982606	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	37796 4082862	106636 8256249	984599	1889197	3180858	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	40457 3720642	104439 7384079	927491	1768964	2895510	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	35387 3481237	95343 7105689	837582	1607756	2717769	0.200 20.0	0.500 40.0	5.00	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-4735-1 Analy Batch No.: 16675

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2011 10:42 Calibration End Date: 04/15/2011 16:40 Calibration ID: 5980

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Alpha Methyl Styrene	CBZ	Ave	12390 1893893	35412 3952199	416755	847537	1451740	0.200 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butylbenzene	CBZ	Ave	37208 3440778	99470 7050028	842678	1590306	2677521	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	32706 3525989	92179 7251669	841743	1619808	2745678	0.200 20.0	0.500 40.0	5.00	10.0	15.0
sec-Butylbenzene	CBZ	Ave	49491 4939486	136064 9995415	1195860	2285023	3841118	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1509669	12384 3516902	216244	534402	1072406	++++ 20.0	0.500 40.0	5.00	10.0	15.0
4-Isopropyltoluene	CBZ	Ave	35441 4345992	110768 8903909	1011451	1934140	3329572	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	21041 2664836	57806 5552232	593763	1191536	2028955	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dichlorobenzene	CBZ	Ave	19166 2613725	49680 5498964	558962	1142230	1973301	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzyl chloride	CBZ	Ave	14941 2919941	43442 6393919	572230	1219182	2207324	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Butylbenzene	CBZ	Ave	20833 3397609	66447 6753960	781950	1507108	2613871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	22229 2598015	58615 5387776	601744	1177607	1994285	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	11334 1549696	32330 2684394	380444	725651	1201776	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Naphthalene	CBZ	Ave	++++ 3039107	28526 7301393	467325	1143183	2199599	++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2,3-Trichlorobenzene	CBZ	Ave	5765 1317078	13942 2859296	214346	504706	943575	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1

SDG No.: _____

Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2552	0.2463		9.65	10.0	-3.5	30.0
Dichlorodifluoromethane	Ave	1.936	1.912		9.88	10.0	-1.2	30.0
Freon 22	Ave	0.7446	0.7472		10.0	10.0	0.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.570	1.596		10.2	10.0	1.7	30.0
Chloromethane	Ave	0.2953	0.2978		10.1	10.0	0.9	30.0
n-Butane	Ave	0.4346	0.4393		10.1	10.0	1.1	30.0
Vinyl chloride	Ave	0.4093	0.4141		10.1	10.0	1.2	30.0
1,3-Butadiene	Ave	0.2577	0.2748		10.7	10.0	6.6	30.0
Bromomethane	Ave	0.7881	0.7030		8.92	10.0	-10.8	30.0
Chloroethane	Ave	0.2491	0.2411		9.67	10.0	-3.2	30.0
Isopentane	Ave	0.4289	0.4148		9.67	10.0	-3.3	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8939	0.9359		10.5	10.0	4.7	30.0
Trichlorofluoromethane	Ave	2.972	2.952		9.93	10.0	-0.7	30.0
n-Pentane	Ave	0.6933	0.6865		9.90	10.0	-1.0	30.0
Ethanol	Ave	0.1391	0.1358		14.7	15.0	-2.4	30.0
Ethyl ether	Ave	0.3219	0.2981		9.26	10.0	-7.4	30.0
Acrolein	Ave	0.1586	0.1352		8.52	10.0	-14.7	30.0
Freon TF	Ave	1.873	2.022		10.8	10.0	7.9	30.0
1,1-Dichloroethene	Ave	0.7827	0.8700		11.1	10.0	11.1	30.0
Acetone	Ave	0.5912	0.5703		9.64	10.0	-3.5	30.0
Isopropyl alcohol	Ave	0.4418	0.4215		9.54	10.0	-4.6	30.0
Carbon disulfide	Ave	2.119	2.139		10.1	10.0	1.0	30.0
3-Chloropropene	Ave	0.4900	0.4999		10.2	10.0	2.0	30.0
Acetonitrile	Ave	0.2264	0.2266		10.0	10.0	0.1	30.0
Methylene Chloride	Ave	0.6040	0.6399		10.6	10.0	5.9	30.0
tert-Butyl alcohol	Ave	0.8661	0.8159		9.42	10.0	-5.8	30.0
Methyl tert-butyl ether	Ave	1.749	1.635		9.35	10.0	-6.5	30.0
trans-1,2-Dichloroethene	Ave	0.9708	0.9861		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.2872	0.2795		9.73	10.0	-2.7	30.0
n-Hexane	Ave	0.7820	0.7942		10.2	10.0	1.6	30.0
1,1-Dichloroethane	Ave	1.192	1.180		9.90	10.0	-1.0	30.0
Vinyl acetate	Ave	0.9492	0.9200		9.69	10.0	-3.1	30.0
cis-1,2-Dichloroethene	Ave	0.8888	0.9027		10.2	10.0	1.6	30.0
Methyl Ethyl Ketone	Ave	0.2390	0.2265		9.48	10.0	-5.2	30.0
Ethyl acetate	Ave	0.0436	0.0432		9.89	10.0	-1.0	30.0
Tetrahydrofuran	Ave	0.0849	0.0811		9.55	10.0	-4.5	30.0
Chloroform	Ave	1.955	1.893		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.5514	0.5490		9.95	10.0	-0.5	30.0
Cyclohexane	Ave	0.2324	0.2364		10.2	10.0	1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1

SDG No.: _____

Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6646	0.6587		9.91	10.0	-0.9	30.0
2,2,4-Trimethylpentane	Ave	0.5800	0.5906		10.2	10.0	1.8	30.0
Benzene	Ave	0.4955	0.4833		9.75	10.0	-2.5	30.0
1,2-Dichloroethane	Ave	0.2730	0.2654		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.1732	0.1746		10.1	10.0	0.8	30.0
n-Butanol	Ave	0.0509	0.0461		9.06	10.0	-9.4	30.0
Trichloroethene	Ave	0.3020	0.2932		9.71	10.0	-2.9	30.0
1,2-Dichloropropane	Ave	0.1534	0.1440		9.39	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1247	0.1167		9.36	10.0	-6.4	30.0
1,4-Dioxane	Ave	0.0695	0.0603		8.68	10.0	-13.2	30.0
Dibromomethane	Ave	0.2948	0.2914		9.88	10.0	-1.1	30.0
Bromodichloromethane	Ave	0.4887	0.4945		10.1	10.0	1.2	30.0
cis-1,3-Dichloropropene	Ave	0.2919	0.2820		9.66	10.0	-3.4	30.0
methyl isobutyl ketone	Ave	0.1821	0.1788		9.82	10.0	-1.8	30.0
n-Octane	Ave	0.2282	0.2244		9.83	10.0	-1.7	30.0
Toluene	Ave	0.4024	0.3749		9.32	10.0	-6.8	30.0
trans-1,3-Dichloropropene	Ave	0.3142	0.2991		9.52	10.0	-4.8	30.0
1,1,2-Trichloroethane	Ave	0.2138	0.1942		9.08	10.0	-9.2	30.0
Tetrachloroethene	Ave	0.4525	0.4347		9.61	10.0	-3.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1829	0.1822		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.5953	0.6175		10.4	10.0	3.7	30.0
1,2-Dibromoethane	Ave	0.4656	0.4431		9.52	10.0	-4.8	30.0
Chlorobenzene	Ave	0.6473	0.6037		9.33	10.0	-6.7	30.0
Ethylbenzene	Ave	0.8918	0.8364		9.38	10.0	-6.2	30.0
n-Nonane	Ave	0.2723	0.2614		9.60	10.0	-4.0	30.0
m,p-Xylene	Ave	0.3607	0.3360		18.6	20.0	-6.8	30.0
Xylene, o-	Ave	0.3746	0.3423		9.14	10.0	-8.6	30.0
Styrene	Ave	0.5164	0.5037		9.75	10.0	-2.5	30.0
Bromoform	Ave	0.5582	0.5841		10.5	10.0	4.6	30.0
Cumene	Ave	1.085	1.020		9.40	10.0	-6.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5265	0.4777		9.07	10.0	-9.3	30.0
n-Propylbenzene	Ave	1.140	1.103		9.67	10.0	-3.3	30.0
1,2,3-Trichloropropane	Ave	0.3679	0.3436		9.34	10.0	-6.6	30.0
n-Decane	Ave	0.3140	0.3142		10.0	10.0	0.0	30.0
4-Ethyltoluene	Ave	1.040	1.023		9.83	10.0	-1.7	30.0
2-Chlorotoluene	Ave	0.9862	0.9360		9.49	10.0	-5.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9059	0.8376		9.24	10.0	-7.5	30.0
Alpha Methyl Styrene	Ave	0.4362	0.4432		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	0.9134	0.8597		9.41	10.0	-5.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23
 Instrument ID: G.i Calib Start Date: 04/15/2011 10:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40
 Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8987	0.8290		9.22	10.0	-7.8	30.0
sec-Butylbenzene	Ave	1.283	1.219		9.50	10.0	-5.0	30.0
4-Isopropyltoluene	Ave	1.074	1.049		9.76	10.0	-2.3	30.0
1,3-Dichlorobenzene	Ave	0.6387	0.6146		9.62	10.0	-3.8	30.0
1,4-Dichlorobenzene	Ave	0.6053	0.5910		9.76	10.0	-2.4	30.0
Benzyl chloride	Ave	0.6274	0.6254		9.97	10.0	-0.3	30.0
n-Undecane	Ave	0.2625	0.2295		8.74	10.0	-12.6	30.0
n-Butylbenzene	Ave	0.7808	0.8099		10.4	10.0	3.7	30.0
1,2-Dichlorobenzene	Ave	0.6372	0.5903		9.26	10.0	-7.4	30.0
n-Dodecane	Ave	0.1825	0.1671		9.15	10.0	-8.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.2514		8.21	10.0	-17.9	30.0
Hexachlorobutadiene	Ave	0.3660	0.3573		9.76	10.0	-2.4	30.0
Naphthalene	Ave	0.6412	0.5576		8.69	10.0	-13.0	30.0
1,2,3-Trichlorobenzene	Ave	0.2581	0.2428		9.41	10.0	-5.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1

SDG No.: _____

Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2552	0.2559		10.0	10.0	0.3	30.0
Dichlorodifluoromethane	Ave	1.936	1.983		10.2	10.0	2.4	30.0
Freon 22	Ave	0.7446	0.7573		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.570	1.622		10.3	10.0	3.3	30.0
Chloromethane	Ave	0.2953	0.3012		10.2	10.0	2.0	30.0
n-Butane	Ave	0.4346	0.4475		10.3	10.0	3.0	30.0
Vinyl chloride	Ave	0.4093	0.4261		10.4	10.0	4.1	30.0
1,3-Butadiene	Ave	0.2577	0.2655		10.3	10.0	3.0	30.0
Bromomethane	Ave	0.7881	0.8032		10.2	10.0	1.9	30.0
Chloroethane	Ave	0.2491	0.2595		10.4	10.0	4.1	30.0
Isopentane	Ave	0.4289	0.4271		9.96	10.0	-0.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8939	0.9639		10.8	10.0	7.8	30.0
Trichlorofluoromethane	Ave	2.972	3.044		10.2	10.0	2.4	30.0
n-Pentane	Ave	0.6933	0.7108		10.3	10.0	2.5	30.0
Ethanol	Ave	0.1391	0.1352		14.6	15.0	-2.8	30.0
Ethyl ether	Ave	0.3219	0.2922		9.08	10.0	-9.2	30.0
Acrolein	Ave	0.1586	0.1496		9.44	10.0	-5.6	30.0
Freon TF	Ave	1.873	1.944		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.7827	0.8169		10.4	10.0	4.4	30.0
Acetone	Ave	0.5912	0.5379		9.10	10.0	-9.0	30.0
Isopropyl alcohol	Ave	0.4418	0.4179		9.46	10.0	-5.4	30.0
Carbon disulfide	Ave	2.119	2.219		10.5	10.0	4.7	30.0
3-Chloropropene	Ave	0.4900	0.5038		10.3	10.0	2.8	30.0
Acetonitrile	Ave	0.2264	0.2065		9.12	10.0	-8.8	30.0
Methylene Chloride	Ave	0.6040	0.6046		10.0	10.0	0.1	30.0
tert-Butyl alcohol	Ave	0.8661	0.8423		9.72	10.0	-2.7	30.0
Methyl tert-butyl ether	Ave	1.749	1.542		8.82	10.0	-11.8	30.0
trans-1,2-Dichloroethene	Ave	0.9708	1.018		10.5	10.0	4.9	30.0
Acrylonitrile	Ave	0.2872	0.2621		9.12	10.0	-8.8	30.0
n-Hexane	Ave	0.7820	0.8106		10.4	10.0	3.7	30.0
1,1-Dichloroethane	Ave	1.192	1.213		10.2	10.0	1.8	30.0
Vinyl acetate	Ave	0.9492	0.8708		9.17	10.0	-8.3	30.0
cis-1,2-Dichloroethene	Ave	0.8888	0.9236		10.4	10.0	3.9	30.0
Methyl Ethyl Ketone	Ave	0.2390	0.2137		8.94	10.0	-10.6	30.0
Ethyl acetate	Ave	0.0436	0.0398		9.11	10.0	-8.9	30.0
Tetrahydrofuran	Ave	0.0849	0.0840		9.90	10.0	-1.0	30.0
Chloroform	Ave	1.955	1.957		10.0	10.0	0.1	30.0
1,1,1-Trichloroethane	Ave	0.5514	0.6349		11.5	10.0	15.1	30.0
Cyclohexane	Ave	0.2324	0.2705		11.6	10.0	16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1

SDG No.: _____

Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6646	0.7720		11.6	10.0	16.1	30.0
2,2,4-Trimethylpentane	Ave	0.5800	0.6645		11.5	10.0	14.6	30.0
Benzene	Ave	0.4955	0.5398		10.9	10.0	8.9	30.0
1,2-Dichloroethane	Ave	0.2730	0.2949		10.8	10.0	8.0	30.0
n-Heptane	Ave	0.1732	0.1943		11.2	10.0	12.2	30.0
n-Butanol	Ave	0.0509	0.0554		10.9	10.0	8.9	30.0
Trichloroethene	Ave	0.3020	0.3431		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.1534	0.1630		10.6	10.0	6.2	30.0
Methyl methacrylate	Ave	0.1247	0.1232		9.88	10.0	-1.1	30.0
1,4-Dioxane	Ave	0.0695	0.0750		10.8	10.0	7.9	30.0
Dibromomethane	Ave	0.2948	0.3380		11.5	10.0	14.7	30.0
Bromodichloromethane	Ave	0.4887	0.5414		11.1	10.0	10.8	30.0
cis-1,3-Dichloropropene	Ave	0.2919	0.3200		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.1821	0.2009		11.0	10.0	10.3	30.0
n-Octane	Ave	0.2282	0.2478		10.9	10.0	8.6	30.0
Toluene	Ave	0.4024	0.4085		10.1	10.0	1.5	30.0
trans-1,3-Dichloropropene	Ave	0.3142	0.3389		10.8	10.0	7.8	30.0
1,1,2-Trichloroethane	Ave	0.2138	0.2188		10.2	10.0	2.3	30.0
Tetrachloroethene	Ave	0.4525	0.4808		10.6	10.0	6.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1829	0.2004		11.0	10.0	9.6	30.0
Dibromochloromethane	Ave	0.5953	0.6466		10.9	10.0	8.6	30.0
1,2-Dibromoethane	Ave	0.4656	0.4896		10.5	10.0	5.2	30.0
Chlorobenzene	Ave	0.6473	0.6675		10.3	10.0	3.1	30.0
Ethylbenzene	Ave	0.8918	0.8845		9.92	10.0	-0.8	30.0
n-Nonane	Ave	0.2723	0.2762		10.1	10.0	1.5	30.0
m,p-Xylene	Ave	0.3607	0.3610		20.0	20.0	0.0	30.0
Xylene, o-	Ave	0.3746	0.3727		9.95	10.0	-0.5	30.0
Styrene	Ave	0.5164	0.5423		10.5	10.0	5.0	30.0
Bromoform	Ave	0.5582	0.6256		11.2	10.0	12.1	30.0
Cumene	Ave	1.085	1.063		9.80	10.0	-2.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5265	0.5246		9.96	10.0	-0.4	30.0
n-Propylbenzene	Ave	1.140	1.143		10.0	10.0	0.2	30.0
1,2,3-Trichloropropane	Ave	0.3679	0.3629		9.86	10.0	-1.4	30.0
n-Decane	Ave	0.3140	0.3098		9.86	10.0	-1.3	30.0
4-Ethyltoluene	Ave	1.040	1.046		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.9862	0.9861		10.0	10.0	-0.0	30.0
1,3,5-Trimethylbenzene	Ave	0.9059	0.8910		9.83	10.0	-1.6	30.0
Alpha Methyl Styrene	Ave	0.4362	0.4683		10.7	10.0	7.4	30.0
tert-Butylbenzene	Ave	0.9134	0.8859		9.70	10.0	-3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4733-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36
 Instrument ID: G.i Calib Start Date: 04/15/2011 10:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40
 Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8987	0.8951		9.96	10.0	-0.4	30.0
sec-Butylbenzene	Ave	1.283	1.266		9.86	10.0	-1.4	30.0
4-Isopropyltoluene	Ave	1.074	1.078		10.0	10.0	0.4	30.0
1,3-Dichlorobenzene	Ave	0.6387	0.6826		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	0.6053	0.6507		10.7	10.0	7.5	30.0
Benzyl chloride	Ave	0.6274	0.6823		10.9	10.0	8.8	30.0
n-Undecane	Ave	0.2625	0.2579		9.82	10.0	-1.8	30.0
n-Butylbenzene	Ave	0.7808	0.8331		10.7	10.0	6.7	30.0
1,2-Dichlorobenzene	Ave	0.6372	0.6678		10.5	10.0	4.8	30.0
n-Dodecane	Ave	0.1825	0.1943		10.6	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.2953		9.64	10.0	-3.6	30.0
Hexachlorobutadiene	Ave	0.3660	0.3966		10.8	10.0	8.4	30.0
Naphthalene	Ave	0.6412	0.6431		10.0	10.0	0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2581	0.2822		10.9	10.0	9.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2552	0.2463		9.65	10.0	-3.5	30.0
Dichlorodifluoromethane	Ave	1.936	1.912		9.88	10.0	-1.2	30.0
Freon 22	Ave	0.7446	0.7472		10.0	10.0	0.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.570	1.596		10.2	10.0	1.7	30.0
Chloromethane	Ave	0.2953	0.2978		10.1	10.0	0.9	30.0
n-Butane	Ave	0.4346	0.4393		10.1	10.0	1.1	30.0
Vinyl chloride	Ave	0.4093	0.4141		10.1	10.0	1.2	30.0
1,3-Butadiene	Ave	0.2577	0.2748		10.7	10.0	6.6	30.0
Bromomethane	Ave	0.7881	0.7030		8.92	10.0	-10.8	30.0
Chloroethane	Ave	0.2491	0.2411		9.67	10.0	-3.2	30.0
Isopentane	Ave	0.4289	0.4148		9.67	10.0	-3.3	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8939	0.9359		10.5	10.0	4.7	30.0
Trichlorofluoromethane	Ave	2.972	2.952		9.93	10.0	-0.7	30.0
n-Pentane	Ave	0.6933	0.6865		9.90	10.0	-1.0	30.0
Ethanol	Ave	0.1391	0.1358		14.7	15.0	-2.4	30.0
Ethyl ether	Ave	0.3219	0.2981		9.26	10.0	-7.4	30.0
Acrolein	Ave	0.1586	0.1352		8.52	10.0	-14.7	30.0
Freon TF	Ave	1.873	2.022		10.8	10.0	7.9	30.0
1,1-Dichloroethene	Ave	0.7827	0.8700		11.1	10.0	11.1	30.0
Acetone	Ave	0.5912	0.5703		9.64	10.0	-3.5	30.0
Isopropyl alcohol	Ave	0.4418	0.4215		9.54	10.0	-4.6	30.0
Carbon disulfide	Ave	2.119	2.139		10.1	10.0	1.0	30.0
3-Chloropropene	Ave	0.4900	0.4999		10.2	10.0	2.0	30.0
Acetonitrile	Ave	0.2264	0.2266		10.0	10.0	0.1	30.0
Methylene Chloride	Ave	0.6040	0.6399		10.6	10.0	5.9	30.0
tert-Butyl alcohol	Ave	0.8661	0.8159		9.42	10.0	-5.8	30.0
Methyl tert-butyl ether	Ave	1.749	1.635		9.35	10.0	-6.5	30.0
trans-1,2-Dichloroethene	Ave	0.9708	0.9861		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.2872	0.2795		9.73	10.0	-2.7	30.0
n-Hexane	Ave	0.7820	0.7942		10.2	10.0	1.6	30.0
1,1-Dichloroethane	Ave	1.192	1.180		9.90	10.0	-1.0	30.0
Vinyl acetate	Ave	0.9492	0.9200		9.69	10.0	-3.1	30.0
cis-1,2-Dichloroethene	Ave	0.8888	0.9027		10.2	10.0	1.6	30.0
Methyl Ethyl Ketone	Ave	0.2390	0.2265		9.48	10.0	-5.2	30.0
Ethyl acetate	Ave	0.0436	0.0432		9.89	10.0	-1.0	30.0
Tetrahydrofuran	Ave	0.0849	0.0811		9.55	10.0	-4.5	30.0
Chloroform	Ave	1.955	1.893		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.5514	0.5490		9.95	10.0	-0.5	30.0
Cyclohexane	Ave	0.2324	0.2364		10.2	10.0	1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6646	0.6587		9.91	10.0	-0.9	30.0
2,2,4-Trimethylpentane	Ave	0.5800	0.5906		10.2	10.0	1.8	30.0
Benzene	Ave	0.4955	0.4833		9.75	10.0	-2.5	30.0
1,2-Dichloroethane	Ave	0.2730	0.2654		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.1732	0.1746		10.1	10.0	0.8	30.0
n-Butanol	Ave	0.0509	0.0461		9.06	10.0	-9.4	30.0
Trichloroethene	Ave	0.3020	0.2932		9.71	10.0	-2.9	30.0
1,2-Dichloropropane	Ave	0.1534	0.1440		9.39	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1247	0.1167		9.36	10.0	-6.4	30.0
1,4-Dioxane	Ave	0.0695	0.0603		8.68	10.0	-13.2	30.0
Dibromomethane	Ave	0.2948	0.2914		9.88	10.0	-1.1	30.0
Bromodichloromethane	Ave	0.4887	0.4945		10.1	10.0	1.2	30.0
cis-1,3-Dichloropropene	Ave	0.2919	0.2820		9.66	10.0	-3.4	30.0
methyl isobutyl ketone	Ave	0.1821	0.1788		9.82	10.0	-1.8	30.0
n-Octane	Ave	0.2282	0.2244		9.83	10.0	-1.7	30.0
Toluene	Ave	0.4024	0.3749		9.32	10.0	-6.8	30.0
trans-1,3-Dichloropropene	Ave	0.3142	0.2991		9.52	10.0	-4.8	30.0
1,1,2-Trichloroethane	Ave	0.2138	0.1942		9.08	10.0	-9.2	30.0
Tetrachloroethene	Ave	0.4525	0.4347		9.61	10.0	-3.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1829	0.1822		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.5953	0.6175		10.4	10.0	3.7	30.0
1,2-Dibromoethane	Ave	0.4656	0.4431		9.52	10.0	-4.8	30.0
Chlorobenzene	Ave	0.6473	0.6037		9.33	10.0	-6.7	30.0
Ethylbenzene	Ave	0.8918	0.8364		9.38	10.0	-6.2	30.0
n-Nonane	Ave	0.2723	0.2614		9.60	10.0	-4.0	30.0
m,p-Xylene	Ave	0.3607	0.3360		18.6	20.0	-6.8	30.0
Xylene, o-	Ave	0.3746	0.3423		9.14	10.0	-8.6	30.0
Styrene	Ave	0.5164	0.5037		9.75	10.0	-2.5	30.0
Bromoform	Ave	0.5582	0.5841		10.5	10.0	4.6	30.0
Cumene	Ave	1.085	1.020		9.40	10.0	-6.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5265	0.4777		9.07	10.0	-9.3	30.0
n-Propylbenzene	Ave	1.140	1.103		9.67	10.0	-3.3	30.0
1,2,3-Trichloropropane	Ave	0.3679	0.3436		9.34	10.0	-6.6	30.0
n-Decane	Ave	0.3140	0.3142		10.0	10.0	0.0	30.0
4-Ethyltoluene	Ave	1.040	1.023		9.83	10.0	-1.7	30.0
2-Chlorotoluene	Ave	0.9862	0.9360		9.49	10.0	-5.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9059	0.8376		9.24	10.0	-7.5	30.0
Alpha Methyl Styrene	Ave	0.4362	0.4432		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	0.9134	0.8597		9.41	10.0	-5.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Lab Sample ID: ICV 200-16675/12 Calibration Date: 04/15/2011 18:23
 Instrument ID: G.i Calib Start Date: 04/15/2011 10:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40
 Lab File ID: gfi012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: icv 133740

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8987	0.8290		9.22	10.0	-7.8	30.0
sec-Butylbenzene	Ave	1.283	1.219		9.50	10.0	-5.0	30.0
4-Isopropyltoluene	Ave	1.074	1.049		9.76	10.0	-2.3	30.0
1,3-Dichlorobenzene	Ave	0.6387	0.6146		9.62	10.0	-3.8	30.0
1,4-Dichlorobenzene	Ave	0.6053	0.5910		9.76	10.0	-2.4	30.0
Benzyl chloride	Ave	0.6274	0.6254		9.97	10.0	-0.3	30.0
n-Undecane	Ave	0.2625	0.2295		8.74	10.0	-12.6	30.0
n-Butylbenzene	Ave	0.7808	0.8099		10.4	10.0	3.7	30.0
1,2-Dichlorobenzene	Ave	0.6372	0.5903		9.26	10.0	-7.4	30.0
n-Dodecane	Ave	0.1825	0.1671		9.15	10.0	-8.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.2514		8.21	10.0	-17.9	30.0
Hexachlorobutadiene	Ave	0.3660	0.3573		9.76	10.0	-2.4	30.0
Naphthalene	Ave	0.6412	0.5576		8.69	10.0	-13.0	30.0
1,2,3-Trichlorobenzene	Ave	0.2581	0.2428		9.41	10.0	-5.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2552	0.2559		10.0	10.0	0.3	30.0
Dichlorodifluoromethane	Ave	1.936	1.983		10.2	10.0	2.4	30.0
Freon 22	Ave	0.7446	0.7573		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.570	1.622		10.3	10.0	3.3	30.0
Chloromethane	Ave	0.2953	0.3012		10.2	10.0	2.0	30.0
n-Butane	Ave	0.4346	0.4475		10.3	10.0	3.0	30.0
Vinyl chloride	Ave	0.4093	0.4261		10.4	10.0	4.1	30.0
1,3-Butadiene	Ave	0.2577	0.2655		10.3	10.0	3.0	30.0
Bromomethane	Ave	0.7881	0.8032		10.2	10.0	1.9	30.0
Chloroethane	Ave	0.2491	0.2595		10.4	10.0	4.1	30.0
Isopentane	Ave	0.4289	0.4271		9.96	10.0	-0.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8939	0.9639		10.8	10.0	7.8	30.0
Trichlorofluoromethane	Ave	2.972	3.044		10.2	10.0	2.4	30.0
n-Pentane	Ave	0.6933	0.7108		10.3	10.0	2.5	30.0
Ethanol	Ave	0.1391	0.1352		14.6	15.0	-2.8	30.0
Ethyl ether	Ave	0.3219	0.2922		9.08	10.0	-9.2	30.0
Acrolein	Ave	0.1586	0.1496		9.44	10.0	-5.6	30.0
Freon TF	Ave	1.873	1.944		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.7827	0.8169		10.4	10.0	4.4	30.0
Acetone	Ave	0.5912	0.5379		9.10	10.0	-9.0	30.0
Isopropyl alcohol	Ave	0.4418	0.4179		9.46	10.0	-5.4	30.0
Carbon disulfide	Ave	2.119	2.219		10.5	10.0	4.7	30.0
3-Chloropropene	Ave	0.4900	0.5038		10.3	10.0	2.8	30.0
Acetonitrile	Ave	0.2264	0.2065		9.12	10.0	-8.8	30.0
Methylene Chloride	Ave	0.6040	0.6046		10.0	10.0	0.1	30.0
tert-Butyl alcohol	Ave	0.8661	0.8423		9.72	10.0	-2.7	30.0
Methyl tert-butyl ether	Ave	1.749	1.542		8.82	10.0	-11.8	30.0
trans-1,2-Dichloroethene	Ave	0.9708	1.018		10.5	10.0	4.9	30.0
Acrylonitrile	Ave	0.2872	0.2621		9.12	10.0	-8.8	30.0
n-Hexane	Ave	0.7820	0.8106		10.4	10.0	3.7	30.0
1,1-Dichloroethane	Ave	1.192	1.213		10.2	10.0	1.8	30.0
Vinyl acetate	Ave	0.9492	0.8708		9.17	10.0	-8.3	30.0
cis-1,2-Dichloroethene	Ave	0.8888	0.9236		10.4	10.0	3.9	30.0
Methyl Ethyl Ketone	Ave	0.2390	0.2137		8.94	10.0	-10.6	30.0
Ethyl acetate	Ave	0.0436	0.0398		9.11	10.0	-8.9	30.0
Tetrahydrofuran	Ave	0.0849	0.0840		9.90	10.0	-1.0	30.0
Chloroform	Ave	1.955	1.957		10.0	10.0	0.1	30.0
1,1,1-Trichloroethane	Ave	0.5514	0.6349		11.5	10.0	15.1	30.0
Cyclohexane	Ave	0.2324	0.2705		11.6	10.0	16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36

Instrument ID: G.i Calib Start Date: 04/15/2011 10:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40

Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6646	0.7720		11.6	10.0	16.1	30.0
2,2,4-Trimethylpentane	Ave	0.5800	0.6645		11.5	10.0	14.6	30.0
Benzene	Ave	0.4955	0.5398		10.9	10.0	8.9	30.0
1,2-Dichloroethane	Ave	0.2730	0.2949		10.8	10.0	8.0	30.0
n-Heptane	Ave	0.1732	0.1943		11.2	10.0	12.2	30.0
n-Butanol	Ave	0.0509	0.0554		10.9	10.0	8.9	30.0
Trichloroethene	Ave	0.3020	0.3431		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.1534	0.1630		10.6	10.0	6.2	30.0
Methyl methacrylate	Ave	0.1247	0.1232		9.88	10.0	-1.1	30.0
1,4-Dioxane	Ave	0.0695	0.0750		10.8	10.0	7.9	30.0
Dibromomethane	Ave	0.2948	0.3380		11.5	10.0	14.7	30.0
Bromodichloromethane	Ave	0.4887	0.5414		11.1	10.0	10.8	30.0
cis-1,3-Dichloropropene	Ave	0.2919	0.3200		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.1821	0.2009		11.0	10.0	10.3	30.0
n-Octane	Ave	0.2282	0.2478		10.9	10.0	8.6	30.0
Toluene	Ave	0.4024	0.4085		10.1	10.0	1.5	30.0
trans-1,3-Dichloropropene	Ave	0.3142	0.3389		10.8	10.0	7.8	30.0
1,1,2-Trichloroethane	Ave	0.2138	0.2188		10.2	10.0	2.3	30.0
Tetrachloroethene	Ave	0.4525	0.4808		10.6	10.0	6.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1829	0.2004		11.0	10.0	9.6	30.0
Dibromochloromethane	Ave	0.5953	0.6466		10.9	10.0	8.6	30.0
1,2-Dibromoethane	Ave	0.4656	0.4896		10.5	10.0	5.2	30.0
Chlorobenzene	Ave	0.6473	0.6675		10.3	10.0	3.1	30.0
Ethylbenzene	Ave	0.8918	0.8845		9.92	10.0	-0.8	30.0
n-Nonane	Ave	0.2723	0.2762		10.1	10.0	1.5	30.0
m,p-Xylene	Ave	0.3607	0.3610		20.0	20.0	0.0	30.0
Xylene, o-	Ave	0.3746	0.3727		9.95	10.0	-0.5	30.0
Styrene	Ave	0.5164	0.5423		10.5	10.0	5.0	30.0
Bromoform	Ave	0.5582	0.6256		11.2	10.0	12.1	30.0
Cumene	Ave	1.085	1.063		9.80	10.0	-2.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5265	0.5246		9.96	10.0	-0.4	30.0
n-Propylbenzene	Ave	1.140	1.143		10.0	10.0	0.2	30.0
1,2,3-Trichloropropane	Ave	0.3679	0.3629		9.86	10.0	-1.4	30.0
n-Decane	Ave	0.3140	0.3098		9.86	10.0	-1.3	30.0
4-Ethyltoluene	Ave	1.040	1.046		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.9862	0.9861		10.0	10.0	-0.0	30.0
1,3,5-Trimethylbenzene	Ave	0.9059	0.8910		9.83	10.0	-1.6	30.0
Alpha Methyl Styrene	Ave	0.4362	0.4683		10.7	10.0	7.4	30.0
tert-Butylbenzene	Ave	0.9134	0.8859		9.70	10.0	-3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-4735-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-16738/2 Calibration Date: 04/19/2011 09:36
 Instrument ID: G.i Calib Start Date: 04/15/2011 10:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/15/2011 16:40
 Lab File ID: gfib002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 132429

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8987	0.8951		9.96	10.0	-0.4	30.0
sec-Butylbenzene	Ave	1.283	1.266		9.86	10.0	-1.4	30.0
4-Isopropyltoluene	Ave	1.074	1.078		10.0	10.0	0.4	30.0
1,3-Dichlorobenzene	Ave	0.6387	0.6826		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	0.6053	0.6507		10.7	10.0	7.5	30.0
Benzyl chloride	Ave	0.6274	0.6823		10.9	10.0	8.8	30.0
n-Undecane	Ave	0.2625	0.2579		9.82	10.0	-1.8	30.0
n-Butylbenzene	Ave	0.7808	0.8331		10.7	10.0	6.7	30.0
1,2-Dichlorobenzene	Ave	0.6372	0.6678		10.5	10.0	4.8	30.0
n-Dodecane	Ave	0.1825	0.1943		10.6	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.2953		9.64	10.0	-3.6	30.0
Hexachlorobutadiene	Ave	0.3660	0.3966		10.8	10.0	8.4	30.0
Naphthalene	Ave	0.6412	0.6431		10.0	10.0	0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2581	0.2822		10.9	10.0	9.3	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-4733-1

SDG No.: _____

Instrument ID: G.i Start Date: 04/15/2011 08:57Analysis Batch Number: 16675 End Date: 04/15/2011 19:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16675/1		04/15/2011 08:57	1	gfi001.d	RTX-624 0.32 (mm)
VIBLK 200-16675/2		04/15/2011 09:49	1		RTX-624 0.32 (mm)
IC 200-16675/3		04/15/2011 10:42	1	gfi003.d	RTX-624 0.32 (mm)
IC 200-16675/4		04/15/2011 11:33	1	gfi004.d	RTX-624 0.32 (mm)
IC 200-16675/5		04/15/2011 12:24	1	gfi005.d	RTX-624 0.32 (mm)
ZZZZZ		04/15/2011 13:16	1		RTX-624 0.32 (mm)
ICIS 200-16675/7		04/15/2011 14:07	1	gfi007.d	RTX-624 0.32 (mm)
IC 200-16675/8		04/15/2011 14:58	1	gfi008.d	RTX-624 0.32 (mm)
IC 200-16675/9		04/15/2011 15:49	1	gfi009.d	RTX-624 0.32 (mm)
IC 200-16675/10		04/15/2011 16:40	1	gfi010.d	RTX-624 0.32 (mm)
VIBLK 200-16675/11		04/15/2011 17:32	1		RTX-624 0.32 (mm)
ICV 200-16675/12		04/15/2011 18:23	1	gfi012.d	RTX-624 0.32 (mm)
ZZZZZ		04/15/2011 19:14	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4733-1

SDG No.: _____

Instrument ID: G.iStart Date: 04/19/2011 08:44Analysis Batch Number: 16738End Date: 04/20/2011 08:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16738/1		04/19/2011 08:44	1	gfib001.d	RTX-624 0.32 (mm)
CCVIS 200-16738/2		04/19/2011 09:36	1	gfib002.d	RTX-624 0.32 (mm)
LCS 200-16738/3		04/19/2011 10:28	1	gfib003.d	RTX-624 0.32 (mm)
VIBLK 200-16738/4		04/19/2011 11:19	1		RTX-624 0.32 (mm)
MB 200-16738/5		04/19/2011 12:25	1	gfib005.d	RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 13:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 14:09	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 15:01	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 15:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 16:44	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 17:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 18:27	152		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 19:18	29.2		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 20:10	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 21:01	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 21:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 22:43	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 23:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 00:26	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 01:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 02:08	10		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 02:59	10		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 03:51	1980		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 04:42	185		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 05:34	1990		RTX-624 0.32 (mm)
200-4733-5	3576	04/20/2011 06:25	1	gfib026.d	RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 07:16	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 08:09	0.2		RTX-624 0.32 (mm)

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information			
Batch ID:		Start Date:		Time:		ISTD Lot #:		Instrument ID:		G	
Test Method:		End Date:		Time:		CAL STD Lot #		Instrument:		5973	
ICAL Date:		4/15/11				ICV / LCS Lot #		Column Type:		RTX-624	
Manager		Analyst		Analyst		Volume (mL)		Operator		Internal Std.	
Name/Initial		Signature		Signature		Inlet #		Dilution Factor		Result Conc.	
						Can ID		ETR		Primary Anal.	
						Summa				Comments / Standard Traceability	
0857	6-FT 001			4633	BFB	NA	1	1	NA	NA	132579
0949	002			5292	V18R	NA	2	1	NA	NA	132577
1042	003			3643	Level 1	NA	3	1	NA	NA	132507
1133	004			3482	Level 2	NA	4	1	NA	NA	exam not attached
1224	005				Level 3	NA	5	1	NA	NA	132429
1316	006			3544	Lab Bin	NA	5	1	NA	NA	132422
1407	007			3155	Level 4	NA	6	1	NA	NA	132406
1458	008			2575	Level 5	NA	7	1	NA	NA	132405
1549	009			2961	Level 6	NA	8	1	NA	NA	133740
1640	010			4633	Level 7	NA	9	1	NA	NA	
1732	011			5014	V18K	NA	1	1	NA	NA	
1823	012			4633	ICV	NA	1	1	NA	NA	
1904	013				MO	NA	1	1	NA	NA	

Legend: C=Complete R=Reanalyze ↑ = High ↓ = Low ✓ = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information	
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	G
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument:	5973
ICAL Date:			ICV / LCS Lot #:	Column Type:	RTX-624
Manager		Analyst	Analyst	Analyst	
Name/Initial					
Signature					

Sequence Information				Individual Sample Review				Comments / Standard Traceability
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	
0844	G-FIB001		0844	1	1	200	WNB	
0936	002	3544	201	1	1	200	1	AG-
1028	003	5014	LCS	1	2	1	1	AG-
1119	004	5014	VIBUK	1	3	200	1	ding part
1225	005	4634	MB	1	3	200	1	
1317	006	5090	4741-1	1	4	200	1	
1409	007	4266	-2	1	5	1	1	
1501	008	3662	-3	1	6	1	1	
1552	009	3285	-4	1	7	1	1	
1644	010	3274	-5	1	8	1	1	
1735	011	4872	-6	1	9	1	1	
1827	012	2513	4527-2	1	10	24	1	DL CDF 18.29 C
1918	013	4917	-3	1	11	30	1	DL 4.38 C
2010	014	4828	4226-1	1	12	200	1	
2101	015	2664	-2	1	13	1	1	
2152	016	4143	-3	1	14	1	1	
2243	017	4115	-4	1	15	1	1	
2335	018	3427	-5	1	16	1	1	
0026	019	4369	4739-1	1	1	200	1	
0117	020	4942	-2	1	2	1	1	
0208	021	4840	4241-9	1	3	20	1	
0259	022	4392	-10	1	4	1	1	
0351	023	2981	4755-1	1	5	28	1	CDF 277.62 p=88.8 NA
0442	024	3583	-2	1	6	20	1	CDF 18.51 p=13.8 NA
0534	025	4656	-3	1	7	2.5	1	CDF 249.34 p=2.3
0625	026	3576	4733-5	1	8	200	1	
0716	027	4658	4735-5	1	9	200	1	

Legend: C=Complete R=Reanalyze ↑ = High ↓ = Low ✓ = Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-4735-1

SDG No.: _____

Instrument ID: G.i Start Date: 04/15/2011 08:57Analysis Batch Number: 16675 End Date: 04/15/2011 19:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16675/1		04/15/2011 08:57	1	gfi001.d	RTX-624 0.32 (mm)
VIBLK 200-16675/2		04/15/2011 09:49	1		RTX-624 0.32 (mm)
IC 200-16675/3		04/15/2011 10:42	1	gfi003.d	RTX-624 0.32 (mm)
IC 200-16675/4		04/15/2011 11:33	1	gfi004.d	RTX-624 0.32 (mm)
IC 200-16675/5		04/15/2011 12:24	1	gfi005.d	RTX-624 0.32 (mm)
ZZZZZ		04/15/2011 13:16	1		RTX-624 0.32 (mm)
ICIS 200-16675/7		04/15/2011 14:07	1	gfi007.d	RTX-624 0.32 (mm)
IC 200-16675/8		04/15/2011 14:58	1	gfi008.d	RTX-624 0.32 (mm)
IC 200-16675/9		04/15/2011 15:49	1	gfi009.d	RTX-624 0.32 (mm)
IC 200-16675/10		04/15/2011 16:40	1	gfi010.d	RTX-624 0.32 (mm)
VIBLK 200-16675/11		04/15/2011 17:32	1		RTX-624 0.32 (mm)
ICV 200-16675/12		04/15/2011 18:23	1	gfi012.d	RTX-624 0.32 (mm)
ZZZZZ		04/15/2011 19:14	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-4735-1

SDG No.: _____

Instrument ID: G.iStart Date: 04/19/2011 08:44Analysis Batch Number: 16738End Date: 04/20/2011 08:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-16738/1		04/19/2011 08:44	1	gfib001.d	RTX-624 0.32 (mm)
CCVIS 200-16738/2		04/19/2011 09:36	1	gfib002.d	RTX-624 0.32 (mm)
LCS 200-16738/3		04/19/2011 10:28	1	gfib003.d	RTX-624 0.32 (mm)
VIBLK 200-16738/4		04/19/2011 11:19	1		RTX-624 0.32 (mm)
MB 200-16738/5		04/19/2011 12:25	1	gfib005.d	RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 13:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 14:09	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 15:01	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 15:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 16:44	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 17:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 18:27	152		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 19:18	29.2		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 20:10	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 21:01	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 21:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 22:43	1		RTX-624 0.32 (mm)
ZZZZZ		04/19/2011 23:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 00:26	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 01:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 02:08	10		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 02:59	10		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 03:51	1980		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 04:42	185		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 05:34	1990		RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 06:25	1		RTX-624 0.32 (mm)
200-4735-5	4658	04/20/2011 07:16	1	gfib027.d	RTX-624 0.32 (mm)
ZZZZZ		04/20/2011 08:09	0.2		RTX-624 0.32 (mm)

[illegible]

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓ = Low ▪ ✓ = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information			
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	G	F	D	Instrument ID:	G		
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument:	5973			Instrument:	5973		
ICAL Date:			ICV / LCS Lot #:	Column Type:	RTX-624			Column Type:	RTX-624		
Manager	Analyst	Analyst	Analyst	Analyst				Analyst			
Name/Initial											
Signature											
Individual Sample Review											
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0844	G-FID6001		0.75	1.0	14	14	WNB	14	14	WNB	
0936	002	3544	2.4	1	1	200	1	14	✓	1	AG-
1028	003	5014	1.0	1	2	1	1	14	✓	1	AG-
1119	004	5014	1.0	1	22	1	1	X	X	1	avg port
1225	005	4634	1.0	1.0	3	200	1	14	✓	1	
1317	006	5090	4.241-1	1	4	200	1	14	✓	1	
1409	007	4266	-2	1	5		1	14	✓	1	
1501	008	3662	-3	1	6		1	14	✓	1	
1552	009	3285	-4	1	7		1	14	✓	1	
1644	010	3024	-5	1	8		1	14	✓	1	
1735	011	4872	-6	1	9		1	14	✓	1	
1827	012	2513	4.527-2	1.52	10	24	1	14	✓	DL	18.29 C
1918	013	4917	-3	2.92	11	30	1	14	✓	DL	4.38 C
2010	014	4828	4.226-1	1	12	200	1	14	✓	1	
2101	015	2664	-2	1	13		1	14	✓	1	
2152	016	4143	-3	1	14		1	14	✓	1	
2243	017	4115	-4	1	15		1	14	✓	1	
2335	018	3427	-5	1	16		1	14	✓	1	
0026	019	4369	4.739-1	1	1	200	1	14	✓	1	
0117	020	4942	-2	1	2		1	14	✓	1	
0208	021	4840	4.241-9	1.0	3	20	1	14	✓	1	
0259	022	4392	-10	1	4		1	14	✓	1	
0351	023	2981	4.755-1	1.980	5	28	1	14	✓	1	CDF 277.62 p=8.8 NA
0442	024	3583	-2	1.85	6	20	1	14	✓	1	CDF 18.51 p=13.2 NA
0534	025	4650	-3	1.940	7	25	1	14	✓	1	CDF 249.34 p=2.3
0625	026	3576	4.733-5	1	8	200	1	14	✓	1	
0716	027	4658	4.735-5	1	9	200	1	14	✓	1	

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓ = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability			Instrument Information				
Batch ID:	Start Date:	Time:	ISTD Lot #:			Instrument ID:	G			
Test Method:	End Date:	Time:	CAL STD Lot #			Instrument:	5973			
ICAL Date:			ICV / LCS Lot #			Column Type:	RTX-624			
Manager	Analyst		Analyst			Analyst				
Name/Initial										
Signature										
Sequence Information			Individual Sample Review			Comments / Standard Traceability				
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.
0809	6-FEB-028	2859	4747-9	0.2	8	1000	WMD	✓	↑	WMD
<p>Page 424 of 429</p>										

Legend: C=Complete • R=Reanalyze ▲ = High ■ ↓ = Low ■ ✓ = Reviewed and Acceptable

TestAmerica

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Shipping and Receiving Documents

FedEx *US Airbill*
Express

8739 6418 0654

0200

FedEx Retrieval Copy

From

Sender's FedEx
Account Number

Date

Sender's
Phone

Company

Address

City

State

ZIP

Phone

Company

Phone

Address

City

State

ZIP

Address
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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>David Bertrand</u>		Samples Collected By: <u>Danielle Rowlands</u>		1 of 2 COCs													
Company: <u>Crescentia</u>		Phone: <u>514-822-2230 ext 245</u>																	
Address: <u>130 Research Lane Suite 2</u>		Email: <u>dbertrand@crescentia.com</u>																	
City/State/Zip: <u>Cent 05403</u>		Site Contact: <u>Danielle Rowlands</u>																	
Phone: <u>514-822-2230</u>		TA Contact:																	
FAX: <u>514-822-3151</u>																			
Project Name: <u>AF 59</u>		Analysis Turnaround Time																	
Site: <u>TR0886</u>		Standard (Specify) <u>X 2wk</u>																	
PO #		Rush (Specify)																	
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	TO-15	TO-14A	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)
SL-118-5	4/28/2011	1859	1859	28.00	3.72	-	4662	X									X		
SL-118-20	4/28/2011	1913	1913	28.37	4.12	-	4481	X									X		
SL-118-END	4/28/2011	2050	2050	28.35	3.49	-	4958	X									X		
SL-084-5	4/29/2011	1121	1121	26.27	3.65	-	3816	X									X		
SL-084-20	4/29/2011	1134	1134	27.78	3.53	-	4950	X									X		
SL-084-END	4/29/2011	1238	1238	27.84	3.64	-	3808	X									X		
Special Instructions/QC Requirements & Comments:																			
Samples Shipped by: <u>Andrew E. Wells</u>		Date/Time: <u>5/2/11 10:00 AM</u>		Samples Received by: <u>[Signature]</u>		Date/Time: <u>5/3/11 1020</u>													
Samples Relinquished by:		Date/Time:		Received by:		Date/Time:													
Relinquished by:		Date/Time:		Received by:		Date/Time:													
Lab Use Only				Shipper Name:				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.

Client Contact Information				Project Manager:		Samples Collected By:		2 of 2 COCs										
Company:				Phone:		Daniel K. Reardon												
Address:				Email:														
City/State/Zip				Site Contact:														
Phone:				TA Contact:														
FAX:																		
Project Name:				Analysis Turnaround Time														
Site:				Standard (Specify)		X 2 wk												
PO #				Rush (Specify)														
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	TO-15	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)
SL-022-5	4/29/2011	1506	1506	28.61	2.97	—	4957	X								X		
SL-022-20	4/29/2011	1521	1521	28.57	3.76	—	4555	X								X		
SL-022-END	4/29/2011	1643	1643	28.66	3.42	—	3616	X								X		
<div> <div>Temperature (Fahrenheit)</div> <div> <div>Interior</div> <div>Ambient</div> </div> </div> <div> <div>Pressure (Inches of Hg)</div> <div> <div>Interior</div> <div>Ambient</div> </div> </div>																		
<div> <div>Start</div> <div>Stop</div> </div> <div> <div>Start</div> <div>Stop</div> </div>																		
Special Instructions/QC Requirements & Comments:																		
Samples Shipped by:				Date/Time:				Samples Received by:										
Veronica E. DeT...				5/2/11 10:00 AM				S. J. 5/3/11 1020										
Samples Relinquished by:				Date/Time:				Received by:										
Relinquished by:				Date/Time:				Received by:										
Lab Use Only				Shipper Name:				Opened by:				Condition:						

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 200-5005-1

SDG Number: 200-5005

Login Number: 5005

List Source: TestAmerica Burlington

List Number: 2

Creator: Keeton, Jamie

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	144964
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.



Electronic Comprehensive Validation Package (eCVP)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Passive S.E. WMS

INVENTORY SHEET

Work Order #: 1105031A

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b. Target Compound Raw Data		
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Comments:

Completed by:

Kara McKiernan

(Signature)

Kara McKiernan / Document Control

(Print Name & Title)

6/23/11

(Date)

WORK ORDER #: 1105031A

Work Order Summary

CLIENT:	Mr. Dave Bertrand GeoSyntec Consultants 130 Research Lane Suite 2 Guelph, Ontario N1G5G3	BILL TO:	Accounts Payable GeoSyntec Consultants 5901 Broken Sound Parkway Suite 300 Boca Raton, FL 33487
PHONE:	519-822-2230	P.O. #	TR0386 2.3
FAX:	519-822-3151	PROJECT #	AF 59
DATE RECEIVED:	05/03/2011	CONTACT:	Ausha Scott
DATE COMPLETED:	05/23/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	IA-SL118	Passive S.E. WMS
02A	PSS-SL118	Passive S.E. WMS
03A	IA-SL022	Passive S.E. WMS
04A	IA-SL084	Passive S.E. WMS
05A	HPV-118-1	Passive S.E. WMS
07A	PSS-SL084	Passive S.E. WMS
08A	HPV-084-1	Passive S.E. WMS
10A	PSS-SL022	Passive S.E. WMS
11A	HPV-022-1	Passive S.E. WMS
13A	TRIP BLANK A1	Passive S.E. WMS
14A	TRIP BLANK B1	Passive S.E. WMS
15A	Lab Blank	Passive S.E. WMS
16A	LCS	Passive S.E. WMS
16AA	LCSD	Passive S.E. WMS

CERTIFIED BY:



Laboratory Director

DATE: 05/23/11

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Passive SE GC/MS
GeoSyntec Consultants
Workorder# 1105031A

Eleven WMS-TD samples were received on May 03, 2011. The laboratory extracted the charcoal sorbent bed of the passive sampler using carbon disulfide. An aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Sample concentrations were calculated using sampling rates provided by the manufacturer. Results were calculated based on 25 deg C without temperature correction.

An exposure time of 21033 minutes was used to calculate concentrations for the Field Blank and the Laboratory Blank.

Recovery of Chloromethane in the both LCS and LCSD exceeded acceptance criteria. Recoveries were high and as Chloromethane was not detected in the samples, there was no impact on data quality.

Sample concentration for Naphthalene was calculated using estimated sampling rate provided by the manufacturer.

Sample TRIP BLANK A1 has reportable levels of target compounds present. Reanalysis of the extract confirmed the initial results.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Hexane.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample	Sample Extract		Sample Condition
					Holding Time (Days)	Date Analyzed	Holding Time (Days)	
IA-SL118	1105031A-01A	4/28/2011	5/ 3/2011	5/19/2011	21	5/19/2011	0	Good
PSS-SL118	1105031A-02A	4/28/2011	5/ 3/2011	5/19/2011	21	5/19/2011	0	Good
IA-SL022	1105031A-03A	4/28/2011	5/ 3/2011	5/19/2011	21	5/19/2011	0	Good
IA-SL084	1105031A-04A	4/28/2011	5/ 3/2011	5/19/2011	21	5/19/2011	0	Good
HPV-118-1	1105031A-05A	4/28/2011	5/ 3/2011	5/19/2011	21	5/19/2011	0	Good
PSS-SL084	1105031A-07A	4/29/2011	5/ 3/2011	5/19/2011	20	5/19/2011	0	Good
HPV-084-1	1105031A-08A	4/29/2011	5/ 3/2011	5/19/2011	20	5/19/2011	0	Good
PSS-SL022	1105031A-10A	4/29/2011	5/ 3/2011	5/19/2011	20	5/19/2011	0	Good
HPV-022-1	1105031A-11A	4/29/2011	5/ 3/2011	5/19/2011	20	5/19/2011	0	Good
TRIP BLANK A1	1105031A-13A	NA	5/ 3/2011	5/19/2011	NA	5/19/2011	0	Good
TRIP BLANK B1	1105031A-14A	NA	5/ 3/2011	5/19/2011	NA	5/19/2011	0	Good
Lab Blank	1105031A-15A	NA	NA	5/19/2011	NA	5/19/2011	0	Good
LCS	1105031A-16A	NA	NA	5/19/2011	NA	5/19/2011	0	Good
LCSD	1105031A-16AA	NA	NA	5/19/2011	NA	5/19/2011	0	Good

Sample Results and Raw Data

**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-SL118

Lab ID#: 1105031A-01A

No Detections Were Found.

Client Sample ID: IA-SL118

Lab ID#: 1105031A-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051922sim	Date of Collection: 4/28/11 4:03:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 06:31 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Vinyl Chloride	21	8.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.8	0.96	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.3	0.33	Not Detected	Not Detected
1,1,1-Trichloroethane	2.0	0.36	Not Detected	Not Detected
Carbon Tetrachloride	1.7	0.26	Not Detected	Not Detected
Trichloroethene	0.76	0.14	Not Detected	Not Detected
Tetrachloroethene	0.47	0.069	Not Detected	Not Detected

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011a.b/10051922sim.d
Lab Smp Id: 1105031A-01A
Inj Date : 19-MAY-2011 18:31
Operator : LZInst ID: msd10.i
Smp Info : ;1105031A-01A;
Misc Info : ,NOTICS
Comment :
Method : /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Meth Date : 19-May-2011 16:18 lzhangQuant Type: ISTD
Cal Date : 17-MAY-2011 15:03Cal File: 10051710sim.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTECompound Sublist: 15800short.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd VariableLocal Compound Variable

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	363335	5.00000	
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	343987	5.22330	5.22330
2 Vinyl Chloride	62	Compound Not Detected.					
8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
17 1,1,1-Trichloroethane	97	Compound Not Detected.					
18 Carbon Tetrachloride	117	Compound Not Detected.					
22 Trichloroethene	130	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10051922sim.d
Lab Smp Id: 1105031A-01A
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Calibration Date: 19-MAY-2011
Calibration Time: 16:00
Level: MED
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	363335	-7.58

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-01A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: 15800short.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.22330	104.47	70-130

Data File: /chem/msd10.i/19May2011a.b/10051922sim.d

Date : 19-May-2011 18:31

Client ID:

Sample Info: J1105031A-01A;

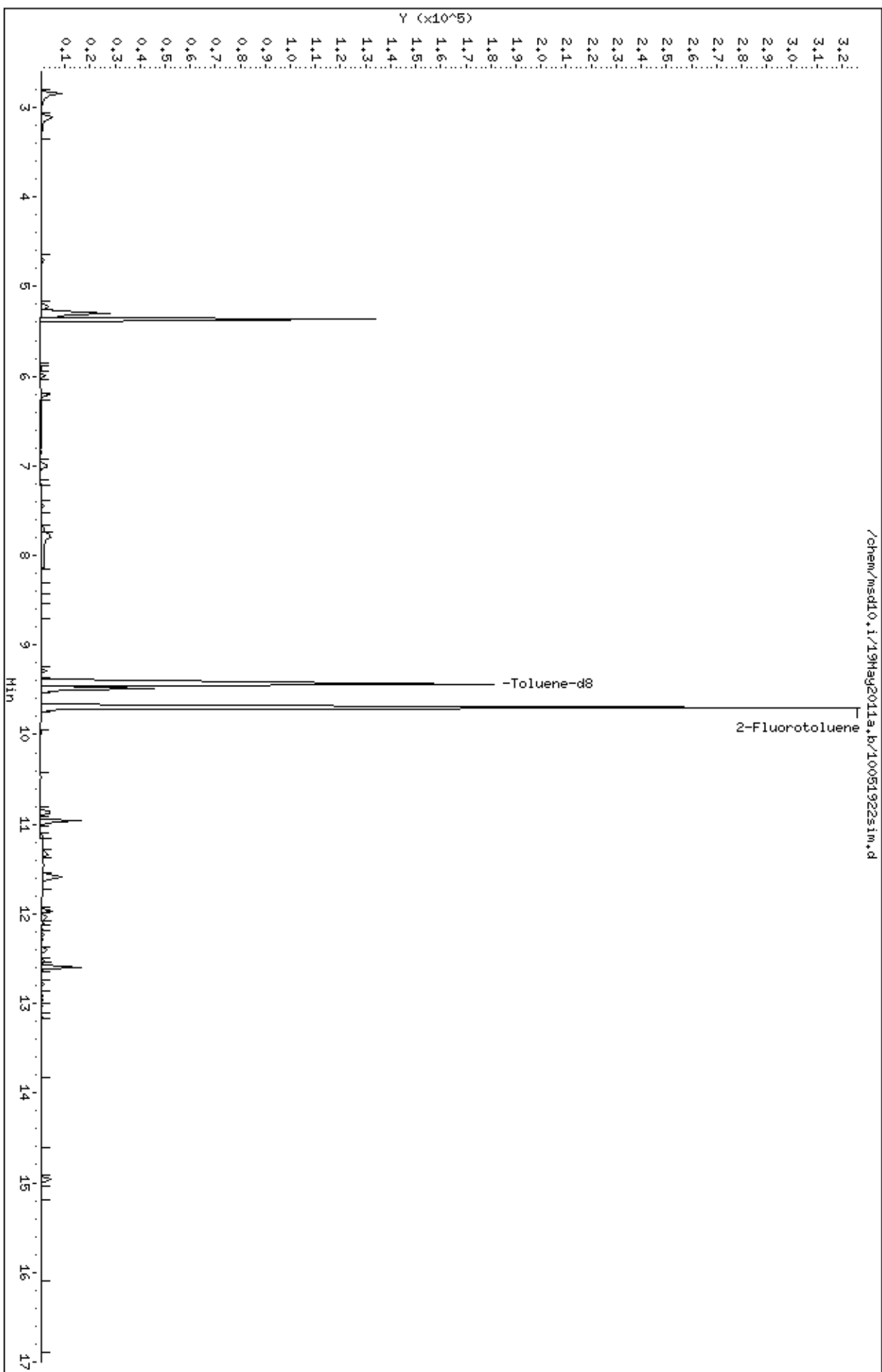
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSS-SL118

Lab ID#: 1105031A-02A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloroform	1.3	0.27	3.3	0.67
Cyclohexane	1.3	0.37	6.6	1.9
1,1,1-Trichloroethane	2.0	0.38	650	120
Carbon Tetrachloride	1.7	0.28	4.4	0.70
Trichloroethene	0.80	0.15	510	96
Toluene	0.62	0.16	2.8	0.76
Tetrachloroethene	0.49	0.072	3.9	0.58
Ethyl Benzene	0.39	0.091	0.61	0.14
m,p-Xylene	0.42	0.096	2.0	0.47
o-Xylene	0.37	0.085	0.60	0.14
1,3,5-Trimethylbenzene	0.24	0.049	0.38	0.077
1,2,4-Trimethylbenzene	0.21	0.042	0.87	0.18
Naphthalene	0.10	0.019	1.0 C	0.19 C

Client Sample ID: PSS-SL118

Lab ID#: 1105031A-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051927sim	Date of Collection: 4/28/11 4:12:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 08:23 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	23	11	Not Detected	Not Detected
Vinyl Chloride	22	8.5	Not Detected	Not Detected
1,1-Dichloroethene	13	3.2	Not Detected	Not Detected
Acetone	16	6.7	Not Detected	Not Detected
Methyl tert-butyl ether	2.1	0.59	Not Detected	Not Detected
trans-1,2-Dichloroethene	4.0	1.0	Not Detected	Not Detected
Hexane	8.0	2.3	Not Detected	Not Detected
1,1-Dichloroethane	2.2	0.54	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.1	0.71	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.4	0.34	Not Detected	Not Detected
Chloroform	1.3	0.27	3.3	0.67
Cyclohexane	1.3	0.37	6.6	1.9
1,1,1-Trichloroethane	2.0	0.38	650	120
Carbon Tetrachloride	1.7	0.28	4.4	0.70
Benzene	2.4	0.76	Not Detected	Not Detected
1,2-Dichloroethane	1.0	0.25	Not Detected	Not Detected
Heptane	1.1	0.28	Not Detected	Not Detected
Trichloroethene	0.80	0.15	510	96
4-Methyl-2-pentanone	1.7	0.41	Not Detected	Not Detected
Toluene	0.62	0.16	2.8	0.76
1,1,2-Trichloroethane	0.79	0.14	Not Detected	Not Detected
Tetrachloroethene	0.49	0.072	3.9	0.58
Chlorobenzene	0.49	0.11	Not Detected	Not Detected
Ethyl Benzene	0.39	0.091	0.61	0.14
m,p-Xylene	0.42	0.096	2.0	0.47
o-Xylene	0.37	0.085	0.60	0.14
Styrene	0.36	0.086	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.37	0.054	Not Detected	Not Detected
Propylbenzene	0.27	0.056	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.24	0.049	0.38	0.077
1,2,4-Trimethylbenzene	0.21	0.042	0.87	0.18
1,3-Dichlorobenzene	0.20	0.034	Not Detected	Not Detected
1,4-Dichlorobenzene	0.20	0.033	Not Detected	Not Detected
1,2-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
Naphthalene	0.10	0.019	1.0 C	0.19 C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: PSS-SL118

Lab ID#: 1105031A-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051927sim
Dil. Factor: 1.00

Date of Collection: 4/28/11 4:12:00 PM
Date of Analysis: 5/19/11 08:23 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Report Date: 20-May-2011 09:13

						CONCENTRATIONS			
		QUANT	SIG			ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.							
21 Heptane	71	Compound Not Detected.							
22 Trichloroethene	130	8.326	8.326	(0.858)		582640	32.3042	32.3042	
25 4-Methyl-2-pentanone	85	Compound Not Detected.							
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)		344850	5.09915	5.09915	
28 Toluene-CCC	92	9.483	9.483	(0.978)		12177	0.23107	0.231069	
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)		373115	5.00000		
30 1,1,2-Trichloroethane	97	Compound Not Detected.							
31 Tetrachloroethene	164	9.965	9.989	(1.027)		6312	0.40167	0.401670	
32 Chlorobenzene	112	Compound Not Detected.							
33 Ethylbenzene-CCC	106	10.854	10.875	(1.119)		2513	0.07760	0.0775987	
34 m,p-Xylene	106	10.958	10.958	(1.130)		9541	0.24318	0.243181	
36 o-Xylene	106	11.343	11.344	(1.169)		3233	0.08038	0.0803840	
37 Styrene	104	Compound Not Detected.							
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.							
40 Propylbenzene	91	Compound Not Detected.							
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)		6643	0.07856	0.0785556	
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)		13958	0.20921	0.209209	
44 1,3-Dichlorobenzene	146	Compound Not Detected.							
45 1,4-Dichlorobenzene	146	Compound Not Detected.							
46 1,2-Dichlorobenzene	146	Compound Not Detected.							
49 Naphthalene	128	14.963	14.963	(1.543)		47249	0.49718	0.497183	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051927sim.d

Calibration Time: 16:00

Lab Smp Id: 1105031A-02A

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	373115	-5.09

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-02A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.09915	101.98	70-130

Data File: /chem/msd10.i/19May2011a.b/10051927sim.d

Date : 19-May-2011 20:23

Client ID:

Sample Info: J1105031A-02A;

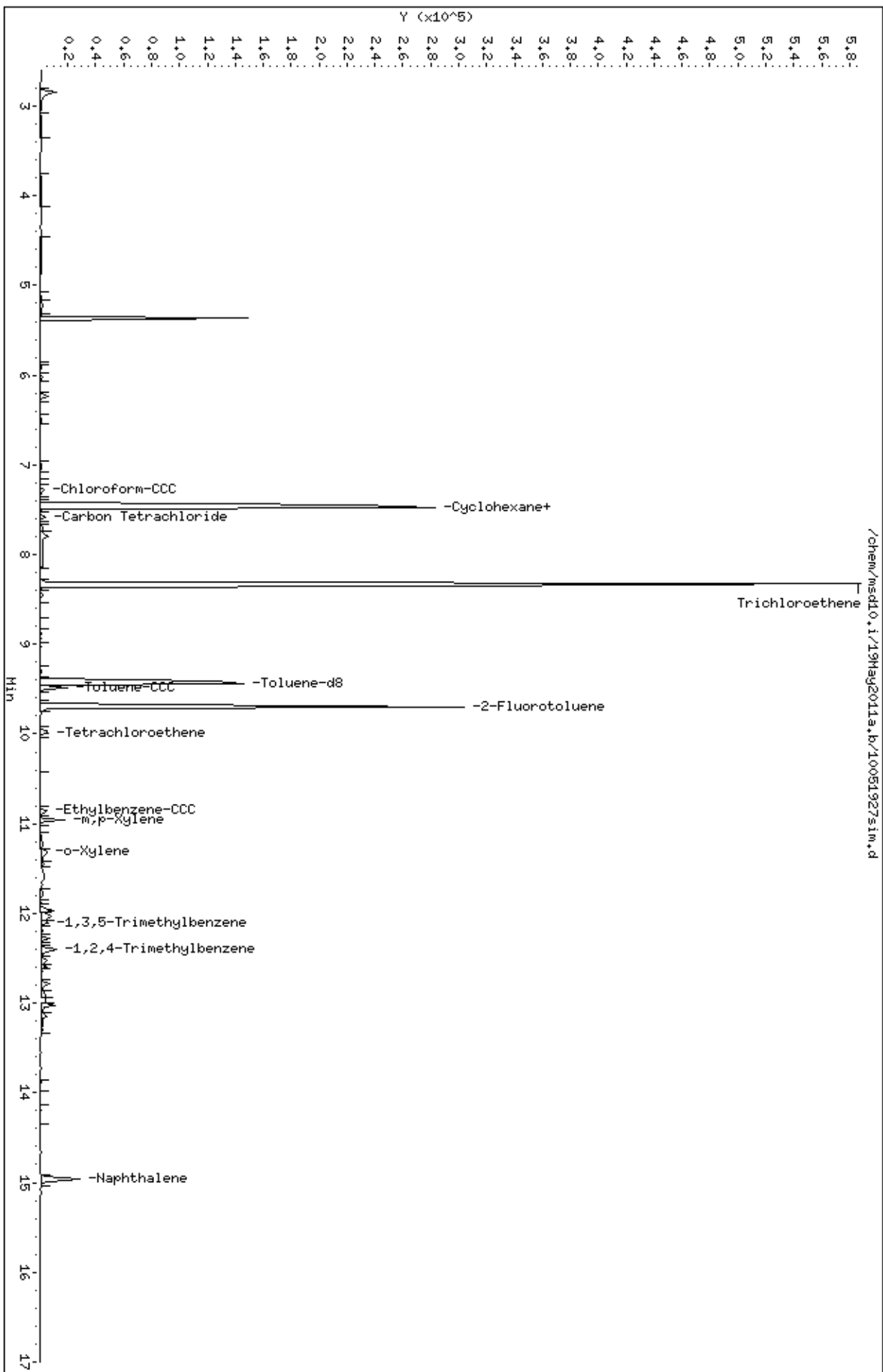
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

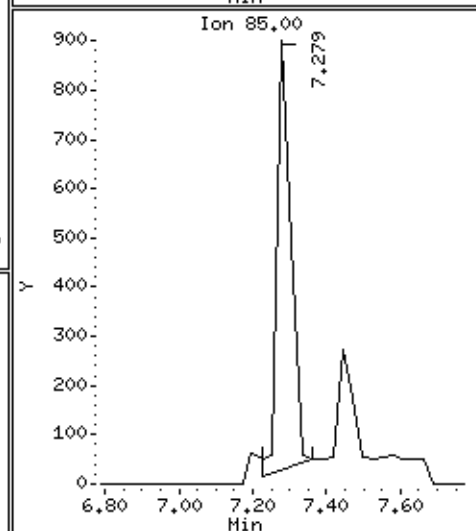
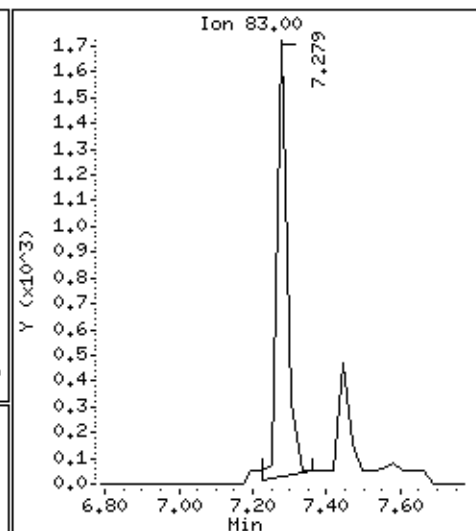
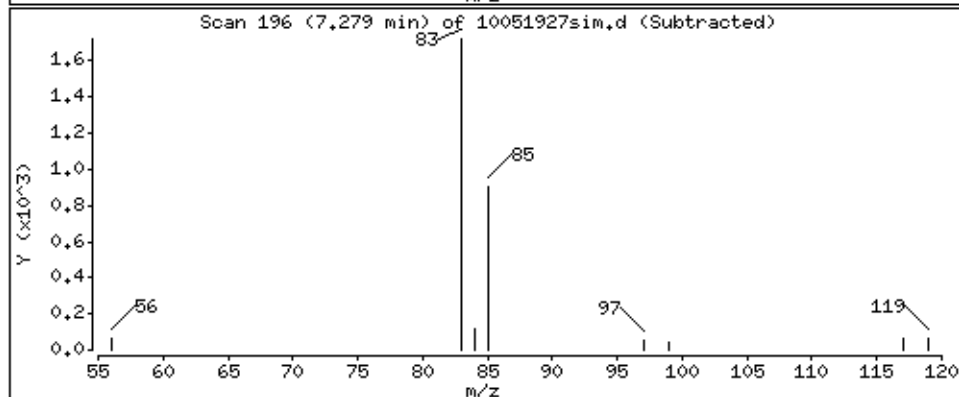
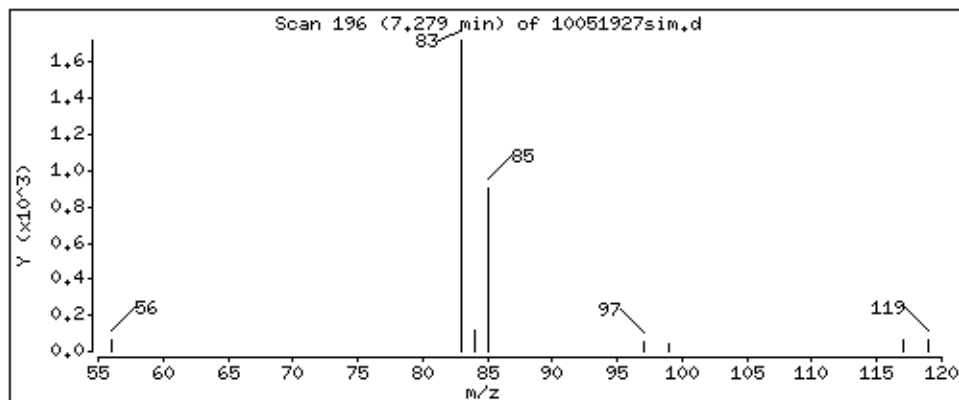
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 0.121772 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

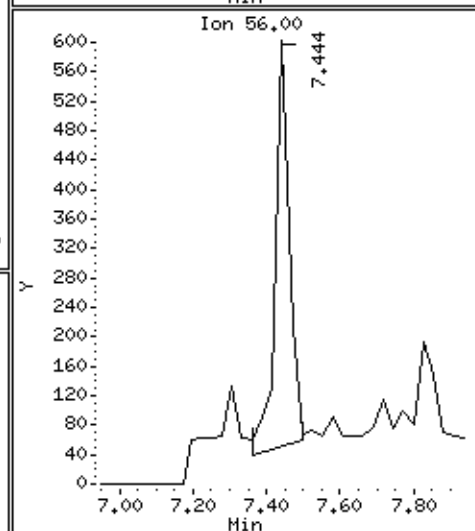
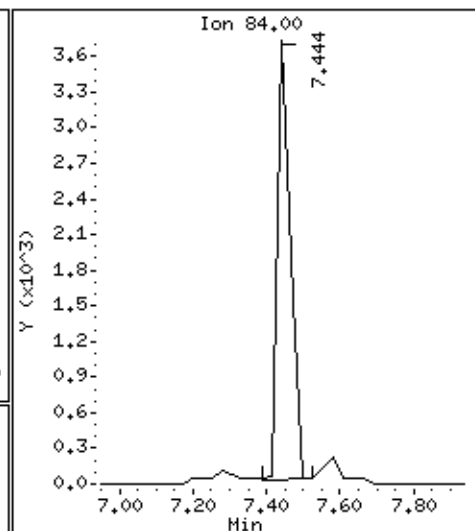
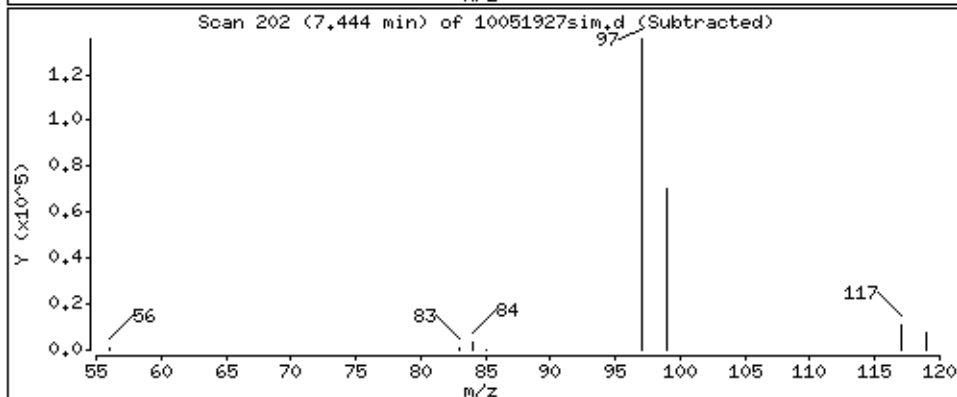
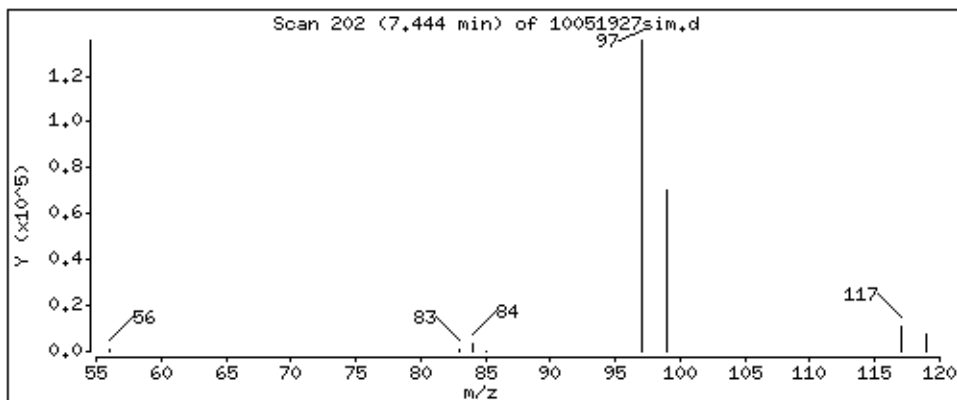
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 0.259940 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

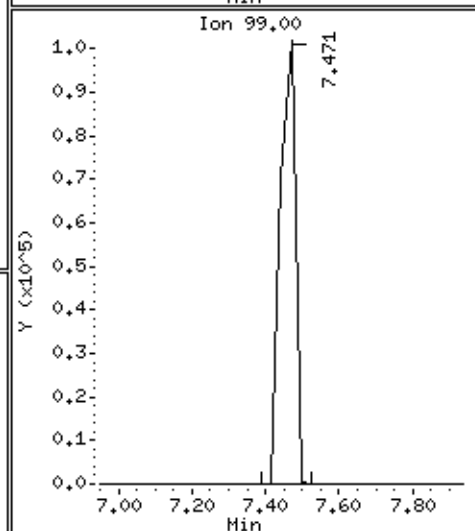
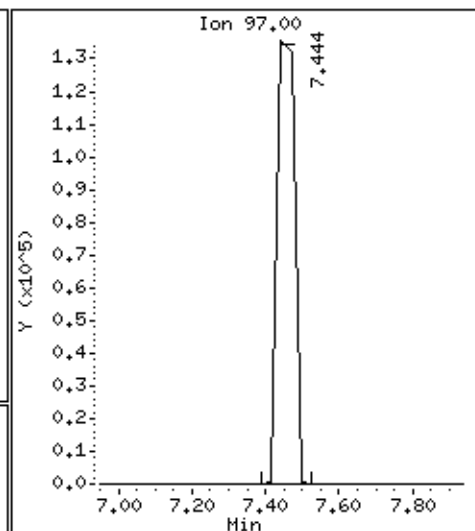
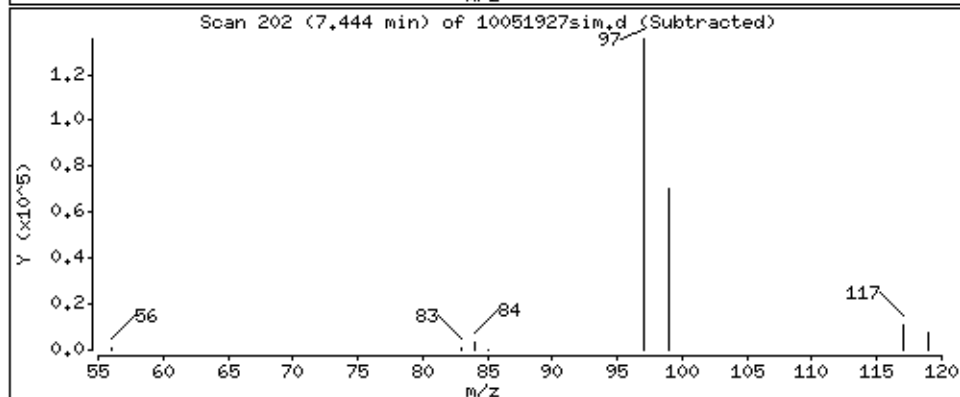
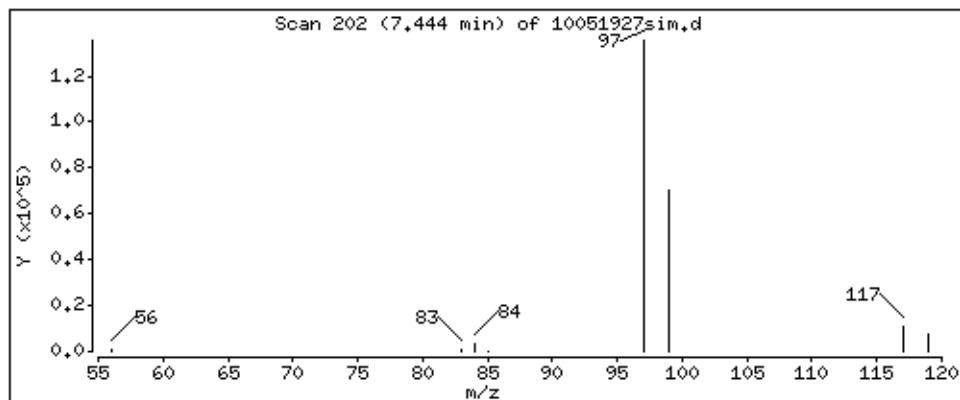
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 15,7622 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

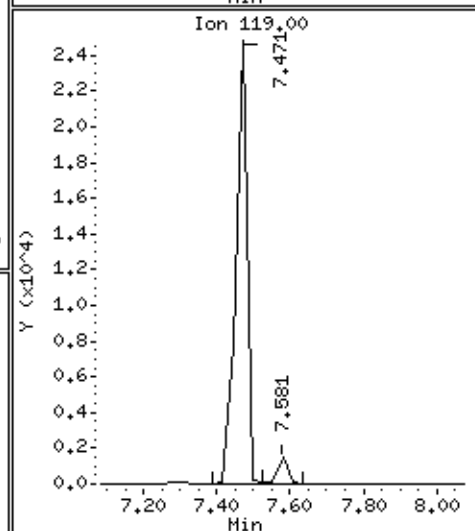
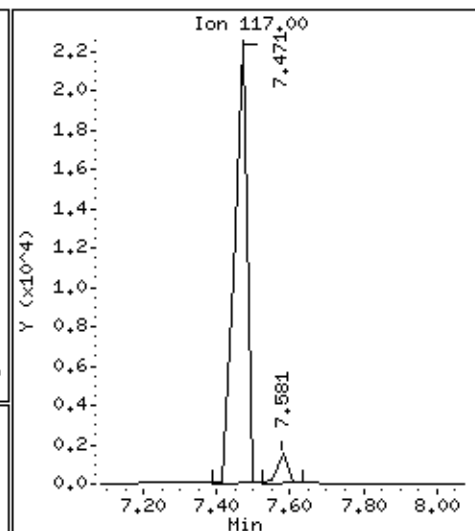
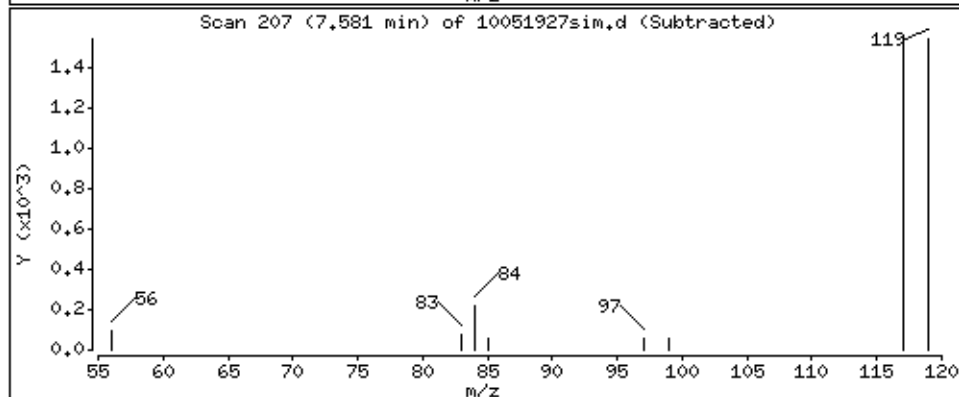
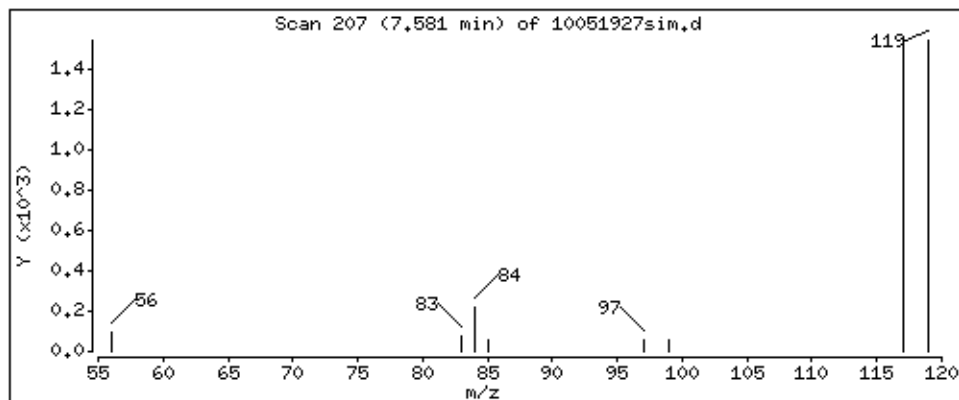
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

18 Carbon Tetrachloride

Concentration: 0.126322 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

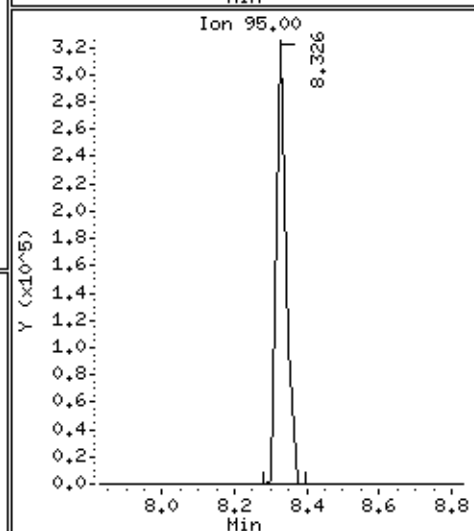
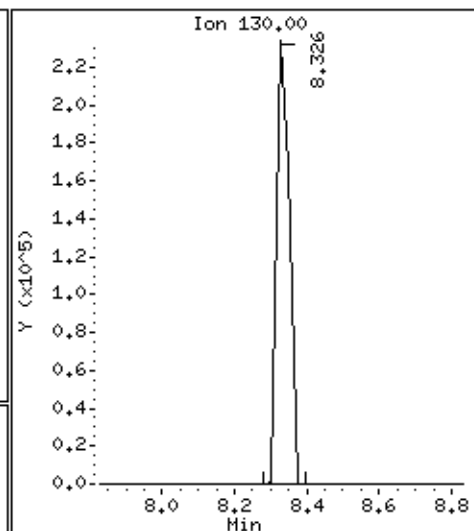
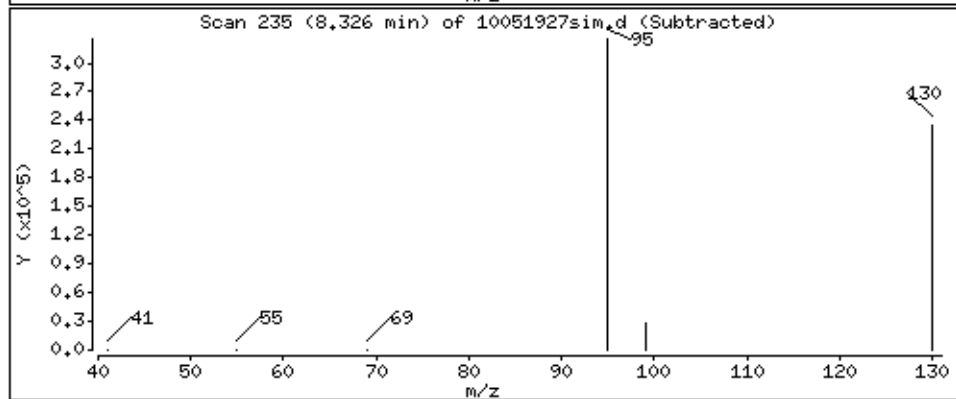
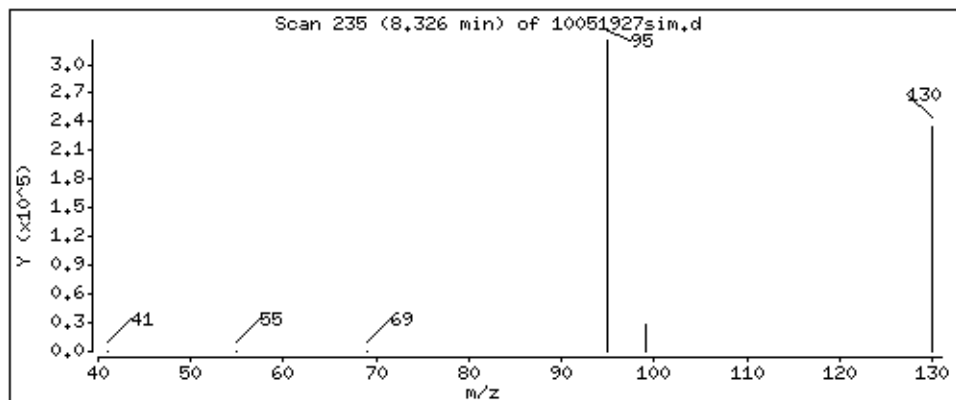
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 32,3042 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

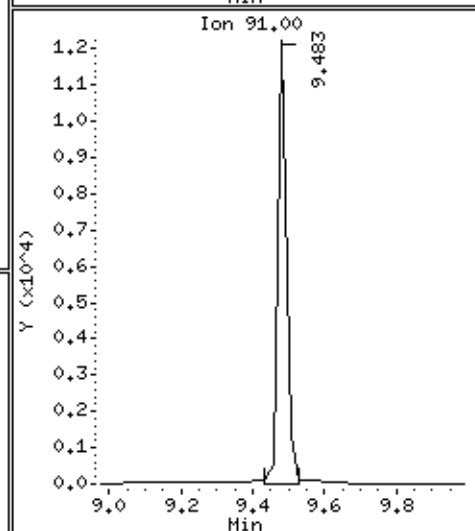
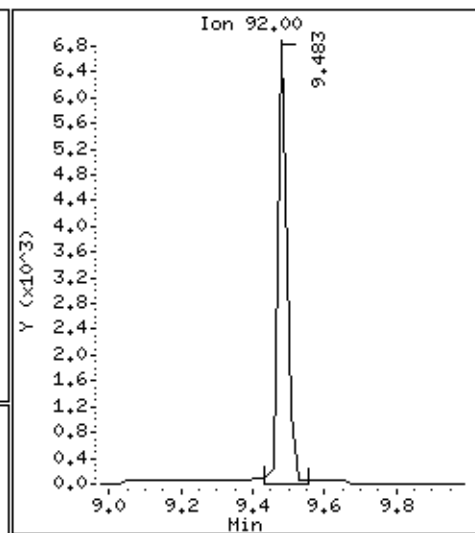
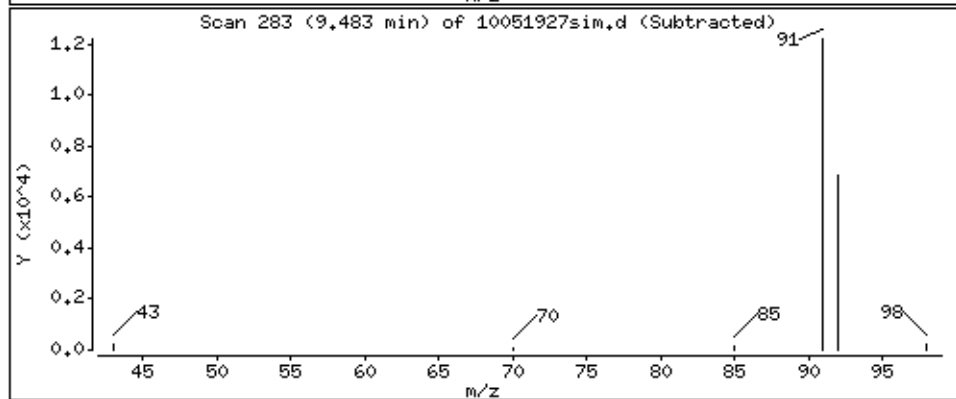
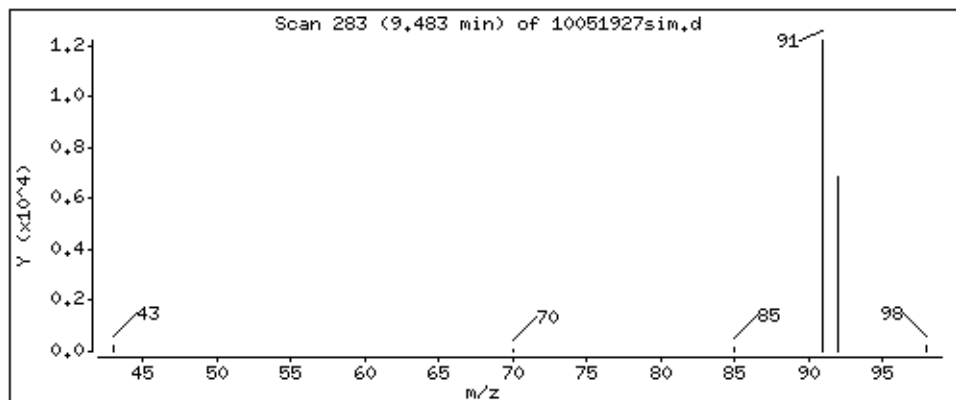
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 0.231069 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

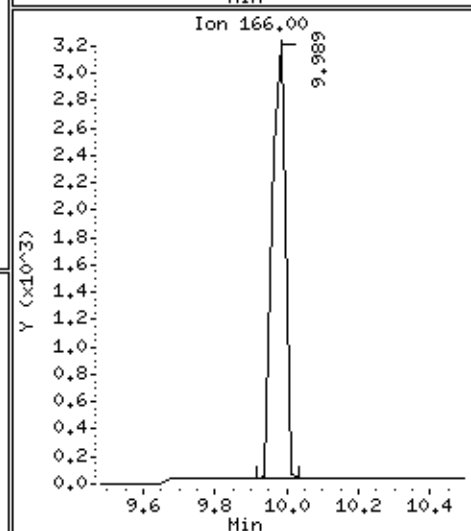
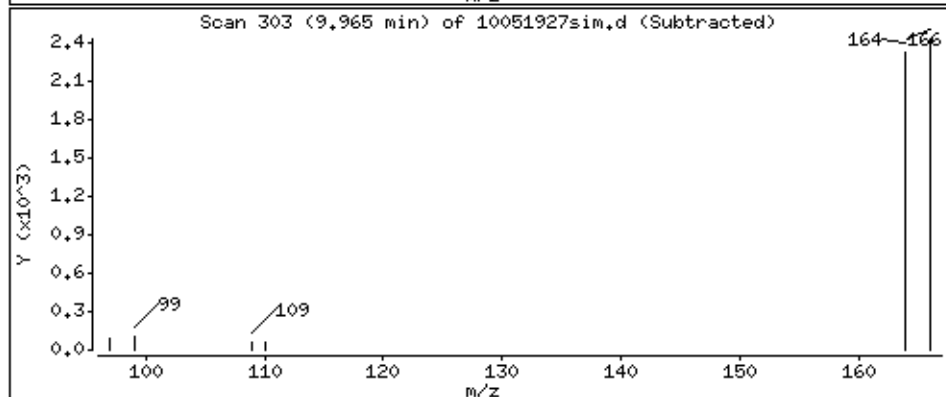
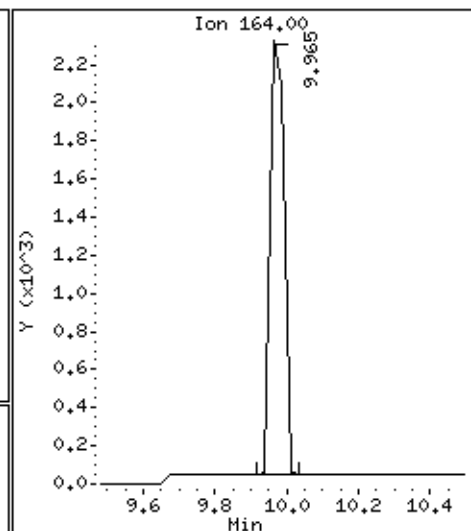
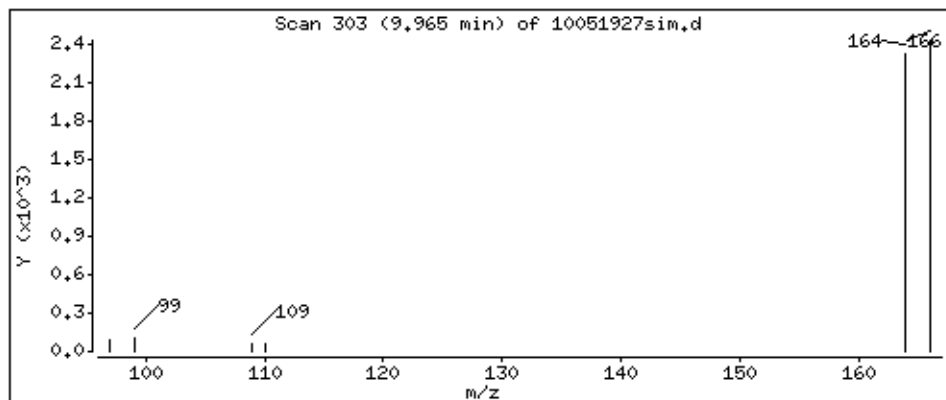
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

31 Tetrachloroethene

Concentration: 0.401670 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

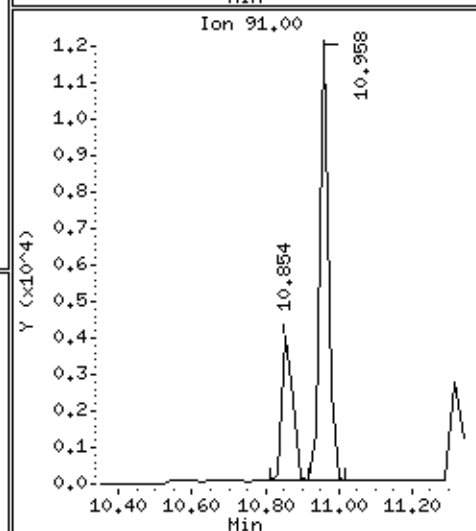
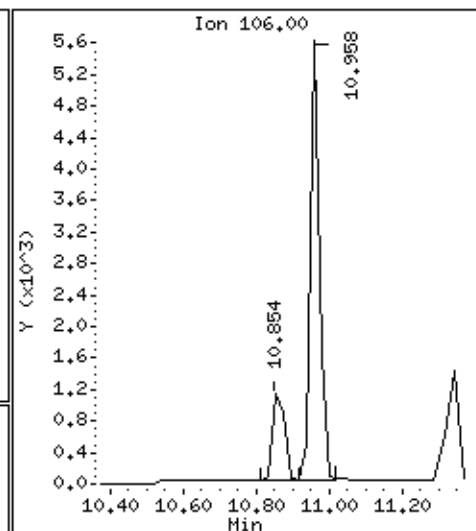
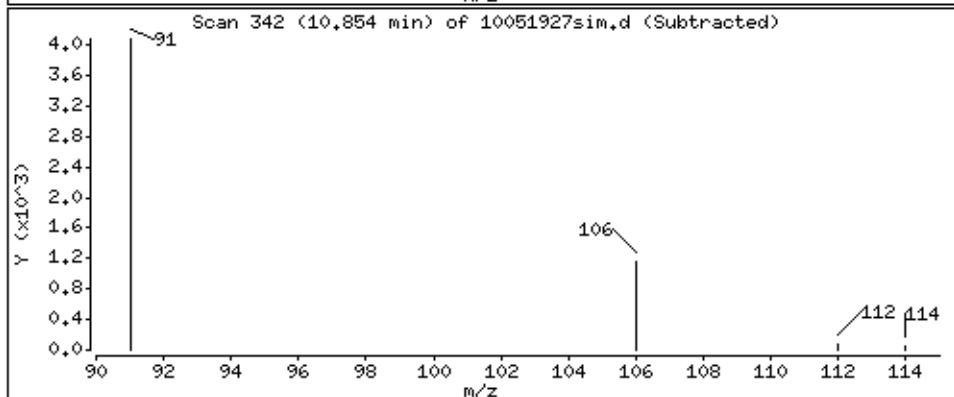
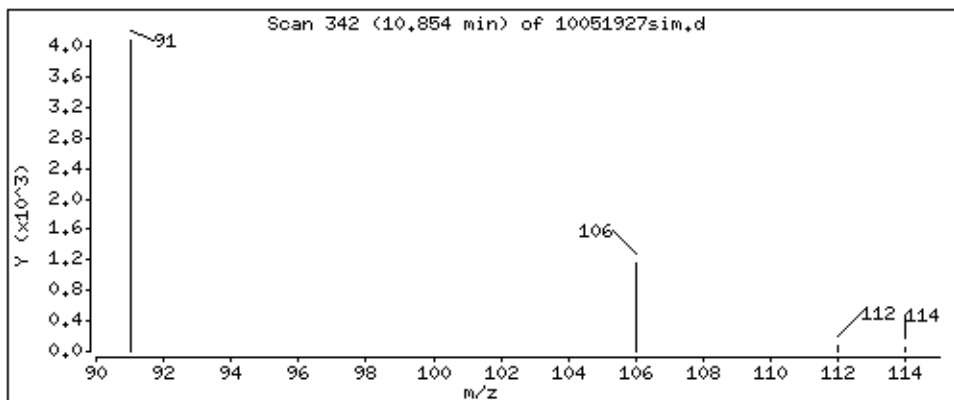
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 0.0775987 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

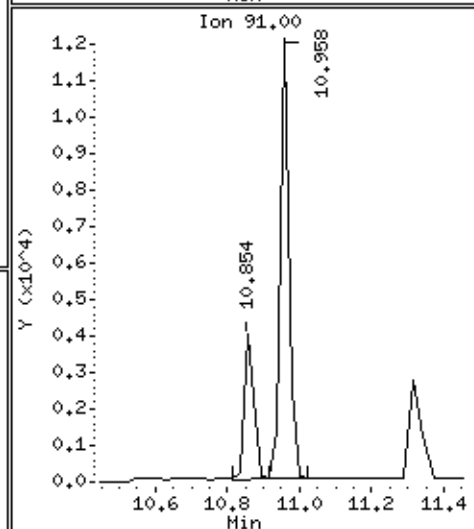
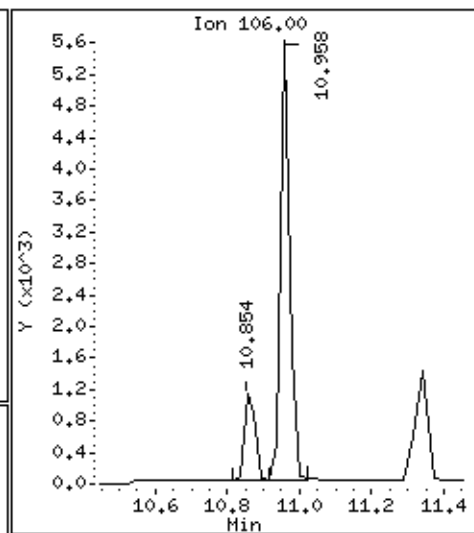
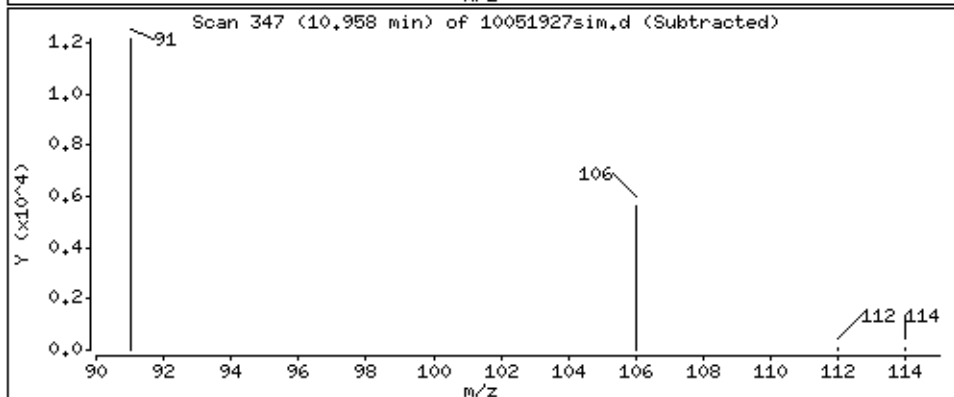
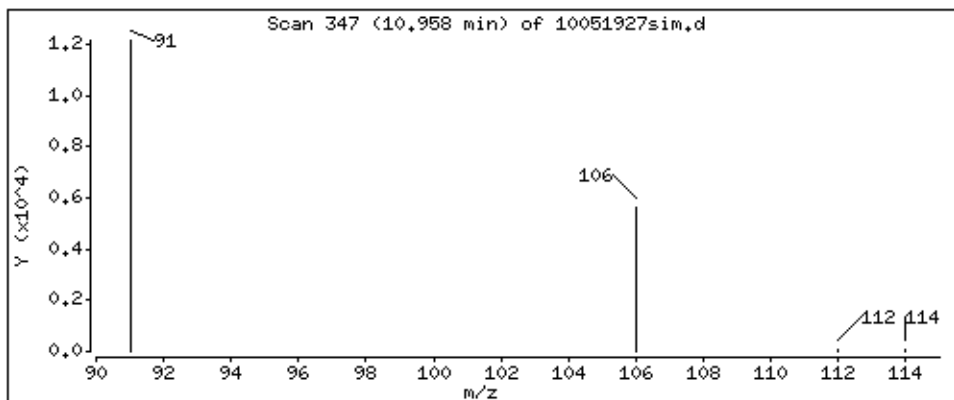
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 0.243181 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

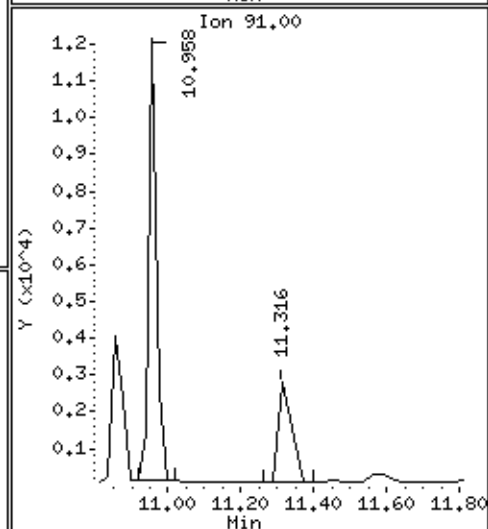
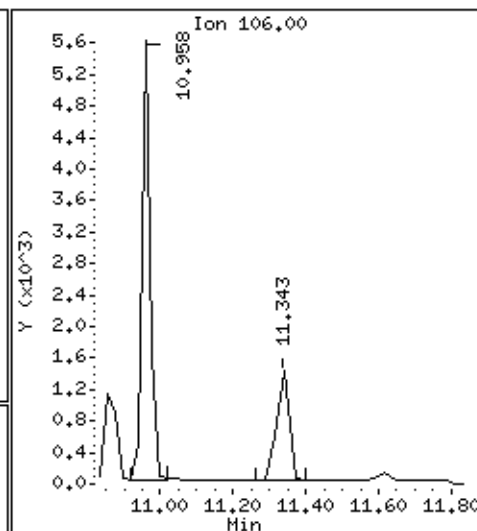
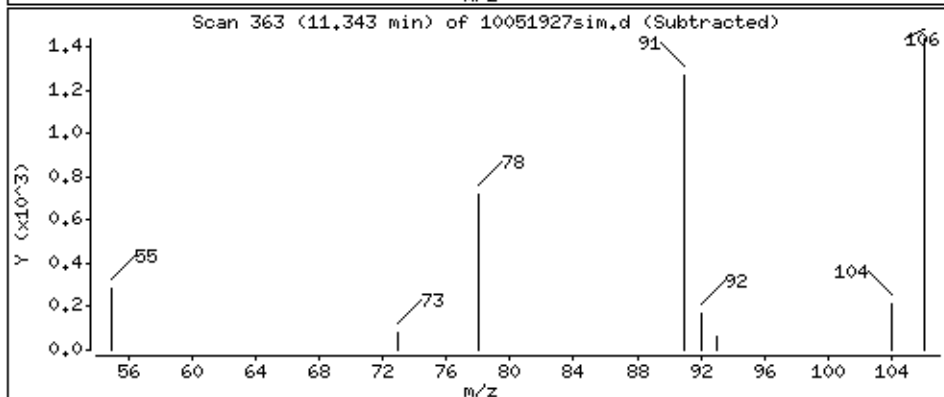
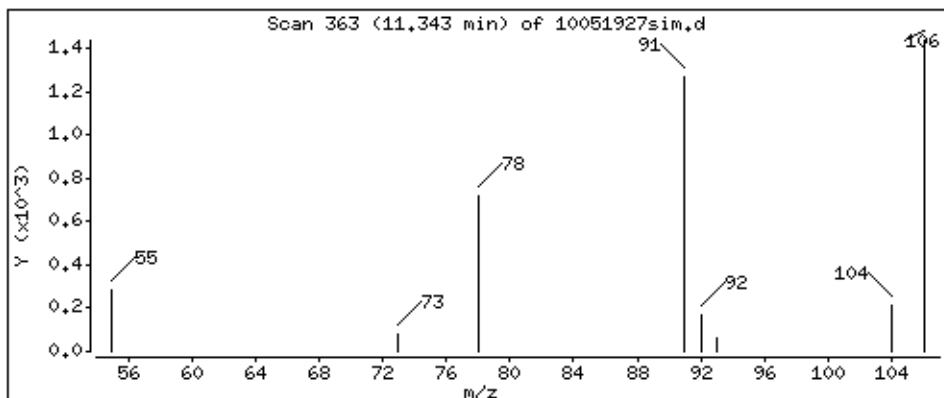
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 0.0803840 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

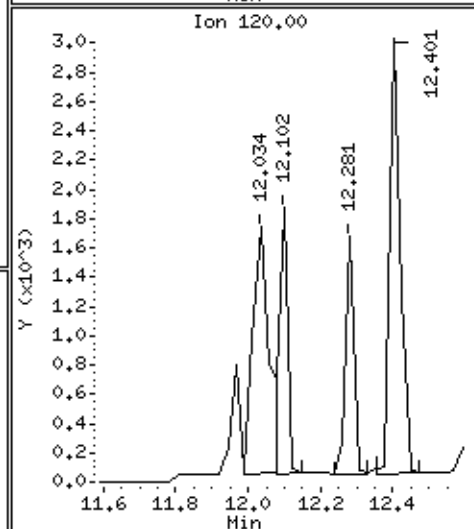
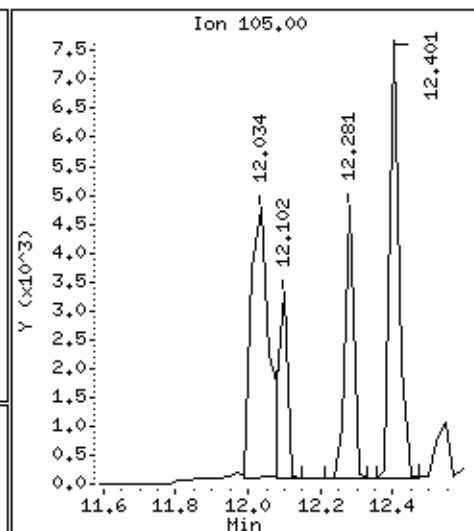
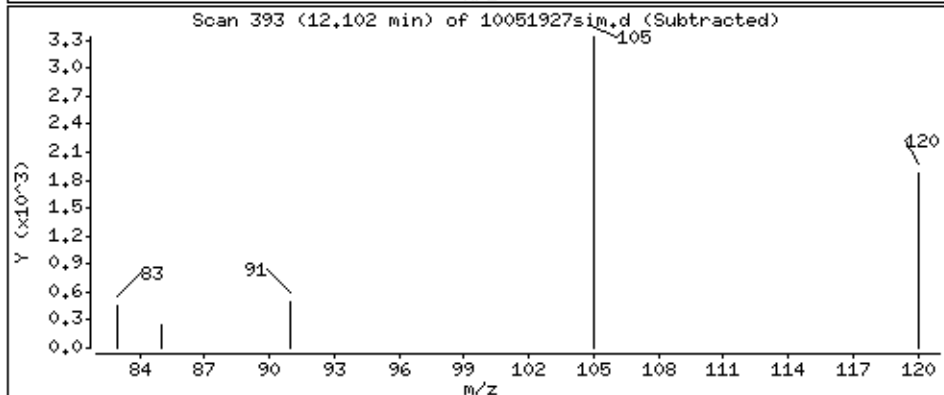
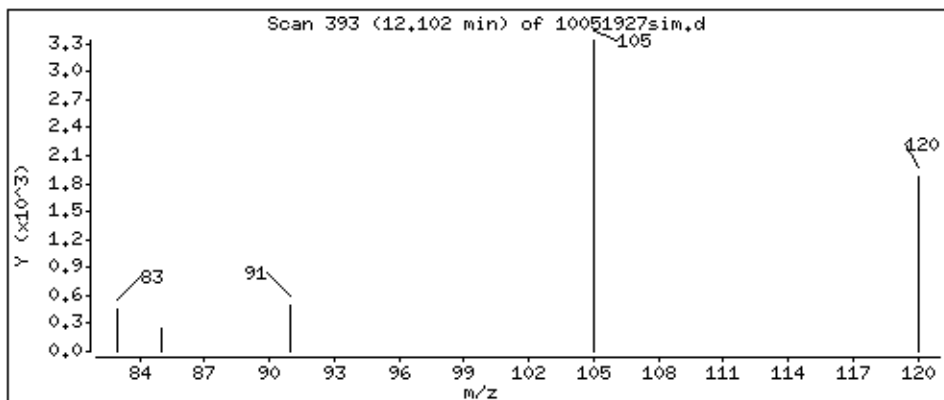
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 0.0785556 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

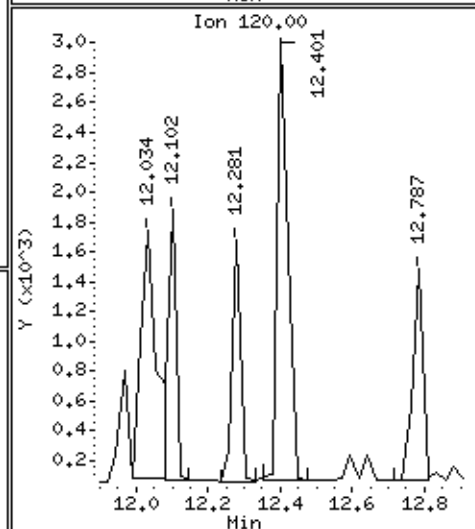
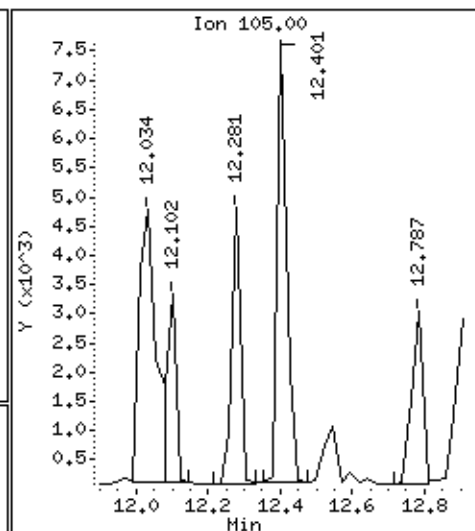
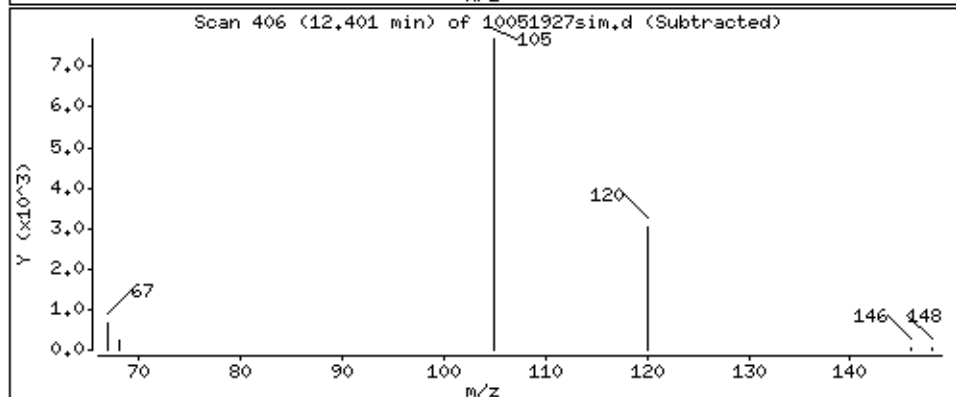
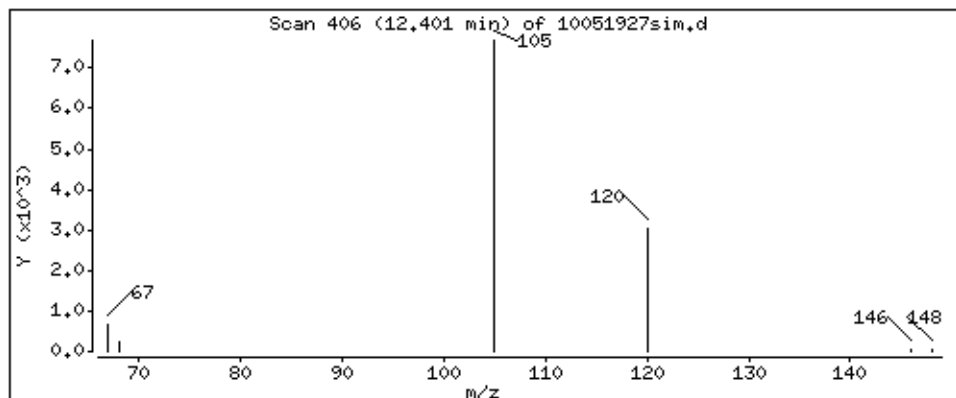
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 0.209209 ug



Date : 19-MAY-2011 20:23

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-02A;

Volume Injected (uL): 1.0

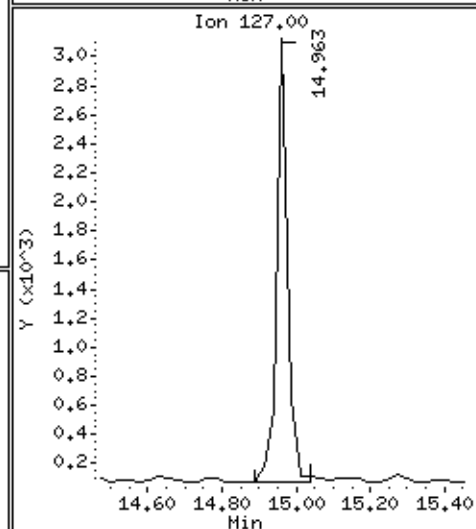
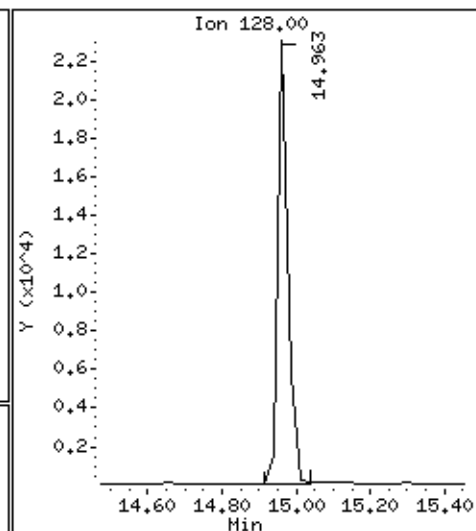
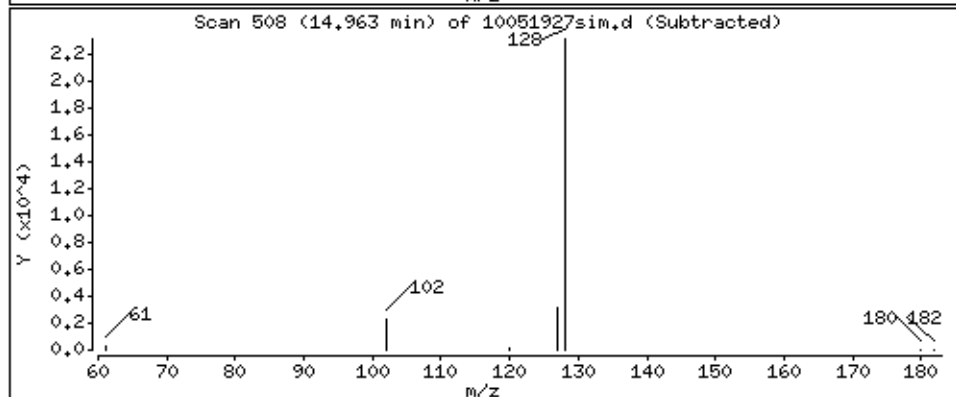
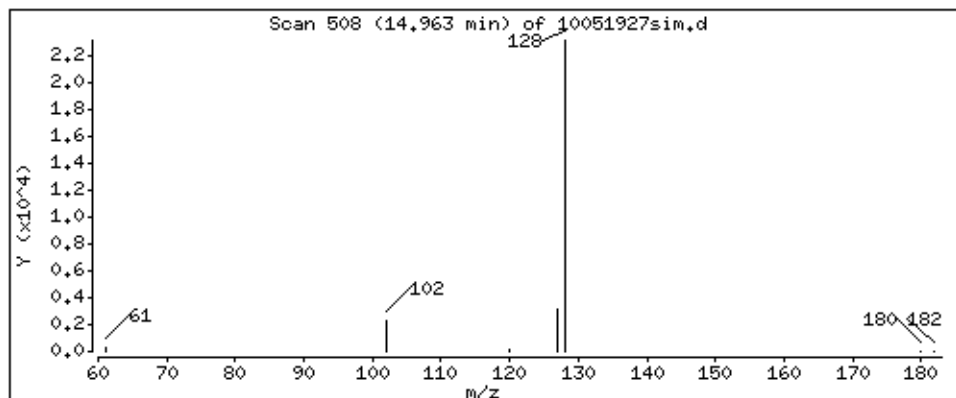
Operator: LZ

Column phase: DB-5,625

Column diameter: 0.25

49 Naphthalene

Concentration: 0.497183 ug



**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-SL022

Lab ID#: 1105031A-03A

No Detections Were Found.

Client Sample ID: IA-SL022

Lab ID#: 1105031A-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051923sim	Date of Collection: 4/28/11 4:19:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 06:54 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Vinyl Chloride	21	8.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.8	0.96	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.3	0.33	Not Detected	Not Detected
1,1,1-Trichloroethane	2.0	0.36	Not Detected	Not Detected
Carbon Tetrachloride	1.7	0.27	Not Detected	Not Detected
Trichloroethene	0.77	0.14	Not Detected	Not Detected
Tetrachloroethene	0.47	0.069	Not Detected	Not Detected

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051923sim.d

Calibration Time: 16:00

Lab Smp Id: 1105031A-03A

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	393119	196560	786238	373562	-4.97

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-03A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: 15800short.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.22781	104.56	70-130

Data File: /chem/msd10.i/19May2011a.b/10051923sim.d

Date : 19-May-2011 18:54

Client ID:

Sample Info: J1105031A-03A;

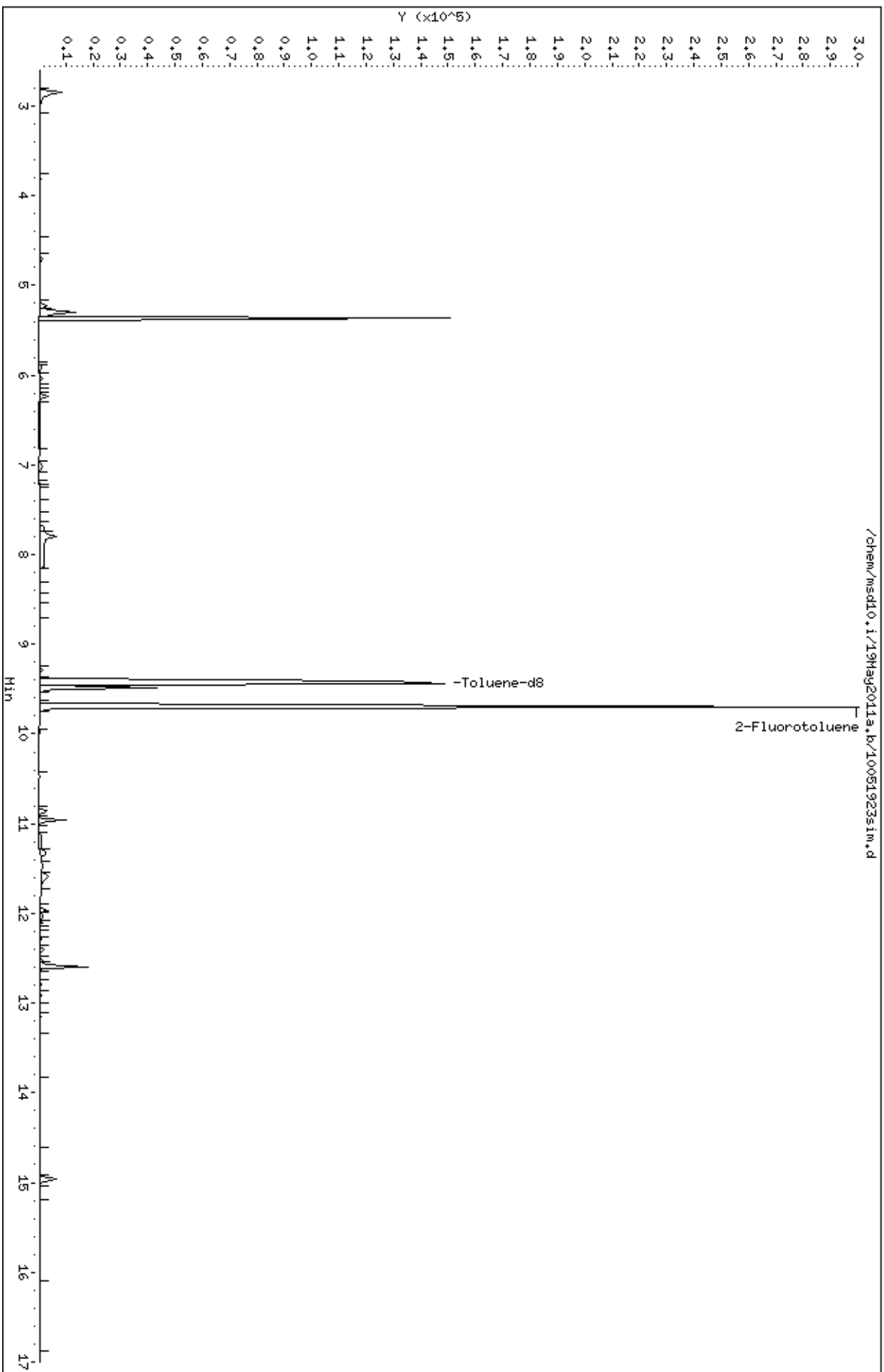
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-SL084

Lab ID#: 1105031A-04A

No Detections Were Found.

Client Sample ID: IA-SL084

Lab ID#: 1105031A-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051924sim	Date of Collection: 4/28/11 4:25:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 07:16 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Vinyl Chloride	21	8.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.8	0.96	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.3	0.33	Not Detected	Not Detected
1,1,1-Trichloroethane	2.0	0.36	Not Detected	Not Detected
Carbon Tetrachloride	1.7	0.27	Not Detected	Not Detected
Trichloroethene	0.77	0.14	Not Detected	Not Detected
Tetrachloroethene	0.47	0.070	Not Detected	Not Detected

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011a.b/10051924sim.d

Lab Smp Id: 1105031A-04A

Inj Date : 19-MAY-2011 19:16

Operator : LZ

Smp Info : ;1105031A-04A;

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Meth Date : 19-May-2011 16:18 lzhang

Cal Date : 17-MAY-2011 15:03

Als bottle: 9

Dil Factor: 1.00000

Integrator: HP RTE

Target Version: 3.50

Processing Host: eeyore

Inst ID: msd10.i

Quant Type: ISTD

Cal File: 10051710sim.d

Compound Sublist: 15800short.sub

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	382495	5.00000	
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	364159	5.25261	5.25261
2 Vinyl Chloride	62	Compound Not Detected.					
8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
17 1,1,1-Trichloroethane	97	Compound Not Detected.					
18 Carbon Tetrachloride	117	Compound Not Detected.					
22 Trichloroethene	130	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10051924sim.d
Lab Smp Id: 1105031A-04A
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Calibration Date: 19-MAY-2011
Calibration Time: 16:00
Level: MED
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	382495	-2.70

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-04A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: 15800short.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.25261	105.05	70-130

Data File: /chem/msd10.i/19May2011a.b/10051924sim.d

Date : 19-May-2011 19:16

Client ID:

Sample Info: J1105031A-04A;

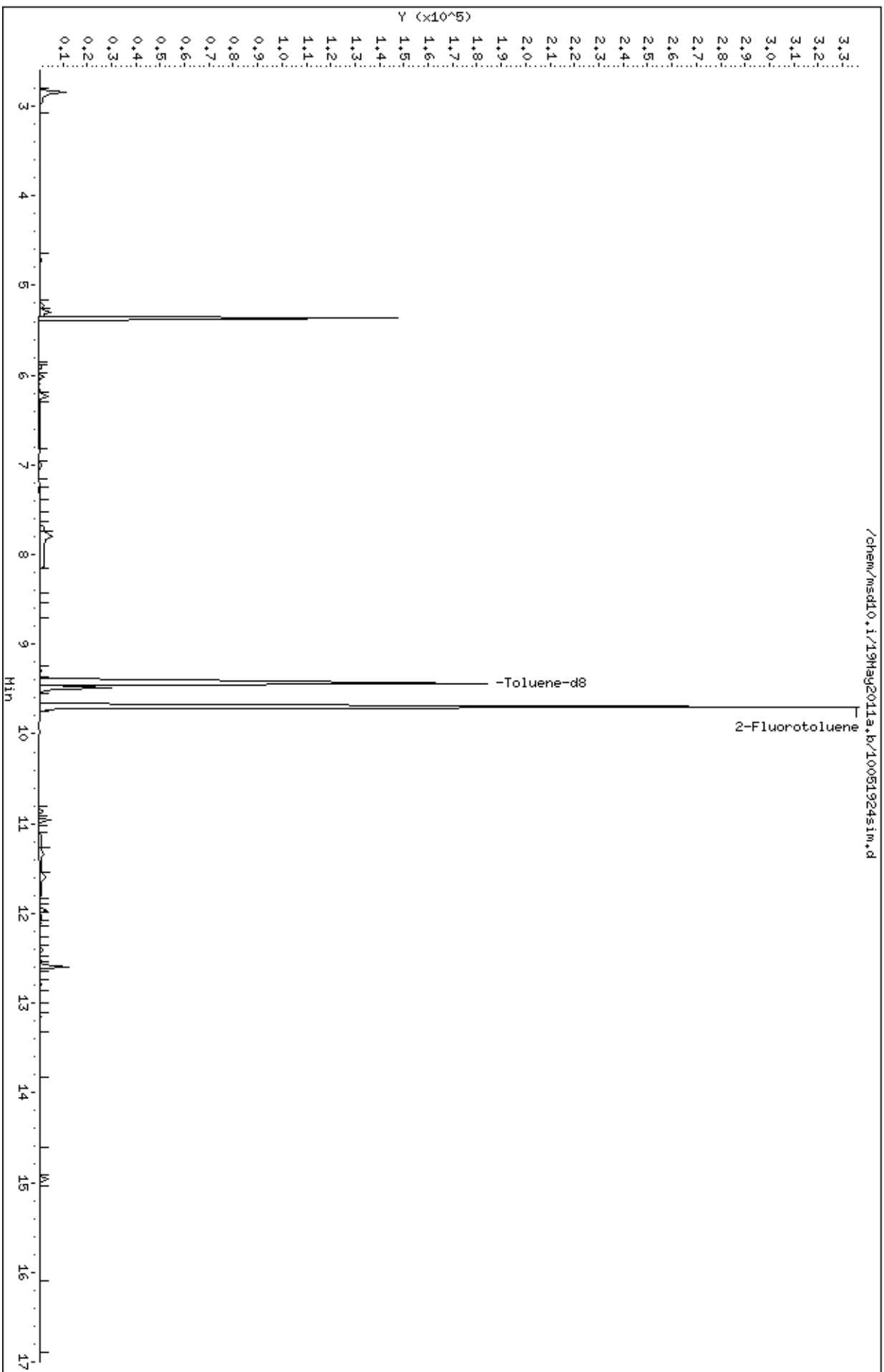
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: HPV-118-1

Lab ID#: 1105031A-05A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Acetone	1100	470	1400	600
Hexane	560	160	740	210
1,1,1-Trichloroethane	140	27	550	100
Trichloroethene	56	10	610	110
Toluene	44	12	54	14
Naphthalene	7.2	1.4	9.9 C	1.9 C

Client Sample ID: HPV-118-1

Lab ID#: 1105031A-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051928sim	Date of Collection: 4/28/11 9:20:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 08:45 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	1600	780	Not Detected	Not Detected
Vinyl Chloride	1500	600	Not Detected	Not Detected
1,1-Dichloroethene	900	230	Not Detected	Not Detected
Acetone	1100	470	1400	600
Methyl tert-butyl ether	150	42	Not Detected	Not Detected
trans-1,2-Dichloroethene	280	70	Not Detected	Not Detected
Hexane	560	160	740	210
1,1-Dichloroethane	160	38	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	150	50	Not Detected	Not Detected
cis-1,2-Dichloroethene	96	24	Not Detected	Not Detected
Chloroform	95	19	Not Detected	Not Detected
Cyclohexane	90	26	Not Detected	Not Detected
1,1,1-Trichloroethane	140	27	550	100
Carbon Tetrachloride	120	20	Not Detected	Not Detected
Benzene	170	54	Not Detected	Not Detected
1,2-Dichloroethane	72	18	Not Detected	Not Detected
Heptane	81	20	Not Detected	Not Detected
Trichloroethene	56	10	610	110
4-Methyl-2-pentanone	120	29	Not Detected	Not Detected
Toluene	44	12	54	14
1,1,2-Trichloroethane	56	10	Not Detected	Not Detected
Tetrachloroethene	34	5.1	Not Detected	Not Detected
Chlorobenzene	35	7.5	Not Detected	Not Detected
Ethyl Benzene	28	6.4	Not Detected	Not Detected
m,p-Xylene	29	6.8	Not Detected	Not Detected
o-Xylene	26	6.0	Not Detected	Not Detected
Styrene	26	6.1	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	26	3.8	Not Detected	Not Detected
Propylbenzene	19	3.9	Not Detected	Not Detected
1,3,5-Trimethylbenzene	17	3.4	Not Detected	Not Detected
1,2,4-Trimethylbenzene	15	3.0	Not Detected	Not Detected
1,3-Dichlorobenzene	14	2.4	Not Detected	Not Detected
1,4-Dichlorobenzene	14	2.3	Not Detected	Not Detected
1,2-Dichlorobenzene	12	2.1	Not Detected	Not Detected
Naphthalene	7.2	1.4	9.9 C	1.9 C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: HPV-118-1

Lab ID#: 1105031A-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051928sim	Date of Collection: 4/28/11 9:20:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 08:45 PM
		Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011a.b/10051928sim.d

Lab Smp Id: 1105031A-05A

Inj Date : 19-MAY-2011 20:45

Operator : LZ

Inst ID: msd10.i

Smp Info : ;1105031A-05A;

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Meth Date : 19-May-2011 16:18 lzhang

Quant Type: ISTD

Cal Date : 17-MAY-2011 15:03

Cal File: 10051710sim.d

Als bottle: 13

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: fullnosp.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	=====	=====
1 Chloromethane	50	Compound Not Detected.					
2 Vinyl Chloride	62	Compound Not Detected.					
3 Ethanol	45	Compound Not Detected.					
4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
5 Acetone	58	5.228	5.229	(0.539)	2324	0.25318	0.253180
7 MTBE	73	Compound Not Detected.					
8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
9 Hexane	57	6.238	6.211	(0.643)	8361	0.26138	0.261384
11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
13 2-Butanone	72	Compound Not Detected.					
14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
15 Chloroform-CCC	83	Compound Not Detected.					
16 Cyclohexane	84	Compound Not Detected.					
17 1,1,1-Trichloroethane	97	7.471	7.444	(0.770)	5687	0.18911	0.189112
18 Carbon Tetrachloride	117	Compound Not Detected.					
19 Benzene	78	Compound Not Detected.					

						CONCENTRATIONS	
		QUANT		SIG		ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.					
21 Heptane	71	Compound Not Detected.					
22 Trichloroethene	130	8.350	8.326	(0.861)	10542	0.54419	0.544191
25 4-Methyl-2-pentanone	85	Compound Not Detected.					
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	386653	5.32302	5.32302
28 Toluene-CCC	92	9.483	9.483	(0.978)	3512	0.06205	0.0620475
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	400750	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					
32 Chlorobenzene	112	Compound Not Detected.					
33 Ethylbenzene-CCC	106	Compound Not Detected.					
34 m,p-Xylene	106	Compound Not Detected.					
36 o-Xylene	106	Compound Not Detected.					
37 Styrene	104	Compound Not Detected.					
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.					
40 Propylbenzene	91	Compound Not Detected.					
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
44 1,3-Dichlorobenzene	146	Compound Not Detected.					
45 1,4-Dichlorobenzene	146	Compound Not Detected.					
46 1,2-Dichlorobenzene	146	Compound Not Detected.					
49 Naphthalene	128	14.963	14.963	(1.543)	7016	0.06874	0.0687358

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051928sim.d

Calibration Time: 16:00

Lab Smp Id: 1105031A-05A

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	400750	1.94

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-05A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.32302	106.46	70-130

Data File: /chem/msd10.i/19May2011a.b/10051928sim.d

Date : 19-May-2011 20:45

Client ID:

Sample Info: J1105031A-05A;

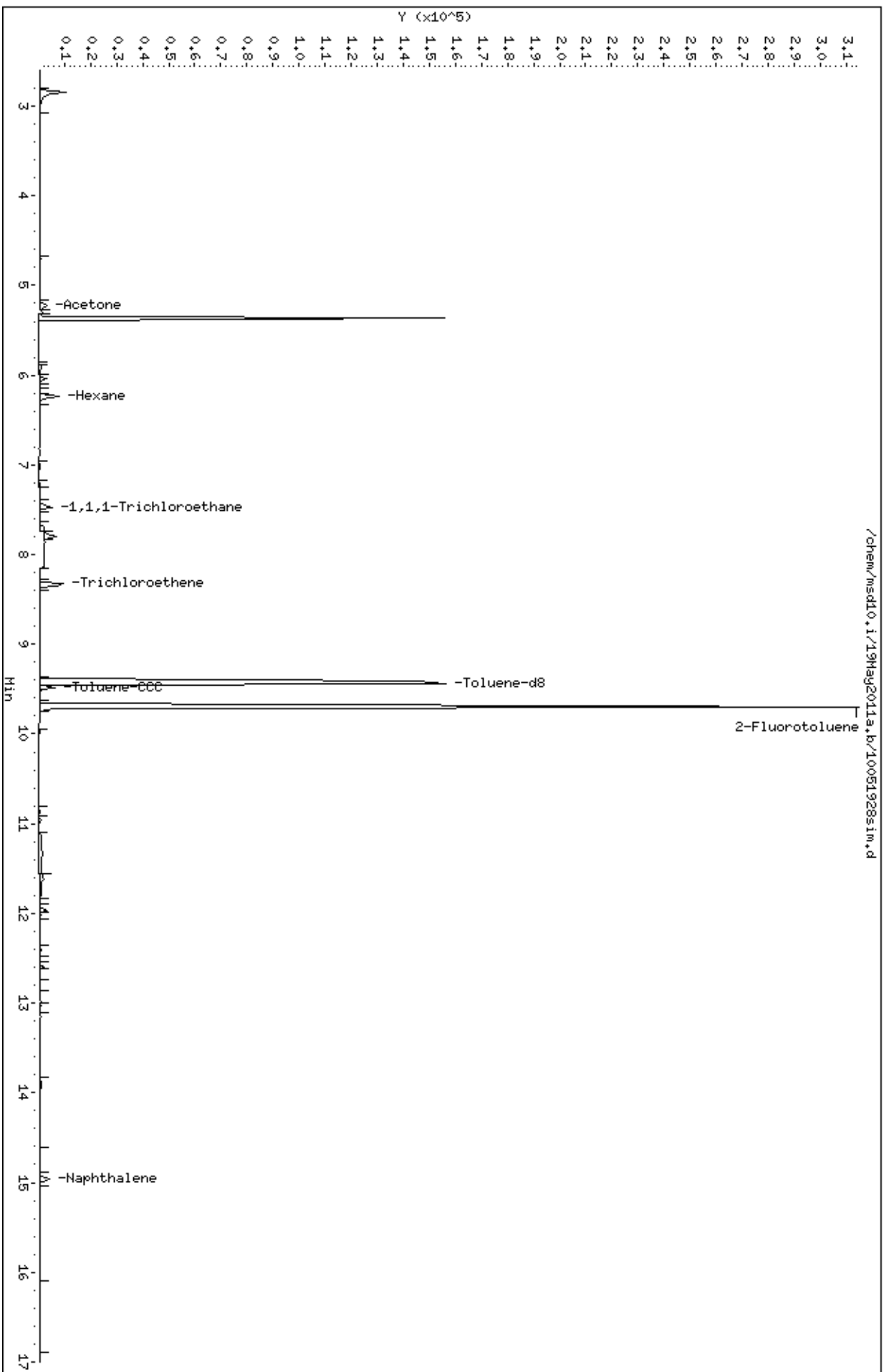
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

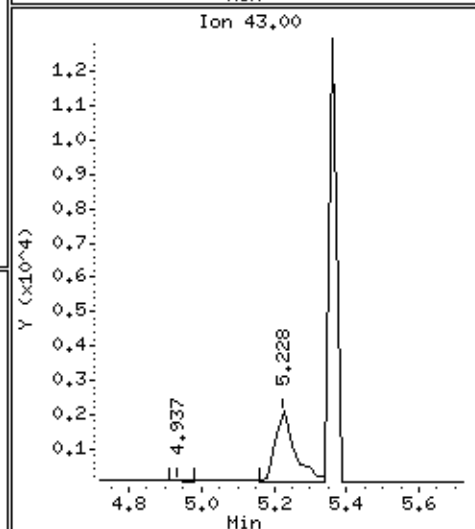
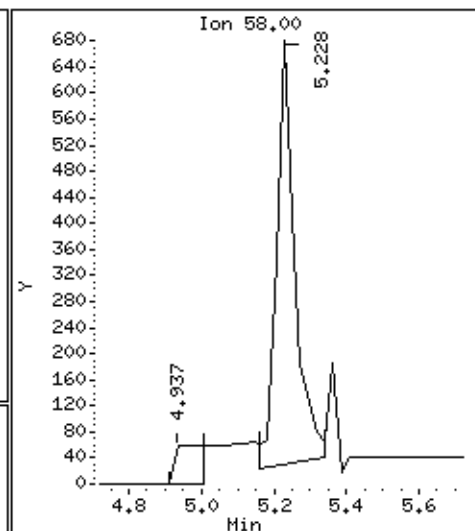
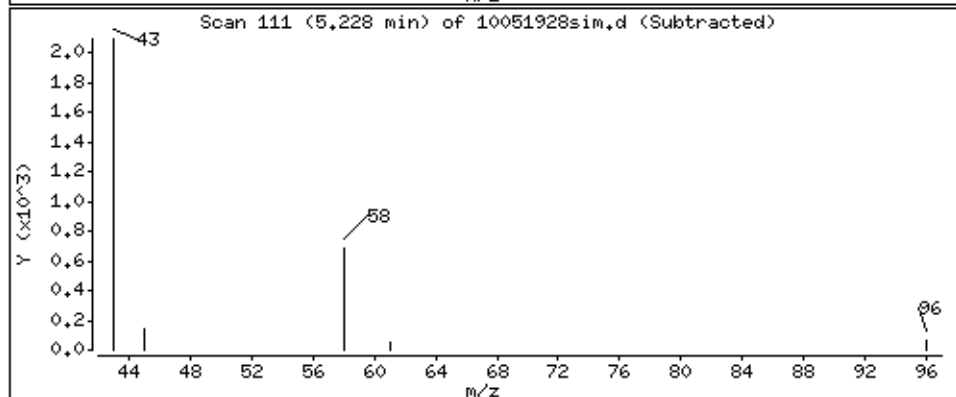
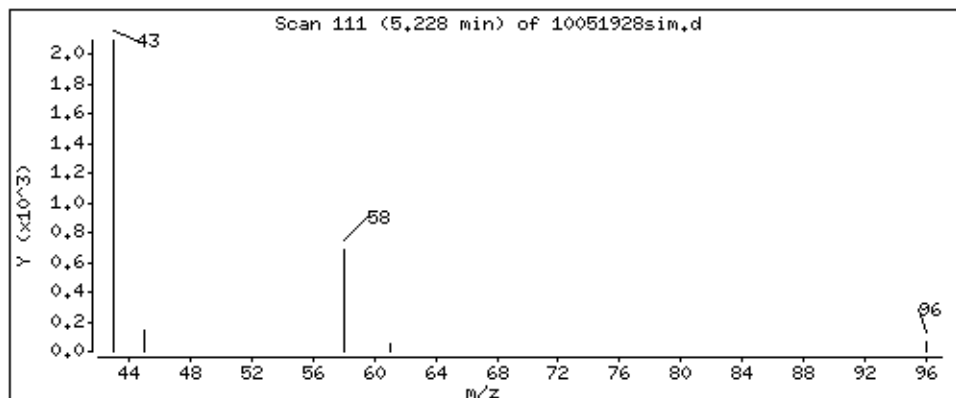
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

5 Acetone

Concentration: 0.253180 ug



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

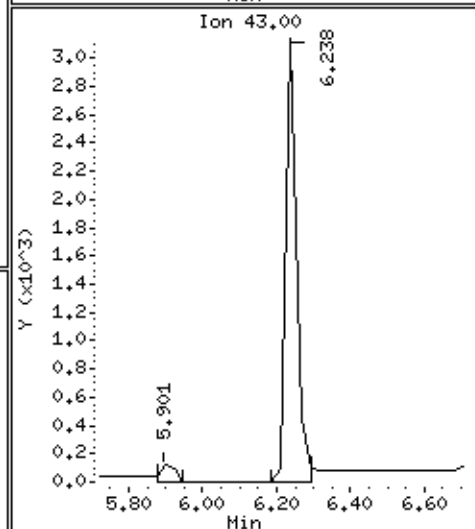
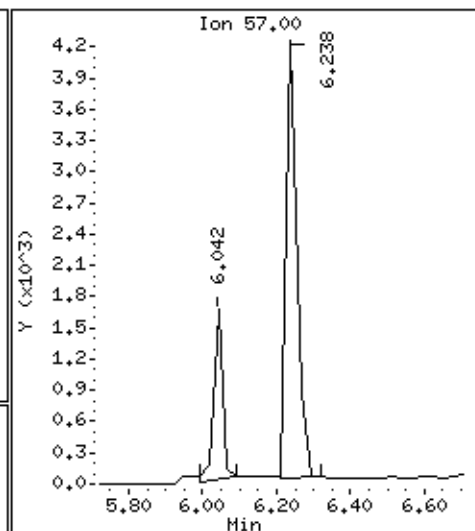
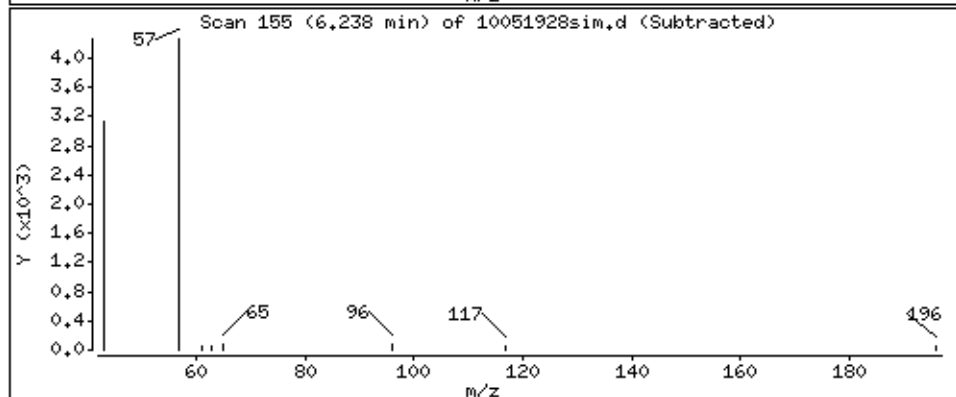
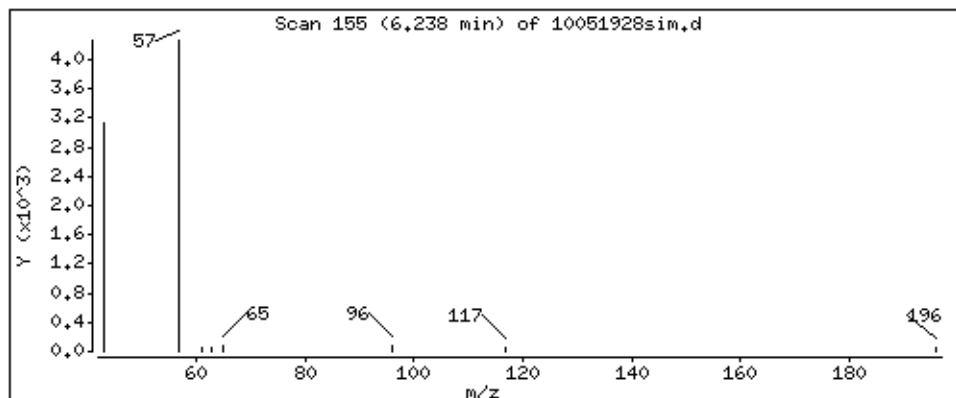
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 0.261384 ug



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

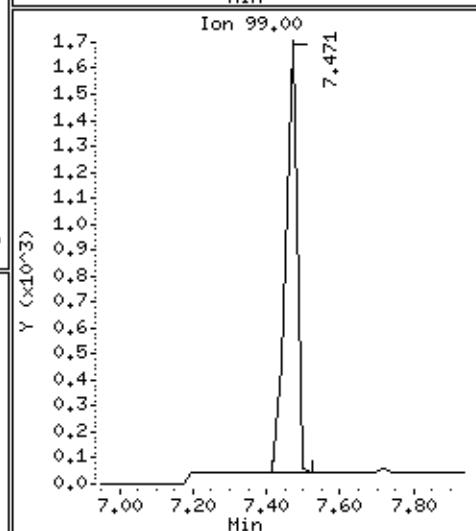
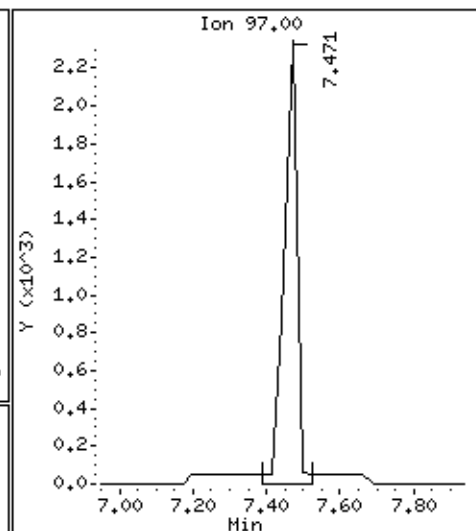
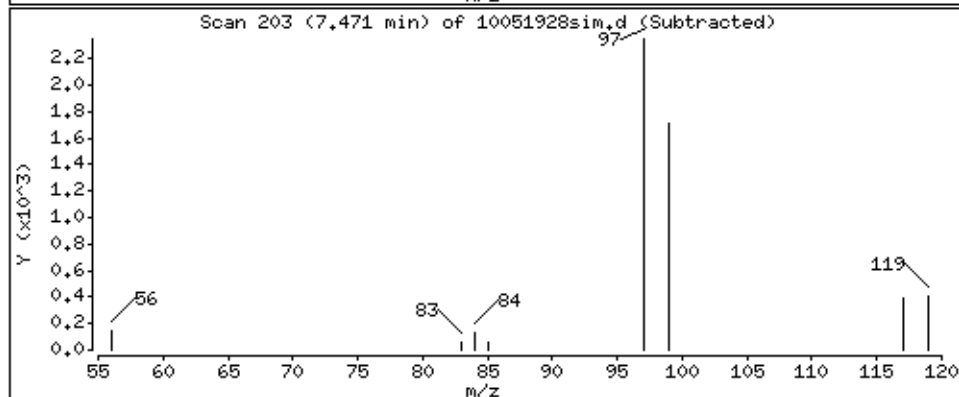
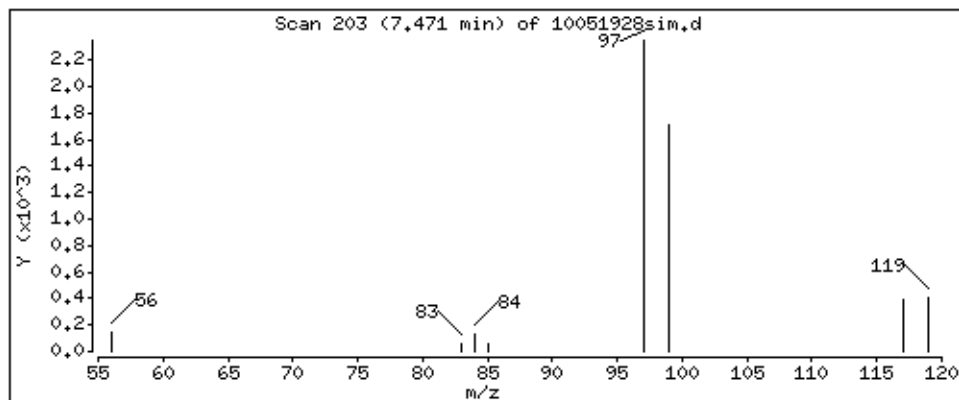
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 0.189112 ug



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

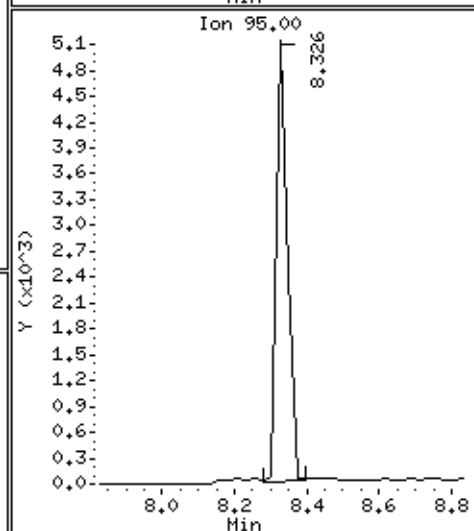
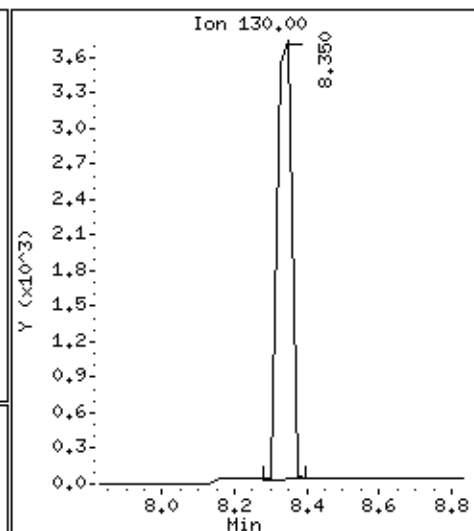
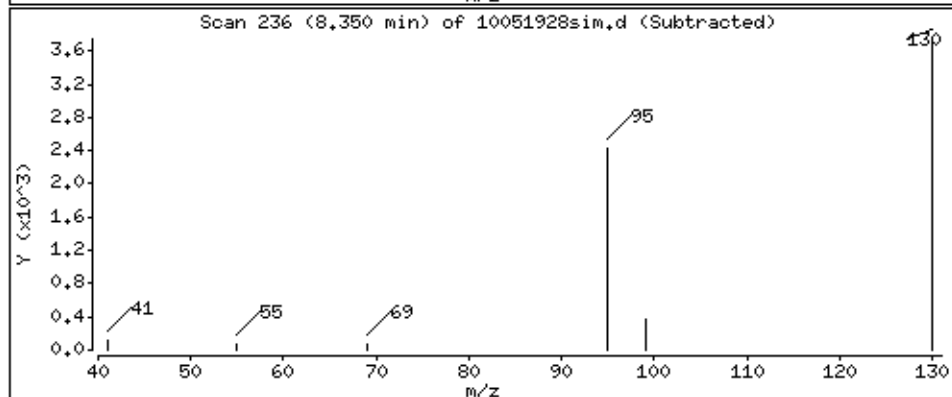
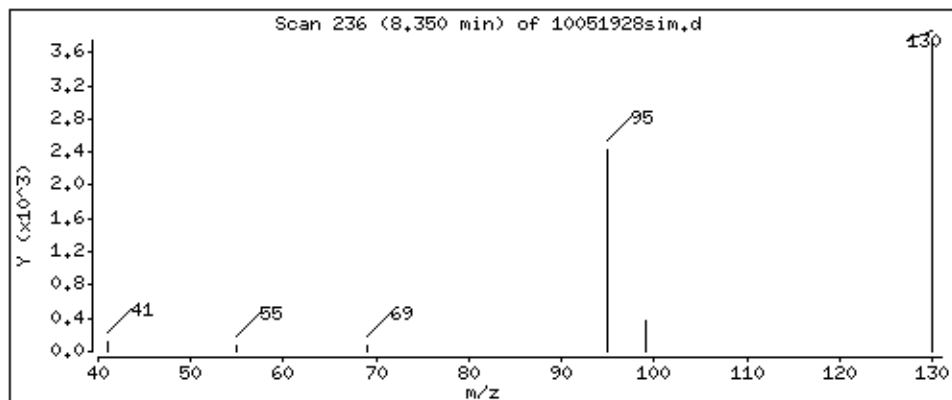
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 0.544191 ug



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

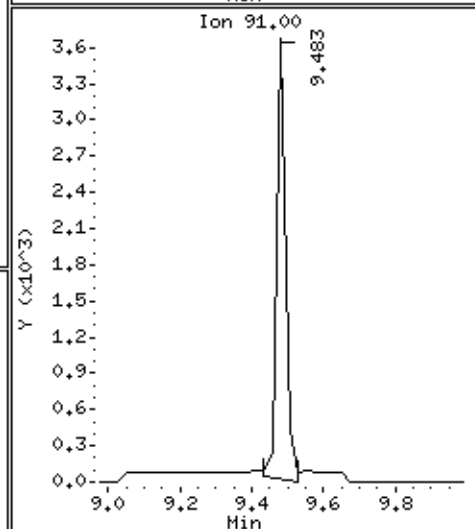
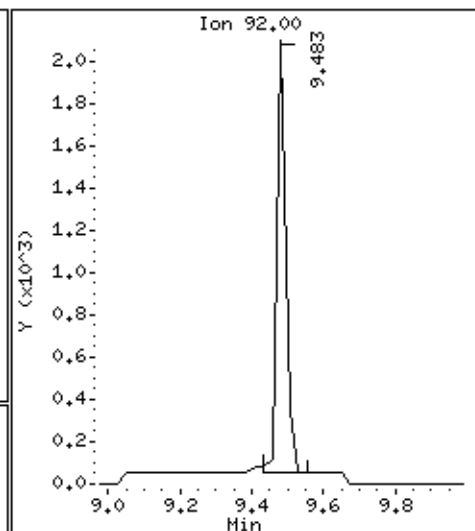
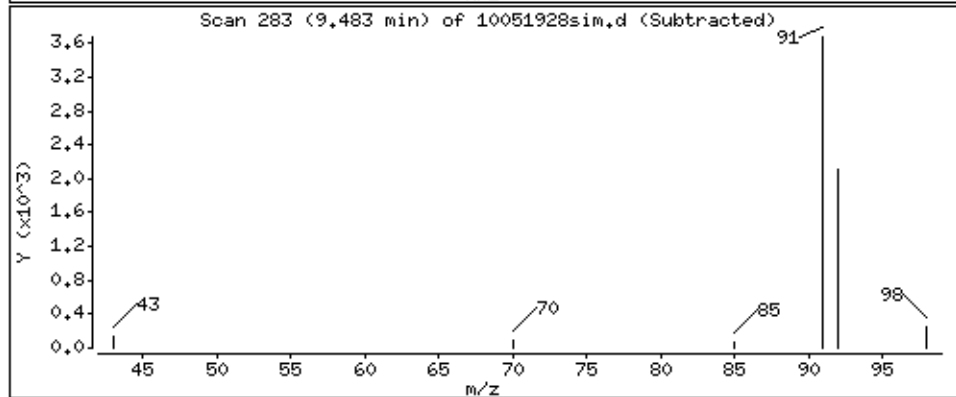
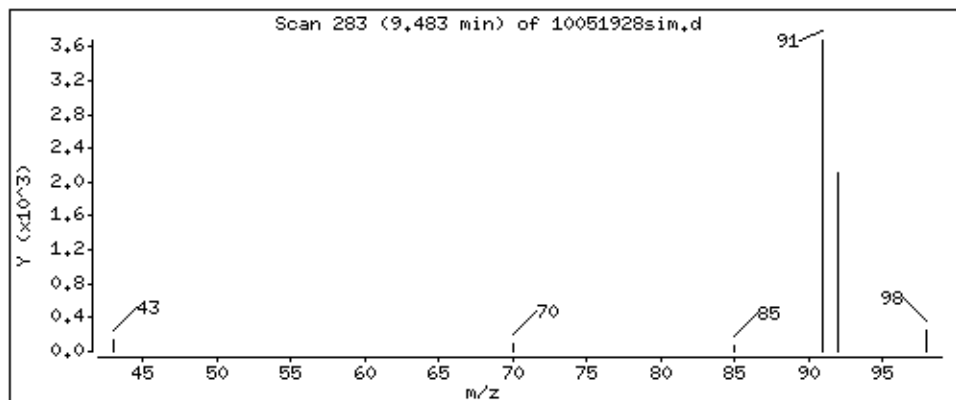
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 0.0620475 ug



Date : 19-MAY-2011 20:45

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-05A;

Volume Injected (uL): 1.0

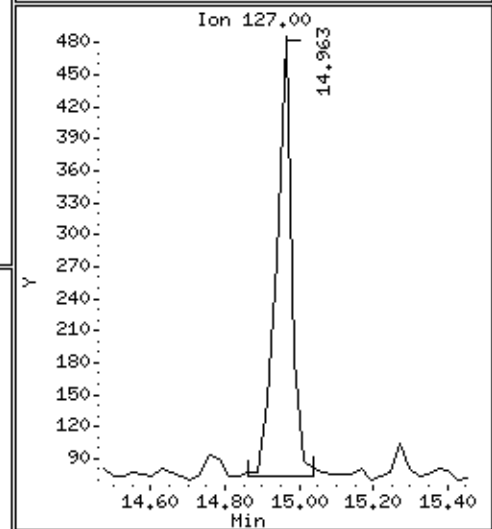
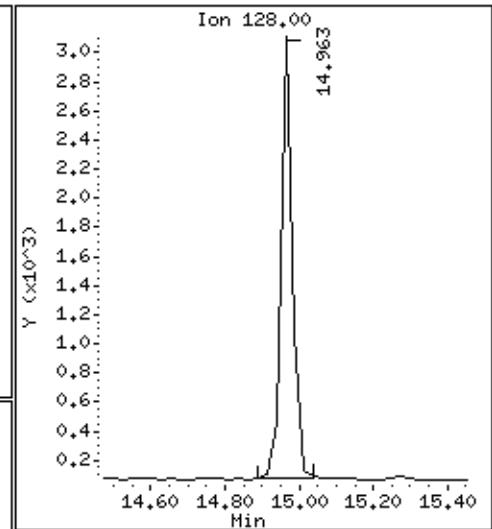
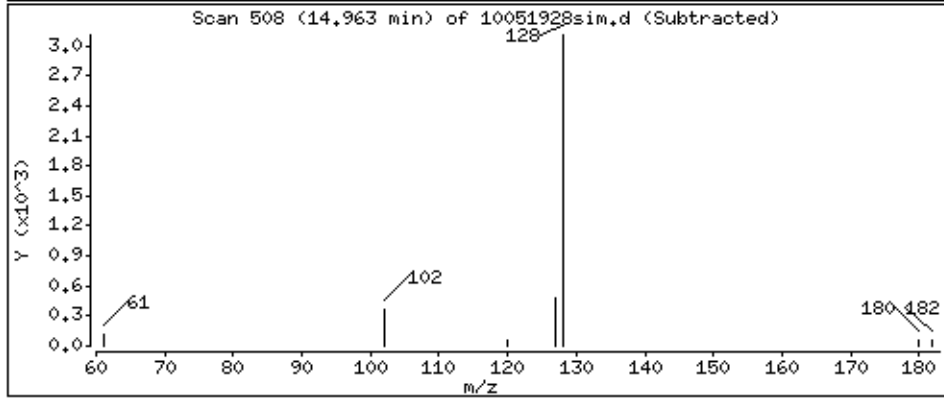
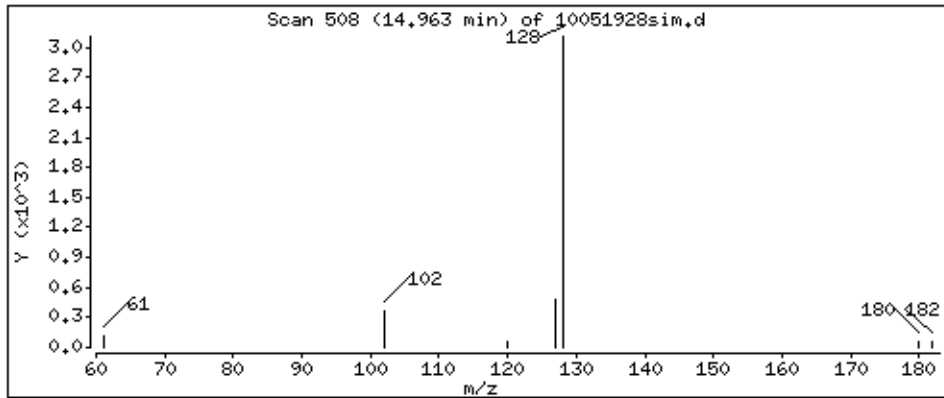
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

49 Naphthalene

Concentration: 0.0687358 ug



Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSS-SL084

Lab ID#: 1105031A-07A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
trans-1,2-Dichloroethene	3.6	0.92	190	47
Hexane	7.3	2.1	20	5.8
1,1-Dichloroethane	2.0	0.50	13	3.2
2-Butanone (Methyl Ethyl Ketone)	1.9	0.65	10	3.4
cis-1,2-Dichloroethene	1.2	0.32	370	94
Chloroform	1.2	0.25	8.0	1.6
Cyclohexane	1.2	0.34	1.6	0.45
1,1,1-Trichloroethane	1.9	0.35	13	2.4
Benzene	2.2	0.70	4.1	1.3
Heptane	1.0	0.26	4.3	1.0
Trichloroethene	3.7	0.68	11000	2000
Toluene	0.57	0.15	5.7	1.5
Tetrachloroethene	0.45	0.066	4.2	0.62
Ethyl Benzene	0.36	0.084	1.0	0.24
m,p-Xylene	0.38	0.088	4.6	1.0
o-Xylene	0.34	0.079	1.4	0.33
Propylbenzene	0.25	0.051	0.48	0.099
1,3,5-Trimethylbenzene	0.22	0.045	0.48	0.098
1,2,4-Trimethylbenzene	0.19	0.039	0.85	0.17
Naphthalene	0.094	0.018	0.40 C	0.076 C

Client Sample ID: PSS-SL084

Lab ID#: 1105031A-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051929sim	Date of Collection: 4/29/11 9:43:00 AM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 09:08 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	21	10	Not Detected	Not Detected
Vinyl Chloride	20	7.8	Not Detected	Not Detected
1,1-Dichloroethene	12	3.0	Not Detected	Not Detected
Acetone	14	6.1	Not Detected	Not Detected
Methyl tert-butyl ether	2.0	0.54	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.6	0.92	190	47
Hexane	7.3	2.1	20	5.8
1,1-Dichloroethane	2.0	0.50	13	3.2
2-Butanone (Methyl Ethyl Ketone)	1.9	0.65	10	3.4
cis-1,2-Dichloroethene	1.2	0.32	370	94
Chloroform	1.2	0.25	8.0	1.6
Cyclohexane	1.2	0.34	1.6	0.45
1,1,1-Trichloroethane	1.9	0.35	13	2.4
Carbon Tetrachloride	1.6	0.25	Not Detected	Not Detected
Benzene	2.2	0.70	4.1	1.3
1,2-Dichloroethane	0.93	0.23	Not Detected	Not Detected
Heptane	1.0	0.26	4.3	1.0
Trichloroethene	3.7	0.68	11000	2000
4-Methyl-2-pentanone	1.5	0.38	Not Detected	Not Detected
Toluene	0.57	0.15	5.7	1.5
1,1,2-Trichloroethane	0.73	0.13	Not Detected	Not Detected
Tetrachloroethene	0.45	0.066	4.2	0.62
Chlorobenzene	0.45	0.098	Not Detected	Not Detected
Ethyl Benzene	0.36	0.084	1.0	0.24
m,p-Xylene	0.38	0.088	4.6	1.0
o-Xylene	0.34	0.079	1.4	0.33
Styrene	0.34	0.079	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.34	0.050	Not Detected	Not Detected
Propylbenzene	0.25	0.051	0.48	0.099
1,3,5-Trimethylbenzene	0.22	0.045	0.48	0.098
1,2,4-Trimethylbenzene	0.19	0.039	0.85	0.17
1,3-Dichlorobenzene	0.19	0.031	Not Detected	Not Detected
1,4-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
1,2-Dichlorobenzene	0.16	0.027	Not Detected	Not Detected
Naphthalene	0.094	0.018	0.40 C	0.076 C

C = Estimated concentration due to calculated sampling rate.

The result for Trichloroethene is reported from file 10052011sim, analyzed on 5/20/2011 with dilution factor 5.0.

Container Type: WMS-SE

Client Sample ID: PSS-SL084

Lab ID#: 1105031A-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051929sim
Dil. Factor: 1.00

Date of Collection: 4/29/11 9:43:00 AM
Date of Analysis: 5/19/11 09:08 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	=====	=====	
21 Heptane	71	7.855	7.855	(0.810)	4414	0.20231	0.202312	
22 Trichloroethene	130	8.350	8.326	(0.861)	18717129	983.079	983.078(A)	
25 4-Methyl-2-pentanone	85	Compound Not Detected.						
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	365866	5.12483	5.12483	
28 Toluene-CCC	92	9.483	9.483	(0.978)	27989	0.50313	0.503127	
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	393870	5.00000		
30 1,1,2-Trichloroethane	97	Compound Not Detected.						
31 Tetrachloroethene	164	9.989	9.989	(1.030)	7777	0.46882	0.468818	
32 Chlorobenzene	112	Compound Not Detected.						
33 Ethylbenzene-CCC	106	10.854	10.875	(1.119)	4832	0.14134	0.141344	
34 m,p-Xylene	106	10.958	10.958	(1.130)	24690	0.59614	0.596139	
36 o-Xylene	106	11.343	11.344	(1.169)	8950	0.21080	0.210803	
37 Styrene	104	Compound Not Detected.						
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.						
40 Propylbenzene	91	11.967	11.967	(1.234)	12434	0.09583	0.0958314	
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	9691	0.10856	0.108560	
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	15503	0.22012	0.220121	
44 1,3-Dichlorobenzene	146	Compound Not Detected.						
45 1,4-Dichlorobenzene	146	Compound Not Detected.						
46 1,2-Dichlorobenzene	146	Compound Not Detected.						
49 Naphthalene	128	14.937	14.963	(1.540)	21233	0.21165	0.211653	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/20May2011.b/10052011sim.d
Lab Smp Id: 1105311A-07AClient Smp ID: 5x
Inj Date : 20-MAY-2011 13:52
Operator : gmInst ID: msd10.i
Smp Info : ;1105311A-07A;5x
Misc Info : ,NOTICS
Comment :
Method : /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m
Meth Date : 20-May-2011 09:31 gmashQuant Type: ISTD
Cal Date : 17-MAY-2011 15:03Cal File: 10051710sim.d
Als bottle: 8
Dil Factor: 5.00000
Integrator: HP RTECompound Sublist: TCE.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd VariableLocal Compound Variable

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	=====	=====
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	66861	1.04346	5.21729
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	353517	5.00000	
22 Trichloroethene	130	8.326	8.326	(0.858)	2479209	145.079	725.395

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10051929sim.d
Lab Smp Id: 1105031A-07A
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Calibration Date: 19-MAY-2011
Calibration Time: 16:00
Level: MED
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	393870	0.19

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.iCalibration Date: 20-MAY-2011

Lab File ID: 10052011sim.dCalibration Time: 09:12

Lab Smp Id: 1105311A-07AClient Smp ID: 5x

Analysis Type: SVLevel: MED

Quant Type: ISTDSample Type: AIR

Operator: gm

Method File: /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	304814	152407	609628	353517	15.98

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-07A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.12483	102.50	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name:Client SDG: 20May2011

Sample Matrix: GASFraction: SV

Lab Smp Id: 1105311A-07AClient Smp ID: 5x

Level: MEDOperator: gm

Data Type: MS DATASampleType: SAMPLE

SpikeList File: LCS-CMR130.spkQuant Type: ISTD

Sublist File: TCE.sub

Method File: /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.21729	104.35	70-130

Data File: /chem/msd10.i/19May2011a.b/10051929sim.d

Date : 19-May-2011 21:08

Client ID:

Sample Info: J1105031A-07A;

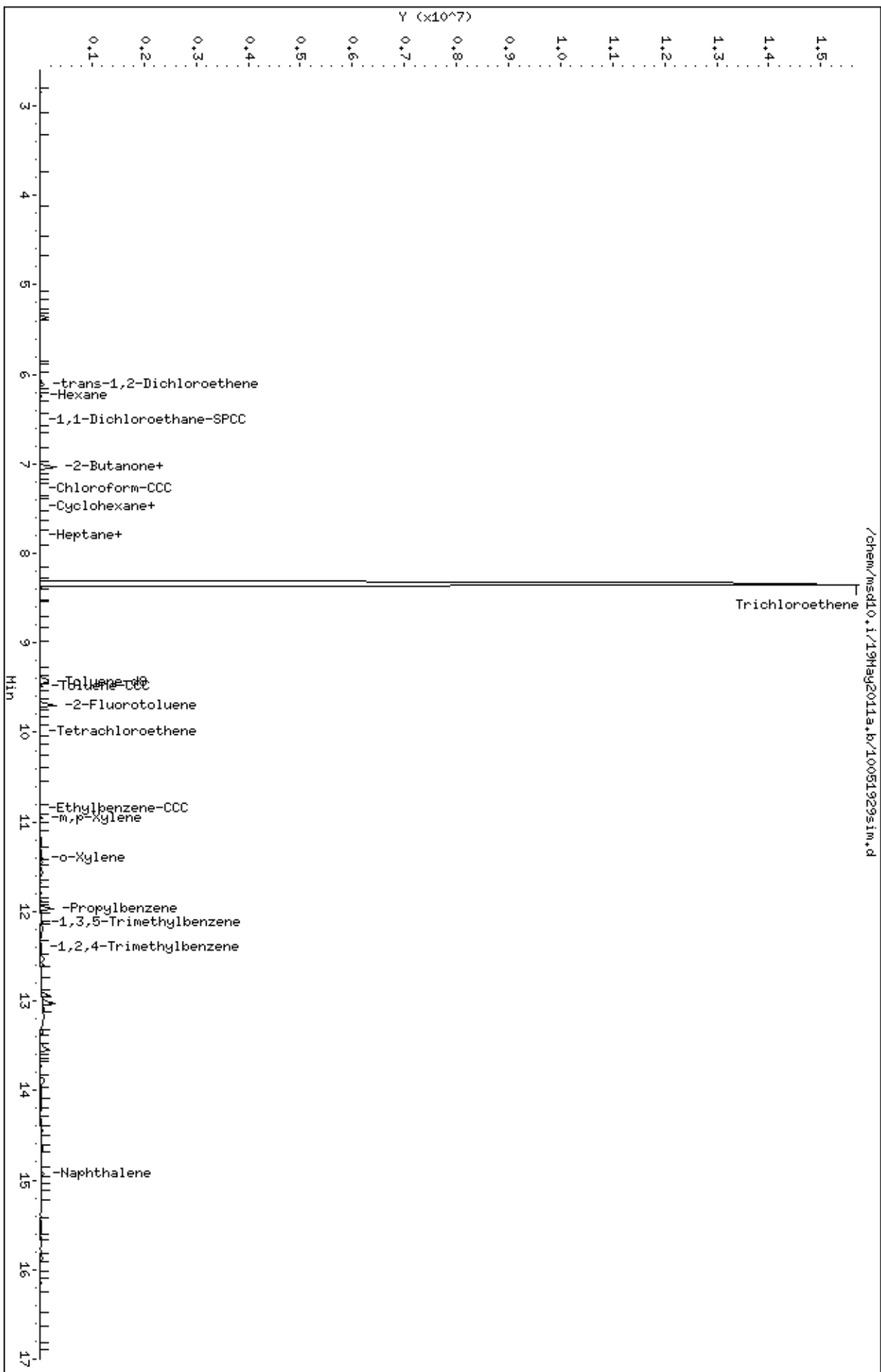
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

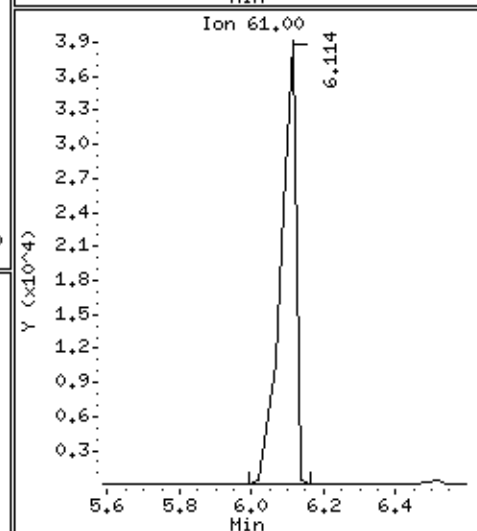
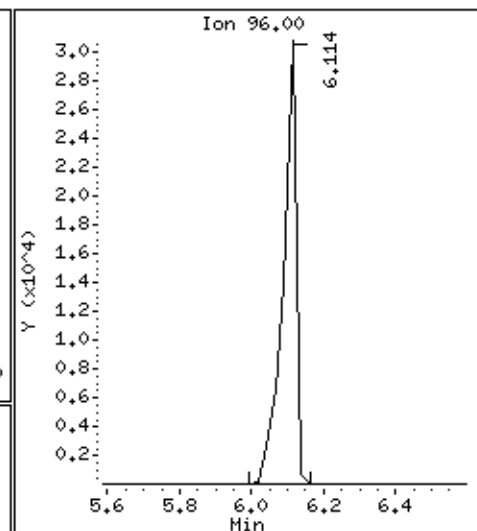
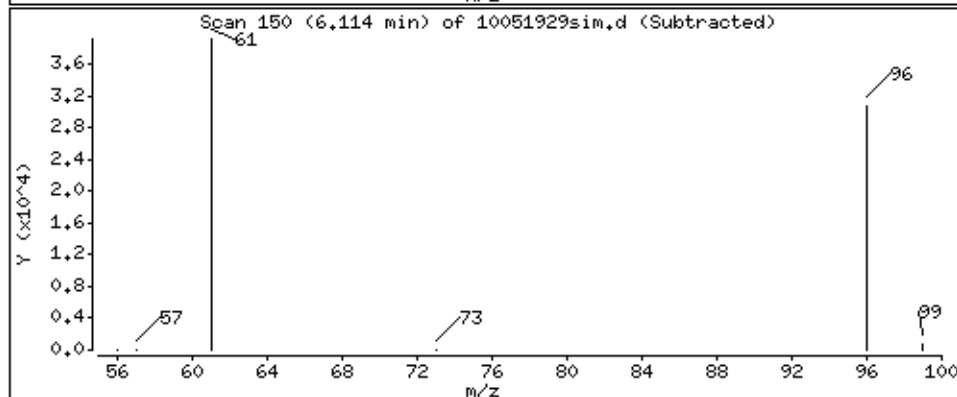
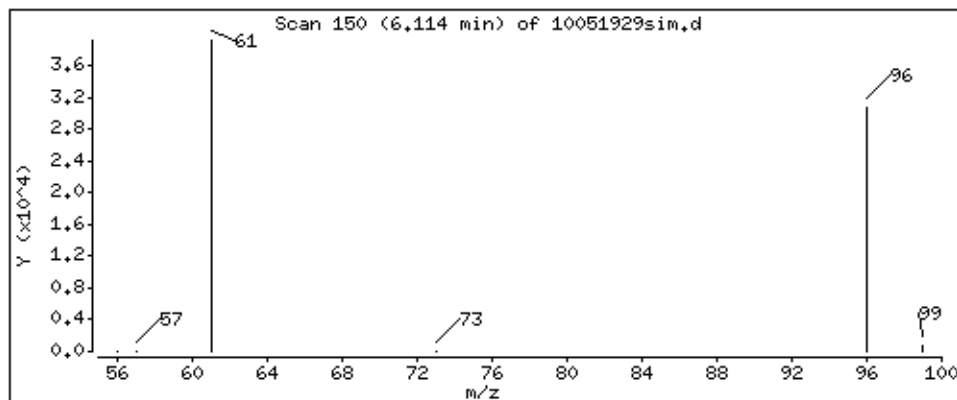
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

8 trans-1,2-Dichloroethene

Concentration: 5.13397 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

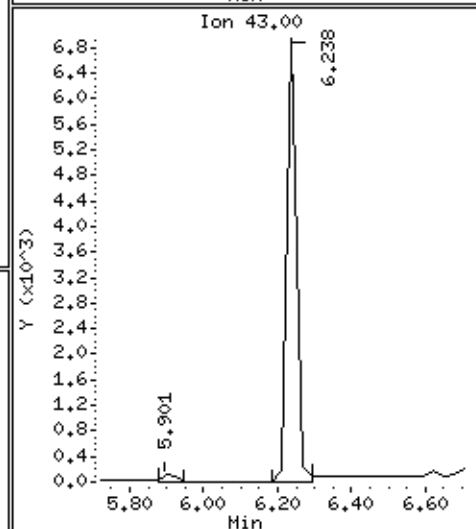
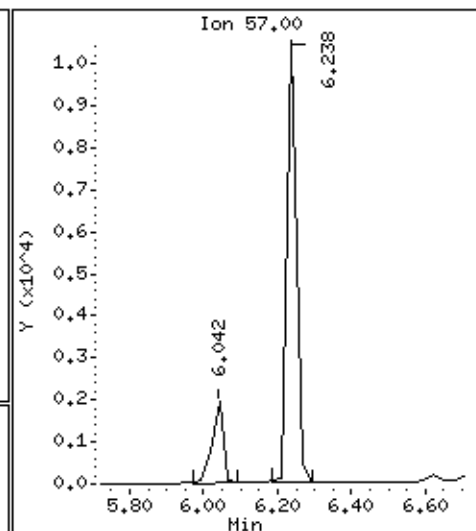
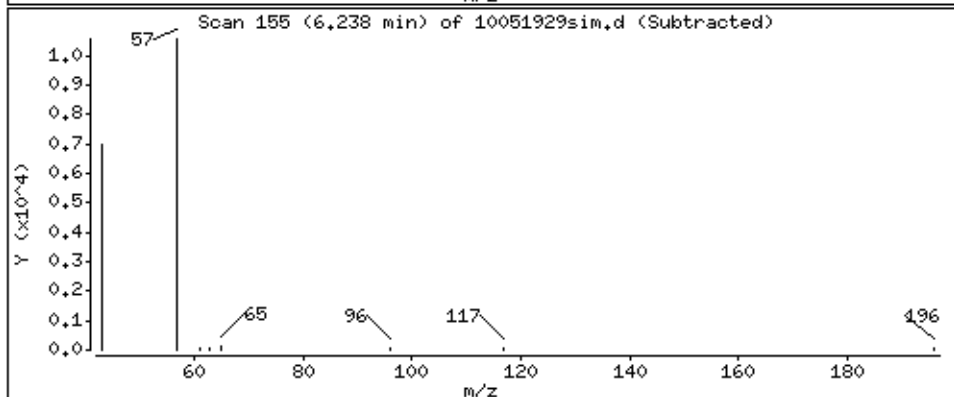
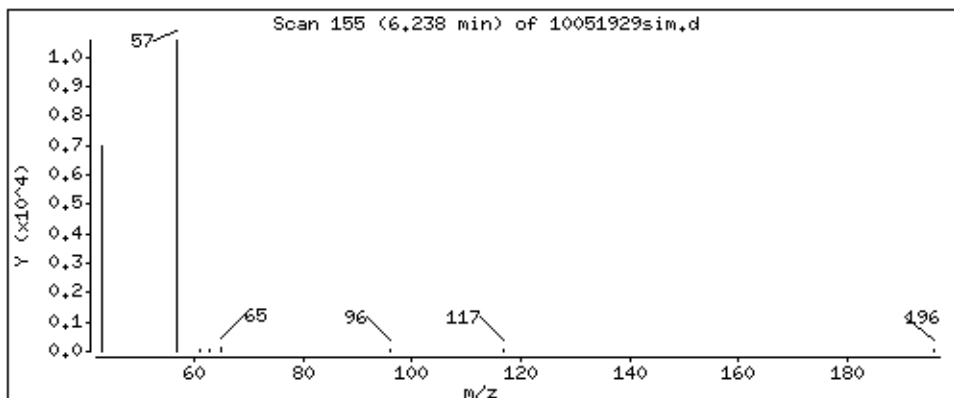
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 0.559669 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

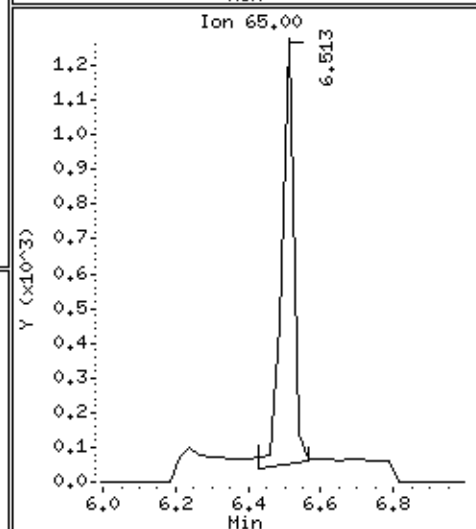
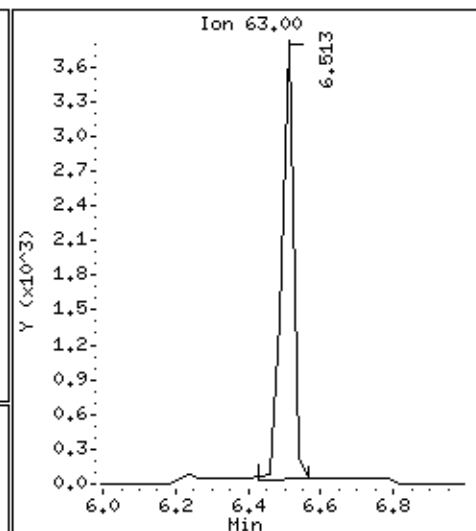
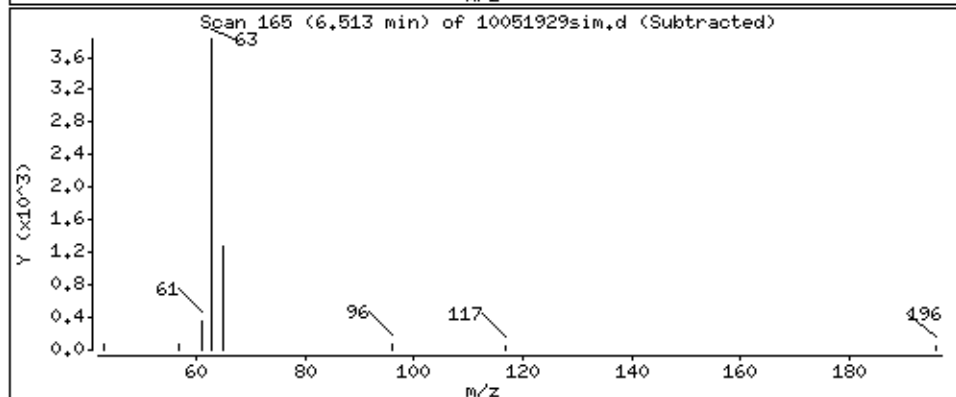
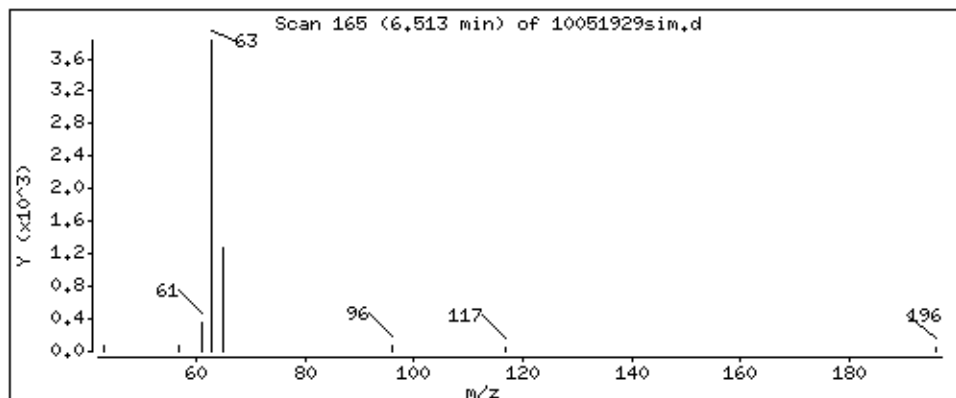
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

11 1,1-Dichloroethane-SPCC

Concentration: 0.317359 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

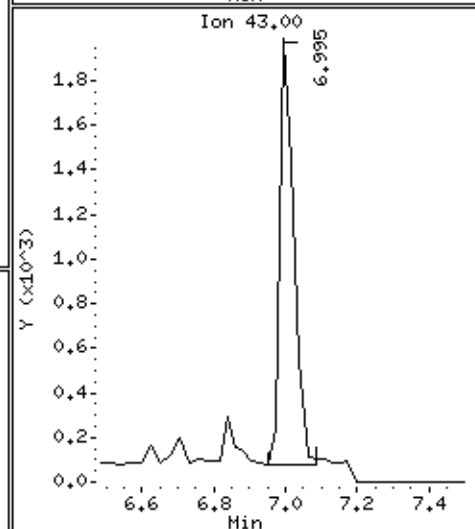
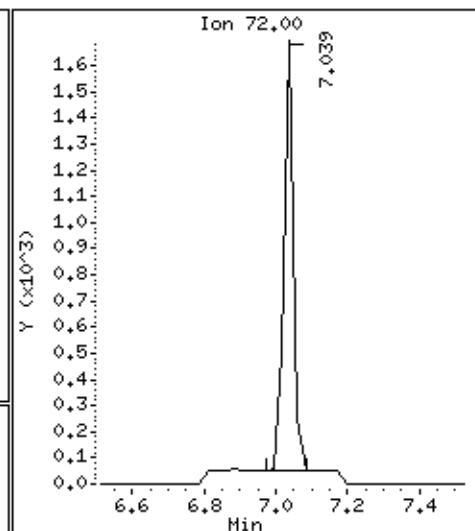
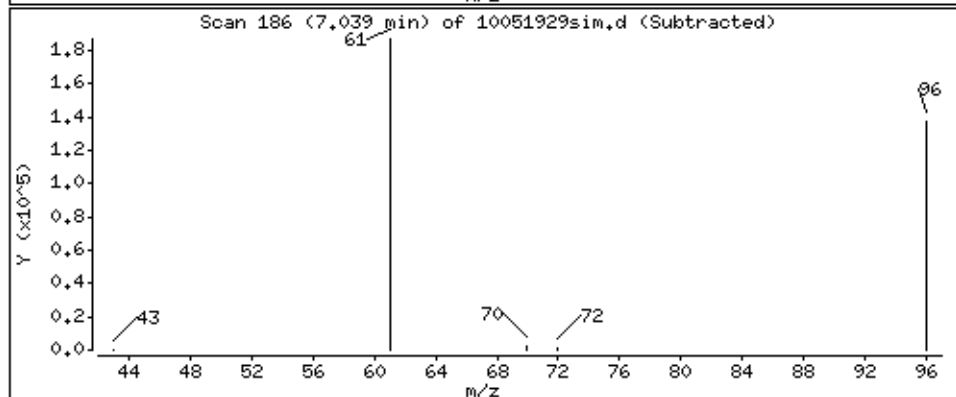
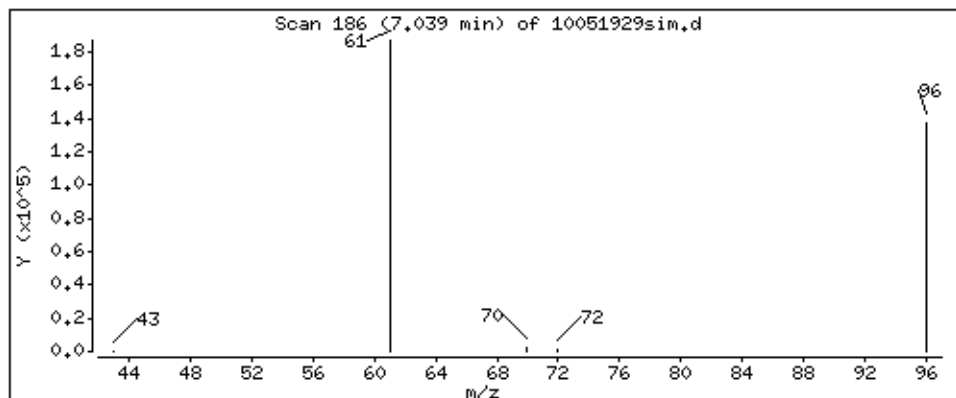
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

13 2-Butanone

Concentration: 0.262726 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

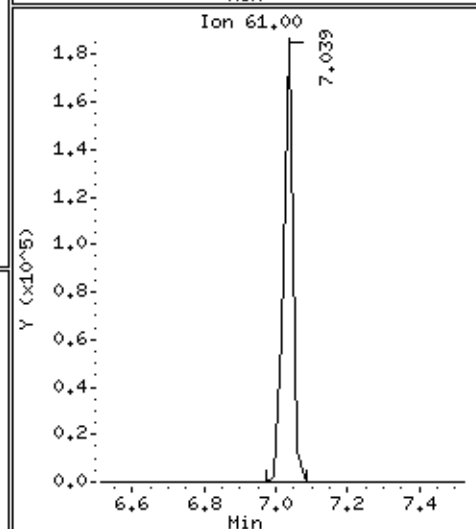
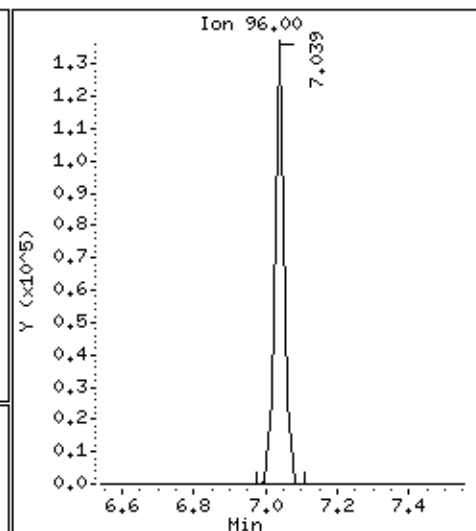
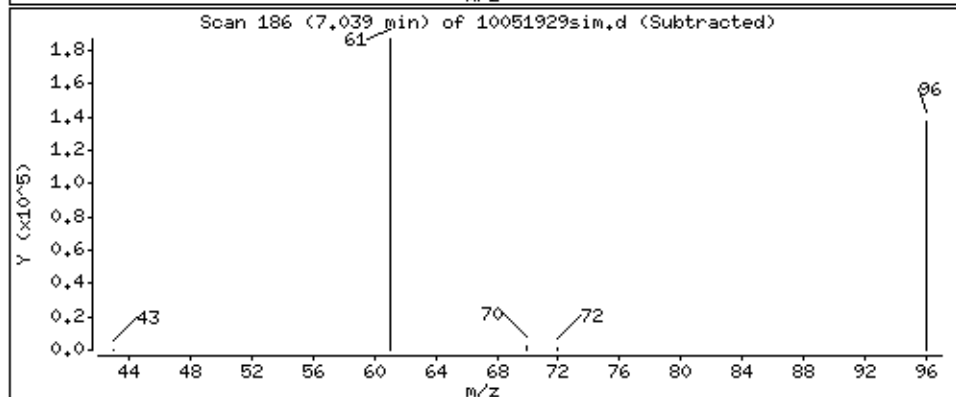
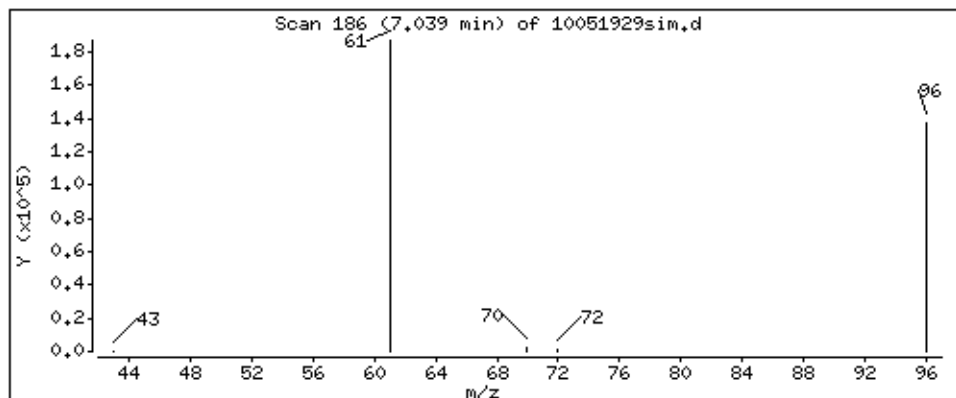
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

14 cis-1,2-Dichloroethene

Concentration: 14,8445 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

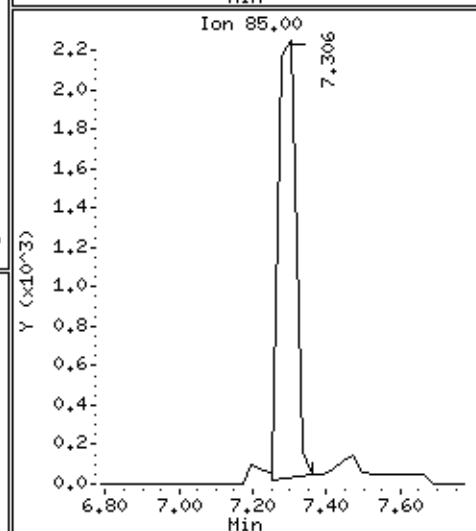
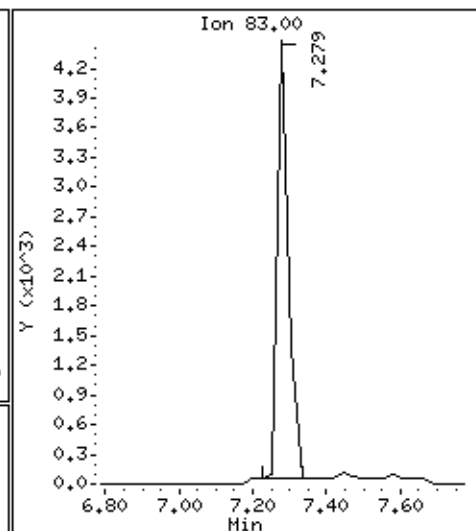
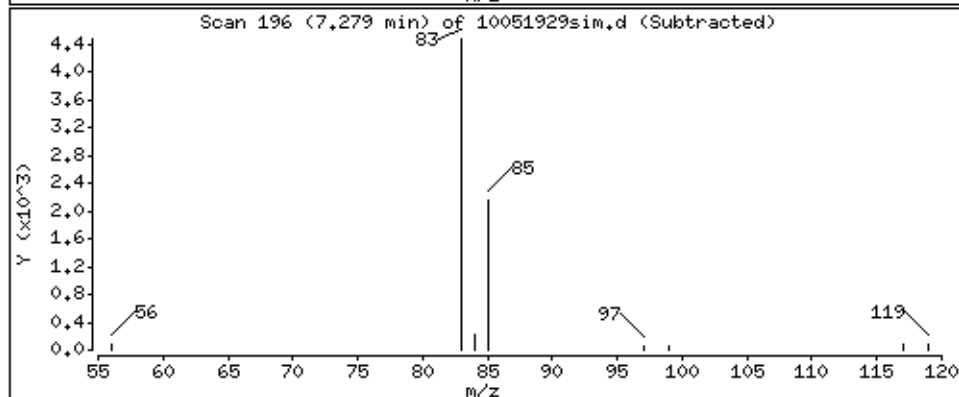
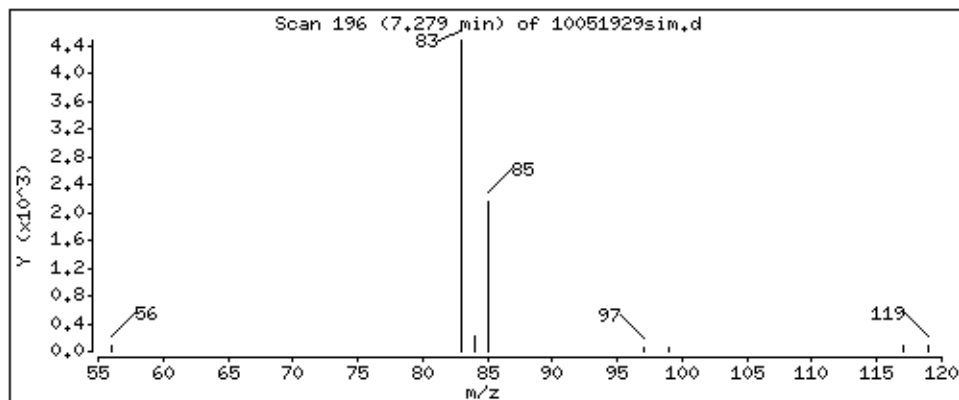
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 0.323414 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

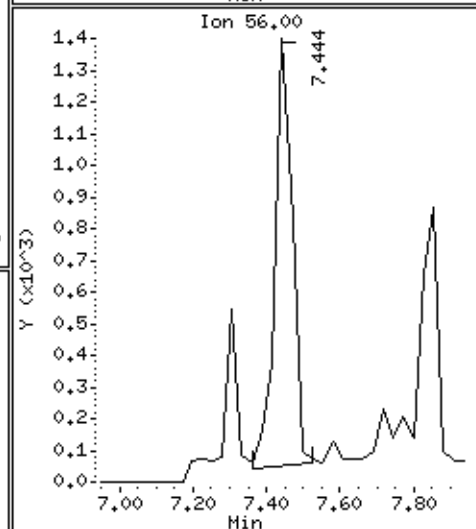
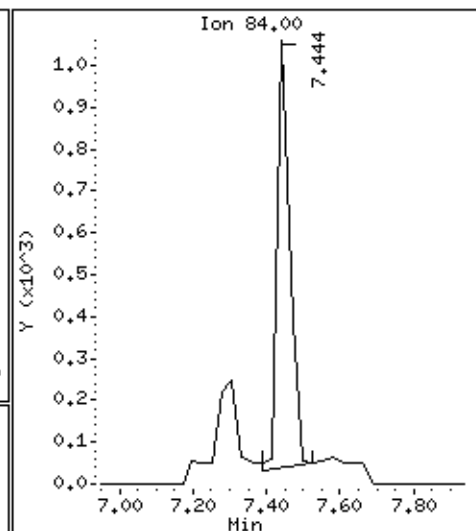
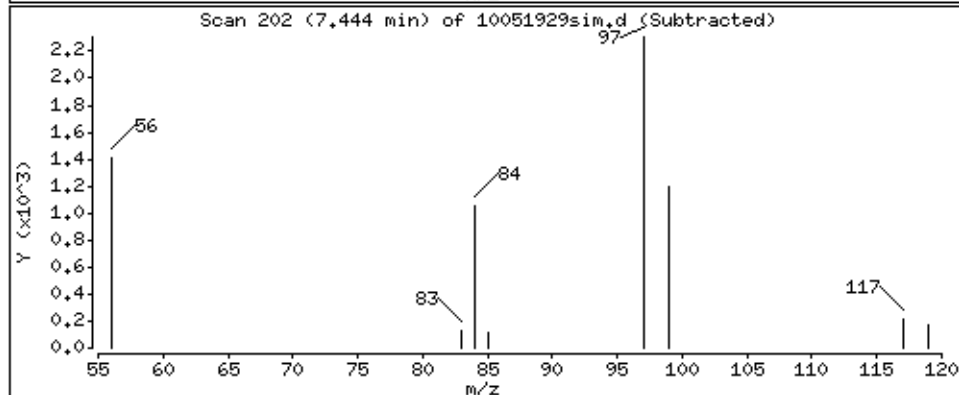
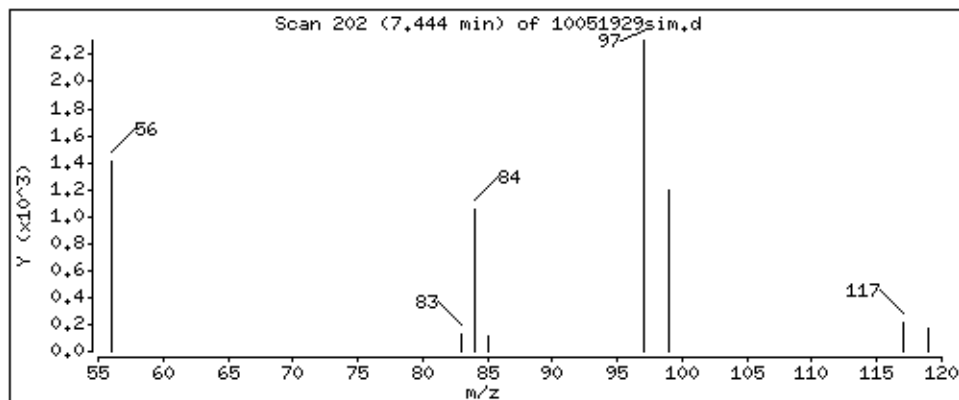
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 0.0664899 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

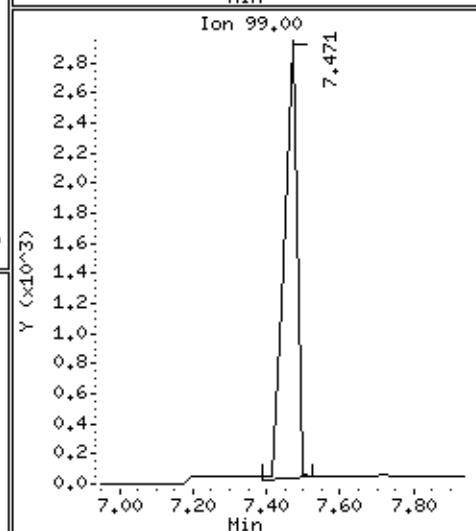
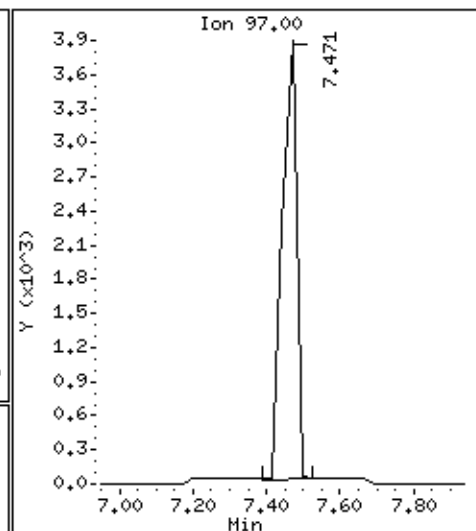
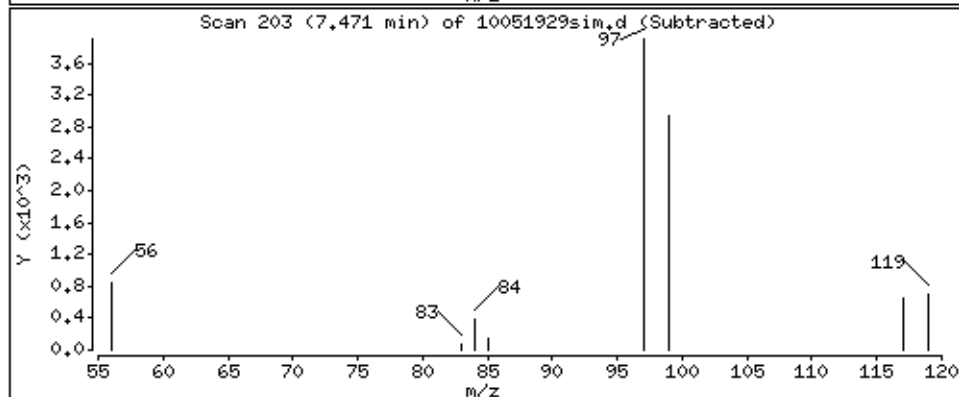
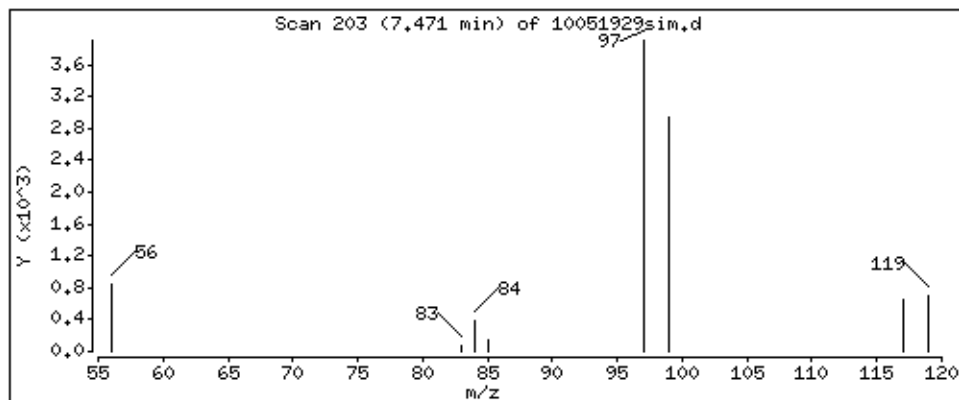
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 0.344771 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

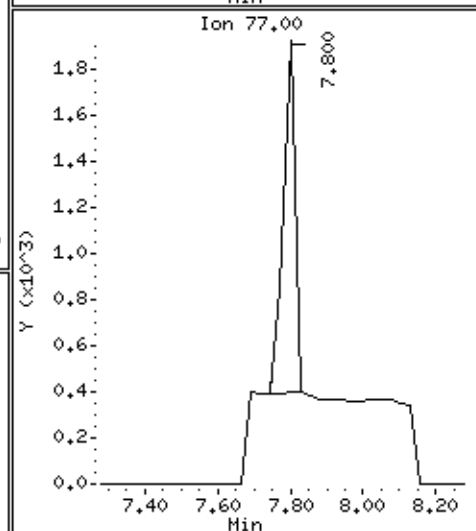
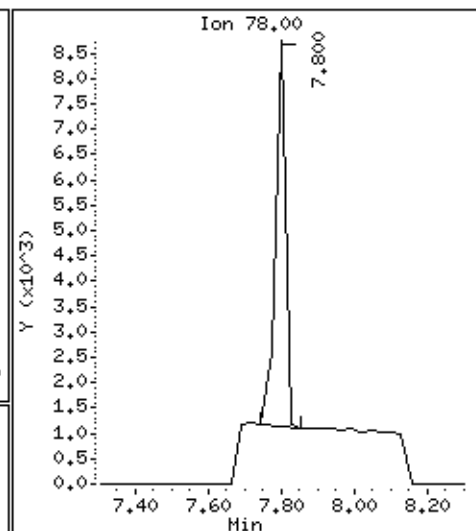
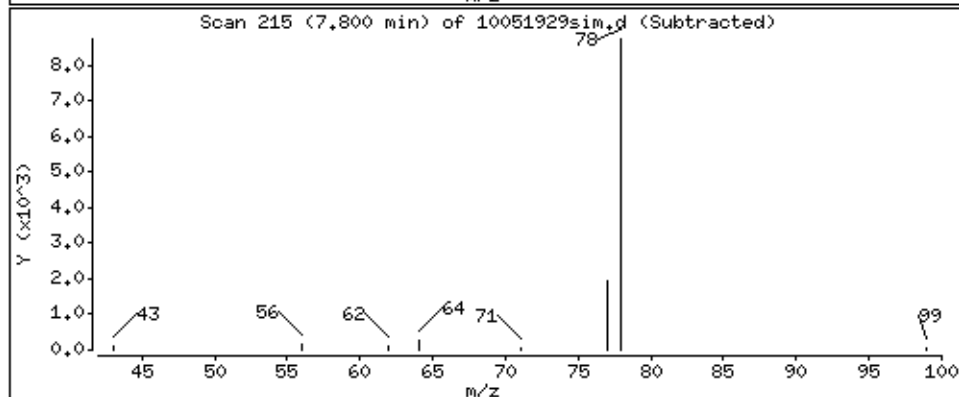
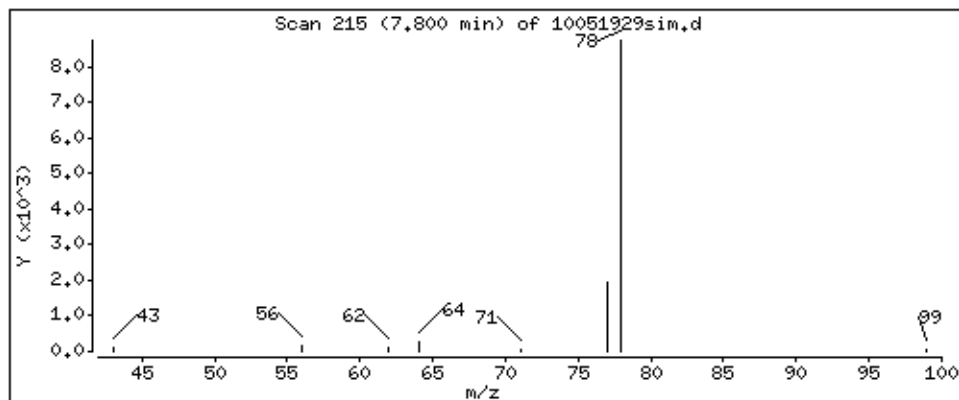
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

19 Benzene

Concentration: 0.181376 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

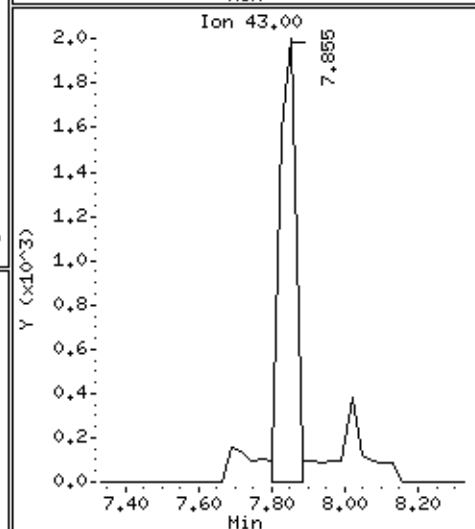
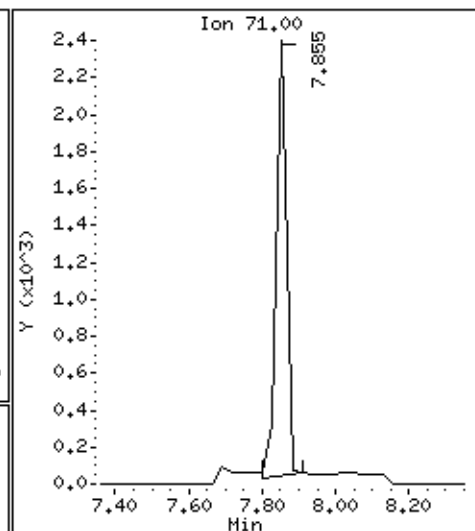
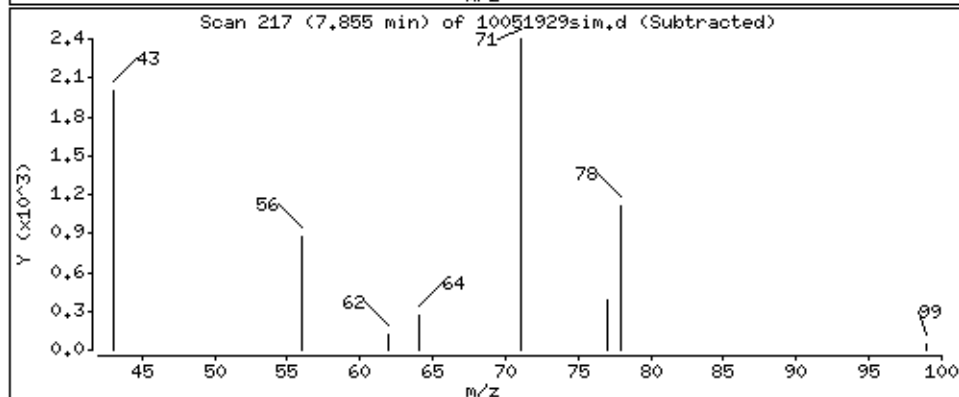
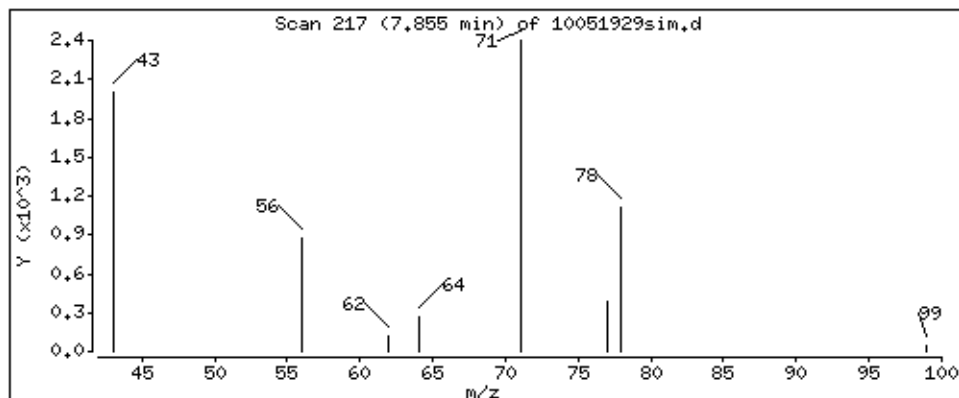
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

21 Heptane

Concentration: 0.202312 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

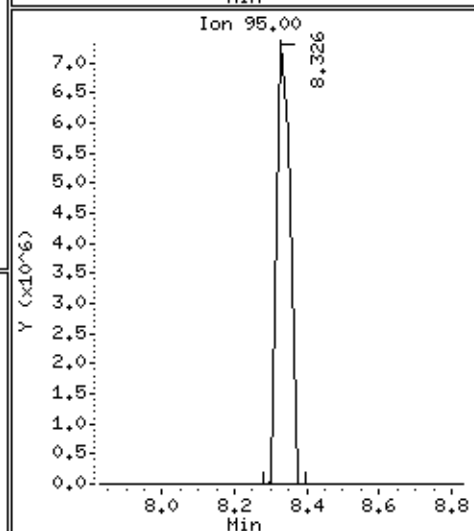
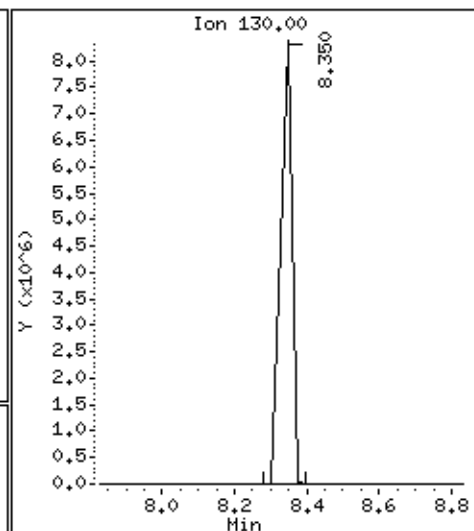
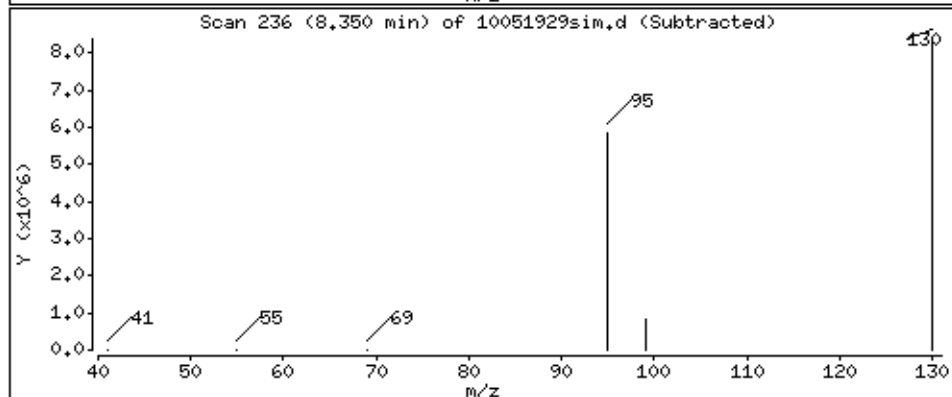
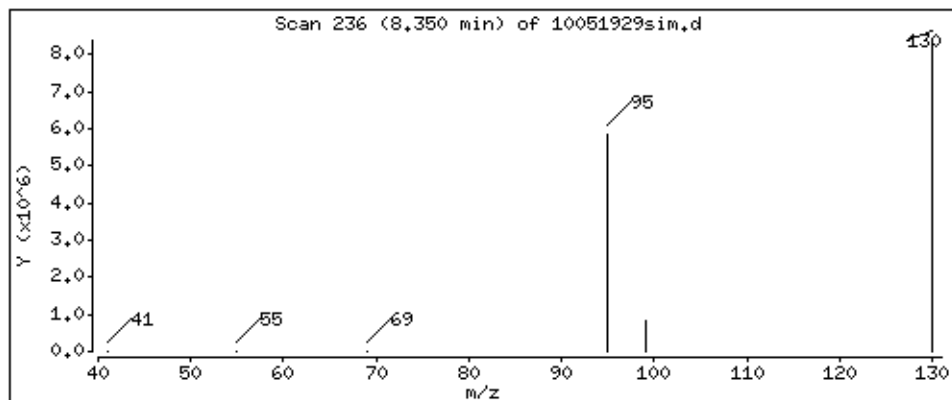
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 983.078 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

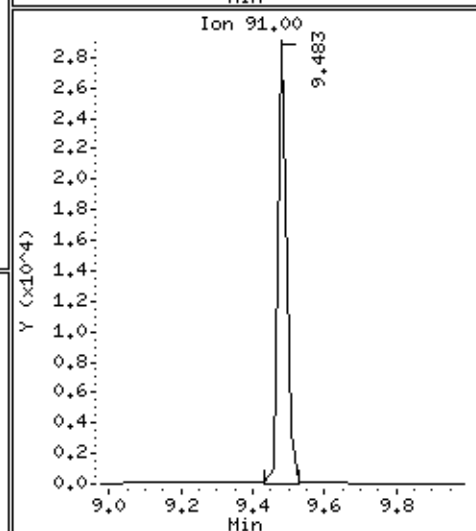
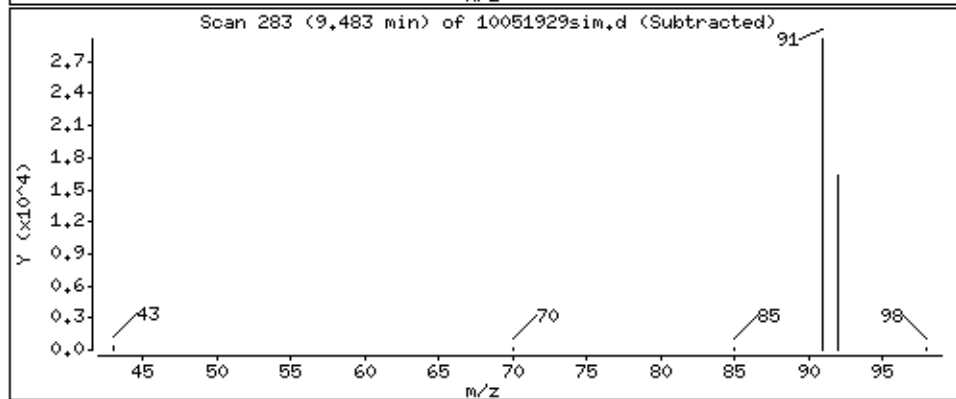
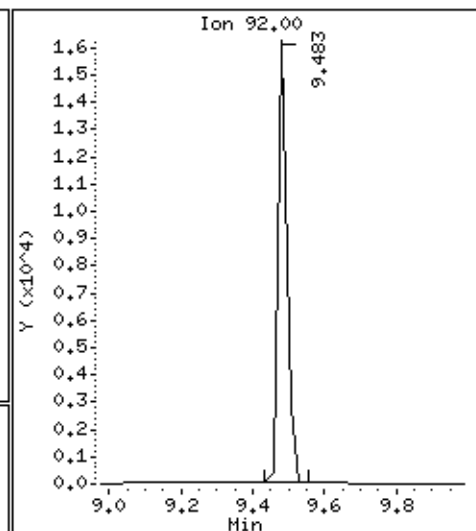
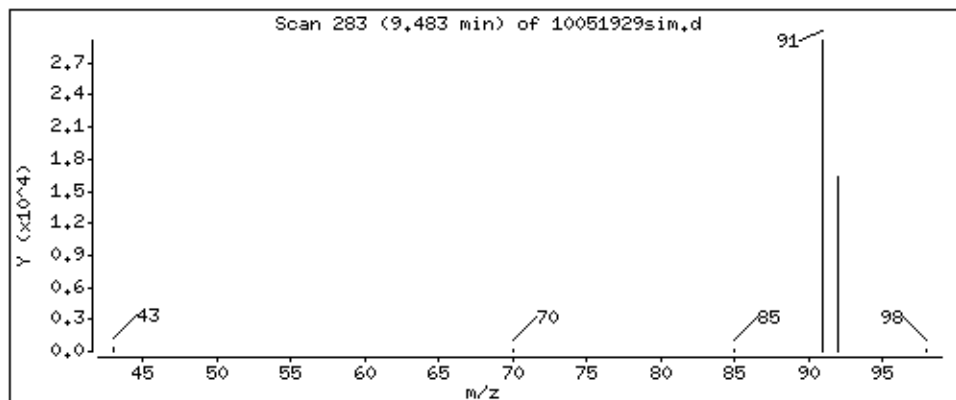
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 0.503127 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

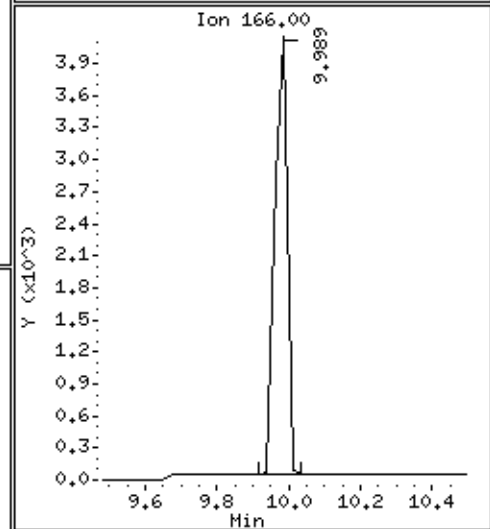
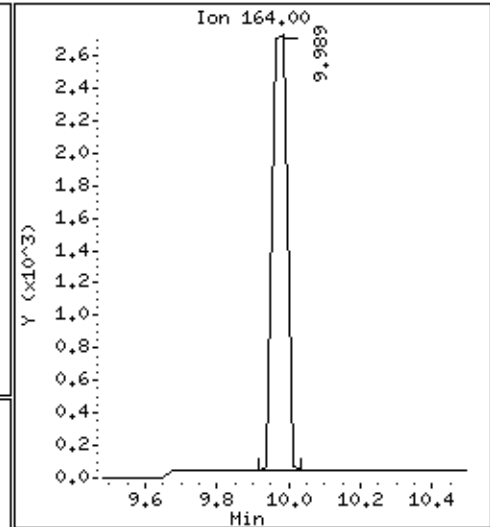
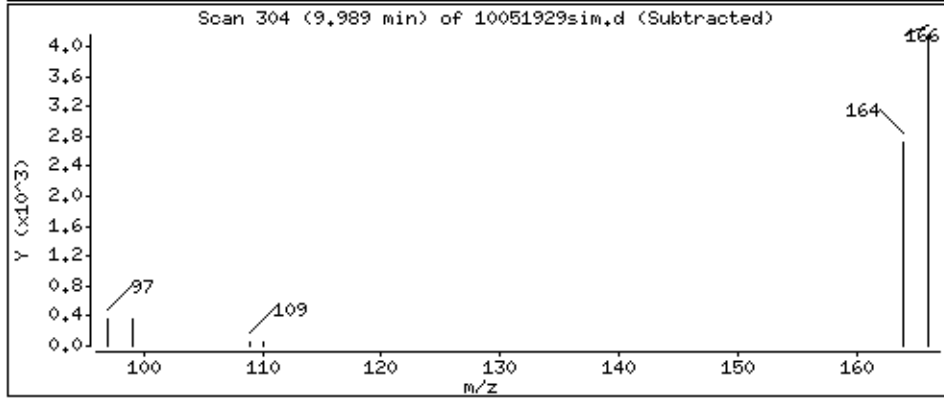
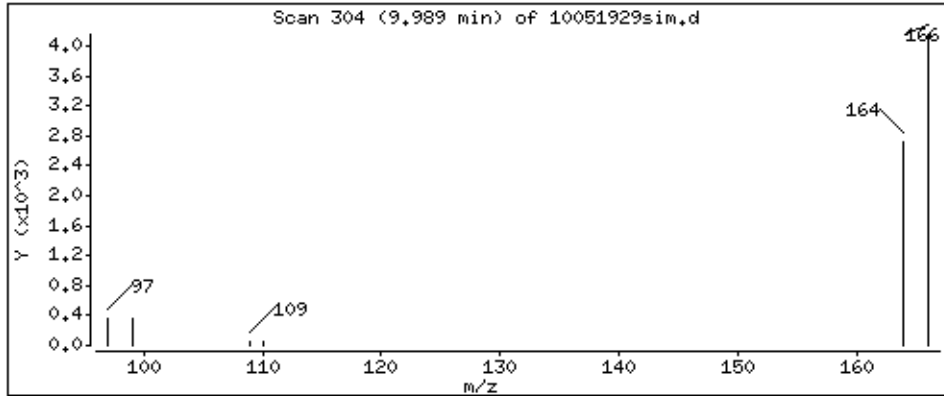
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

31 Tetrachloroethene

Concentration: 0.468818 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

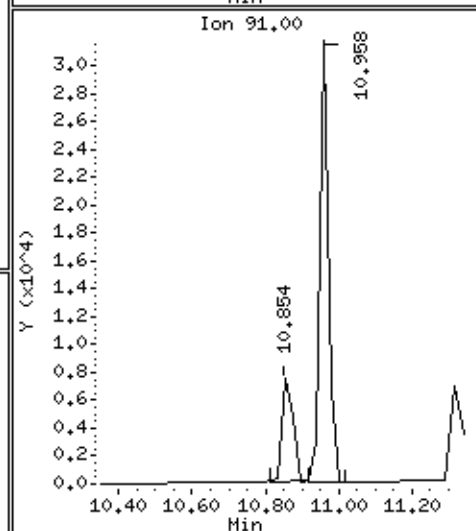
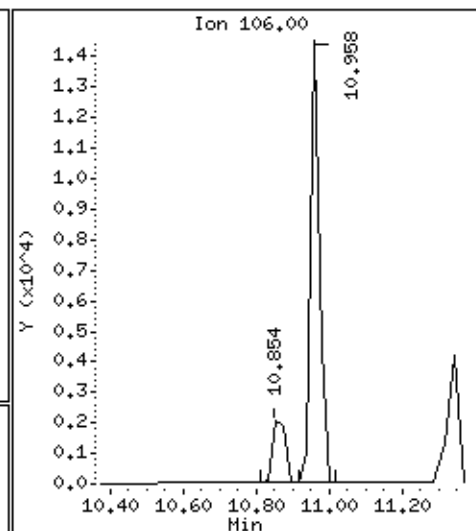
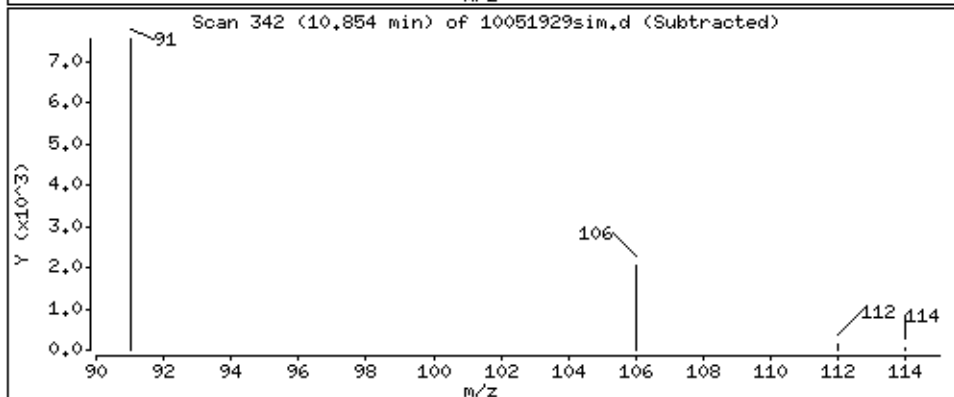
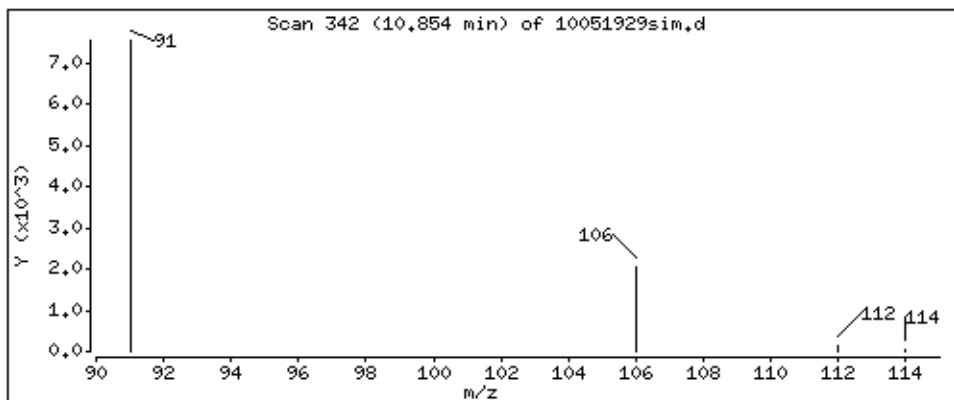
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 0.141344 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

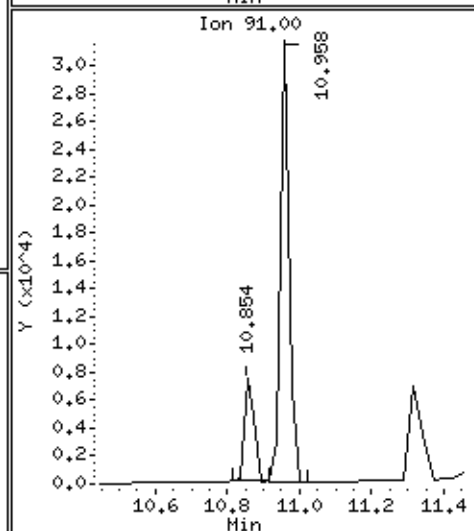
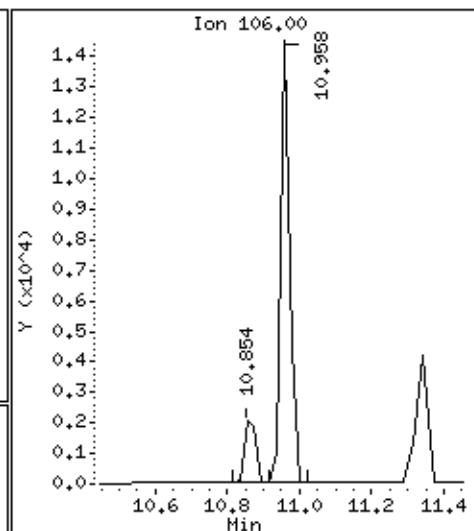
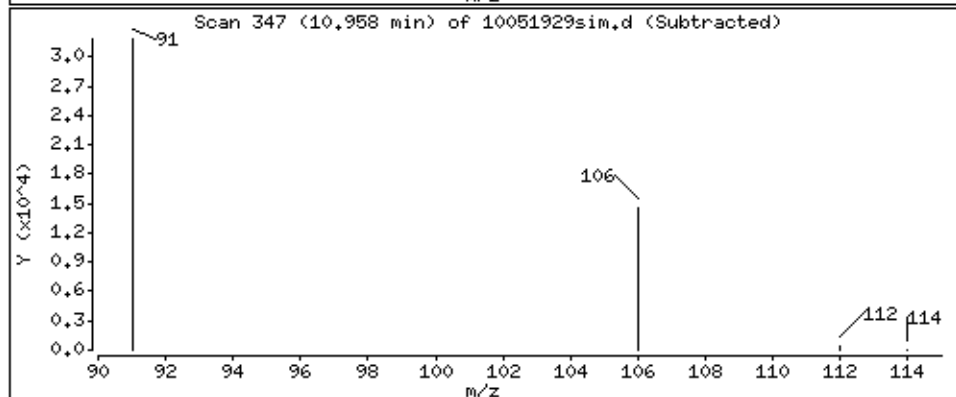
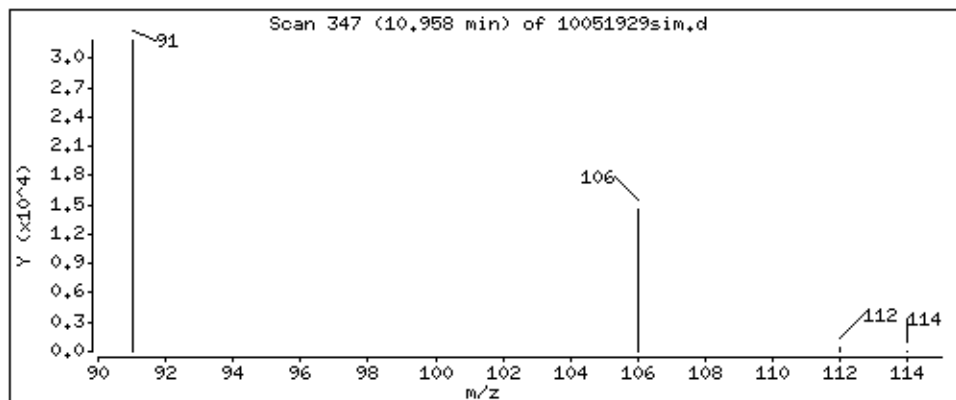
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 0.596139 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

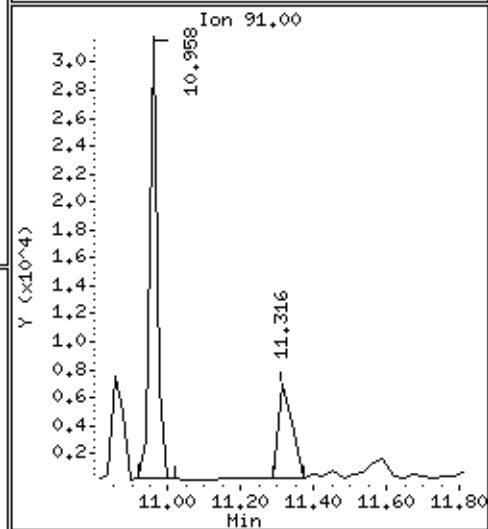
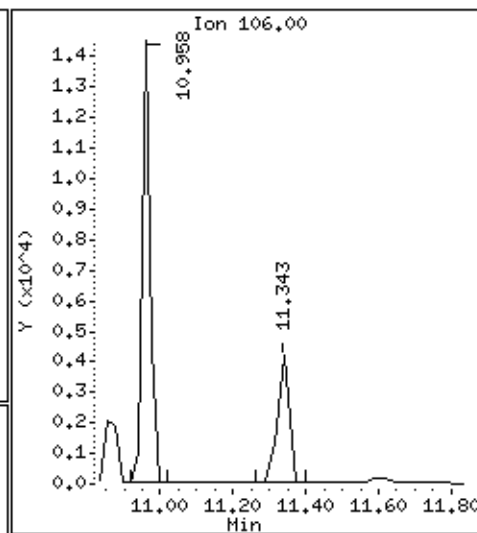
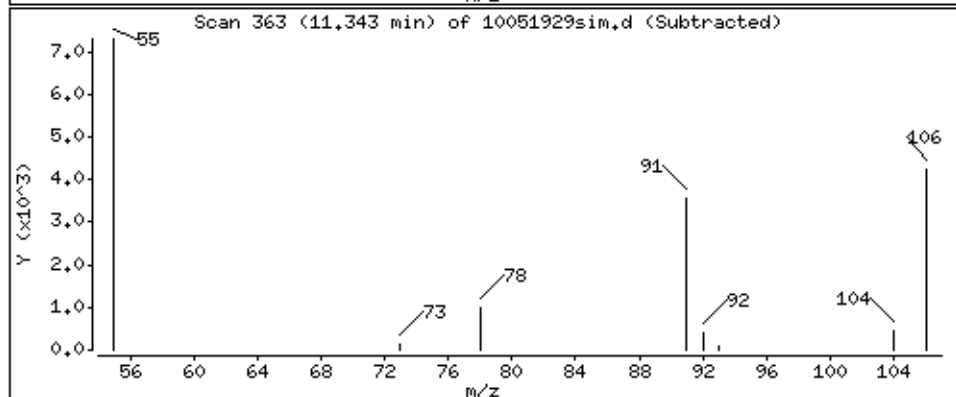
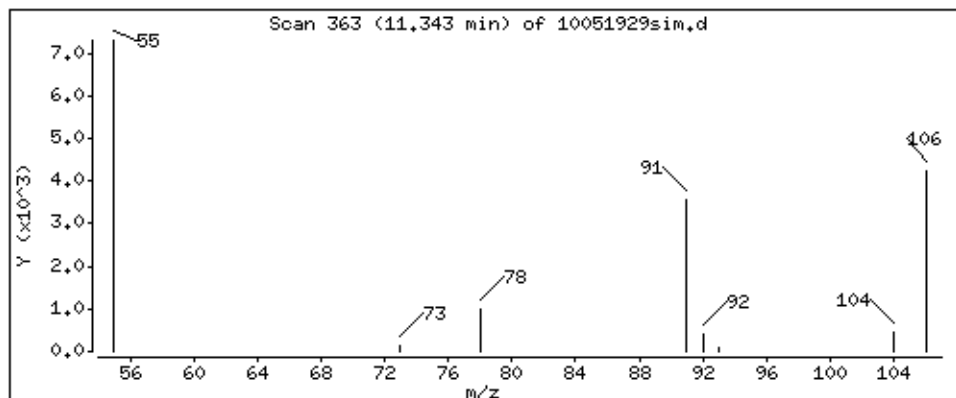
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 0.210803 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

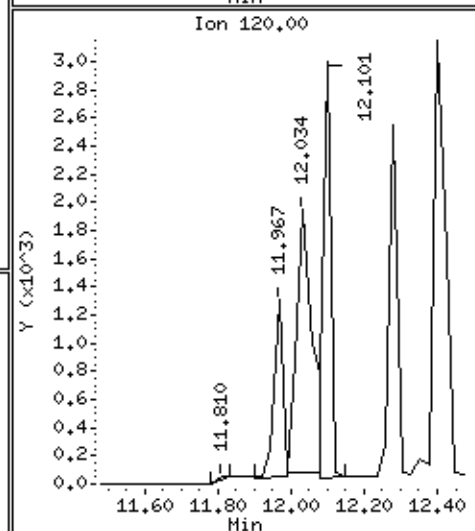
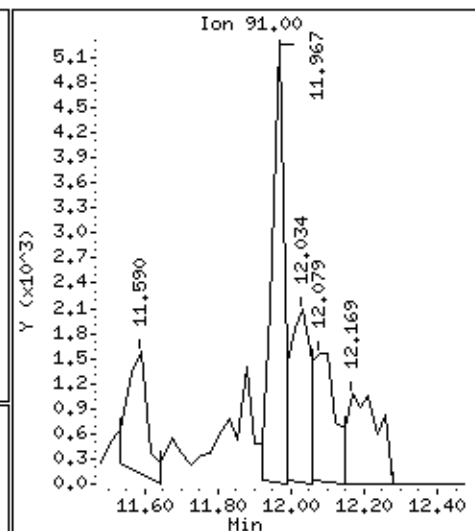
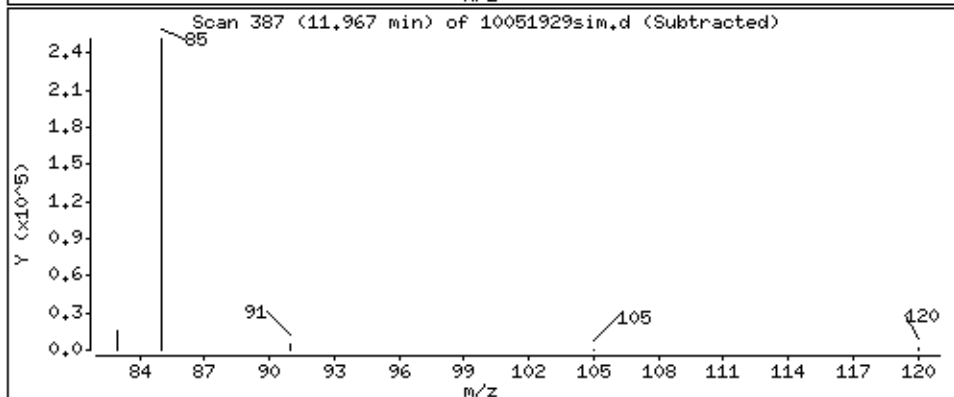
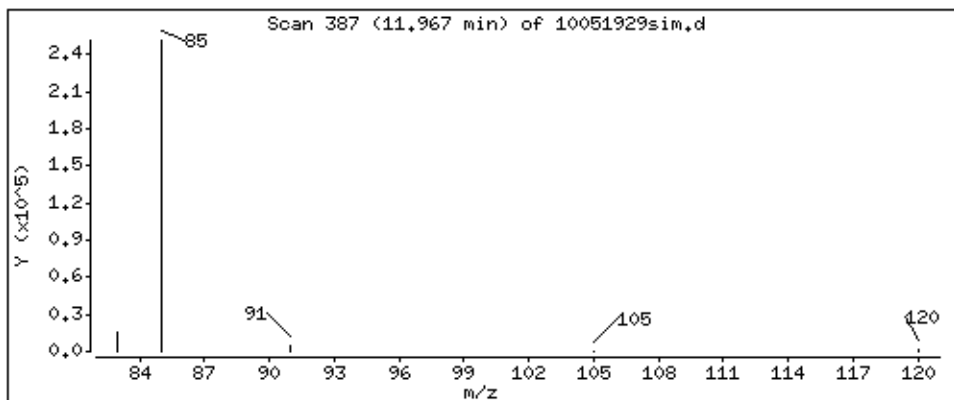
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

40 Propylbenzene

Concentration: 0.0958314 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

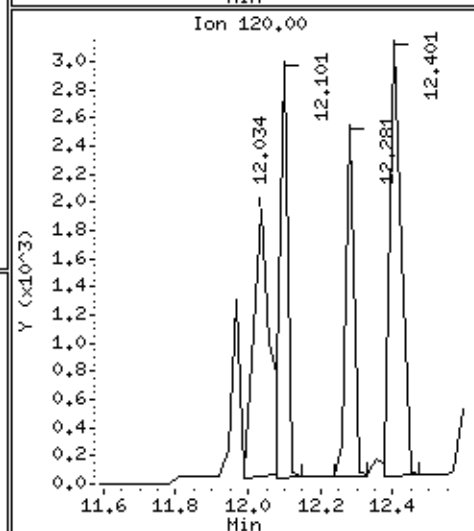
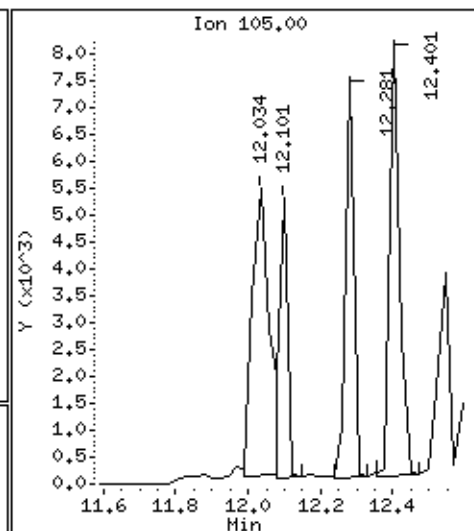
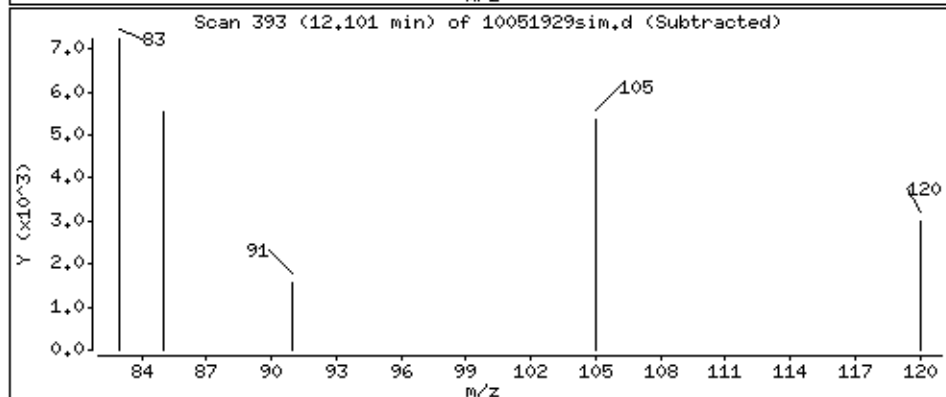
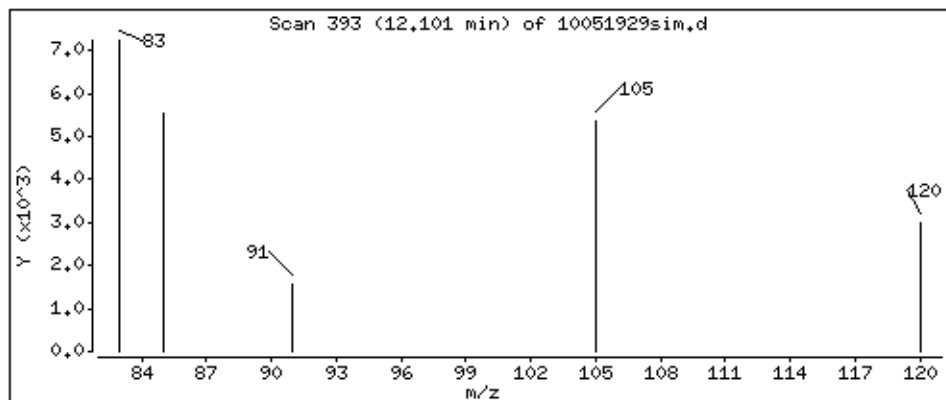
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 0.108560 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

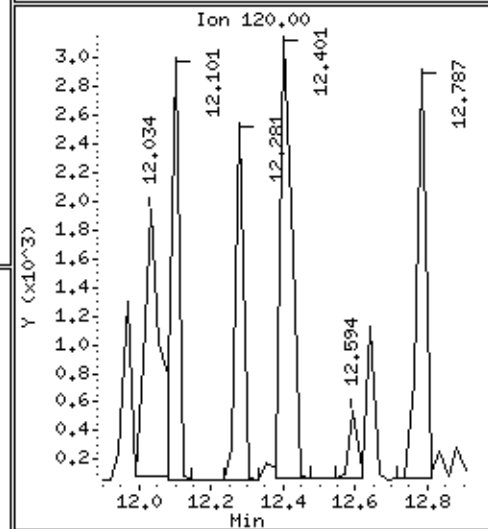
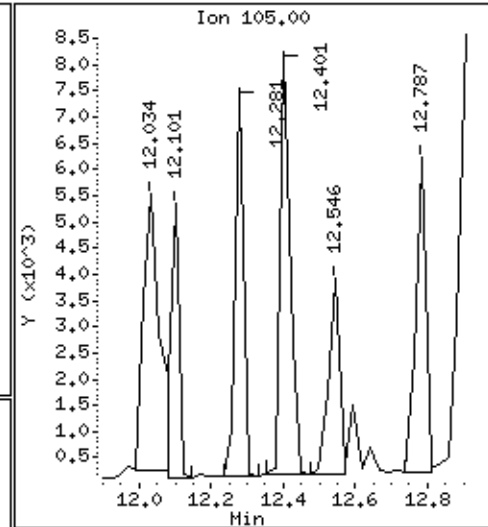
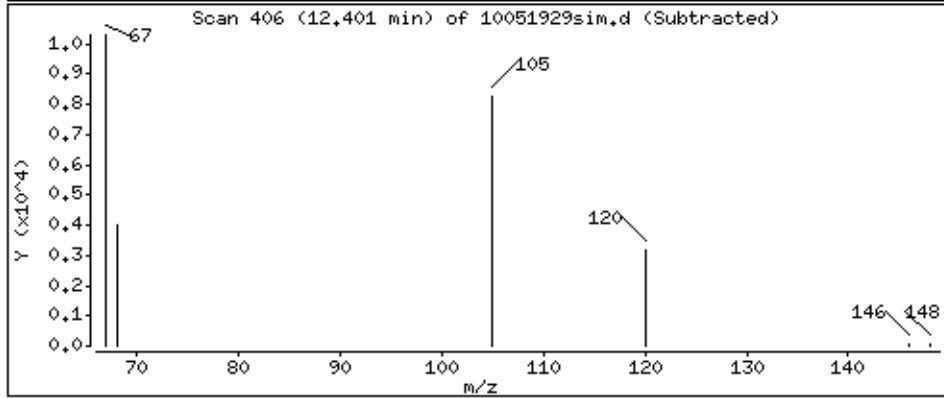
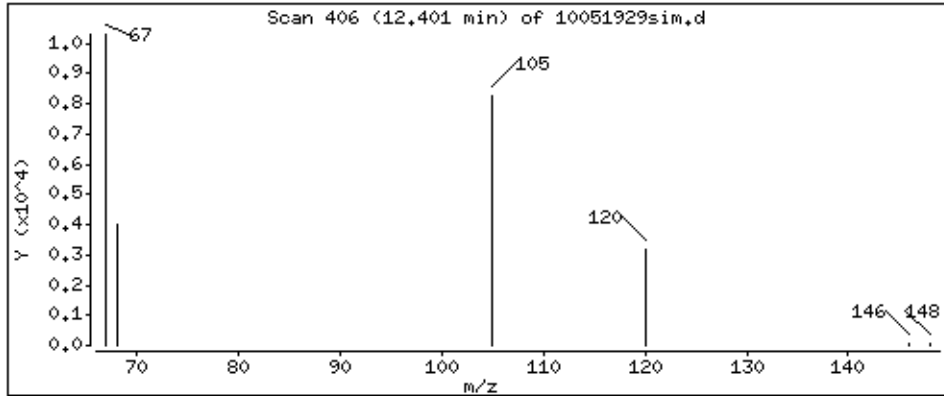
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 0.220121 ug



Date : 19-MAY-2011 21:08

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-07A;

Volume Injected (uL): 1.0

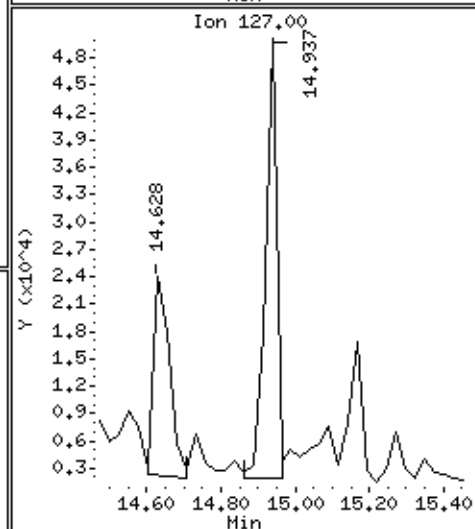
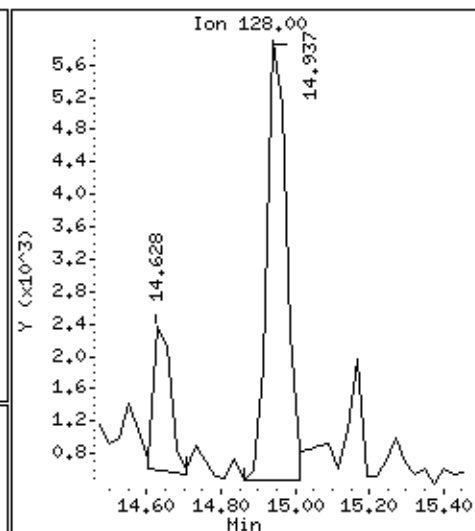
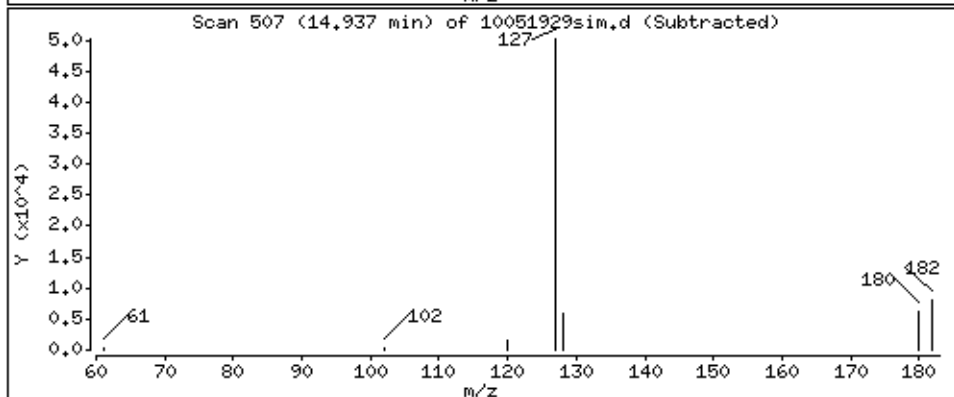
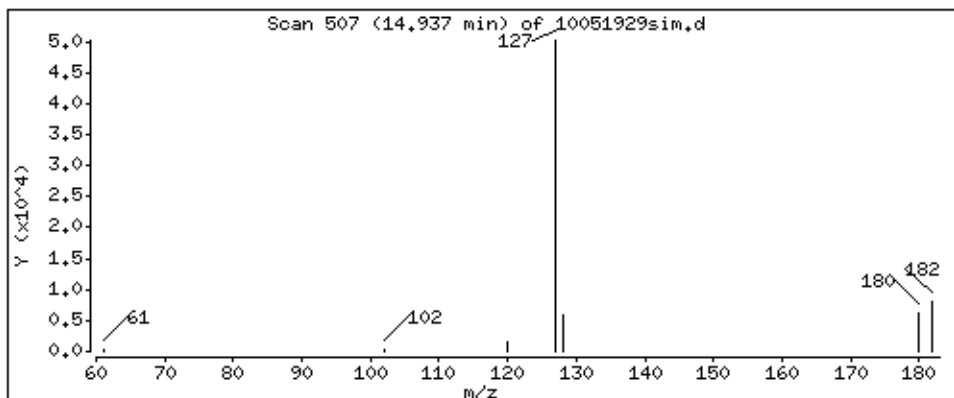
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

49 Naphthalene

Concentration: 0.211653 ug



Data File: /chem/msd10.i/20May2011.b/10052011sim.d

Date : 20-May-2011 13:52

Client ID: 5x

Sample Info: J1105311a-070:5x

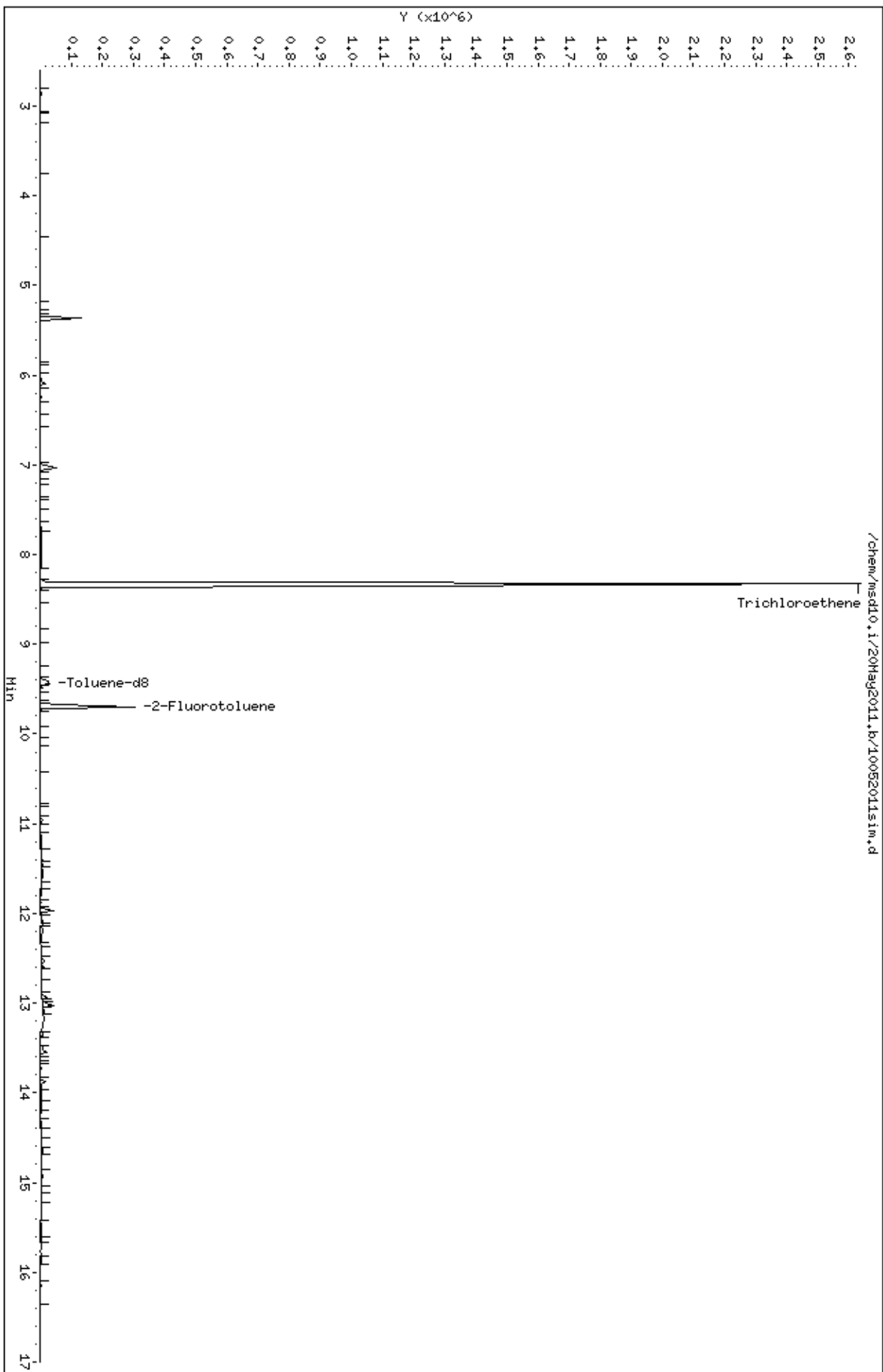
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: gm

Column diameter: 0.25



Date : 20-MAY-2011 13:52

Client ID: 5x

Instrument: msd10.i

Sample Info: ;1105311A-07A;5x

Volume Injected (uL): 1.0

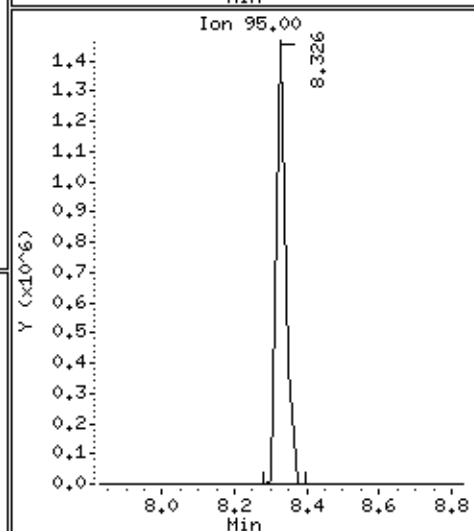
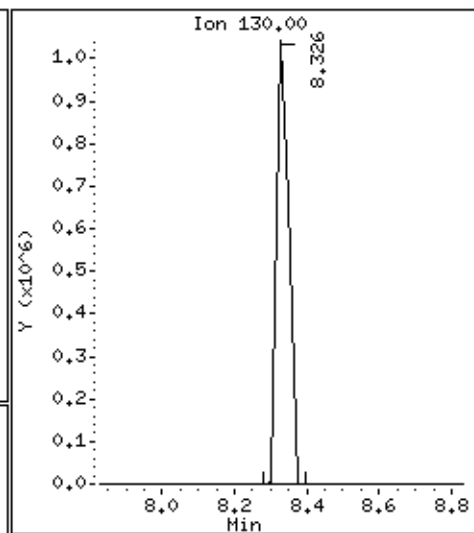
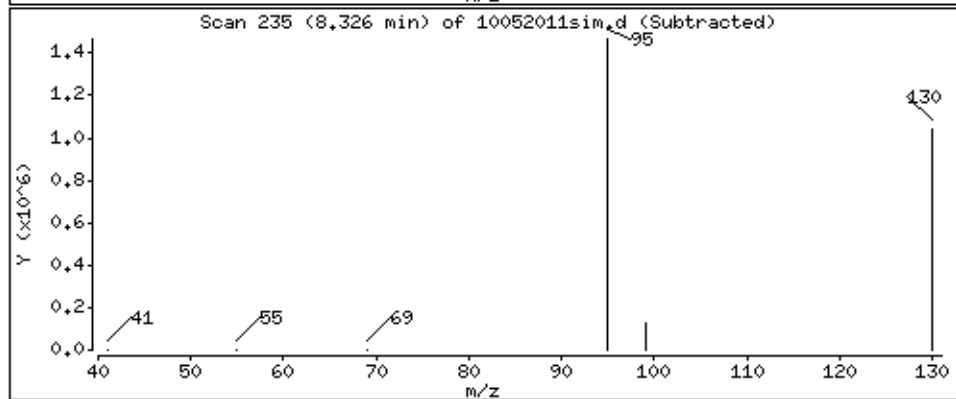
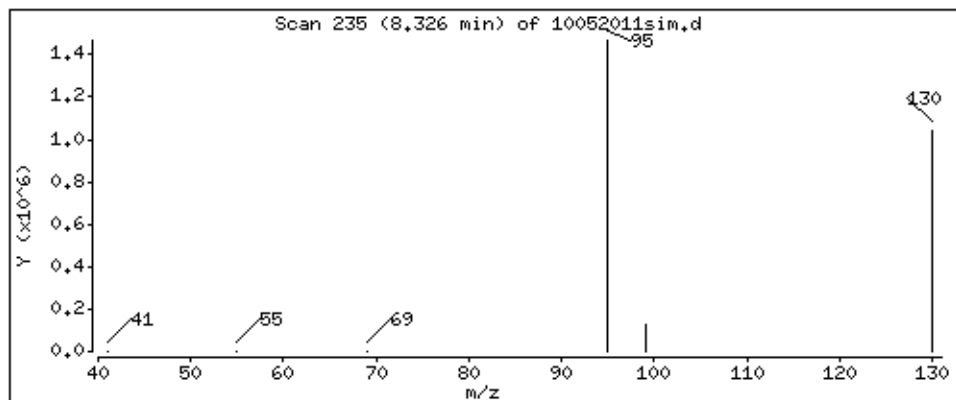
Operator: gm

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 725.395 ug



Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: HPV-084-1

Lab ID#: 1105031A-08A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
cis-1,2-Dichloroethene	320	80	570	140
Trichloroethene	180	34	15000	2700

Client Sample ID: HPV-084-1

Lab ID#: 1105031A-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051930sim	Date of Collection: 4/29/11 12:39:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 09:30 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	5200	2500	Not Detected	Not Detected
Vinyl Chloride	5000	2000	Not Detected	Not Detected
1,1-Dichloroethene	2900	740	Not Detected	Not Detected
Acetone	3600	1500	Not Detected	Not Detected
Methyl tert-butyl ether	490	140	Not Detected	Not Detected
trans-1,2-Dichloroethene	910	230	Not Detected	Not Detected
Hexane	1800	520	Not Detected	Not Detected
1,1-Dichloroethane	510	120	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	480	160	Not Detected	Not Detected
cis-1,2-Dichloroethene	320	80	570	140
Chloroform	310	63	Not Detected	Not Detected
Cyclohexane	290	85	Not Detected	Not Detected
1,1,1-Trichloroethane	470	87	Not Detected	Not Detected
Carbon Tetrachloride	400	64	Not Detected	Not Detected
Benzene	560	180	Not Detected	Not Detected
1,2-Dichloroethane	230	58	Not Detected	Not Detected
Heptane	260	64	Not Detected	Not Detected
Trichloroethene	180	34	15000	2700
4-Methyl-2-pentanone	390	94	Not Detected	Not Detected
Toluene	140	38	Not Detected	Not Detected
1,1,2-Trichloroethane	180	33	Not Detected	Not Detected
Tetrachloroethene	110	16	Not Detected	Not Detected
Chlorobenzene	110	24	Not Detected	Not Detected
Ethyl Benzene	91	21	Not Detected	Not Detected
m,p-Xylene	96	22	Not Detected	Not Detected
o-Xylene	85	20	Not Detected	Not Detected
Styrene	84	20	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	85	12	Not Detected	Not Detected
Propylbenzene	63	13	Not Detected	Not Detected
1,3,5-Trimethylbenzene	55	11	Not Detected	Not Detected
1,2,4-Trimethylbenzene	48	9.8	Not Detected	Not Detected
1,3-Dichlorobenzene	47	7.8	Not Detected	Not Detected
1,4-Dichlorobenzene	46	7.6	Not Detected	Not Detected
1,2-Dichlorobenzene	41	6.8	Not Detected	Not Detected
Naphthalene	23	4.5	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: HPV-084-1

Lab ID#: 1105031A-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051930sim	Date of Collection: 4/29/11 12:39:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 09:30 PM
		Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011a.b/10051930sim.d

Lab Smp Id: 1105031A-08A

Inj Date : 19-MAY-2011 21:30

Operator : LZ

Inst ID: msd10.i

Smp Info : ;1105031A-08A;

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Meth Date : 19-May-2011 16:18 l Zhang

Quant Type: ISTD

Cal Date : 17-MAY-2011 15:03

Cal File: 10051710sim.d

Als bottle: 15

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: fullnosp.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ug/mL)	(ug)
1 Chloromethane	50	Compound Not Detected.					
2 Vinyl Chloride	62	Compound Not Detected.					
3 Ethanol	45	Compound Not Detected.					
4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
5 Acetone	58	Compound Not Detected.					
7 MTBE	73	Compound Not Detected.					
8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
9 Hexane	57	Compound Not Detected.					
11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
13 2-Butanone	72	Compound Not Detected.					
14 cis-1,2-Dichloroethene	96	7.017	7.040	(0.723)	1303	0.09043	0.0904312
15 Chloroform-CCC	83	Compound Not Detected.					
16 Cyclohexane	84	Compound Not Detected.					
17 1,1,1-Trichloroethane	97	Compound Not Detected.					
18 Carbon Tetrachloride	117	Compound Not Detected.					
19 Benzene	78	Compound Not Detected.					

						CONCENTRATIONS			
		QUANT		SIG		ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ug/mL)	(ug)
=====	====	==	=====	=====	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.							
21 Heptane	71	Compound Not Detected.							
22 Trichloroethene	130	8.350	8.326	(0.861)		64161	4.00875	4.00875	
25 4-Methyl-2-pentanone	85	Compound Not Detected.							
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)		305492	5.09032	5.09032	
28 Toluene-CCC	92	Compound Not Detected.							
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)		331104	5.00000		
30 1,1,2-Trichloroethane	97	Compound Not Detected.							
31 Tetrachloroethene	164	Compound Not Detected.							
32 Chlorobenzene	112	Compound Not Detected.							
33 Ethylbenzene-CCC	106	Compound Not Detected.							
34 m,p-Xylene	106	Compound Not Detected.							
36 o-Xylene	106	Compound Not Detected.							
37 Styrene	104	Compound Not Detected.							
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.							
40 Propylbenzene	91	Compound Not Detected.							
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
44 1,3-Dichlorobenzene	146	Compound Not Detected.							
45 1,4-Dichlorobenzene	146	Compound Not Detected.							
46 1,2-Dichlorobenzene	146	Compound Not Detected.							
49 Naphthalene	128	Compound Not Detected.							

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051930sim.d

Calibration Time: 16:00

Lab Smp Id: 1105031A-08A

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	393119	196560	786238	331104	-15.78

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: 1105031A-08A
Level: MED
Data Type: MS DATA
SpikeList File: LCS-CMR130.spk
Sublist File: fullnosp.sub
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Client SDG: 19May2011a
Fraction: SV

Operator: LZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.09032	101.81	70-130

Data File: /chem/msd10.i/19May2011a,b/10051930sim.d

Date : 19-May-2011 21:30

Client ID:

Sample Info: J1105031A-08A;

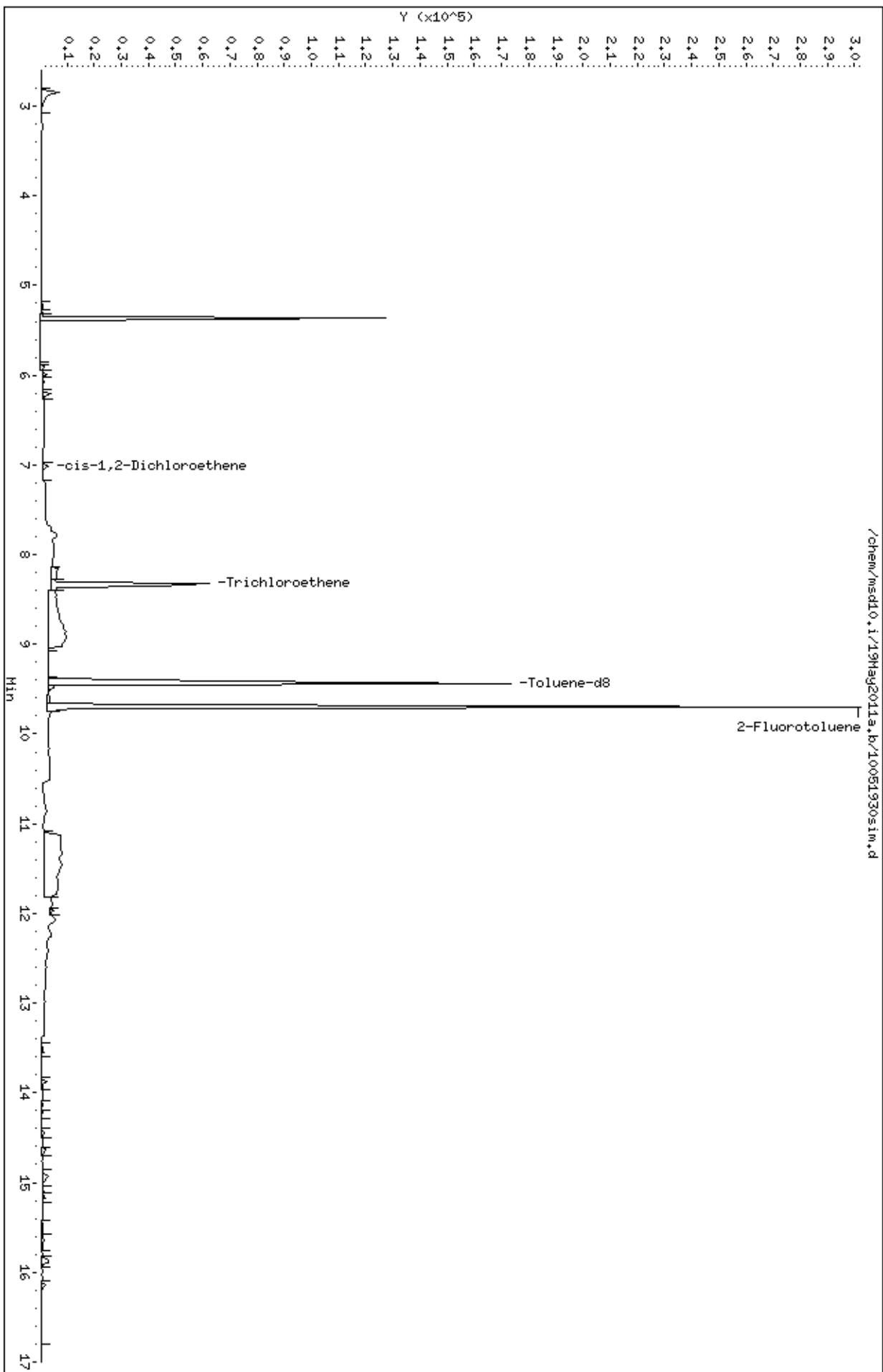
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 21:30

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-08A;

Volume Injected (uL): 1.0

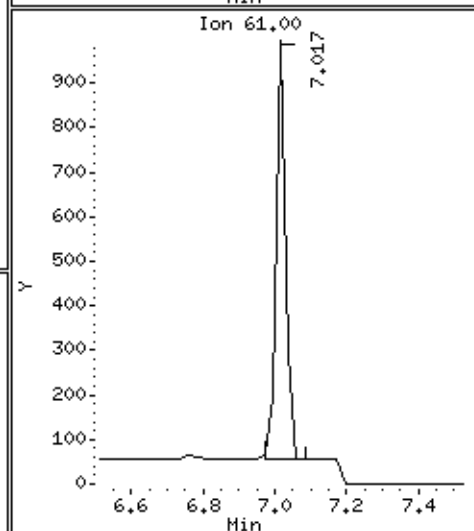
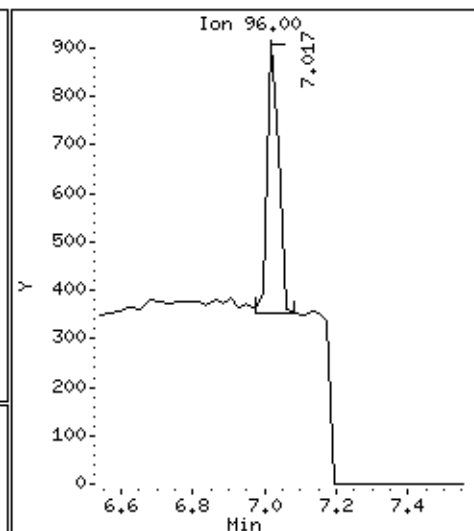
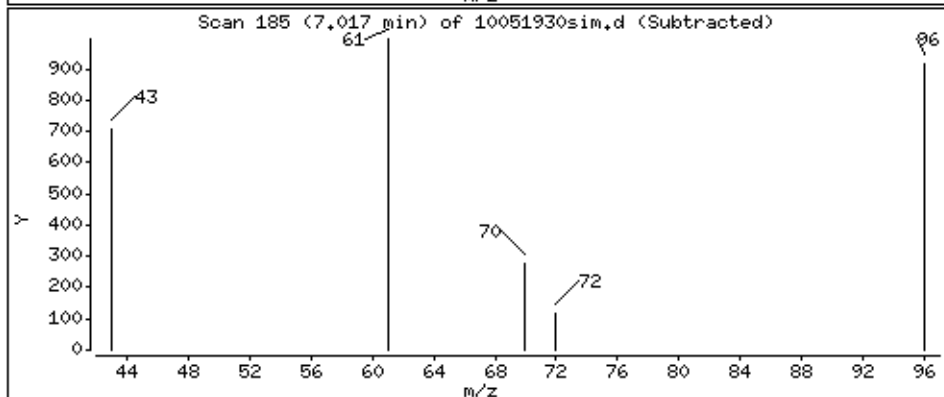
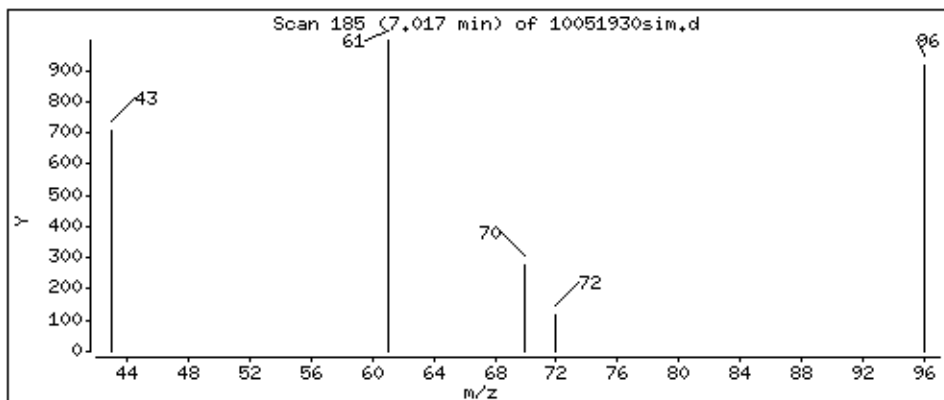
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

14 cis-1,2-Dichloroethene

Concentration: 0.0904312 ug



Date : 19-MAY-2011 21:30

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-08A;

Volume Injected (uL): 1.0

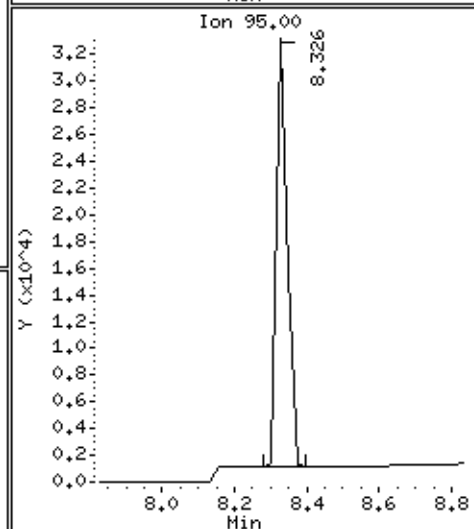
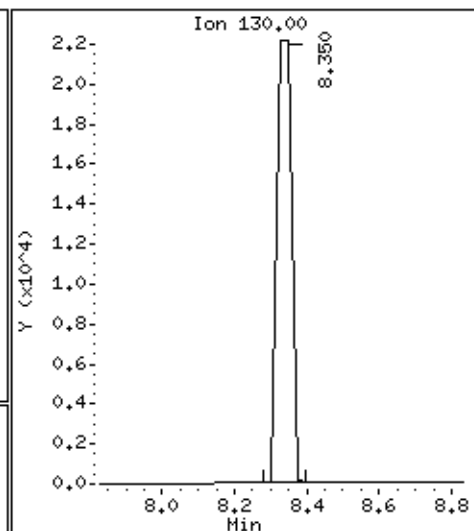
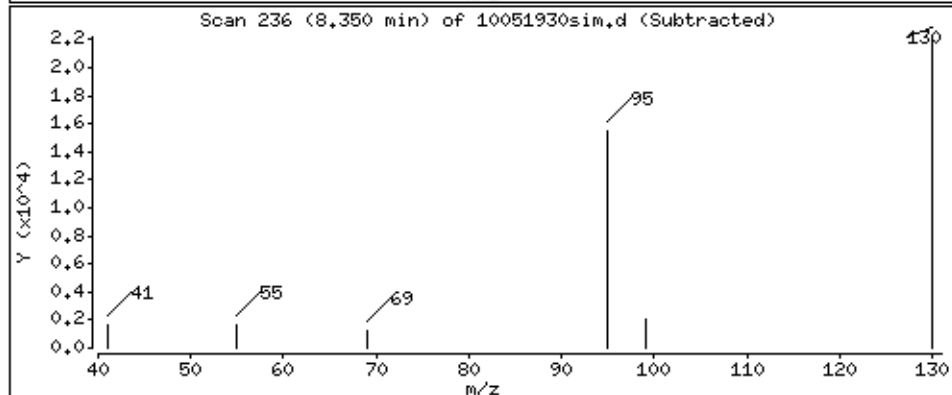
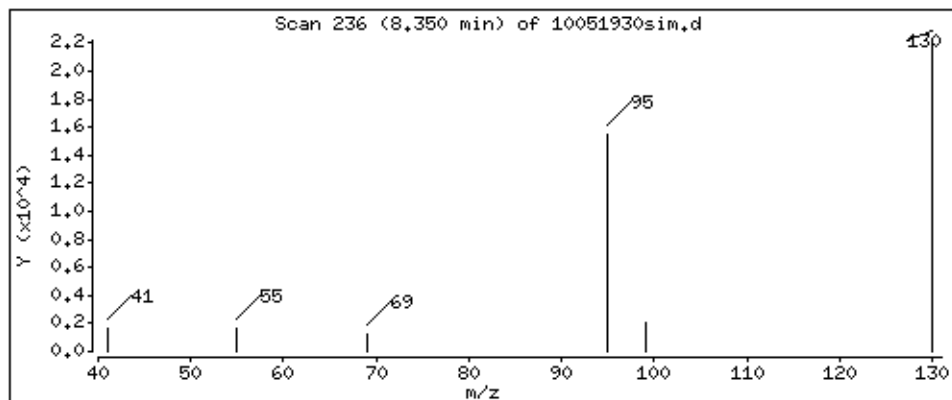
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 4.00875 ug



Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSS-SL022

Lab ID#: 1105031A-10A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Hexane	7.2	2.0	13	3.7
Chloroform	1.2	0.25	1.6	0.34
Cyclohexane	1.2	0.34	1.2	0.34
1,1,1-Trichloroethane	1.9	0.34	21	3.8
Heptane	1.0	0.25	4.8	1.2
Trichloroethene	0.72	0.13	270	50
Toluene	0.56	0.15	3.5	0.93
Ethyl Benzene	0.36	0.082	0.87	0.20
m,p-Xylene	0.38	0.087	3.9	0.89
o-Xylene	0.34	0.078	1.2	0.27
Propylbenzene	0.25	0.051	0.84	0.17
1,3,5-Trimethylbenzene	0.22	0.044	1.4	0.29
1,2,4-Trimethylbenzene	0.19	0.039	2.5	0.50

Client Sample ID: PSS-SL022

Lab ID#: 1105031A-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051931sim	Date of Collection: 4/29/11 1:07:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 09:53 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	21	10	Not Detected	Not Detected
Vinyl Chloride	20	7.7	Not Detected	Not Detected
1,1-Dichloroethene	12	2.9	Not Detected	Not Detected
Acetone	14	6.1	Not Detected	Not Detected
Methyl tert-butyl ether	1.9	0.54	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.6	0.91	Not Detected	Not Detected
Hexane	7.2	2.0	13	3.7
1,1-Dichloroethane	2.0	0.49	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.9	0.64	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.2	0.31	Not Detected	Not Detected
Chloroform	1.2	0.25	1.6	0.34
Cyclohexane	1.2	0.34	1.2	0.34
1,1,1-Trichloroethane	1.9	0.34	21	3.8
Carbon Tetrachloride	1.6	0.25	Not Detected	Not Detected
Benzene	2.2	0.69	Not Detected	Not Detected
1,2-Dichloroethane	0.92	0.23	Not Detected	Not Detected
Heptane	1.0	0.25	4.8	1.2
Trichloroethene	0.72	0.13	270	50
4-Methyl-2-pentanone	1.5	0.37	Not Detected	Not Detected
Toluene	0.56	0.15	3.5	0.93
1,1,2-Trichloroethane	0.72	0.13	Not Detected	Not Detected
Tetrachloroethene	0.44	0.066	Not Detected	Not Detected
Chlorobenzene	0.45	0.097	Not Detected	Not Detected
Ethyl Benzene	0.36	0.082	0.87	0.20
m,p-Xylene	0.38	0.087	3.9	0.89
o-Xylene	0.34	0.078	1.2	0.27
Styrene	0.33	0.078	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.34	0.049	Not Detected	Not Detected
Propylbenzene	0.25	0.051	0.84	0.17
1,3,5-Trimethylbenzene	0.22	0.044	1.4	0.29
1,2,4-Trimethylbenzene	0.19	0.039	2.5	0.50
1,3-Dichlorobenzene	0.19	0.031	Not Detected	Not Detected
1,4-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
1,2-Dichlorobenzene	0.16	0.027	Not Detected	Not Detected
Naphthalene	0.093	0.018	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: PSS-SL022

Lab ID#: 1105031A-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051931sim
Dil. Factor: 1.00

Date of Collection: 4/29/11 1:07:00 PM
Date of Analysis: 5/19/11 09:53 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

						CONCENTRATIONS	
		QUANT		SIG		ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.					
21 Heptane	71	7.855	7.855	(0.810)	4354	0.23262	0.232619
22 Trichloroethene	130	8.326	8.326	(0.858)	304388	18.6356	18.6356
25 4-Methyl-2-pentanone	85	Compound Not Detected.					
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	312504	5.10245	5.10245
28 Toluene-CCC	92	9.483	9.483	(0.978)	14821	0.31055	0.310552
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	337899	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					
32 Chlorobenzene	112	Compound Not Detected.					
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	3577	0.12197	0.121965
34 m,p-Xylene	106	10.958	10.958	(1.130)	18156	0.51099	0.510990
36 o-Xylene	106	11.343	11.344	(1.169)	6362	0.17467	0.174668
37 Styrene	104	Compound Not Detected.					
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.					
40 Propylbenzene	91	11.967	11.967	(1.234)	18612	0.16721	0.167208
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	24930	0.32553	0.325530
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	39442	0.65279	0.652787
44 1,3-Dichlorobenzene	146	Compound Not Detected.					
45 1,4-Dichlorobenzene	146	Compound Not Detected.					
46 1,2-Dichlorobenzene	146	Compound Not Detected.					
49 Naphthalene	128	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10051931sim.d
Lab Smp Id: 1105031A-10A
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Calibration Date: 19-MAY-2011
Calibration Time: 16:00
Level: MED
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	337899	-14.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-10A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.10245	102.05	70-130

Data File: /chem/msd10.i/19May2011a.b/10051931sim.d

Date : 19-May-2011 21:53

Client ID:

Sample Info: J1105031A-10A;

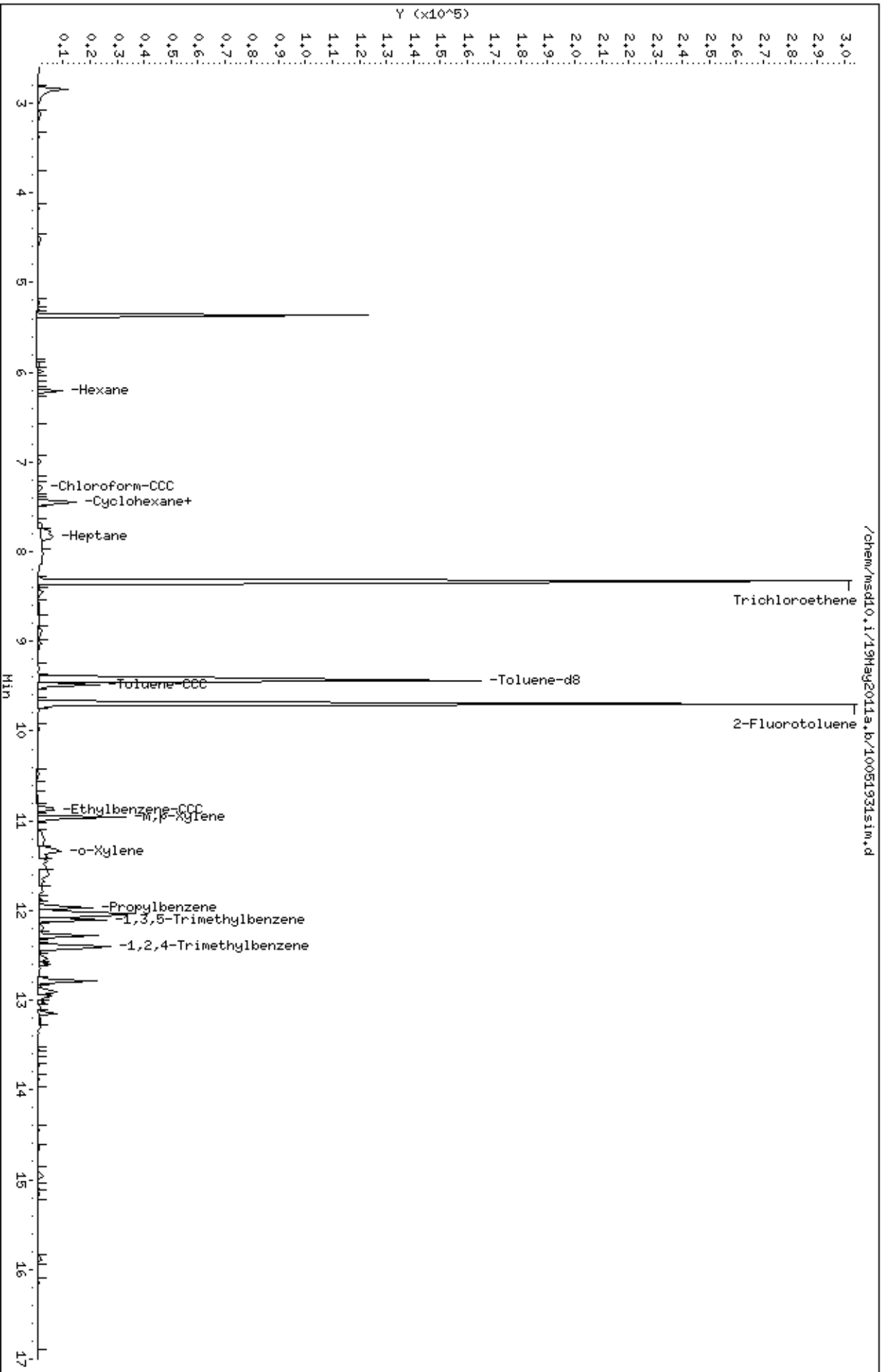
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

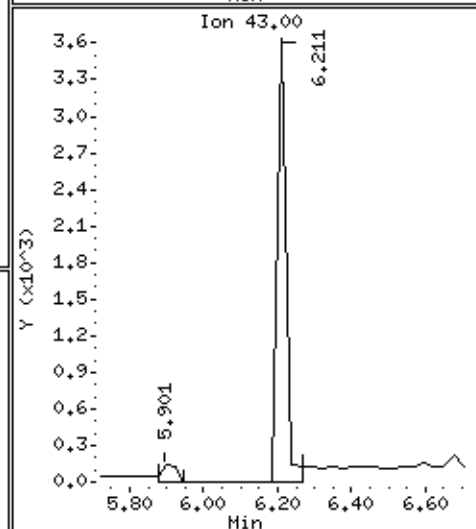
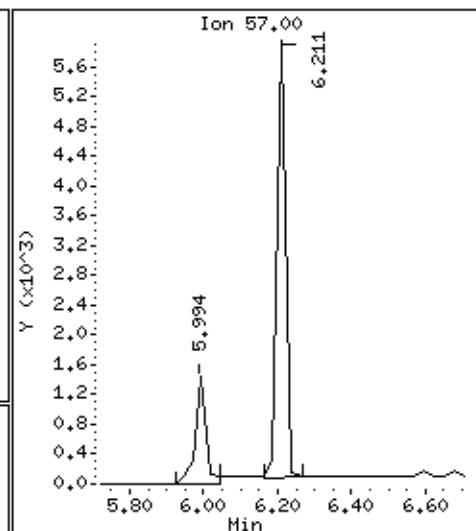
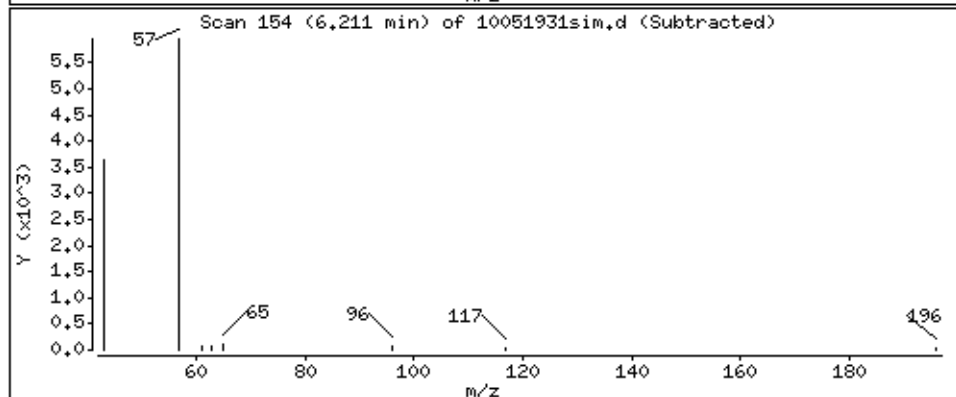
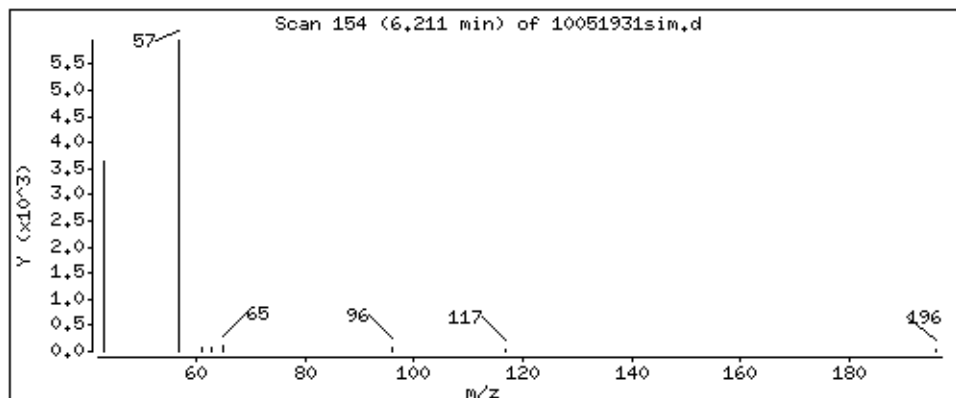
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 0.357054 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

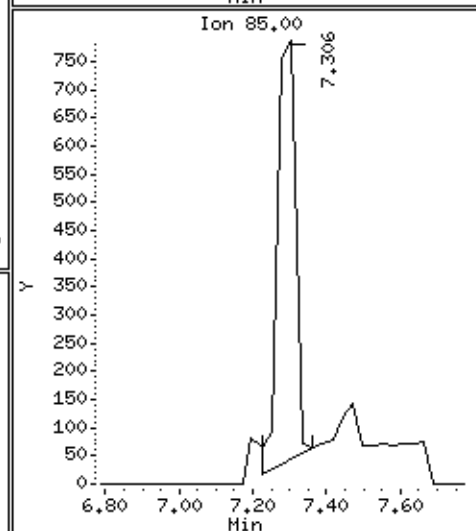
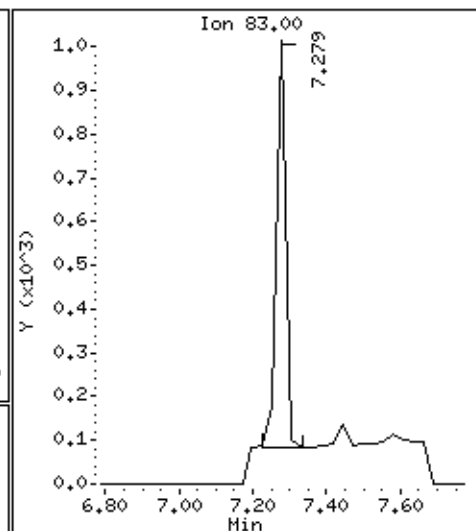
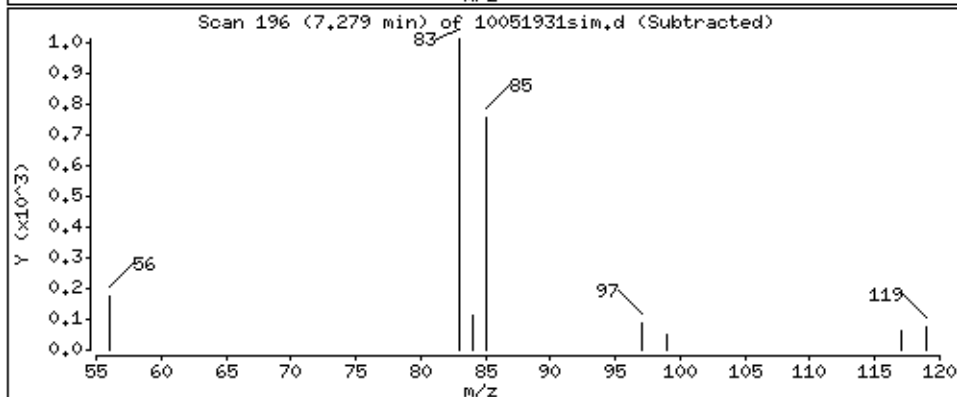
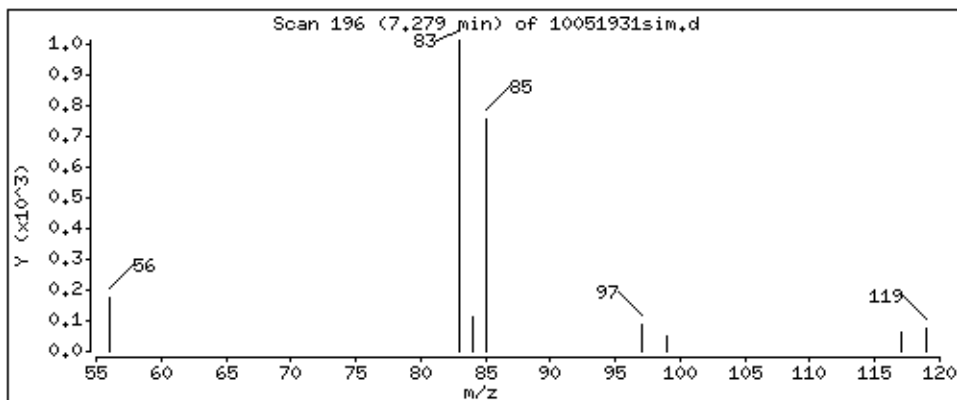
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 0.0678432 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

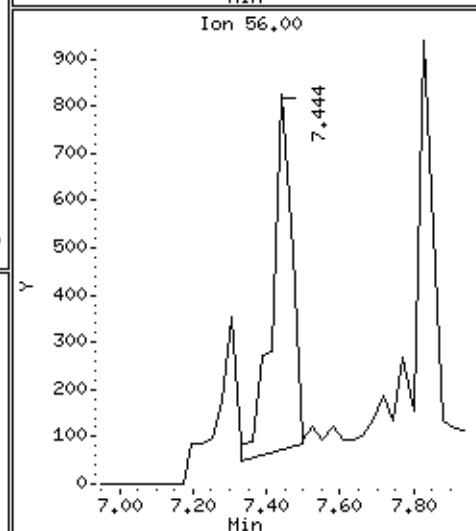
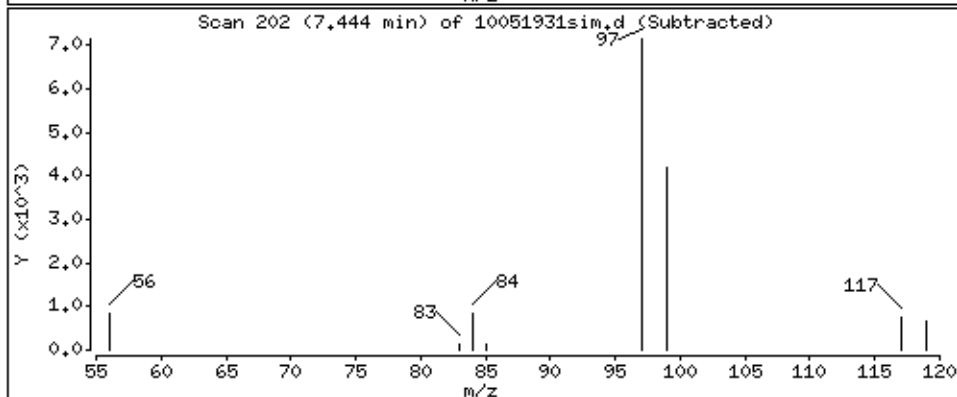
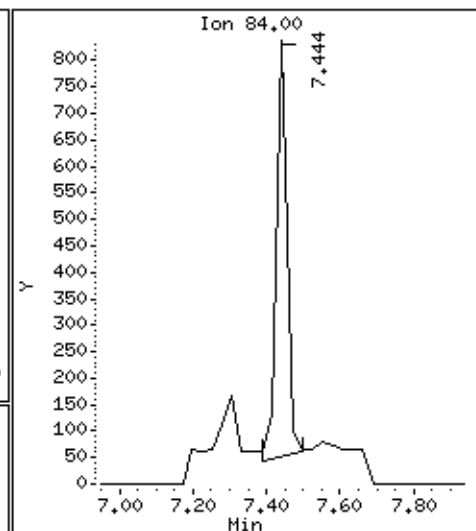
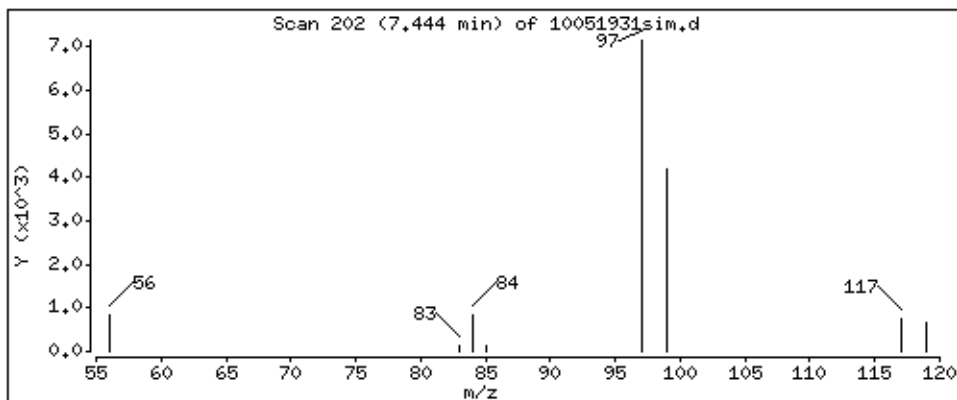
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 0.0508215 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

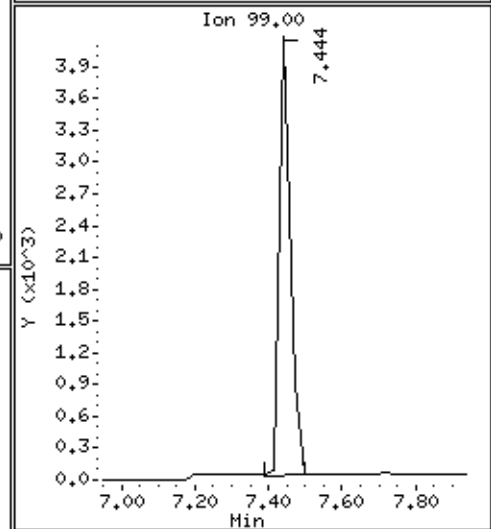
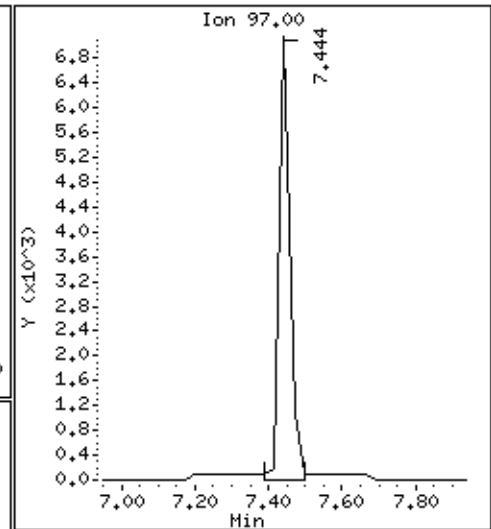
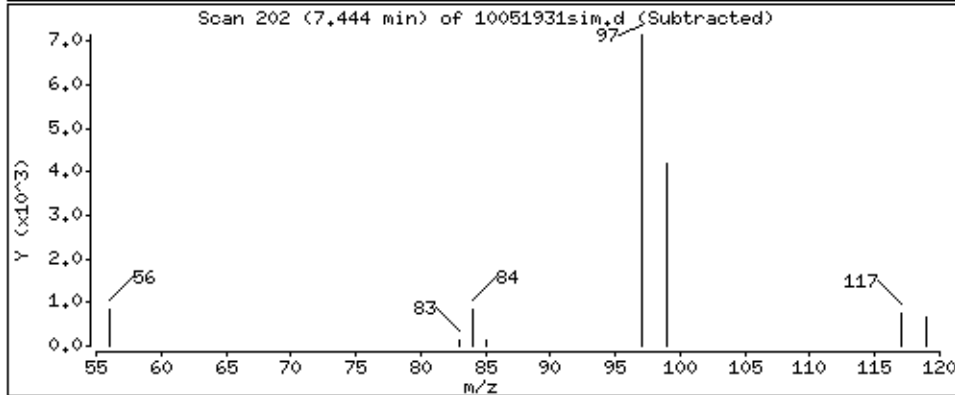
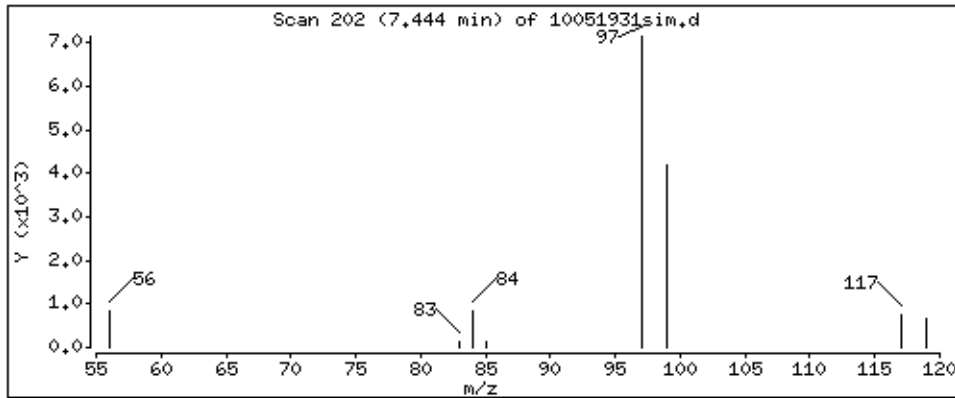
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 0.558886 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

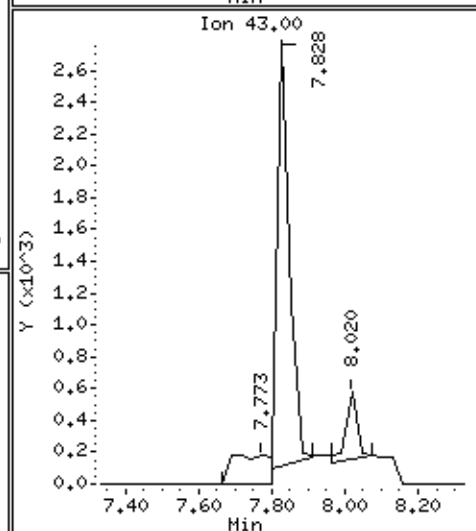
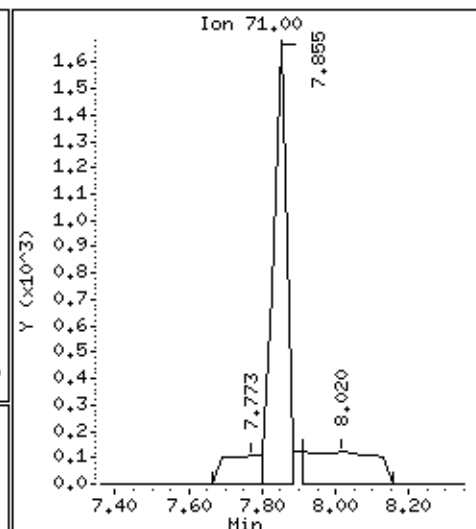
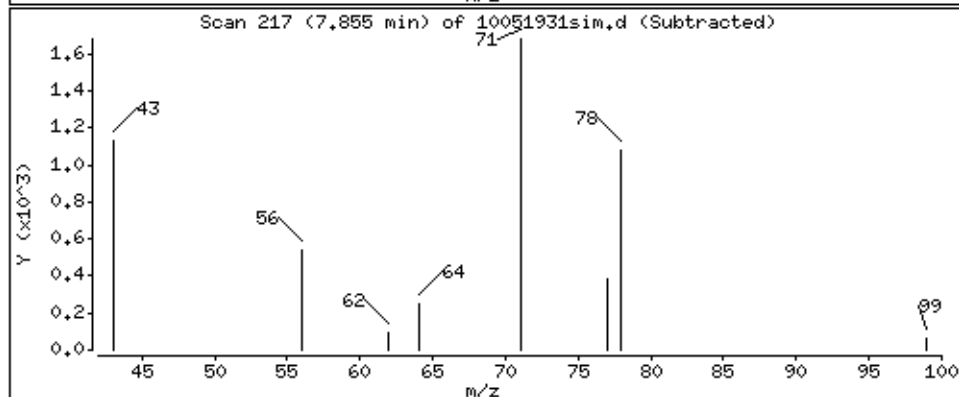
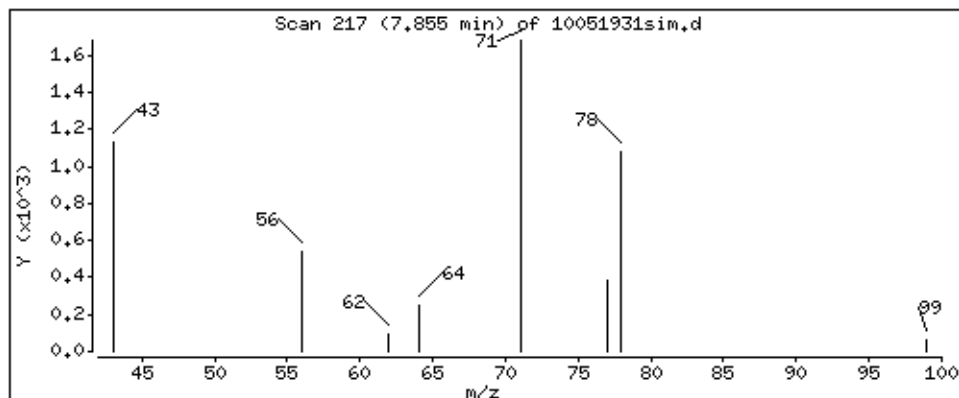
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

21 Heptane

Concentration: 0.232619 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

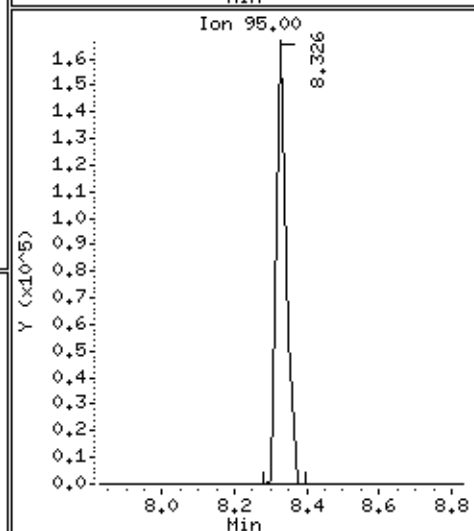
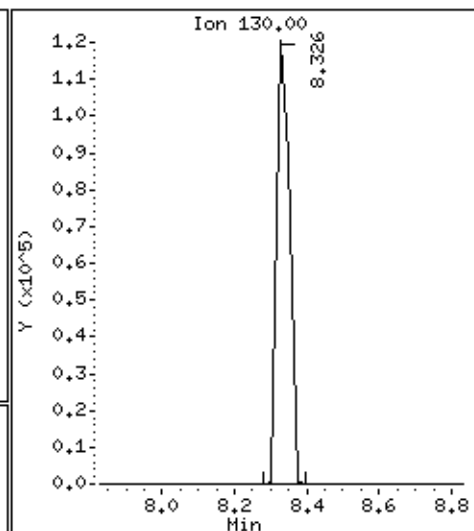
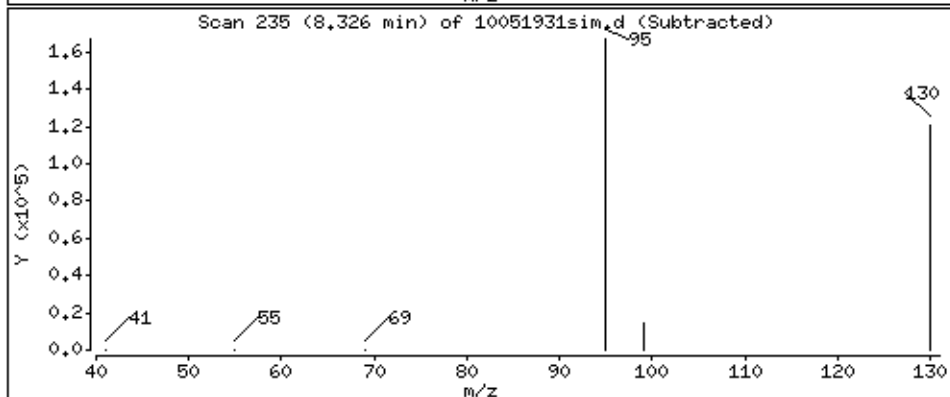
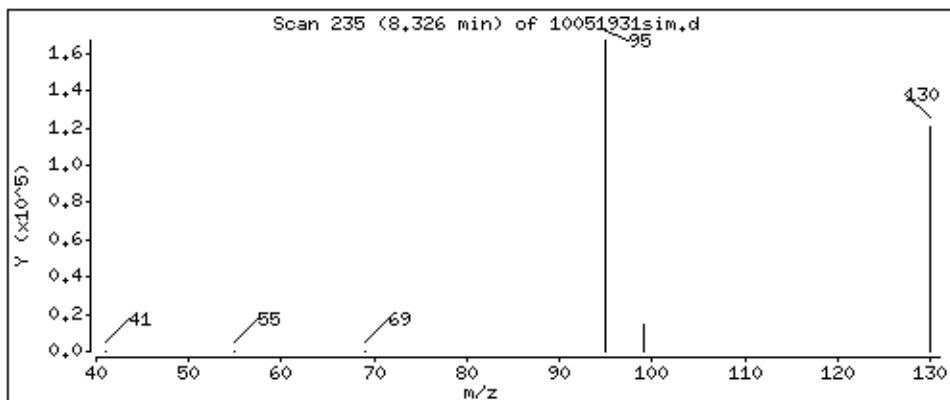
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 18,6356 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

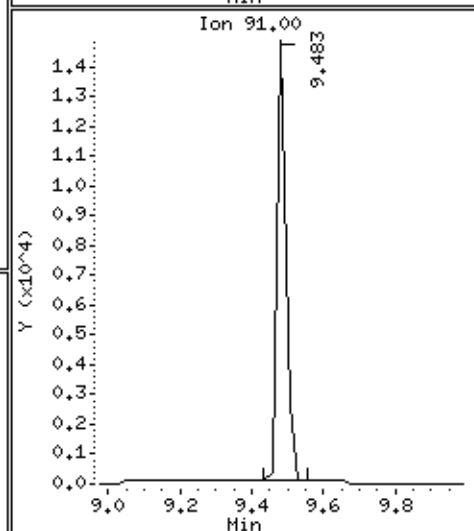
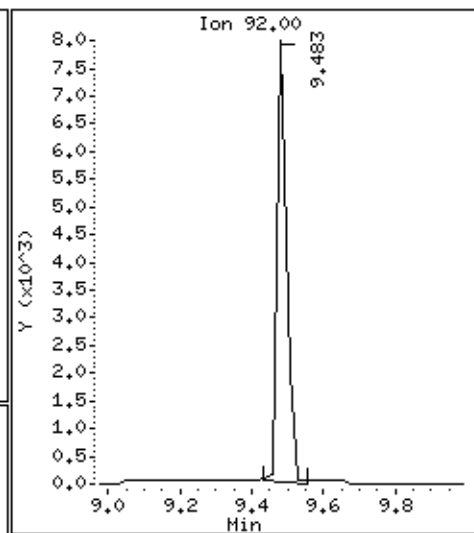
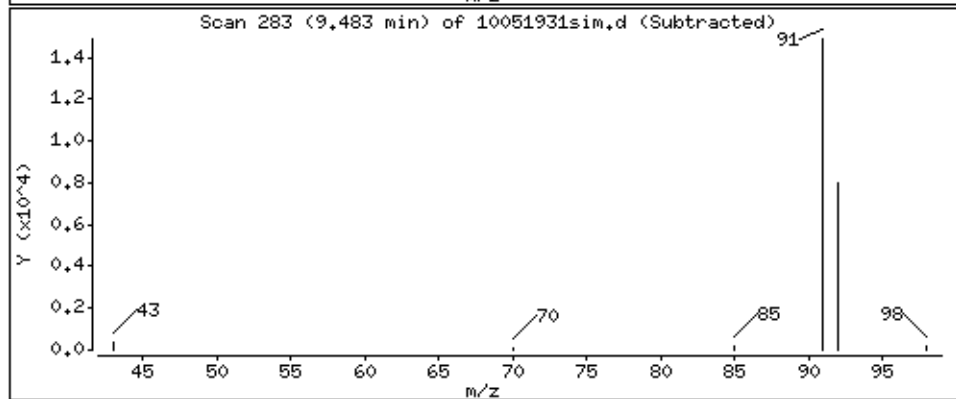
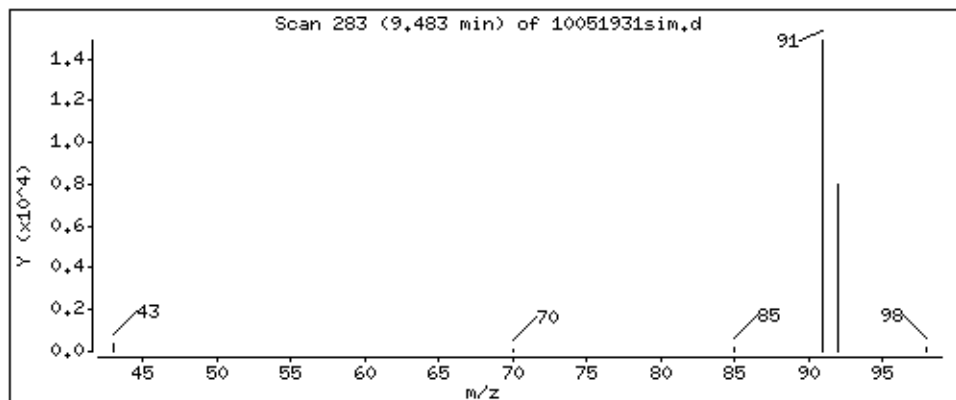
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 0.310552 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

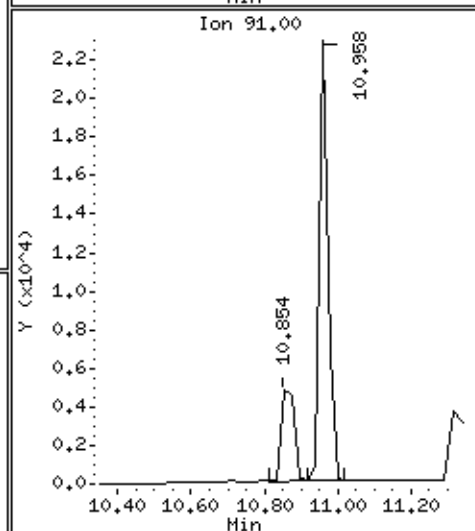
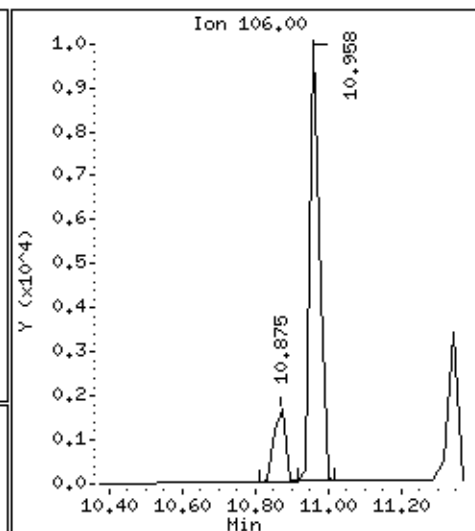
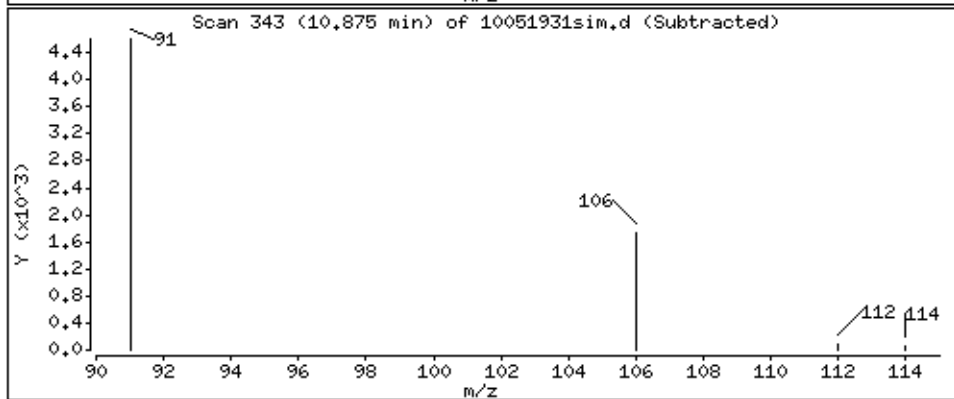
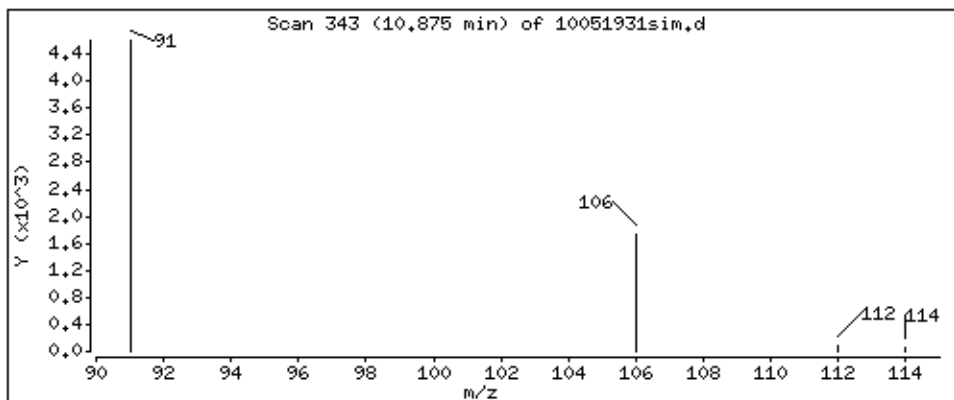
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 0.121965 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

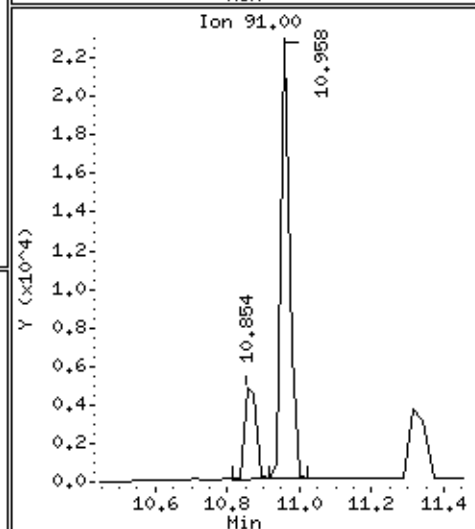
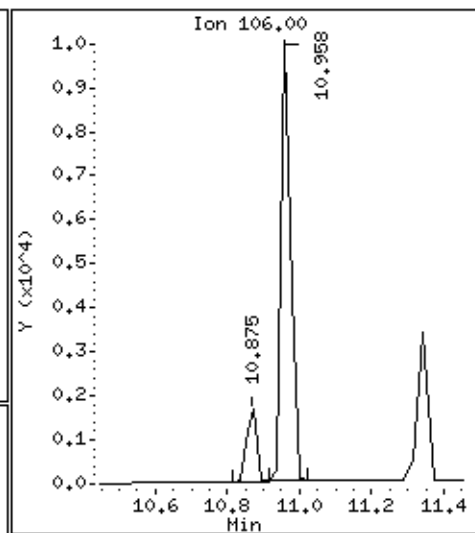
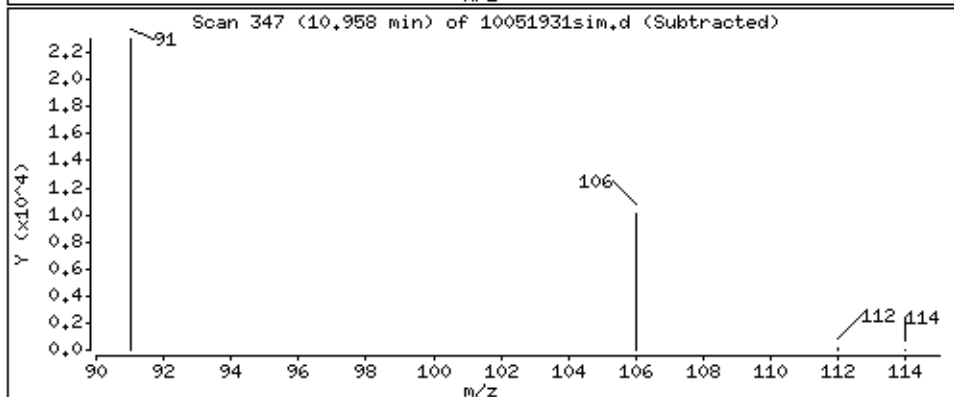
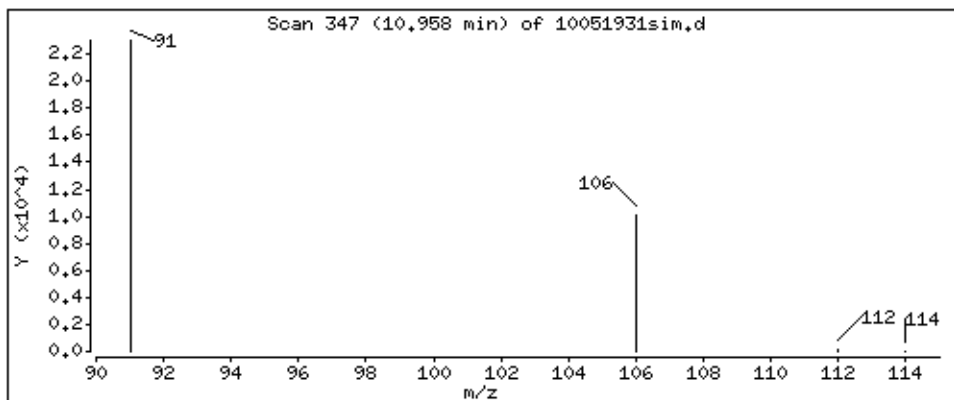
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 0.510990 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

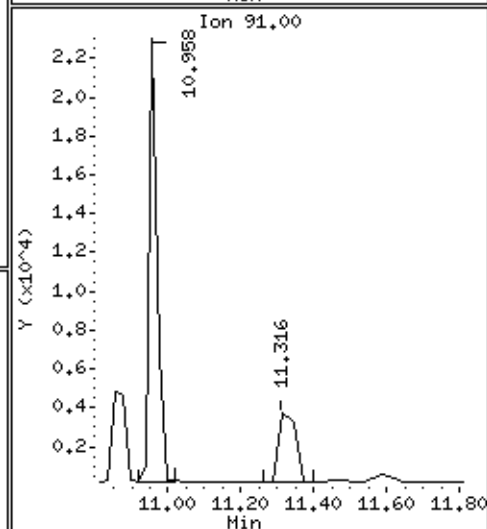
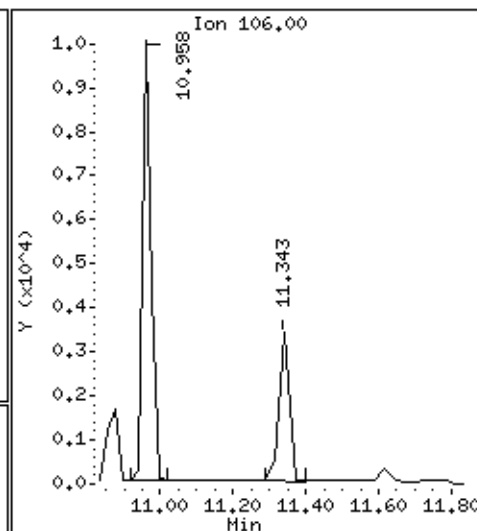
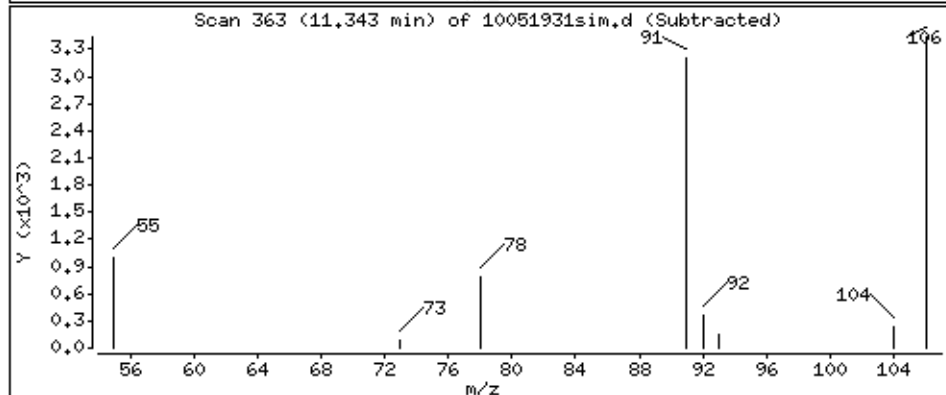
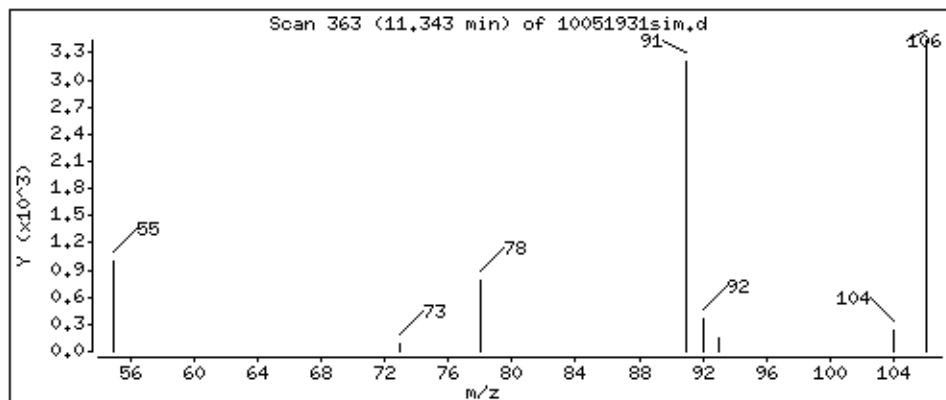
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 0.174668 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

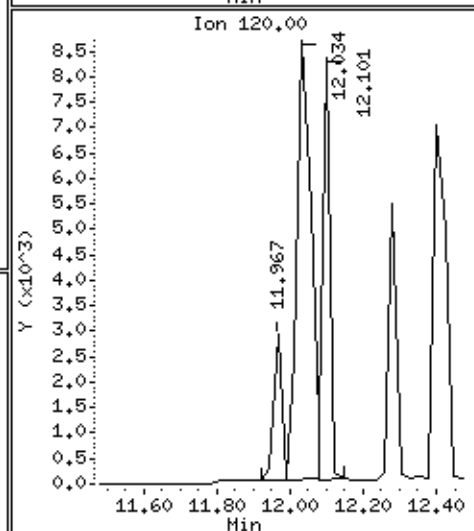
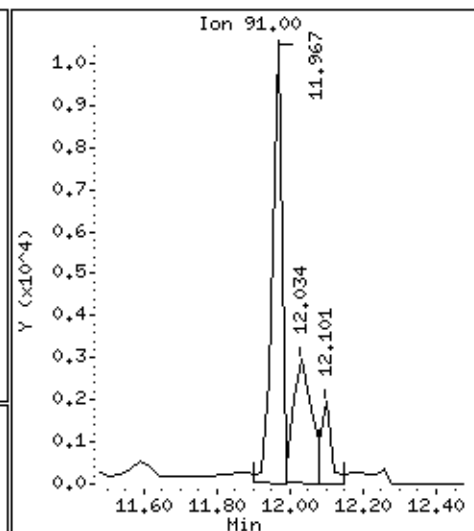
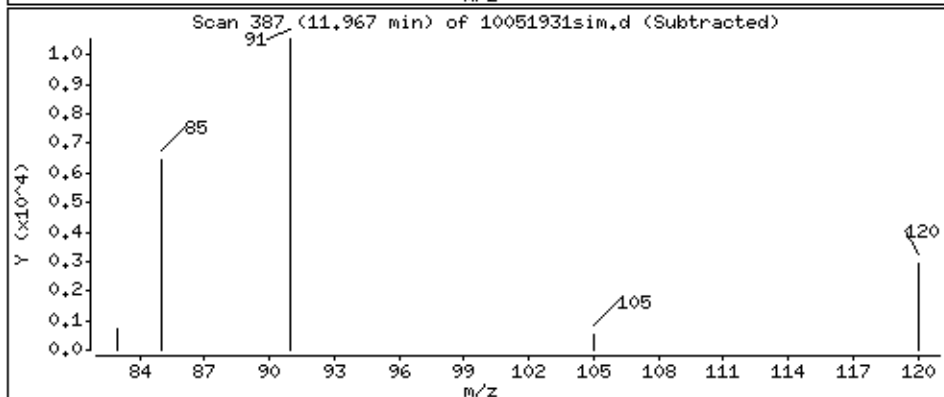
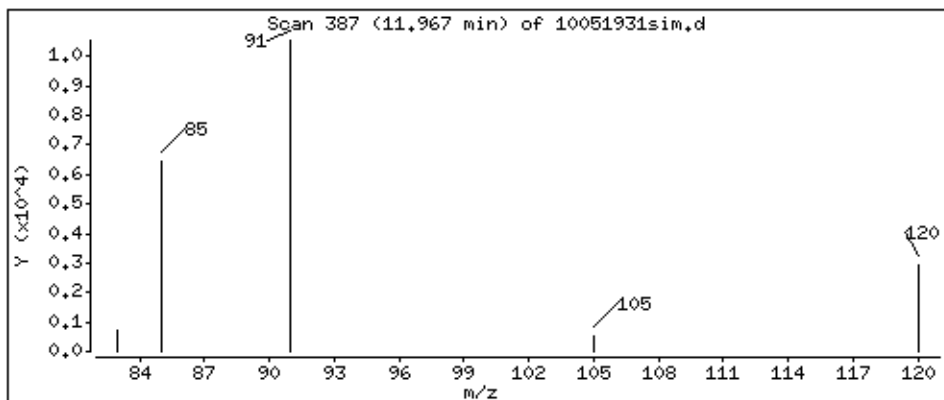
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

40 Propylbenzene

Concentration: 0.167208 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

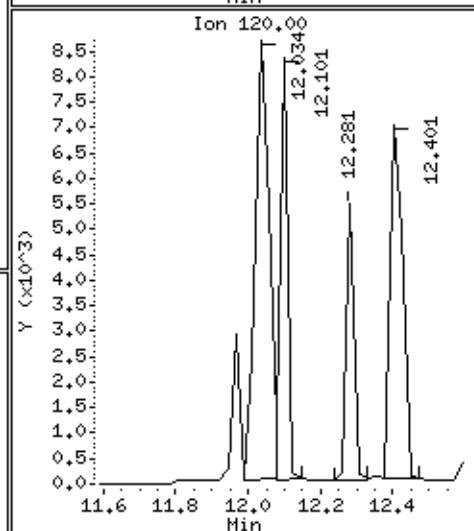
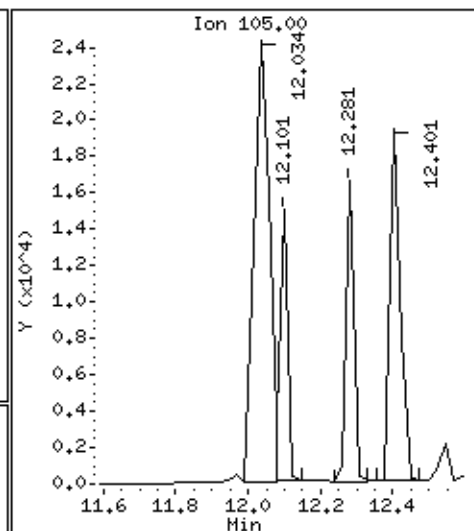
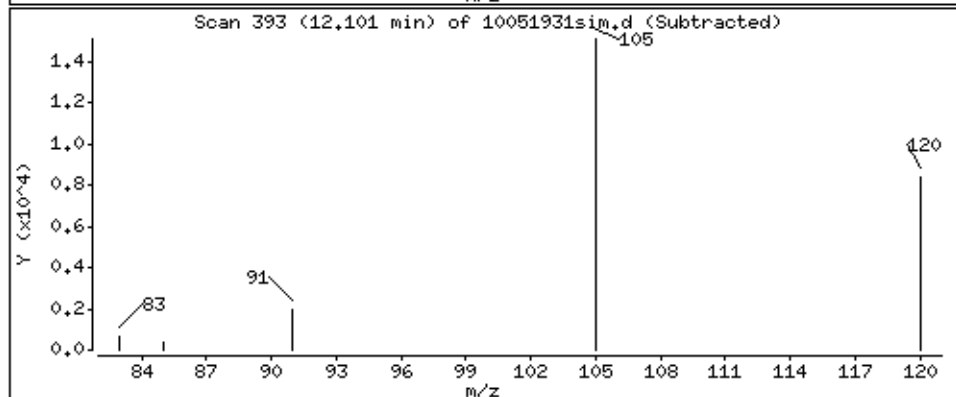
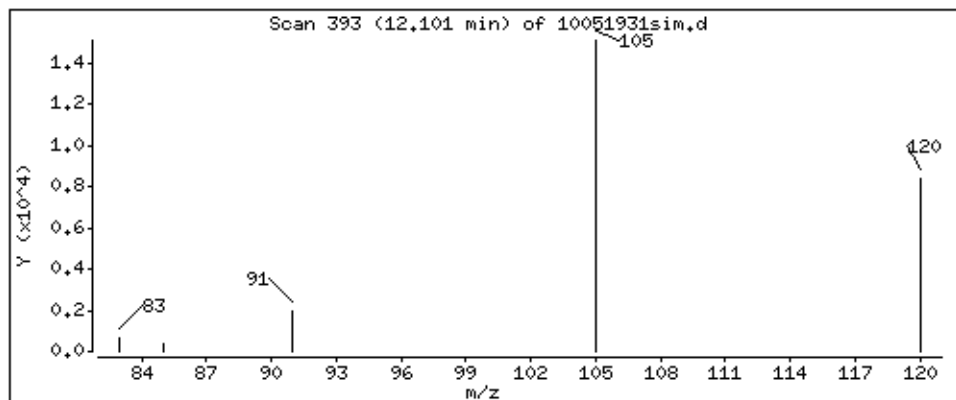
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 0.325530 ug



Date : 19-MAY-2011 21:53

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-10A;

Volume Injected (uL): 1.0

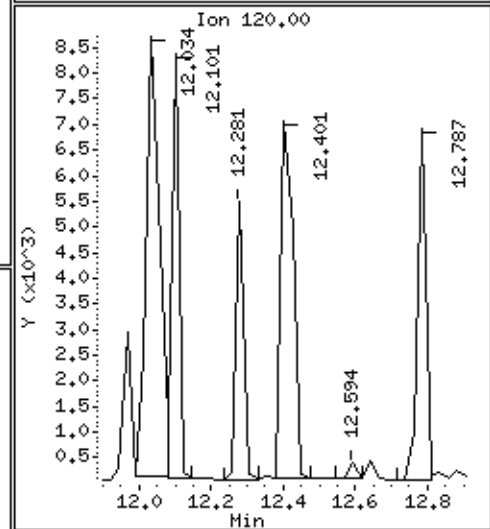
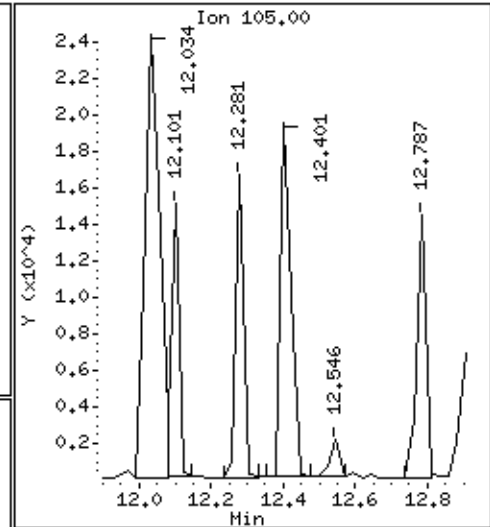
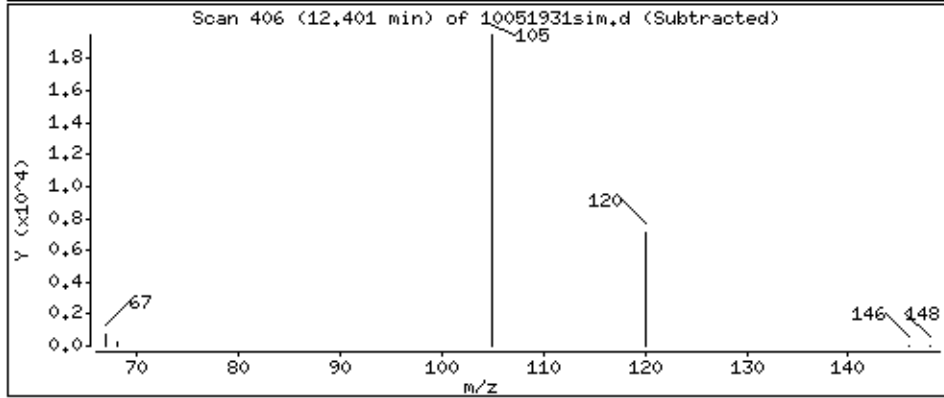
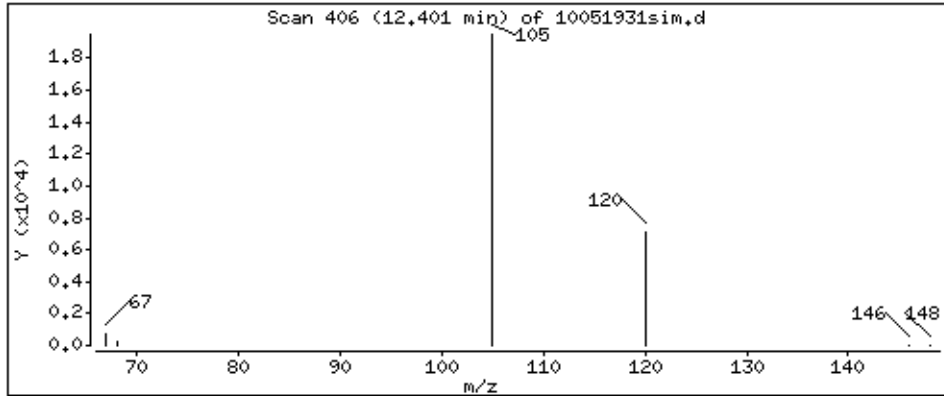
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 0.652787 ug



Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: HPV-022-1

Lab ID#: 1105031A-11A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Trichloroethene	150	27	350	65

Client Sample ID: HPV-022-1

Lab ID#: 1105031A-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051932sim	Date of Collection: 4/29/11 4:43:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/19/11 10:15 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	4200	2000	Not Detected	Not Detected
Vinyl Chloride	4000	1600	Not Detected	Not Detected
1,1-Dichloroethene	2300	590	Not Detected	Not Detected
Acetone	2900	1200	Not Detected	Not Detected
Methyl tert-butyl ether	390	110	Not Detected	Not Detected
trans-1,2-Dichloroethene	730	180	Not Detected	Not Detected
Hexane	1500	420	Not Detected	Not Detected
1,1-Dichloroethane	400	100	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	380	130	Not Detected	Not Detected
cis-1,2-Dichloroethene	250	63	Not Detected	Not Detected
Chloroform	250	50	Not Detected	Not Detected
Cyclohexane	230	68	Not Detected	Not Detected
1,1,1-Trichloroethane	380	69	Not Detected	Not Detected
Carbon Tetrachloride	320	51	Not Detected	Not Detected
Benzene	450	140	Not Detected	Not Detected
1,2-Dichloroethane	190	46	Not Detected	Not Detected
Heptane	210	51	Not Detected	Not Detected
Trichloroethene	150	27	350	65
4-Methyl-2-pentanone	310	75	Not Detected	Not Detected
Toluene	110	30	Not Detected	Not Detected
1,1,2-Trichloroethane	140	27	Not Detected	Not Detected
Tetrachloroethene	90	13	Not Detected	Not Detected
Chlorobenzene	90	20	Not Detected	Not Detected
Ethyl Benzene	72	17	Not Detected	Not Detected
m,p-Xylene	77	18	Not Detected	Not Detected
o-Xylene	68	16	Not Detected	Not Detected
Styrene	67	16	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	68	9.9	Not Detected	Not Detected
Propylbenzene	50	10	Not Detected	Not Detected
1,3,5-Trimethylbenzene	44	9.0	Not Detected	Not Detected
1,2,4-Trimethylbenzene	38	7.8	Not Detected	Not Detected
1,3-Dichlorobenzene	38	6.3	Not Detected	Not Detected
1,4-Dichlorobenzene	37	6.1	Not Detected	Not Detected
1,2-Dichlorobenzene	33	5.4	Not Detected	Not Detected
Naphthalene	19	3.6	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: HPV-022-1

Lab ID#: 1105031A-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051932sim
Dil. Factor: 1.00

Date of Collection: 4/29/11 4:43:00 PM
Date of Analysis: 5/19/11 10:15 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

						CONCENTRATIONS	
		QUANT		SIG		ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.					
21 Heptane	71	Compound Not Detected.					
22 Trichloroethene	130	8.326	8.326	(0.858)	2055	0.11995	0.119952
25 4-Methyl-2-pentanone	85	Compound Not Detected.					
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	336709	5.24155	5.24155
28 Toluene-CCC	92	Compound Not Detected.					
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	354409	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					
32 Chlorobenzene	112	Compound Not Detected.					
33 Ethylbenzene-CCC	106	Compound Not Detected.					
34 m,p-Xylene	106	Compound Not Detected.					
36 o-Xylene	106	Compound Not Detected.					
37 Styrene	104	Compound Not Detected.					
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.					
40 Propylbenzene	91	Compound Not Detected.					
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
44 1,3-Dichlorobenzene	146	Compound Not Detected.					
45 1,4-Dichlorobenzene	146	Compound Not Detected.					
46 1,2-Dichlorobenzene	146	Compound Not Detected.					
49 Naphthalene	128	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051932sim.d

Calibration Time: 16:00

Lab Smp Id: 1105031A-11A

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	393119	196560	786238	354409	-9.85

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-11A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.24155	104.83	70-130

Data File: /chem/msd10.i/19May2011a.b/10051932sim.d

Date : 19-May-2011 22:15

Client ID:

Sample Info: J1105031A-11A;

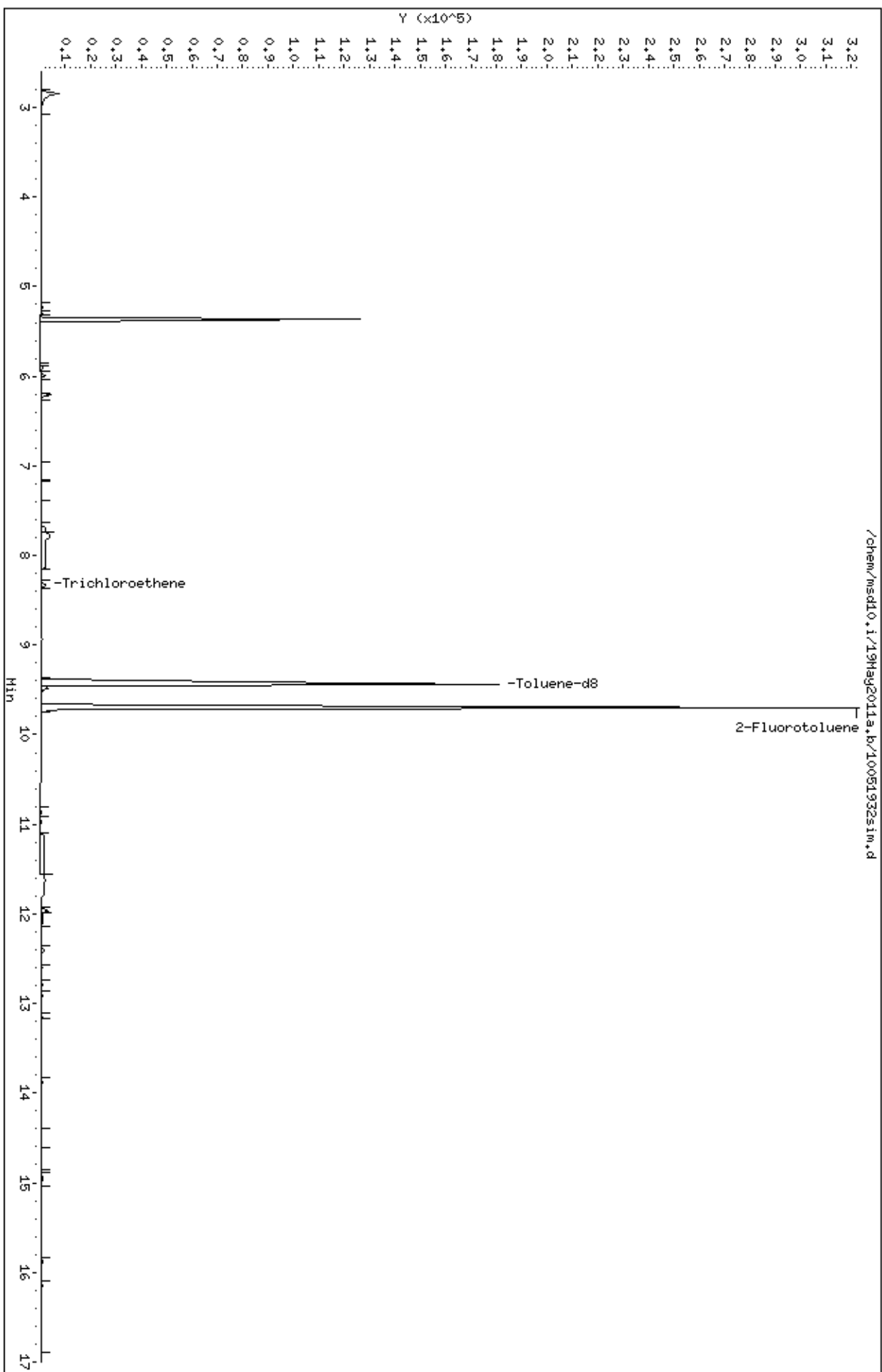
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 22:15

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-11A;

Volume Injected (uL): 1.0

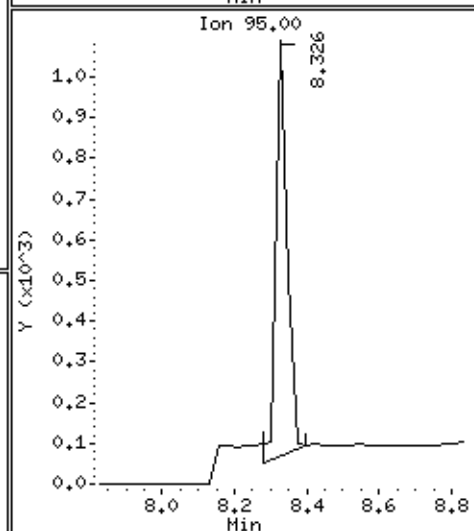
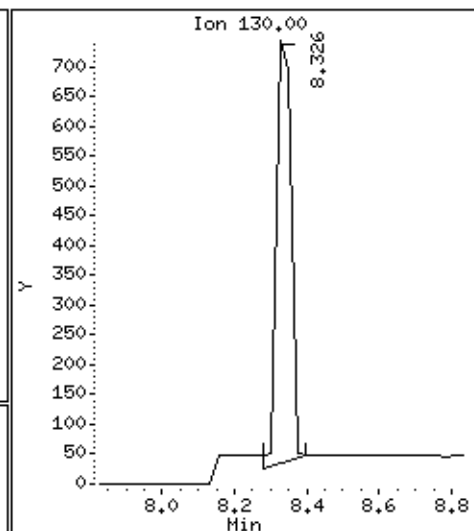
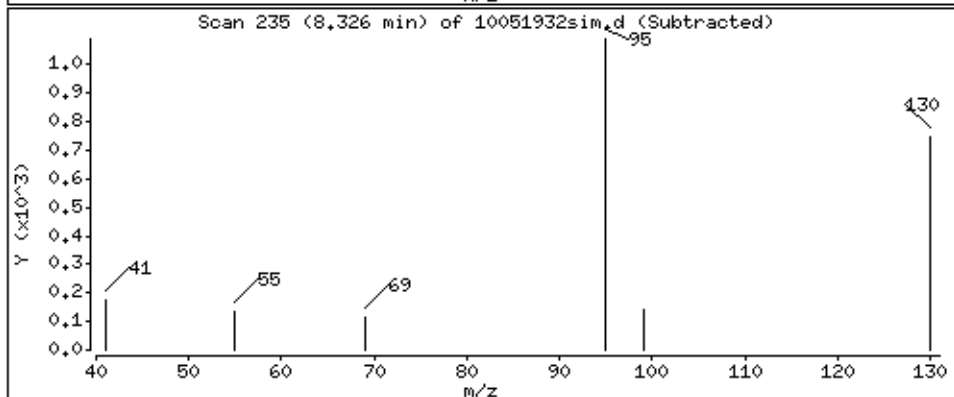
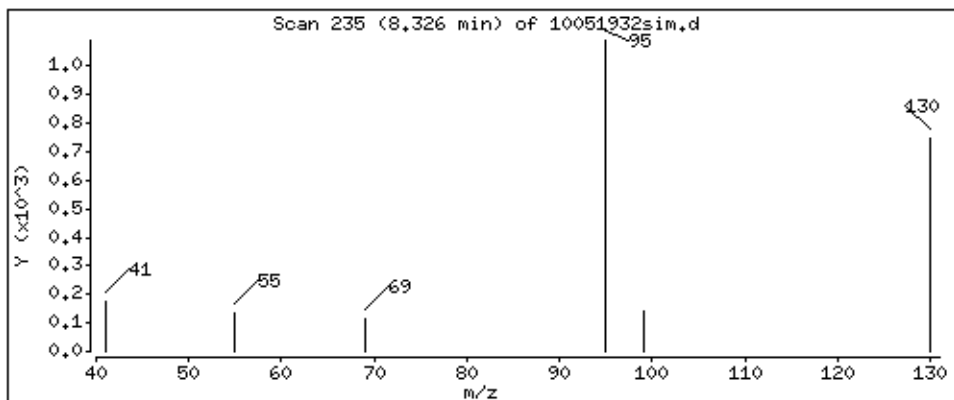
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 0.119952 ug



Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: TRIP BLANK A1

Lab ID#: 1105031A-13A

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Acetone	14	6.1	84	35
Hexane	7.2	2.0	26	7.5
2-Butanone (Methyl Ethyl Ketone)	1.9	0.64	3.1	1.0
Toluene	0.56	0.15	2.2	0.59
Ethyl Benzene	0.36	0.082	0.39	0.090
m,p-Xylene	0.38	0.087	1.5	0.35
o-Xylene	0.34	0.078	0.48	0.11

Client Sample ID: TRIP BLANK A1

Lab ID#: 1105031A-13A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051925sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/19/11 07:38 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	21	10	Not Detected	Not Detected
Vinyl Chloride	20	7.7	Not Detected	Not Detected
1,1-Dichloroethene	12	2.9	Not Detected	Not Detected
Acetone	14	6.1	84	35
Methyl tert-butyl ether	1.9	0.54	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.6	0.91	Not Detected	Not Detected
Hexane	7.2	2.0	26	7.5
1,1-Dichloroethane	2.0	0.49	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.9	0.64	3.1	1.0
cis-1,2-Dichloroethene	1.2	0.31	Not Detected	Not Detected
Chloroform	1.2	0.25	Not Detected	Not Detected
Cyclohexane	1.2	0.34	Not Detected	Not Detected
1,1,1-Trichloroethane	1.9	0.34	Not Detected	Not Detected
Carbon Tetrachloride	1.6	0.25	Not Detected	Not Detected
Benzene	2.2	0.69	Not Detected	Not Detected
1,2-Dichloroethane	0.92	0.23	Not Detected	Not Detected
Heptane	1.0	0.25	Not Detected	Not Detected
Trichloroethene	0.72	0.13	Not Detected	Not Detected
4-Methyl-2-pentanone	1.5	0.37	Not Detected	Not Detected
Toluene	0.56	0.15	2.2	0.59
1,1,2-Trichloroethane	0.72	0.13	Not Detected	Not Detected
Tetrachloroethene	0.44	0.066	Not Detected	Not Detected
Chlorobenzene	0.45	0.097	Not Detected	Not Detected
Ethyl Benzene	0.36	0.082	0.39	0.090
m,p-Xylene	0.38	0.087	1.5	0.35
o-Xylene	0.34	0.078	0.48	0.11
Styrene	0.33	0.078	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.34	0.049	Not Detected	Not Detected
Propylbenzene	0.25	0.051	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.22	0.044	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.19	0.039	Not Detected	Not Detected
1,3-Dichlorobenzene	0.19	0.031	Not Detected	Not Detected
1,4-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
1,2-Dichlorobenzene	0.16	0.027	Not Detected	Not Detected
Naphthalene	0.093	0.018	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: TRIP BLANK A1

Lab ID#: 1105031A-13A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051925sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 5/19/11 07:38 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.					
21 Heptane	71	Compound Not Detected.					
22 Trichloroethene	130	Compound Not Detected.					
25 4-Methyl-2-pentanone	85	Compound Not Detected.					
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	351820	5.11312	5.11312
28 Toluene-CCC	92	9.483	9.483	(0.978)	10560	0.19695	0.196953
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	379616	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.					
31 Tetrachloroethene	164	Compound Not Detected.					
32 Chlorobenzene	112	Compound Not Detected.					
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	1794	0.05445	0.0544481
34 m,p-Xylene	106	10.958	10.958	(1.130)	8071	0.20219	0.202191
36 o-Xylene	106	11.343	11.344	(1.169)	2902	0.07092	0.0709185
37 Styrene	104	Compound Not Detected.					
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.					
40 Propylbenzene	91	Compound Not Detected.					
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
44 1,3-Dichlorobenzene	146	Compound Not Detected.					
45 1,4-Dichlorobenzene	146	Compound Not Detected.					
46 1,2-Dichlorobenzene	146	Compound Not Detected.					
49 Naphthalene	128	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10051925sim.d
Lab Smp Id: 1105031A-13A
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

Calibration Date: 19-MAY-2011
Calibration Time: 16:00
Level: MED
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	379616	-3.43

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-13A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.11312	102.26	70-130

Data File: /chem/msd10.i/19May2011a.b/10051925sim.d

Date : 19-May-2011 19:38

Client ID:

Sample Info: J1105031A-13A;

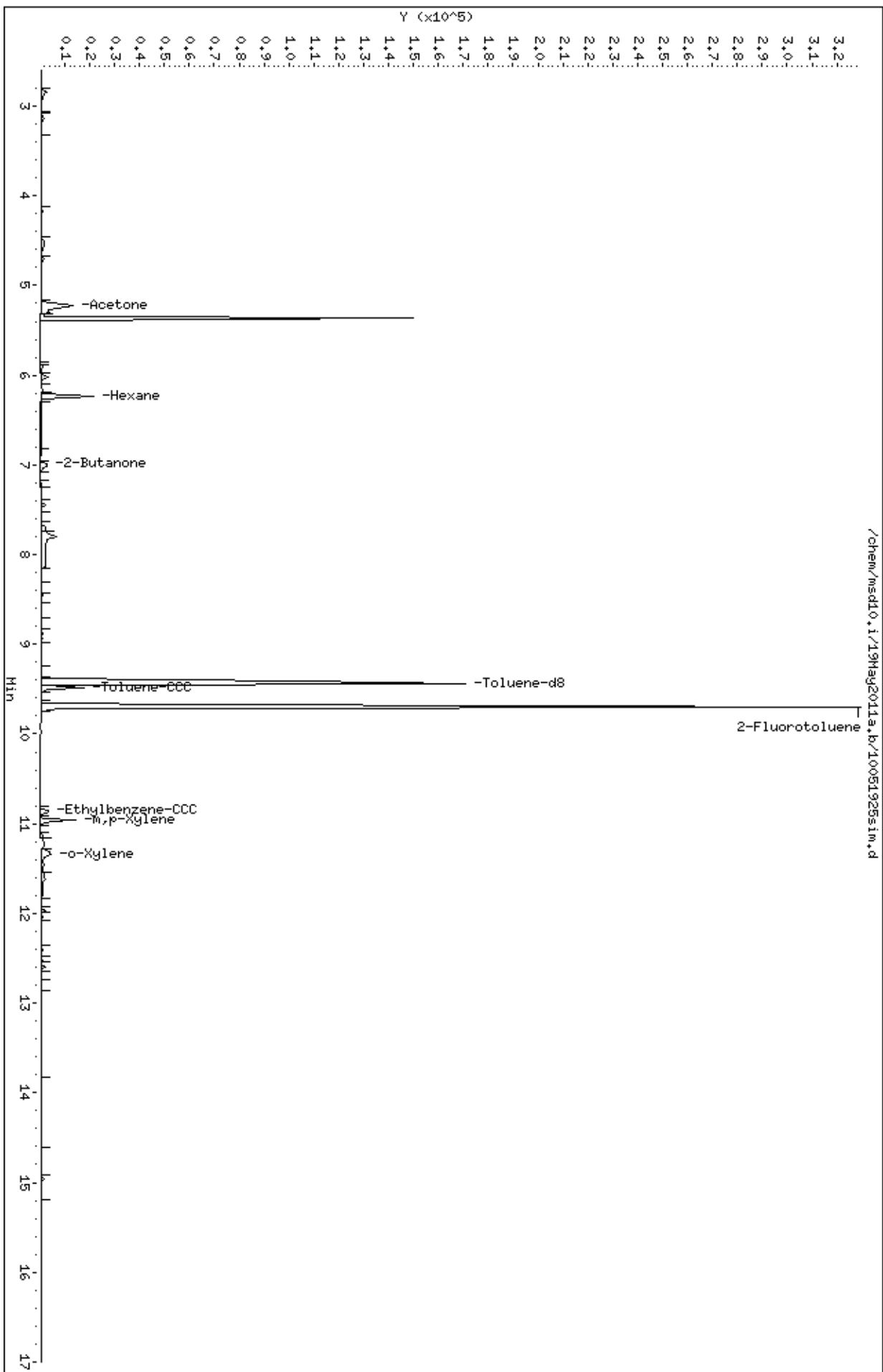
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

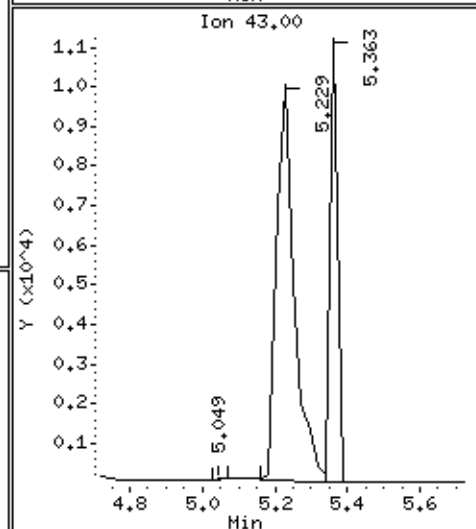
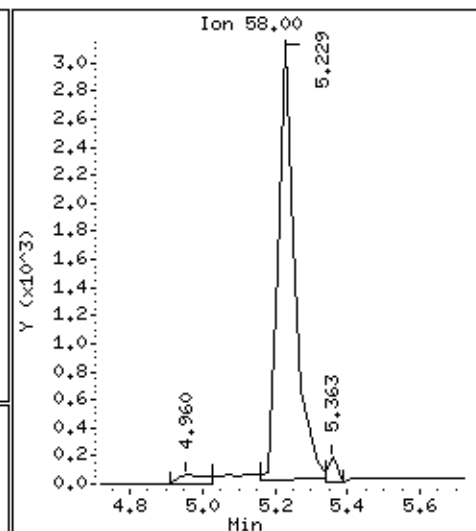
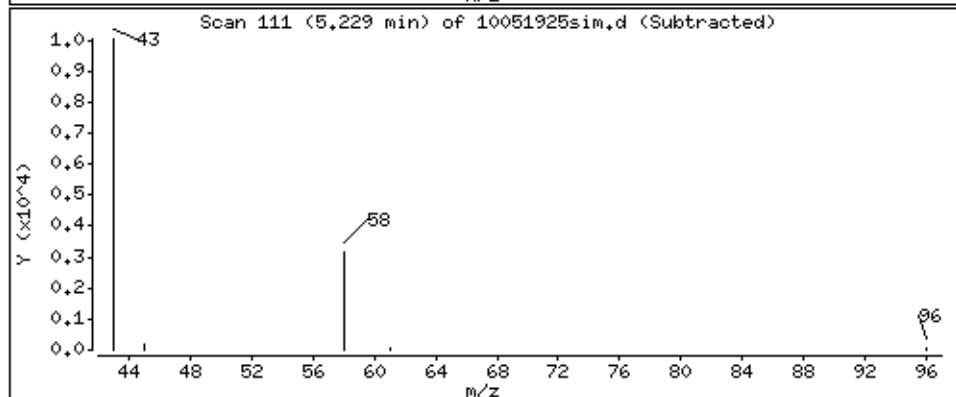
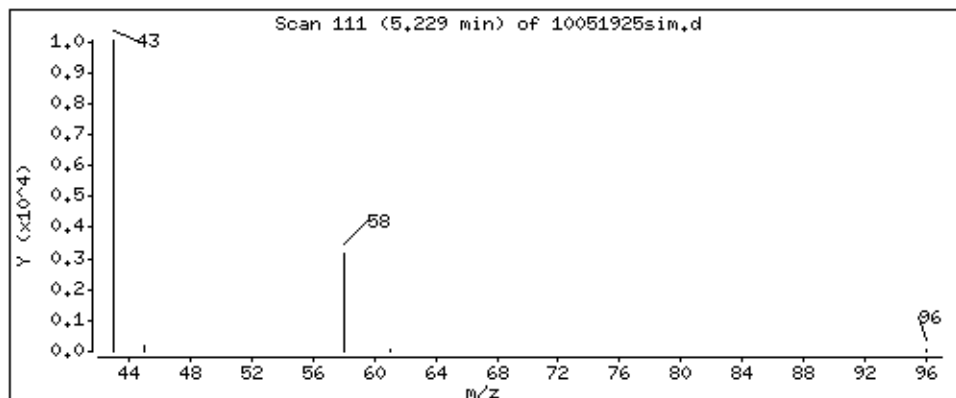
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

5 Acetone

Concentration: 1.16766 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

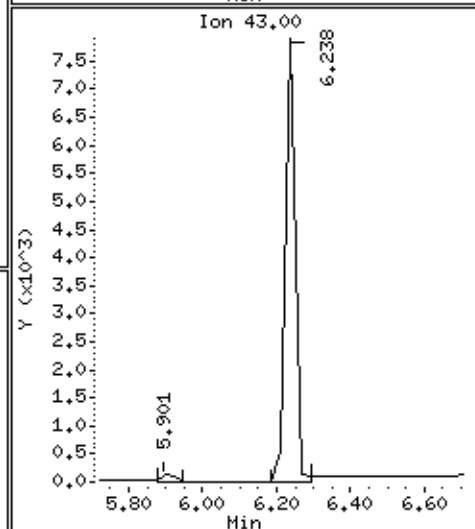
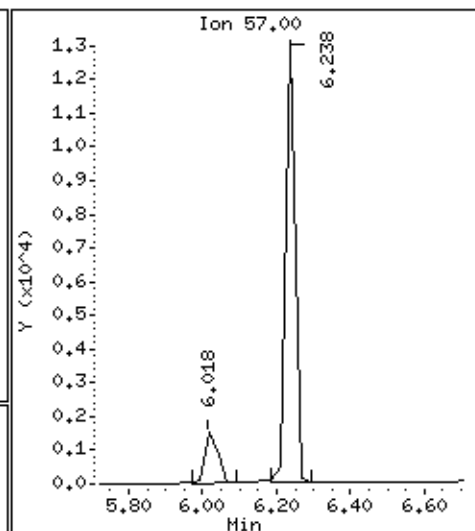
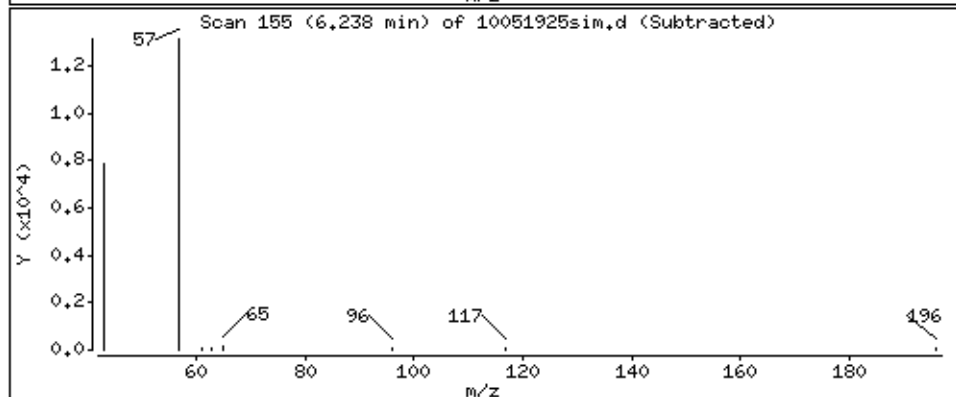
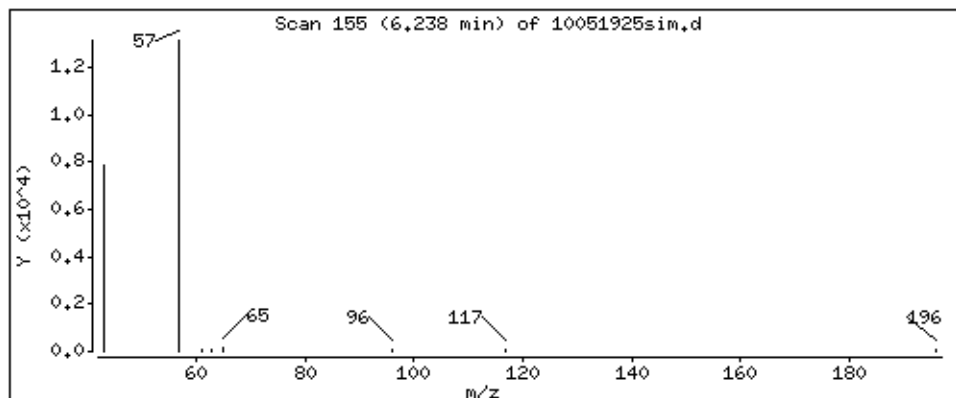
Operator: LZ

Column phase: DB-5,625

Column diameter: 0.25

9 Hexane

Concentration: 0.724972 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

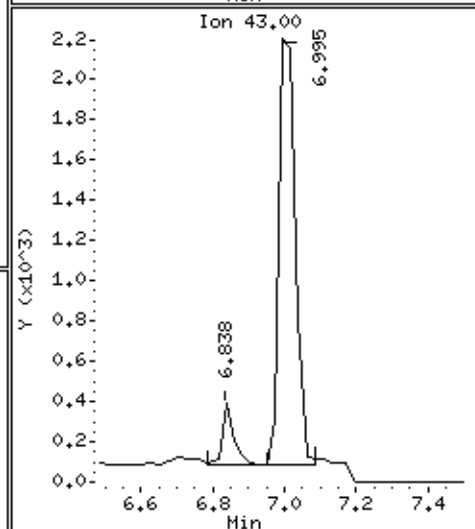
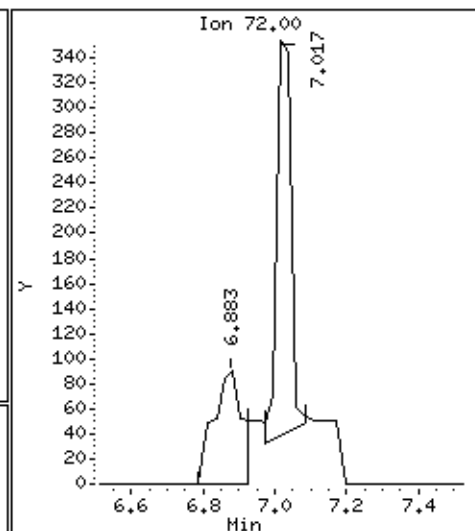
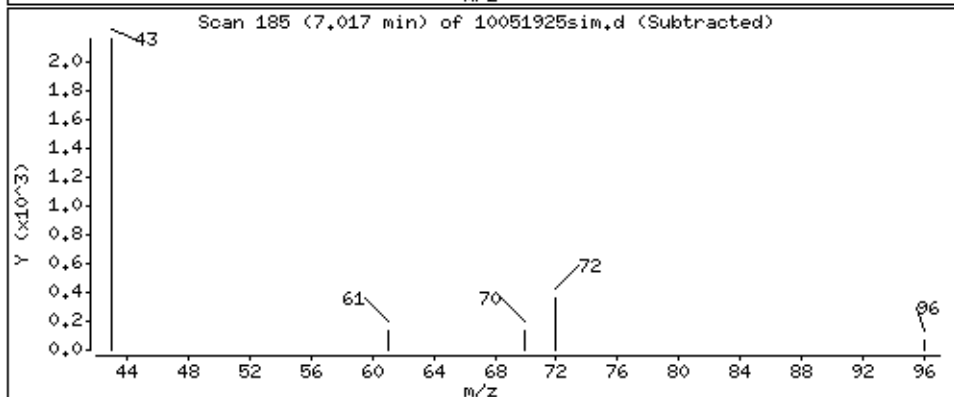
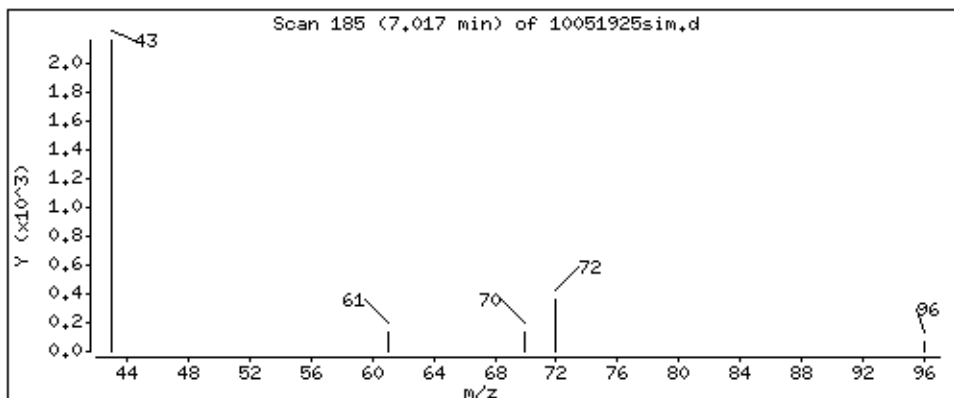
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

13 2-Butanone

Concentration: 0.0809556 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

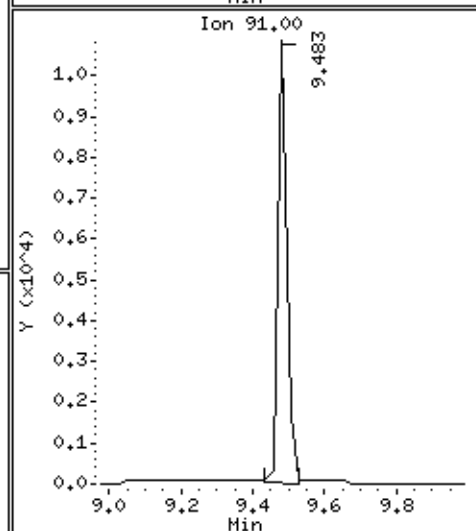
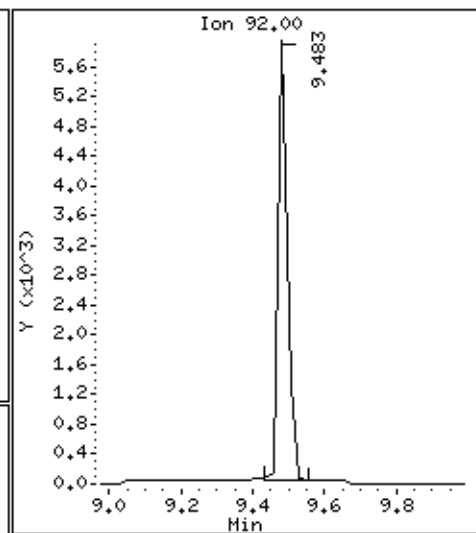
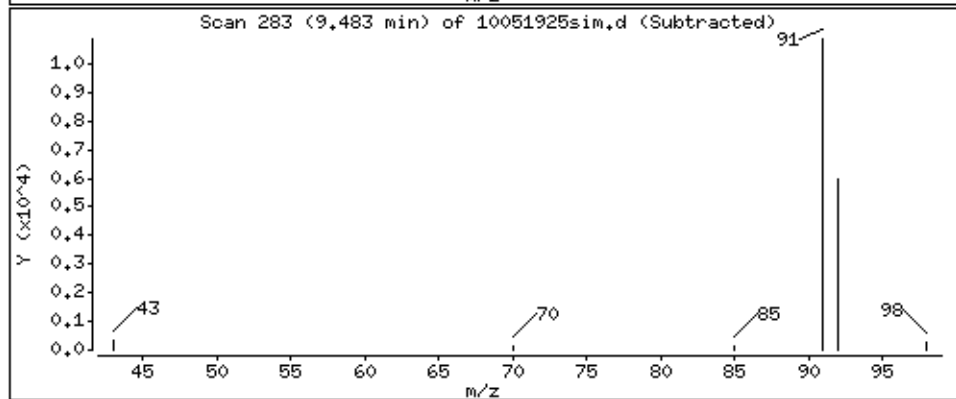
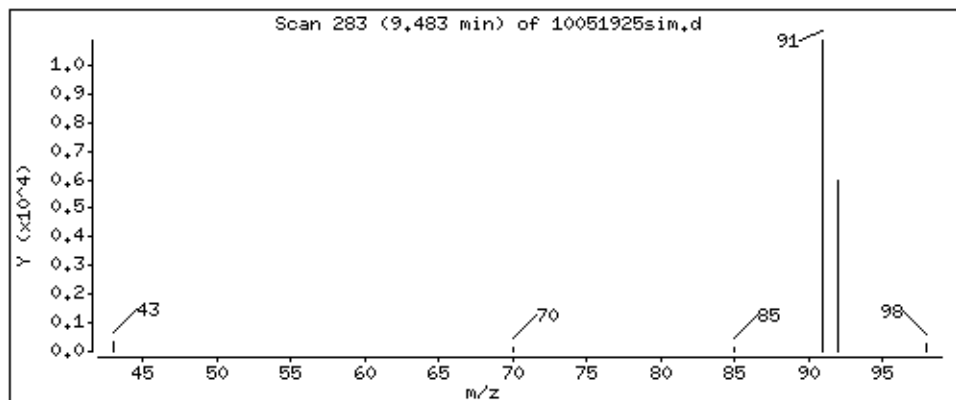
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 0.196953 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

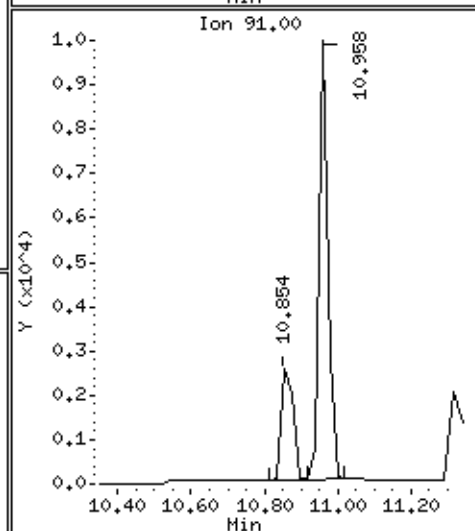
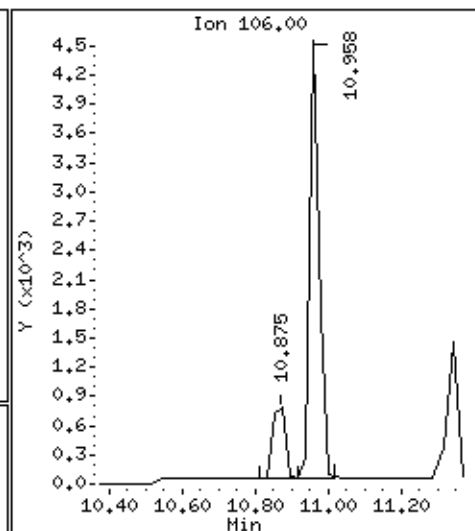
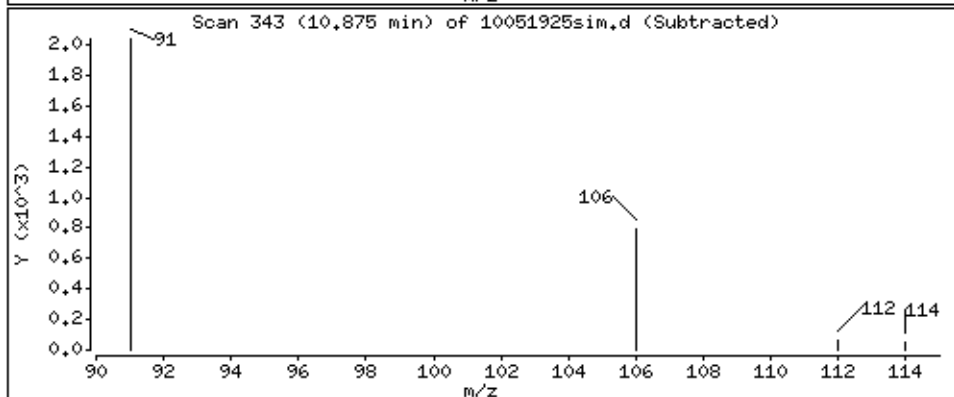
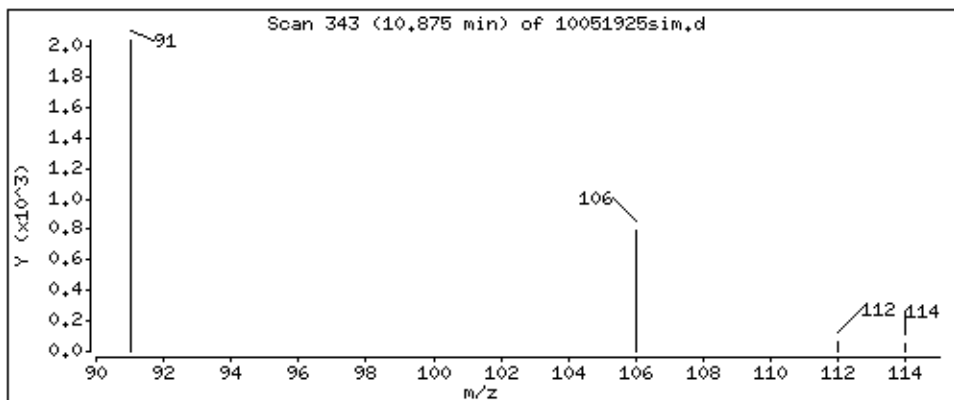
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 0.0544481 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

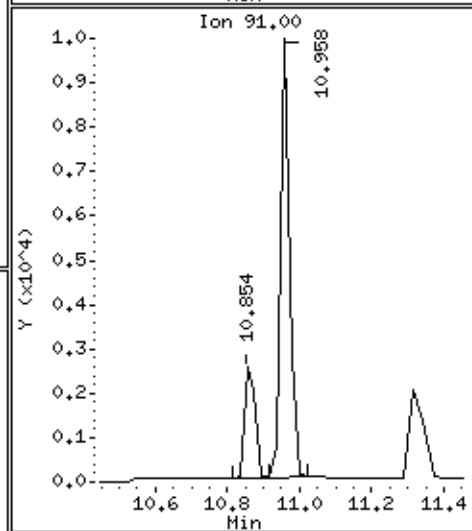
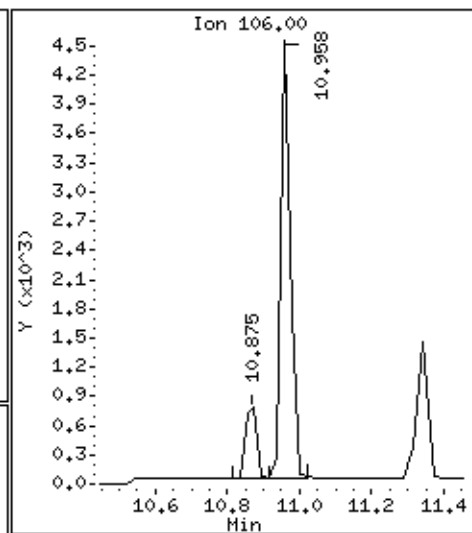
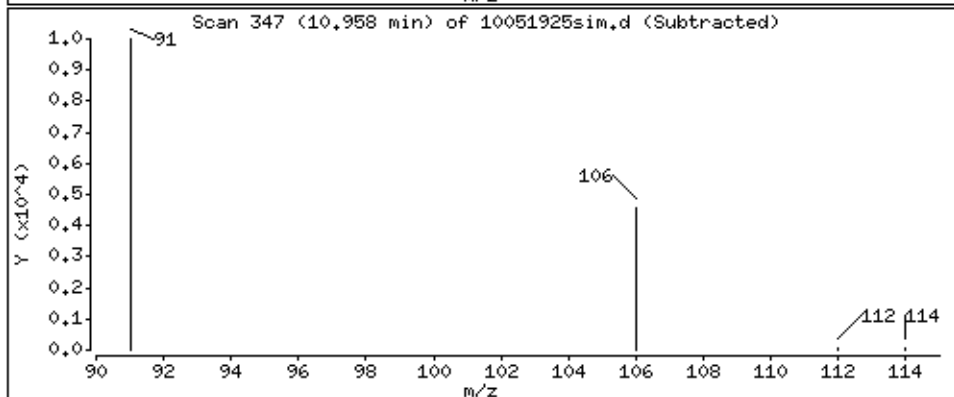
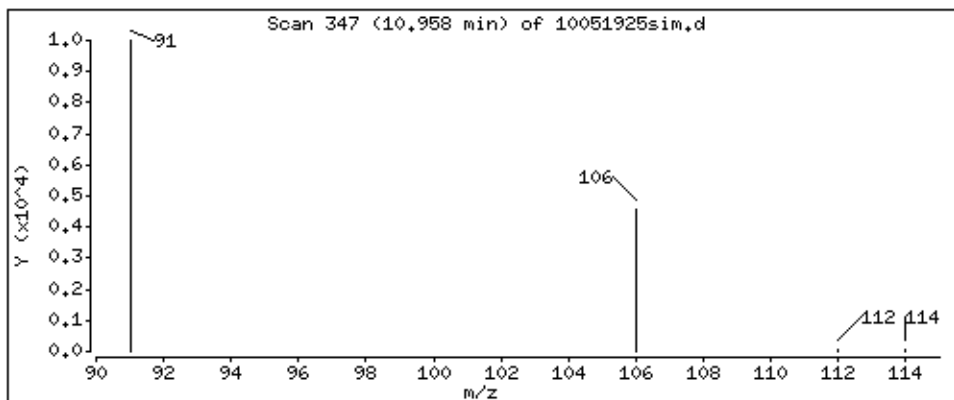
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 0.202191 ug



Date : 19-MAY-2011 19:38

Client ID:

Instrument: msd10.i

Sample Info: ;1105031A-13A;

Volume Injected (uL): 1.0

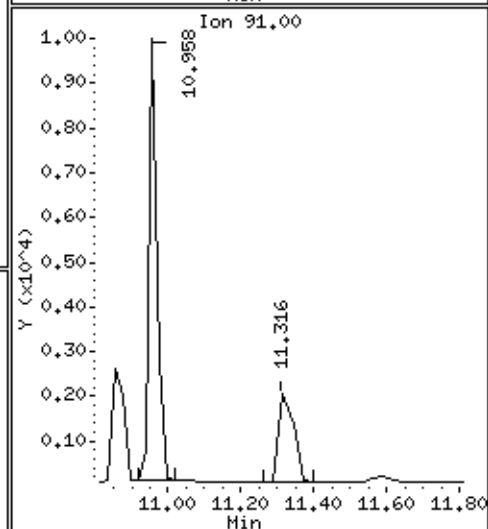
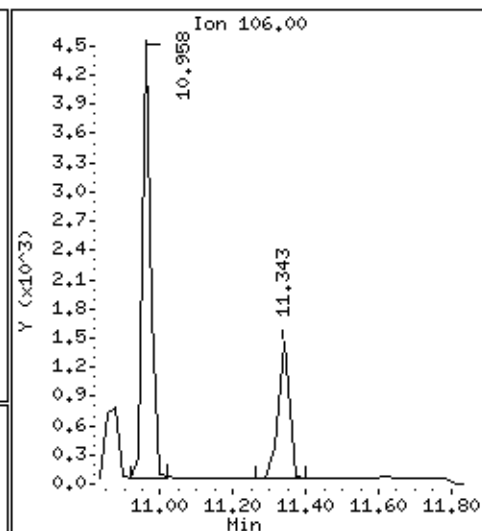
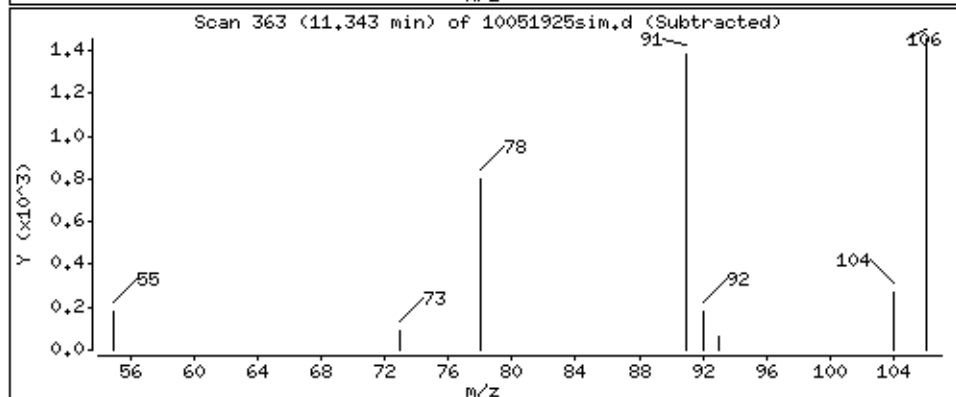
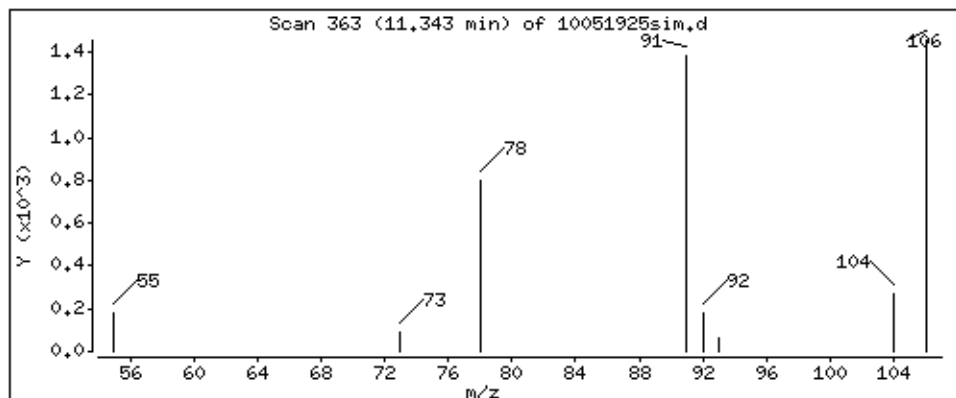
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 0.0709185 ug



**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: TRIP BLANK B1

Lab ID#: 1105031A-14A

No Detections Were Found.

Client Sample ID: TRIP BLANK B1

Lab ID#: 1105031A-14A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051926sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/19/11 08:01 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	21	10	Not Detected	Not Detected
Vinyl Chloride	20	7.7	Not Detected	Not Detected
1,1-Dichloroethene	12	2.9	Not Detected	Not Detected
Acetone	14	6.1	Not Detected	Not Detected
Methyl tert-butyl ether	1.9	0.54	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.6	0.91	Not Detected	Not Detected
Hexane	7.2	2.0	Not Detected	Not Detected
1,1-Dichloroethane	2.0	0.49	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.9	0.64	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.2	0.31	Not Detected	Not Detected
Chloroform	1.2	0.25	Not Detected	Not Detected
Cyclohexane	1.2	0.34	Not Detected	Not Detected
1,1,1-Trichloroethane	1.9	0.34	Not Detected	Not Detected
Carbon Tetrachloride	1.6	0.25	Not Detected	Not Detected
Benzene	2.2	0.69	Not Detected	Not Detected
1,2-Dichloroethane	0.92	0.23	Not Detected	Not Detected
Heptane	1.0	0.25	Not Detected	Not Detected
Trichloroethene	0.72	0.13	Not Detected	Not Detected
4-Methyl-2-pentanone	1.5	0.37	Not Detected	Not Detected
Toluene	0.56	0.15	Not Detected	Not Detected
1,1,2-Trichloroethane	0.72	0.13	Not Detected	Not Detected
Tetrachloroethene	0.44	0.066	Not Detected	Not Detected
Chlorobenzene	0.45	0.097	Not Detected	Not Detected
Ethyl Benzene	0.36	0.082	Not Detected	Not Detected
m,p-Xylene	0.38	0.087	Not Detected	Not Detected
o-Xylene	0.34	0.078	Not Detected	Not Detected
Styrene	0.33	0.078	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.34	0.049	Not Detected	Not Detected
Propylbenzene	0.25	0.051	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.22	0.044	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.19	0.039	Not Detected	Not Detected
1,3-Dichlorobenzene	0.19	0.031	Not Detected	Not Detected
1,4-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
1,2-Dichlorobenzene	0.16	0.027	Not Detected	Not Detected
Naphthalene	0.093	0.018	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: TRIP BLANK B1

Lab ID#: 1105031A-14A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051926sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 5/19/11 08:01 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	107	70-130

						CONCENTRATIONS			
		QUANT		SIG		ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ug/mL)	(ug)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.							
21 Heptane	71	Compound Not Detected.							
22 Trichloroethene	130	Compound Not Detected.							
25 4-Methyl-2-pentanone	85	Compound Not Detected.							
\$ 26 Toluene-d8	98	9.434	9.435	(0.973)			394132	5.34723	5.34723
28 Toluene-CCC	92	Compound Not Detected.							
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)			406652	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.							
31 Tetrachloroethene	164	Compound Not Detected.							
32 Chlorobenzene	112	Compound Not Detected.							
33 Ethylbenzene-CCC	106	Compound Not Detected.							
34 m,p-Xylene	106	Compound Not Detected.							
36 o-Xylene	106	Compound Not Detected.							
37 Styrene	104	Compound Not Detected.							
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.							
40 Propylbenzene	91	Compound Not Detected.							
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
44 1,3-Dichlorobenzene	146	Compound Not Detected.							
45 1,4-Dichlorobenzene	146	Compound Not Detected.							
46 1,2-Dichlorobenzene	146	Compound Not Detected.							
49 Naphthalene	128	Compound Not Detected.							

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.iCalibration Date: 19-MAY-2011
Lab File ID: 10051926sim.dCalibration Time: 16:00
Lab Smp Id: 1105031A-14A
Analysis Type: SVLevel: MED
Quant Type: ISTDSample Type: AIR
Operator: LZ
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m
Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	406652	3.44

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011a
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A-14A	
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File: LCS-CMR130.spk	Quant Type: ISTD
Sublist File: fullnosp.sub	
Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.34723	106.94	70-130

Data File: /chem/msd10.i/19May2011a.b/10051926sim.d

Date : 19-May-2011 20:01

Client ID:

Sample Info: #1105031A-14A;

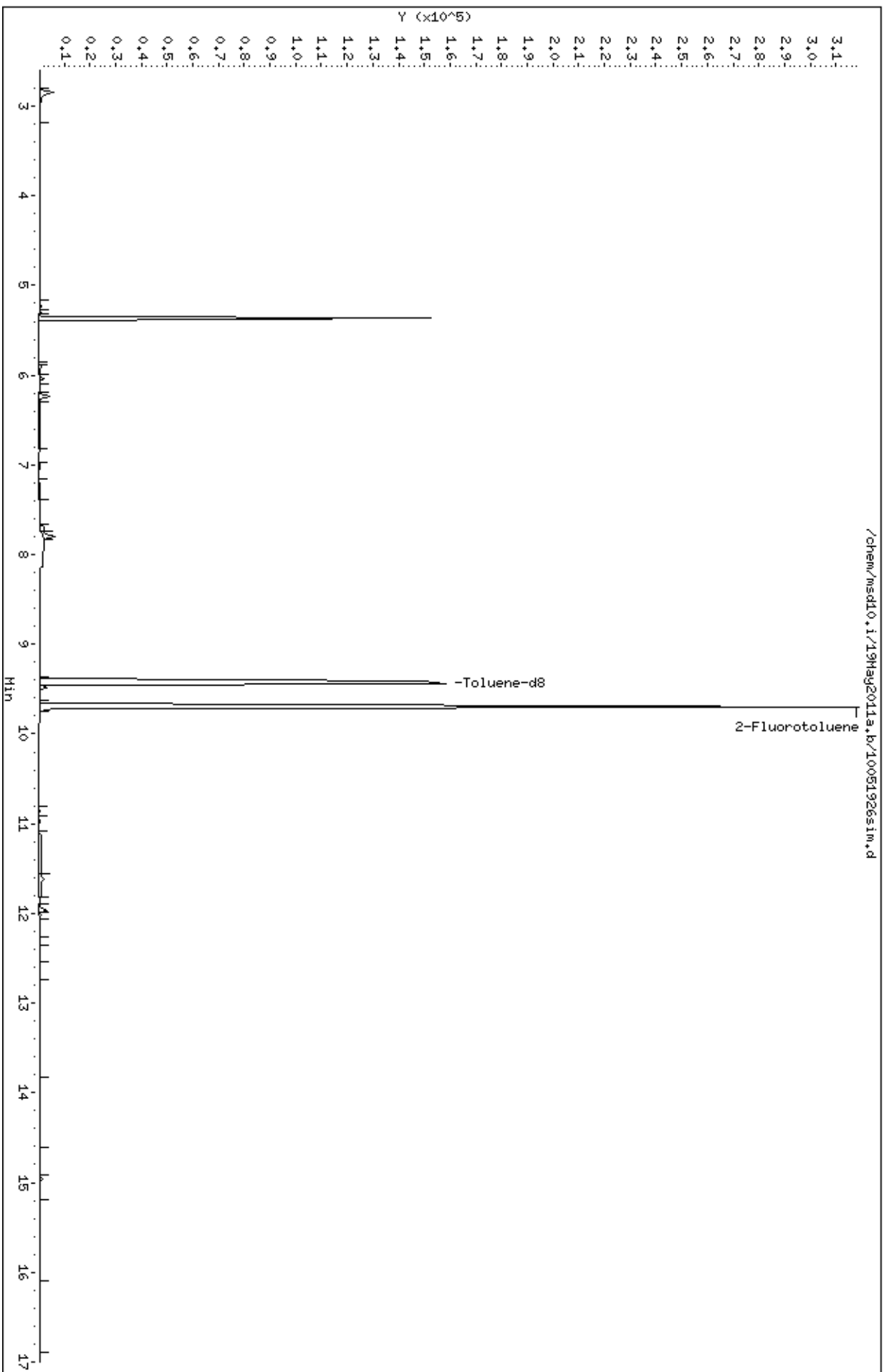
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



QC Results and Raw Data

Client Sample ID: Lab Blank

Lab ID#: 1105031A-15A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051913sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/19/11 02:54 PM
		Date of Extraction: 5/19/11

Compound	Rpt. Limit (ug/m3)	Rpt. Limit (ppbv)	Amount (ug/m3)	Amount (ppbv)
Chloromethane	21	10	Not Detected	Not Detected
Vinyl Chloride	20	7.7	Not Detected	Not Detected
1,1-Dichloroethene	12	2.9	Not Detected	Not Detected
Acetone	14	6.1	Not Detected	Not Detected
Methyl tert-butyl ether	1.9	0.54	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.6	0.91	Not Detected	Not Detected
Hexane	7.2	2.0	Not Detected	Not Detected
1,1-Dichloroethane	2.0	0.49	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.9	0.64	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.2	0.31	Not Detected	Not Detected
Chloroform	1.2	0.25	Not Detected	Not Detected
Cyclohexane	1.2	0.34	Not Detected	Not Detected
1,1,1-Trichloroethane	1.9	0.34	Not Detected	Not Detected
Carbon Tetrachloride	1.6	0.25	Not Detected	Not Detected
Benzene	2.2	0.69	Not Detected	Not Detected
1,2-Dichloroethane	0.92	0.23	Not Detected	Not Detected
Heptane	1.0	0.25	Not Detected	Not Detected
Trichloroethene	0.72	0.13	Not Detected	Not Detected
4-Methyl-2-pentanone	1.5	0.37	Not Detected	Not Detected
Toluene	0.56	0.15	Not Detected	Not Detected
1,1,2-Trichloroethane	0.72	0.13	Not Detected	Not Detected
Tetrachloroethene	0.44	0.066	Not Detected	Not Detected
Chlorobenzene	0.45	0.097	Not Detected	Not Detected
Ethyl Benzene	0.36	0.082	Not Detected	Not Detected
m,p-Xylene	0.38	0.087	Not Detected	Not Detected
o-Xylene	0.34	0.078	Not Detected	Not Detected
Styrene	0.33	0.078	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.34	0.049	Not Detected	Not Detected
Propylbenzene	0.25	0.051	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.22	0.044	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.19	0.039	Not Detected	Not Detected
1,3-Dichlorobenzene	0.19	0.031	Not Detected	Not Detected
1,4-Dichlorobenzene	0.18	0.030	Not Detected	Not Detected
1,2-Dichlorobenzene	0.16	0.027	Not Detected	Not Detected
Naphthalene	0.093	0.018	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Container Type: WMS-SE

Client Sample ID: Lab Blank

Lab ID#: 1105031A-15A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051913sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 5/19/11 02:54 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011.b/10051913sim.d

Lab Smp Id: 1105031AClient Smp ID: Lab Blank

Inj Date : 19-MAY-2011 14:54

Operator : LZInst ID: msd10.i

Smp Info : ;1105031A;Lab Blank

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Meth Date : 19-May-2011 14:09 l ZhangQuant Type: ISTD

Cal Date : 17-MAY-2011 15:03Cal File: 10051710sim.d

Als bottle: 9

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: fullnosp.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd VariableLocal Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ug/mL)	(ug)
1 Chloromethane	50	Compound Not Detected.					
2 Vinyl Chloride	62	Compound Not Detected.					
3 Ethanol	45	Compound Not Detected.					
4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
5 Acetone	58	Compound Not Detected.					
7 MTBE	73	Compound Not Detected.					
8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
9 Hexane	57	Compound Not Detected.					
11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
13 2-Butanone	72	Compound Not Detected.					
14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
15 Chloroform-CCC	83	Compound Not Detected.					
16 Cyclohexane	84	Compound Not Detected.					
17 1,1,1-Trichloroethane	97	Compound Not Detected.					
18 Carbon Tetrachloride	117	Compound Not Detected.					
19 Benzene	78	Compound Not Detected.					

						CONCENTRATIONS			
		QUANT		SIG		ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ug/mL)	(ug)
=====	====	==	=====	=====	=====	=====	=====	=====	=====
20 1,2-Dichloroethane	62	Compound Not Detected.							
21 Heptane	71	Compound Not Detected.							
22 Trichloroethene	130	Compound Not Detected.							
25 4-Methyl-2-pentanone	85	Compound Not Detected.							
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)			347366	5.18350	5.18350
28 Toluene-CCC	92	Compound Not Detected.							
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)			369721	5.00000	
30 1,1,2-Trichloroethane	97	Compound Not Detected.							
31 Tetrachloroethene	164	Compound Not Detected.							
32 Chlorobenzene	112	Compound Not Detected.							
33 Ethylbenzene-CCC	106	Compound Not Detected.							
34 m,p-Xylene	106	Compound Not Detected.							
36 o-Xylene	106	Compound Not Detected.							
37 Styrene	104	Compound Not Detected.							
39 1,1,2,2-Tetrachloroethane-SPC	83	Compound Not Detected.							
40 Propylbenzene	91	Compound Not Detected.							
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
44 1,3-Dichlorobenzene	146	Compound Not Detected.							
45 1,4-Dichlorobenzene	146	Compound Not Detected.							
46 1,2-Dichlorobenzene	146	Compound Not Detected.							
49 Naphthalene	128	Compound Not Detected.							

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051913sim.d

Calibration Time: 09:35

Lab Smp Id: 1105031A

Client Smp ID: Lab Blank

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	385421	192710	770842	369721	-4.07

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:Client SDG: 19May2011

Sample Matrix: GASFraction: SV

Lab Smp Id: 1105031AClient Smp ID: Lab Blank

Level: MEDOperator: LZ

Data Type: MS DATASampleType: SAMPLE

SpikeList File: LCS-CMR130.spkQuant Type: ISTD

Sublist File: fullnosp.sub

Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.18350	103.67	70-130

Data File: /chem/msd10.i/19May2011.b/10051913sim.d

Date : 19-May-2011 14:54

Client ID: Lab Blank

Sample Info: #11050319;Lab Blank

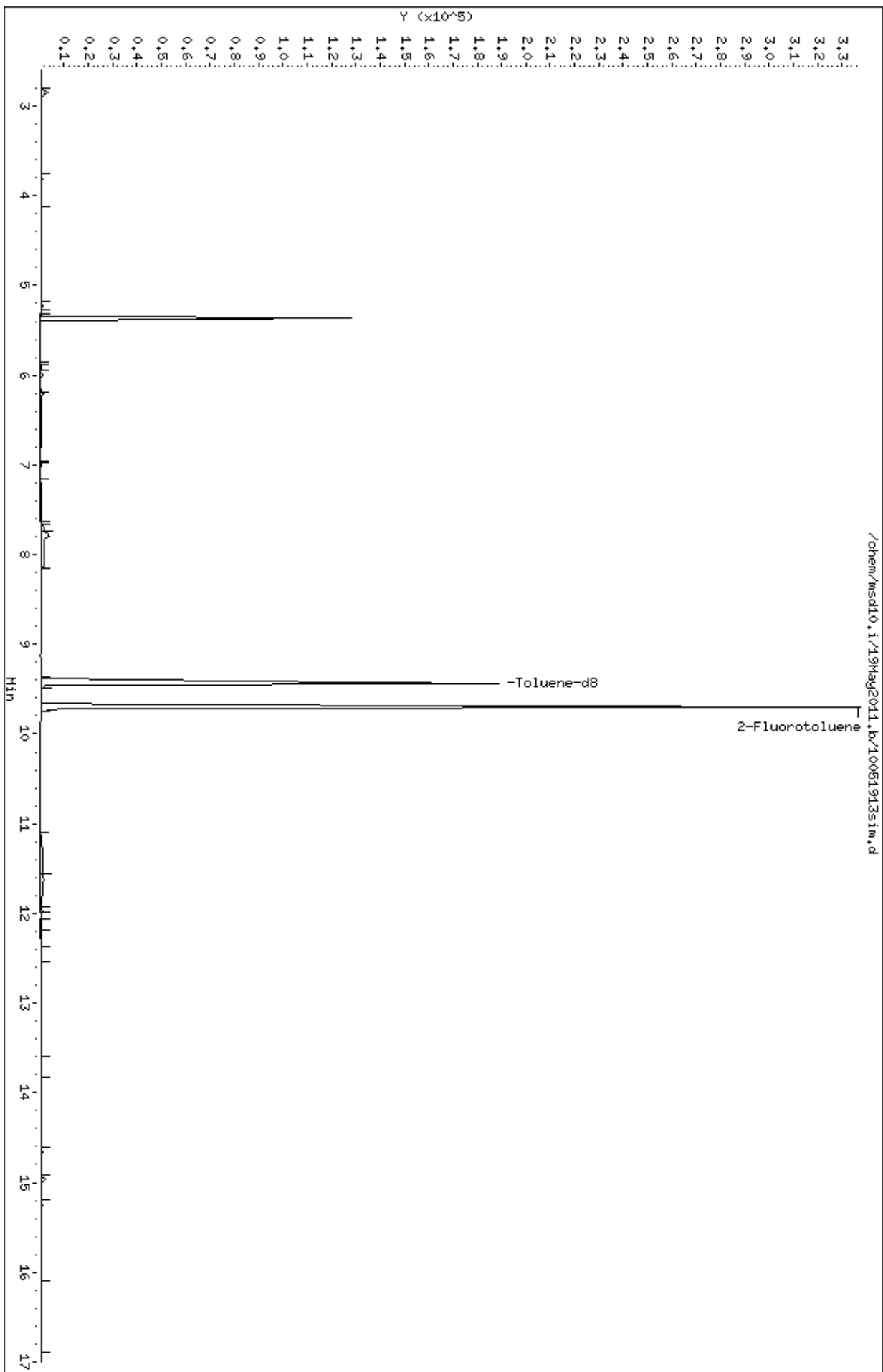
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



LEVEL-IV VALIDATABLE

VOC BY PASSIVE SAMPLER - GC/MS

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 1105031A

CLIENT SAMPLE NO.	SURROGATE % RECOVERY							
	Toluene-d8	#		#		#		TOTAL OUT
01	IA-SL118	104						0
02	PSS-SL118	102						0
03	IA-SL022	104						0
04	IA-SL084	105						0
05	HPV-118-1	106						0
06	PSS-SL084	102						0
07	HPV-084-1	102						0
08	PSS-SL022	102						0
09	HPV-022-1	105						0
10	TRIP BLANK A1	102						0
11	TRIP BLANK B1	107						0
12	Lab Blank	104						0
13	LCS	102						0
14	LCSD	103						0
15								0
16								0
17								0
18								0
19								0
20								0
21								0
22								0
23								0
24								0

Surrogate Recovery Limits
Toluene-d8 70 - 130

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Passive S.E. WMS

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
 Lab File ID: 10051902sim.d
 Instrument ID: msd10.i

SDG No: 1105031A
 Date Analyzed: 05/19/2011
 Time Analyzed: 09:35 AM

	2-Fluorotoluene		RT			RT					
	Area	#	#		#	#					
24-HOUR STD	385421		9.70								
UPPER LIMIT	770842		10.20								
LOWER LIMIT	192710		9.20								
CLIENT SAMPLE NO											
01 Lab Blank	369721		9.70								
02 LCS	324401		9.70								
03 LCSD	365836		9.70								
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

'Area Upper Limit=+100% of internal standard area'
 'Area Lower Limit=-50% of internal standard area'

RT Upper Limit=+0.50 minutes of internal standard RT
 RT Lower Limit=-0.50 minutes of internal standard RT

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Passive S.E. WMS

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD

SDG No: 1105031A

Lab File ID: 10051916sim.d

Date Analyzed: 05/19/2011

Instrument ID: msd10.i

Time Analyzed: 04:00 PM

	2-Fluorotoluene Area	#	RT	#		#	RT	#			
	24-HOUR STD	393119	9.70								
	UPPER LIMIT	786238	10.20								
	LOWER LIMIT	196560	9.20								
	CLIENT SAMPLE NO										
01	IA-SL118	363335	9.70								
02	PSS-SL118	373115	9.70								
03	IA-SL022	373562	9.70								
04	IA-SL084	382495	9.70								
05	HPV-118-1	400750	9.70								
06	PSS-SL084	393870	9.70								
07	HPV-084-1	331104	9.70								
08	PSS-SL022	337899	9.70								
09	HPV-022-1	354409	9.70								
10	TRIP BLANK A1	379616	9.70								
11	TRIP BLANK B1	406652	9.70								
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

'Area Upper Limit=+100% of internal standard area'
'Area Lower Limit=-50% of internal standard area'

RT Upper Limit=+0.50 minutes of internal standard RT
RT Lower Limit=-0.50 minutes of internal standard RT

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Passive S.E. WMS

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
 Lab File ID: 10052011sim.d
 Instrument ID: msd10.i

SDG No: 1105031A
 Date Analyzed: 05/20/2011
 Time Analyzed: 09:12 AM

	2-Fluorotoluene Area	#	RT	#		#	RT	#			
	24-HOUR STD	304814		9.70							
	UPPER LIMIT	609628		10.20							
	LOWER LIMIT	152407		9.20							
	CLIENT SAMPLE NO										
01	PSS-SL084	353517		9.70							
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

'Area Upper Limit=+100% of internal standard area'
 'Area Lower Limit=-50% of internal standard area'

RT Upper Limit=+0.50 minutes of internal standard RT
 RT Lower Limit=-0.50 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 10051907sim.d & 10051906sim.d

Lab Sample ID: &

Dilution: 1.00 & 1.00

Client Sample ID: LCS & LCSD

Date Analyzed: 5/19/11 & 5/19/11

CAS Number	Compound	Original		Duplicate		RPD	Result Less Than 5X RL
		Amount	Flags	Amount	Flags		
71-55-6	1,1,1-Trichloroethane	107		99		7.8	
79-34-5	1,1,2,2-Tetrachloroethane	98		96		2.1	
79-00-5	1,1,2-Trichloroethane	106		106		0	
75-34-3	1,1-Dichloroethane	104		98		5.9	
75-35-4	1,1-Dichloroethene	96		98		2.1	
95-63-6	1,2,4-Trimethylbenzene	106		106		0	
95-50-1	1,2-Dichlorobenzene	83		80		3.7	
107-06-2	1,2-Dichloroethane	100		106		5.8	
108-67-8	1,3,5-Trimethylbenzene	110		110		0	
541-73-1	1,3-Dichlorobenzene	87		85		2.3	
106-46-7	1,4-Dichlorobenzene	88		86		2.3	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	96		96		0	
108-10-1	4-Methyl-2-pentanone	116		114		1.7	
67-64-1	Acetone	76		77		1.3	
71-43-2	Benzene	87		87		0	
56-23-5	Carbon Tetrachloride	102		111		8.4	
108-90-7	Chlorobenzene	100		99		1.0	
67-66-3	Chloroform	108		112		3.6	
74-87-3	Chloromethane	241		220		9.1	
156-59-2	cis-1,2-Dichloroethene	97		101		4.0	
110-82-7	Cyclohexane	111		116		4.4	
100-41-4	Ethyl Benzene	108		108		0	
142-82-5	Heptane	107		111		3.7	
110-54-3	Hexane	120		92		-->26<--	
108-38-3	m,p-Xylene	108		107		0.93	
1634-04-4	Methyl tert-butyl ether	105		104		0.96	
91-20-3	Naphthalene	36		31		15	
95-47-6	o-Xylene	96		94		2.1	
103-65-1	Propylbenzene	113		112		0.89	
100-42-5	Styrene	86		86		0	
127-18-4	Tetrachloroethene	105		105		0	
108-88-3	Toluene	106		104		1.9	
156-60-5	trans-1,2-Dichloroethene	98		104		5.9	
79-01-6	Trichloroethene	108		108		0	
75-01-4	Vinyl Chloride	80		77		3.8	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 12:58
End Cal Date : 17-MAY-2011 17:43
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Cal Date : 18-May-2011 11:30 lzhang
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd10.i/17May2011.b/10051705sim.d
Level 2: /chem/msd10.i/17May2011.b/10051706sim.d
Level 3: /chem/msd10.i/17May2011.b/10051707sim.d
Level 4: /chem/msd10.i/17May2011.b/10051708sim.d
Level 5: /chem/msd10.i/17May2011.b/10051709sim.d
Level 6: /chem/msd10.i/17May2011.b/10051710sim.d
Level 7: /chem/msd10.i/17May2011.b/10051711sim.d
Level 8: /chem/msd10.i/17May2011.b/10051713sim.d
Level 9: /chem/msd10.i/17May2011.b/10051714sim.d
Level 10: /chem/msd10.i/17May2011.b/10051717sim.d

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	5.000 Level 6	RRF	% RSD
	20.000	50.000	100.000	200.000				
	Level 7	Level 8	Level 9	Level 10				
1 Chloromethane	+++++	0.03966	0.03682	0.03427	0.03518	0.02784		
	0.03004	0.04587	+++++	+++++			0.03567	16.838
2 Vinyl Chloride	+++++	0.15541	0.14176	0.13632	0.14151	0.12880		
	0.12646	0.11944	0.14821	+++++			0.13724	8.683
3 Ethanol	+++++	0.09246	0.08569	0.07677	0.07796	0.07224		
	0.08977	0.06645	0.08313	+++++			0.08056	10.989
4 1,1-Dichloroethene-CCC	+++++	0.16926	0.16495	0.17492	0.16792	0.14785		
	0.16025	0.13565	0.16383	0.14986			0.15939	7.844
5 Acetone	+++++	0.13414	0.13522	0.11135	0.11435	0.10222		
	0.11465	0.09297	0.11741	0.10842			0.11453	11.896
6 2-Propanol	+++++	+++++	0.17193	0.12728	0.14791	0.11415		
	0.13408	0.10749	0.13266	0.16302			0.13731	16.355

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 12:58
 End Cal Date : 17-MAY-2011 17:43
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
 Cal Date : 18-May-2011 11:30 lzhang
 Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	5.000 Level 6	— RRF	% RSD
	-----	-----	-----	-----	-----	-----		
	20.000	50.000	100.000	200.000				
	Level 7	Level 8	Level 9	Level 10				
=====	=====	=====	=====	=====	=====	=====	=====	=====
7 MTBE	0.71543	0.72961	0.69624	0.62824	0.67923	0.59441		
	0.66072	0.55430	0.66956	0.68821			0.66159	8.271
-----	-----	-----	-----	-----	-----	-----	-----	-----
8 trans-1,2-Dichloroethene	+++++	0.21059	0.20842	0.19600	0.19808	0.18575		
	0.18806	0.17140	0.20222	0.19312			0.19485	6.233
-----	-----	-----	-----	-----	-----	-----	-----	-----
9 Hexane	0.47115	0.46562	0.34023	0.38325	0.34896	0.33415		
	0.42763	0.39014	0.40384	0.42597			0.39909	12.305
-----	-----	-----	-----	-----	-----	-----	-----	-----
10 Halothane	0.09235	0.13940	0.12316	0.11197	0.11697	0.10313		
	0.11368	0.09949	0.11954	0.11321			0.11329	11.643
-----	-----	-----	-----	-----	-----	-----	-----	-----
11 1,1-Dichloroethane-SPCC	0.35344	0.42537	0.38413	0.33943	0.36362	0.34259		
	0.34681	0.30744	0.34878	0.35085			0.35625	8.699
-----	-----	-----	-----	-----	-----	-----	-----	-----
12 Ethyl Acetate	+++++	0.07956	0.06882	0.06435	0.06332	0.05579		
	0.06486	0.05643	0.07003	0.06867			0.06576	11.040
-----	-----	-----	-----	-----	-----	-----	-----	-----
13 2-Butanone	0.15905	0.15194	0.14197	0.14034	0.14402	0.13589		
	0.15727	0.13421	0.17144	0.17044			0.15066	8.997
-----	-----	-----	-----	-----	-----	-----	-----	-----
14 cis-1,2-Dichloroethene	0.20921	0.21884	0.23599	0.21475	0.22237	0.19590		
	0.21370	0.19034	0.23225	0.24251			0.21759	7.668
-----	-----	-----	-----	-----	-----	-----	-----	-----
15 Chloroform-CCC	0.31410	0.42740	0.39564	0.39146	0.38624	0.35051		
	0.40954	0.29034	0.43258	0.35150			0.37493	12.606
-----	-----	-----	-----	-----	-----	-----	-----	-----
16 Cyclohexane	0.40417	0.44866	0.45993	0.43783	0.44373	0.40400		
	0.47057	0.35786	0.55996	0.49428			0.44810	12.321
-----	-----	-----	-----	-----	-----	-----	-----	-----

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 12:58
End Cal Date : 17-MAY-2011 17:43
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Cal Date : 18-May-2011 11:30 l Zhang
Curve Type : Average

Compound	0.05000	0.10000	0.20000	0.50000	1.000	5.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	-----	-----	-----	-----	-----	-----		
	20.000	50.000	100.000	200.000				
	Level 7	Level 8	Level 9	Level 10				
=====	=====	=====	=====	=====	=====	=====	=====	=====
28 Toluene-CCC	0.80293	0.70429	0.67819	0.64822	0.69363	0.64861		
	0.73525	0.68472	0.75995	+++++			0.70620	7.285
-----	-----	-----	-----	-----	-----	-----	-----	-----
30 1,1,2-Trichloroethane	0.24712	0.23950	0.22291	0.21989	0.22898	0.21558		
	0.24001	0.22098	0.24261	0.25786			0.23354	5.946
-----	-----	-----	-----	-----	-----	-----	-----	-----
31 Tetrachloroethene	0.20522	0.20450	0.19955	0.19989	0.20761	0.19673		
	0.21149	0.20267	0.22745	0.25072			0.21058	7.853
-----	-----	-----	-----	-----	-----	-----	-----	-----
32 Chlorobenzene	0.78155	0.76927	0.74214	0.74159	0.78127	0.75141		
	0.82689	0.81273	0.90118	+++++			0.78978	6.478
-----	-----	-----	-----	-----	-----	-----	-----	-----
33 Ethylbenzene-CCC	0.38451	0.39359	0.38045	0.38816	0.40681	0.39633		
	0.44921	0.44007	0.50726	0.59337			0.43398	15.787
-----	-----	-----	-----	-----	-----	-----	-----	-----
34 m,p-Xylene	0.46175	0.47034	0.46620	0.47406	0.50720	0.49762		
	0.57650	0.58029	0.69791	+++++			0.52576	14.993
-----	-----	-----	-----	-----	-----	-----	-----	-----
35 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++	+++++			+++++	+++++
-----	-----	-----	-----	-----	-----	-----	-----	-----
36 o-Xylene	0.48256	0.45475	0.46220	0.50161	0.49579	0.50277		
	0.57986	0.61093	0.76025	+++++			0.53897	18.150
-----	-----	-----	-----	-----	-----	-----	-----	-----
37 Styrene	0.57263	0.59619	0.55503	0.53848	0.62358	0.62911		
	0.78408	0.75233	0.89133	+++++			0.66030	18.331
-----	-----	-----	-----	-----	-----	-----	-----	-----
38 a-Pinene	0.53130	0.51472	0.51259	0.57337	0.58946	0.60849		
	0.69267	0.72089	0.81719	+++++			0.61785	16.978
-----	-----	-----	-----	-----	-----	-----	-----	-----

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Start Cal Date      : 17-MAY-2011 12:58
End Cal Date       : 17-MAY-2011 17:43
Quant Method       : ISTD
Origin             : Disabled
Target Version     : 3.50
Integrator         : HP RTE
Method file        : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Cal Date           : 18-May-2011 11:30 lzhang
Curve Type         : Average

```

		0.05000	0.10000	0.20000	0.50000	1.000	5.000	—		
Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD	
		-----	-----	-----	-----	-----	-----			
		20.000	50.000	100.000	200.000					
		Level 7	Level 8	Level 9	Level 10					
=====										
39	1,1,2,2-Tetrachloroethane-SPC	0.45576	0.40458	0.40321	0.42350	0.43674	0.45719			
		0.51378	0.51798	0.57464	0.70329			0.48907	19.076	

40	Propylbenzene	1.78828	1.51465	1.46261	1.55357	1.61166	1.56702			
		1.81077	1.86825	++++	++++			1.64710	9.282	

41	1,3,5-Trimethylbenzene	0.99675	0.95478	0.96316	1.05183	1.08033	1.09850			
		1.28867	1.36991	1.39505	++++			1.13322	15.245	

42	1,2,4-Trimethylbenzene	0.75562	0.82386	0.78577	0.78650	0.87570	0.87847			
		1.00616	1.00706	1.12747	++++			0.89407	14.136	

43	R-(+)-Limonene	++++	++++	++++	0.33247	0.38419	0.47598			
		0.58321	0.62424	0.68828	++++			0.51473	27.277	

44	1,3-Dichlorobenzene	0.67467	0.66260	0.65023	0.66402	0.68989	0.69119			
		0.77738	0.82644	0.89327	1.01643			0.75461	16.268	

45	1,4-Dichlorobenzene	0.57548	0.59953	0.57384	0.56511	0.60722	0.60947			
		0.65732	0.67534	0.69164	0.75683			0.63118	9.863	

46	1,2-Dichlorobenzene	0.53586	0.54172	0.51588	0.51556	0.54858	0.54360			
		0.58407	0.60150	0.61938	0.71382			0.57200	10.632	

47	1,4-Dithiane	++++	++++	++++	++++	++++	++++			
		++++	++++	++++	++++			++++	++++	<—

48	1,2,4-Trichlorobenzene	0.38451	0.39073	0.37342	0.38035	0.40230	0.41035			
		0.46200	0.50564	0.51910	0.65068			0.44791	19.775	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 12:58
End Cal Date : 17-MAY-2011 17:43
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Cal Date : 18-May-2011 11:30 lzhang
Curve Type : Average

Average %RSD Results.	
=====	
Calculated Average %RSD =	12.6803941
Maximun Average %RSD =	30
* Passed Average %RSD Test.	

Calibration History

Method : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Start Cal Date: 17-MAY-2011 12:58
End Cal Date : 17-MAY-2011 17:43

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
17-MAY-2011 12:58	0.05-47	/chem/msd10.i/17May2011.b/10051705sim.d
Cal Level: 2 , Cal Amount: 0.10000		
17-MAY-2011 13:20	0.1-47	/chem/msd10.i/17May2011.b/10051706sim.d
Cal Level: 3 , Cal Amount: 0.20000		
17-MAY-2011 13:43	all-2cve-47	/chem/msd10.i/17May2011.b/10051707sim.d
Cal Level: 4 , Cal Amount: 0.50000		
17-MAY-2011 14:14	all-2cve-47	/chem/msd10.i/17May2011.b/10051708sim.d
Cal Level: 5 , Cal Amount: 1.00000		
17-MAY-2011 14:41	all-2cve-47	/chem/msd10.i/17May2011.b/10051709sim.d
Cal Level: 6 , Cal Amount: 5.00000		
17-MAY-2011 15:03	all-2cve-47	/chem/msd10.i/17May2011.b/10051710sim.d
Cal Level: 7 , Cal Amount: 20.00000		
17-MAY-2011 15:27	all-2cve-47	/chem/msd10.i/17May2011.b/10051711sim.d
Cal Level: 8 , Cal Amount: 50.00000		
17-MAY-2011 16:12	cm-su	/chem/msd10.i/17May2011.b/10051713sim.d
17-MAY-2011 15:50	all-2cvecm47	/chem/msd10.i/17May2011.b/10051712sim.d

```
+-----+-----+-----+
| Cal Level: 9 , Cal Amount: 100.00000 |
+=====+
| 17-MAY-2011 16:36 | 100-47 | /chem/msd10.i/17May2011.b/10051714sim.d |
+-----+-----+-----+
```

```
+-----+-----+-----+
| Cal Level: 10, Cal Amount: 200.00000 |
+=====+
| 17-MAY-2011 17:43 | 200-47 | /chem/msd10.i/17May2011.b/10051717sim.d |
+-----+-----+-----+
```

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 6

```
+-----+-----+-----+
| Ccal Level: 6 , Ccal Amount: 5.00000 |
+=====+
| 17-MAY-2011 15:03 | all-2cve-47 | /chem/msd10.i/17May2011.b/10051710sim.d |
+-----+-----+-----+
| Ccal Level: 6 , Ccal Amount: 5.00000 |
+=====+
| 17-MAY-2011 15:03 | all-2cve-47 | /chem/msd10.i/17May2011.b/10051710sima.d |
+-----+-----+-----+
```

BFB Injection Date: 5/17/11
 BFB Injection Time: 1030
 BFB File ID: 10051701

IS/S Std. #: 1869-121E-125 Exp. Date: 4/6/11
 2-Fluorotoluene sim 407864

Verified CCV IS vs ICAL mid-point (-50% to +100% D) li

Calculation Check:

$$\mu\text{g/L of compound} = \frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \frac{\text{Conc.}_{\text{std}}}{\text{RRF}} \times \text{DF} = \frac{(89628)}{(407864)} \times \frac{(5.0)}{(0.24170)} \times 1 = 4.546$$

Reported Result 4.546

File ID: 100517031m4
 Compound: TCET
 Initials: li

Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
✓	10051701	1476-1562 BFB	1	1.00	5/17/11	1030	li	
✓	2	CS2 B/LC	2			1131		
✓	3	↓	2			1209		
×	4	1869-179-0.05-0.005	3			1232		TCET, PCET
✓	5	1869-179-0.05	4			1258		
✓	6	-0.10	5			1320		
✓	7	-0.20	6			1343		
✓	8	-0.50	7			1414		
✓	9	-1.0	8			1441		
✓	10	-5.0	9			1503		
✓	11	-20	10			1527		
✓	12	1869-179A-50	11			1550		
✓	13	1869-179B-50	12			1612		

Signed li Date 5/18/11

Reviewed gm Date 5/18/11

14	✓	10051714	1869-179-500→100	13	1.00	5/17/11	1636	h	20:100
15	X	15	→200	14			1659		Carbon Tech ↑ 40:100
16	X	16	1869-179-500	15			1721		Not used
17	✓	17	1869-179-800→200	16			1743		40:100
18	X	18	1869-180-5 1C✓	17			1805	↓	Light coupleds ↑
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									

Comments:

Signed [Signature]

Date 5/18/11

Reviewed [Signature]

Date 5/18/11

Logbook #: 2180

IS/S Std. #:	1867215-125	Exp. Date:	11/01/11
2-Fluorotoluene	51M	237377	

initials

File ID:	1005180351m
Compound:	PCZ
Initials:	W

Reported Result 4.770

5/18/11
Date

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 12:58
 End Cal Date : 17-MAY-2011 17:43
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
 Cal Date : 18-May-2011 11:22 lzhang
 Curve Type : Average

Please see Calibration History page(s)
for all the calibration files.

Calibration File Names:

Level 1: /chem/msd10.i/17May2011.b/10051705sim.d
 Level 2: /chem/msd10.i/17May2011.b/10051706sim.d
 Level 3: /chem/msd10.i/17May2011.b/10051707sim.d
 Level 4: /chem/msd10.i/17May2011.b/10051708sim.d
 Level 5: /chem/msd10.i/17May2011.b/10051709sim.d
 Level 6: /chem/msd10.i/17May2011.b/10051710sim.d
 Level 7: /chem/msd10.i/17May2011.b/10051711sim.d
 Level 8: /chem/msd10.i/17May2011.b/10051713sim.d
 Level 9: /chem/msd10.i/17May2011.b/10051714sim.d
 Level 10: /chem/msd10.i/17May2011.b/10051717sim.d

Compound	0.05000	0.10000	0.20000	0.50000	1.000	5.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	20.000	50.000	100.000	200.000				
	Level 7	Level 8	Level 9	Level 10				
1 Chloromethane	+++++	0.03966	0.03682	0.03427	0.03518	0.02784		
	0.03004	0.04587	+++++	+++++			0.03567	16.838
2 Vinyl Chloride	+++++	0.15541	0.14176	0.13632	0.14151	0.12880		
	0.12646	0.11944	0.14821	+++++			0.13724	8.683
3 Ethanol	+++++	0.09246	0.08569	0.07677	0.07796	0.07224		
	0.08977	0.06645	0.08313	+++++			0.08056	10.989
4 1,1-Dichloroethene-CCC	+++++	0.16926	0.16495	0.17492	0.16792	0.14785		
	0.16025	0.13565	0.16383	0.14986			0.15939	7.844
5 Acetone	+++++	0.13414	0.13522	0.11135	0.11435	0.10222		
	0.11465	0.09297	0.11741	0.10842			0.11453	11.896
6 2-Propanol	+++++	+++++	0.17193	0.12728	0.14791	0.11415		
	0.13408	0.10749	0.13266	0.16302			0.13731	16.355

CA 5/18/11

5/18/11

Initial Calibration Narrative

A 10 point initial calibration was analyzed on MSD-10 on 05/17/2011. The curve passed for SOP 100 requirements.

ICAL – none out, ICV – 2 out (file ID: 10051803sim, 1869-165-5)

All compounds were curved from 0.05ug/mL to 200ug/mL, but there are exceptions. Please refer to ICAL summary for calibration ranges each compound.

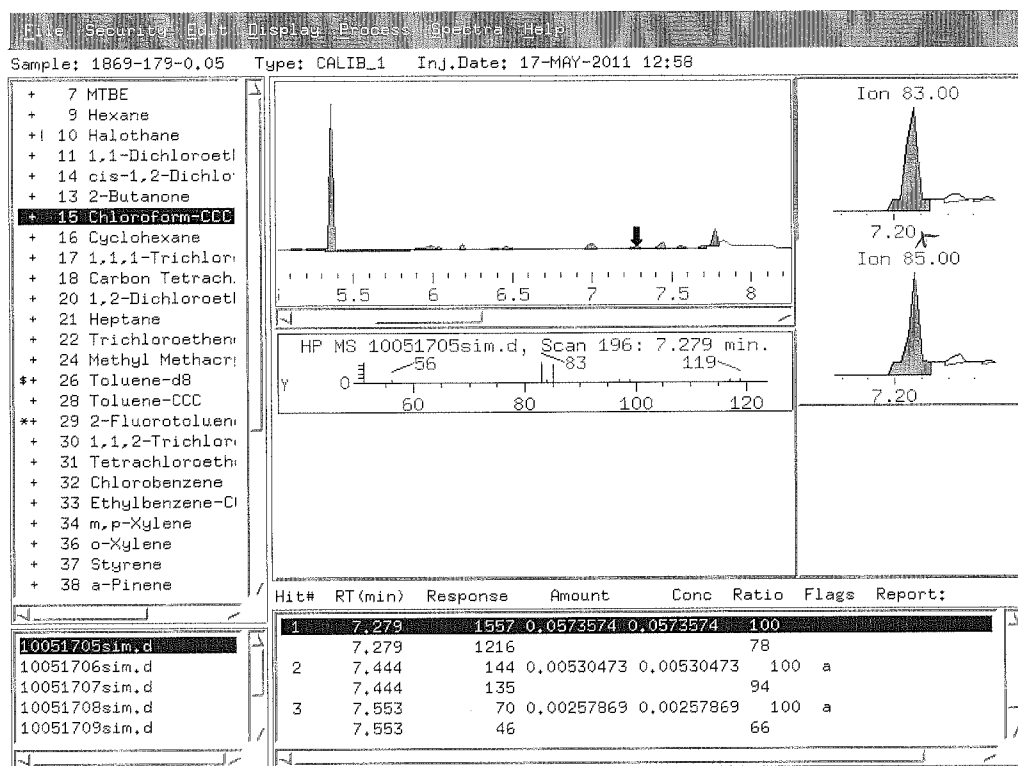
Unit: ug/mL

The analysis based on 2uL injection in slow mode

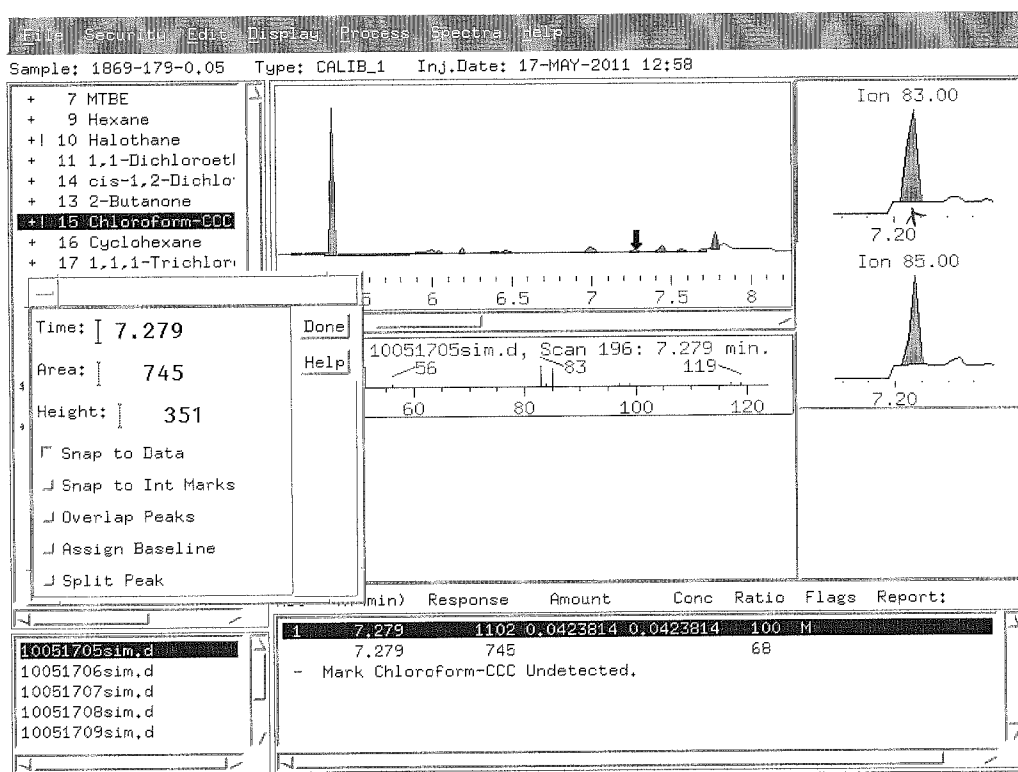
The MDL date: 9/30/10 for Chloromethane and 01/31/2011 for the rest of the analytes.

As noted on the accompanying analytical run logs, the following point calibration level 10 was re-analyzed due to:

- a. anomalous unacceptable linearity for Carbon Tetrachloride, Cyclohexane, and PCE.



Ref



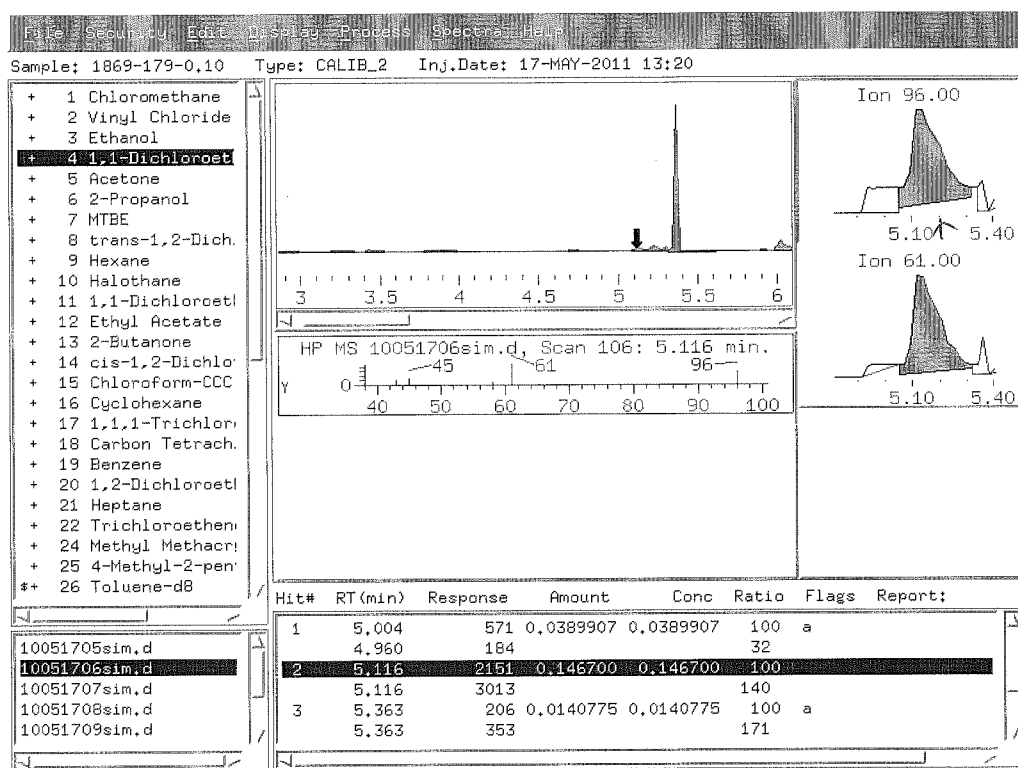
After

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Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

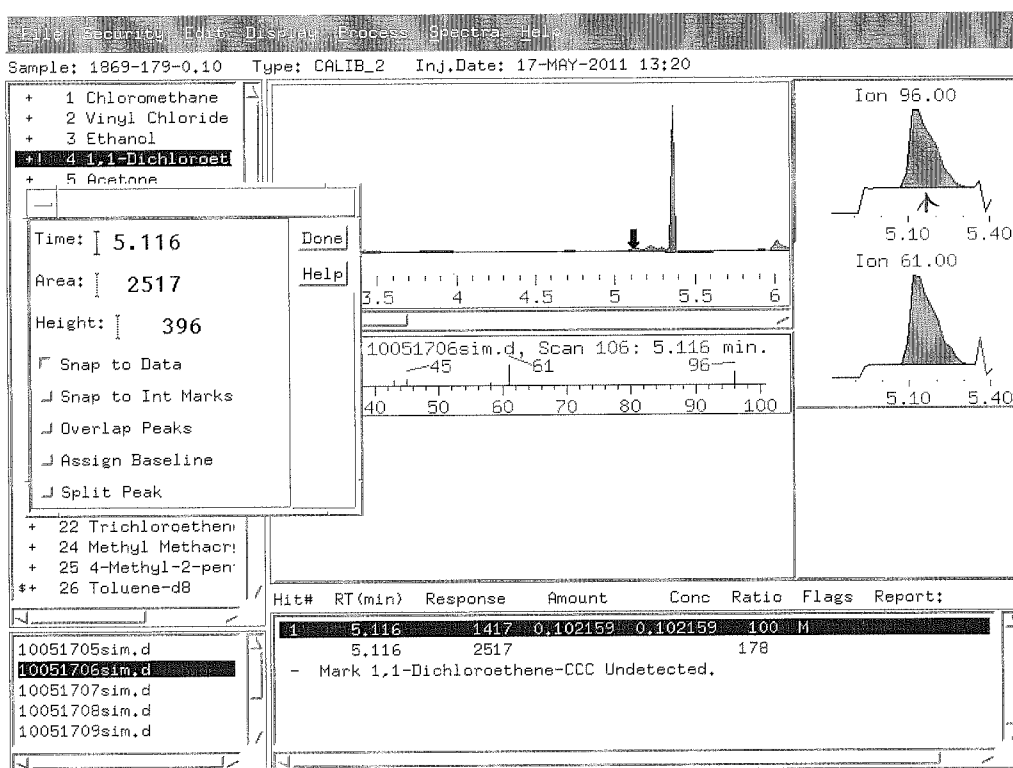
251811

SS

5/18/10



Ref

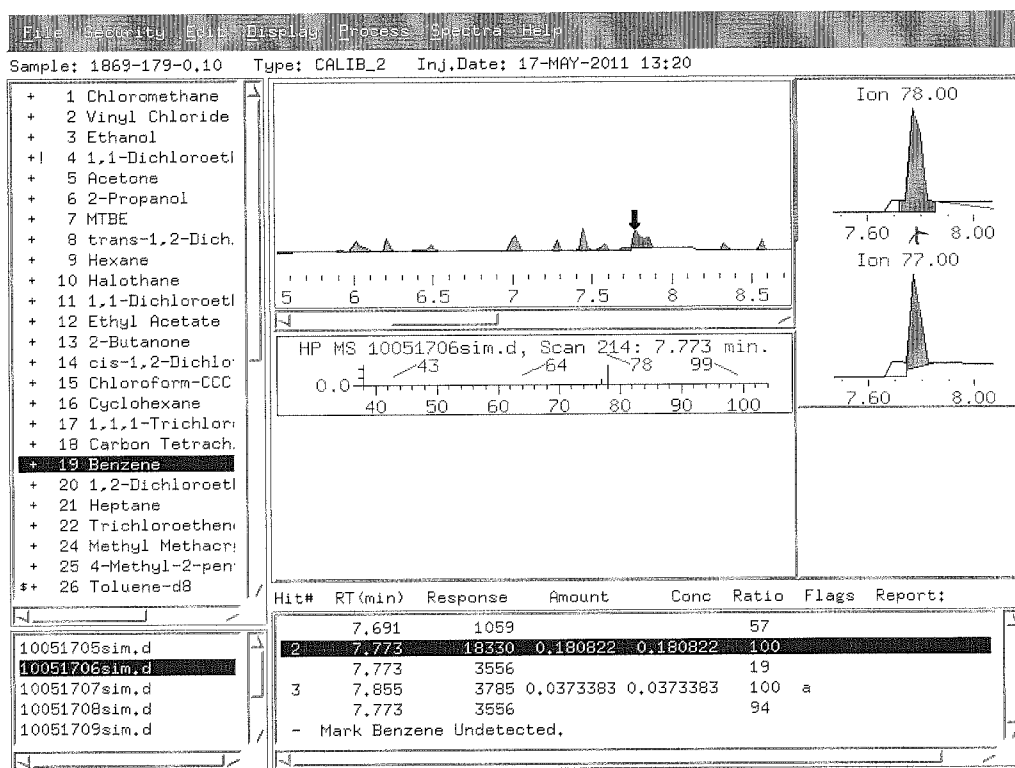


After

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Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/5/18/11

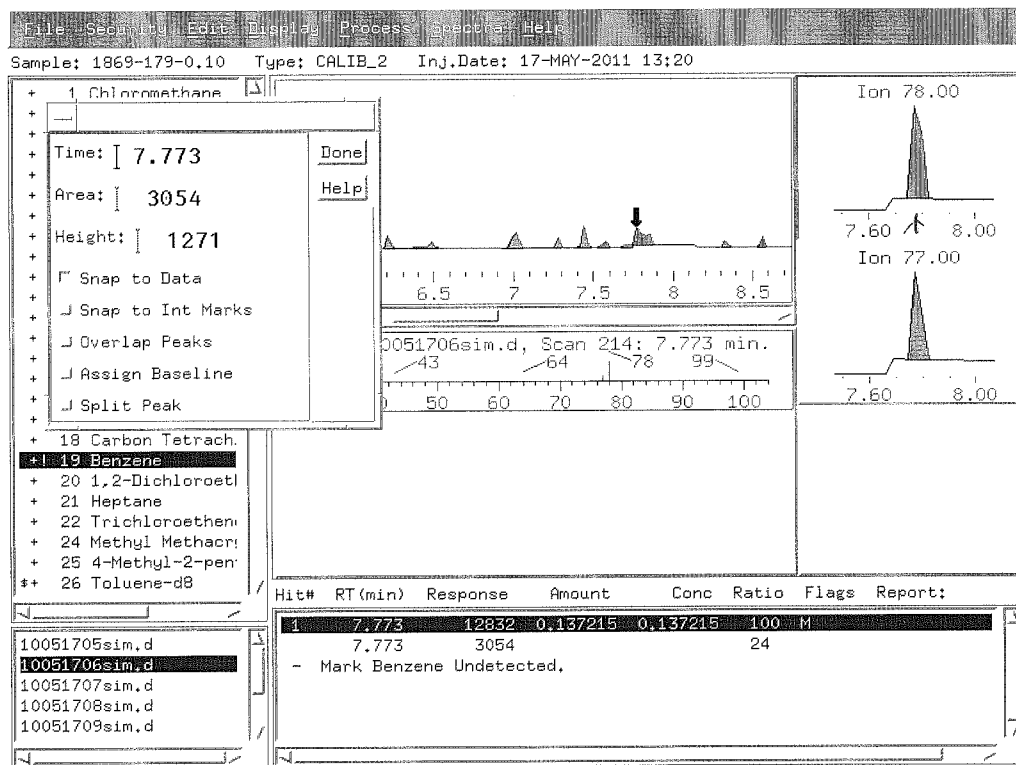
55 5/18/11



Before

Before

6/5/11

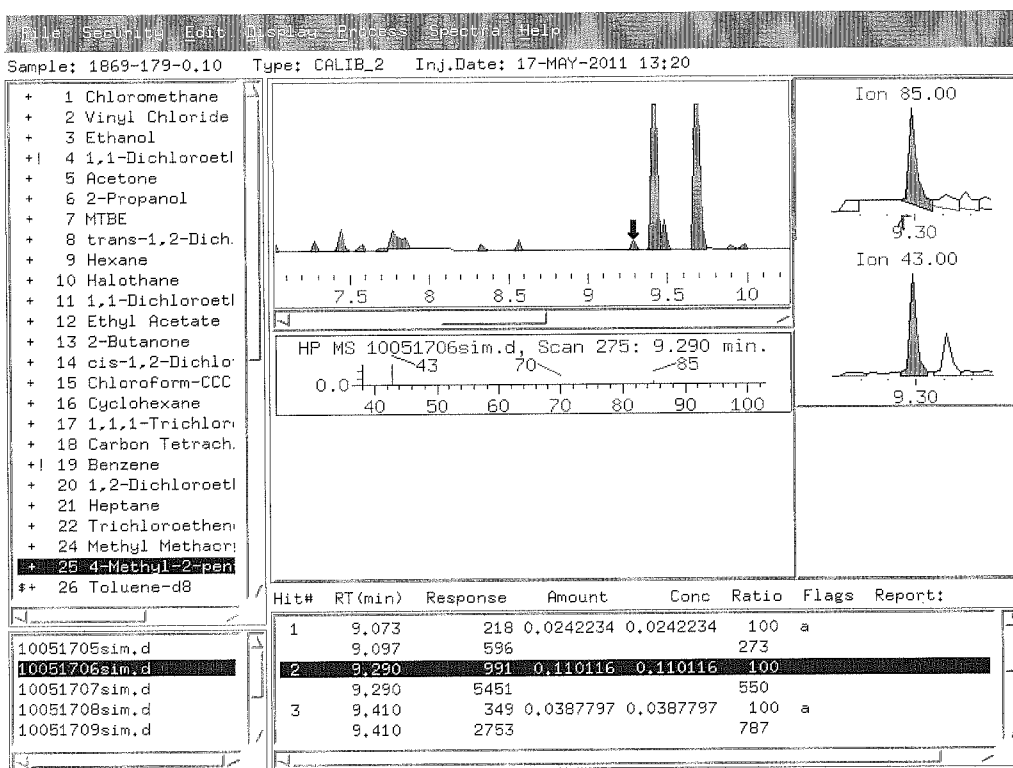


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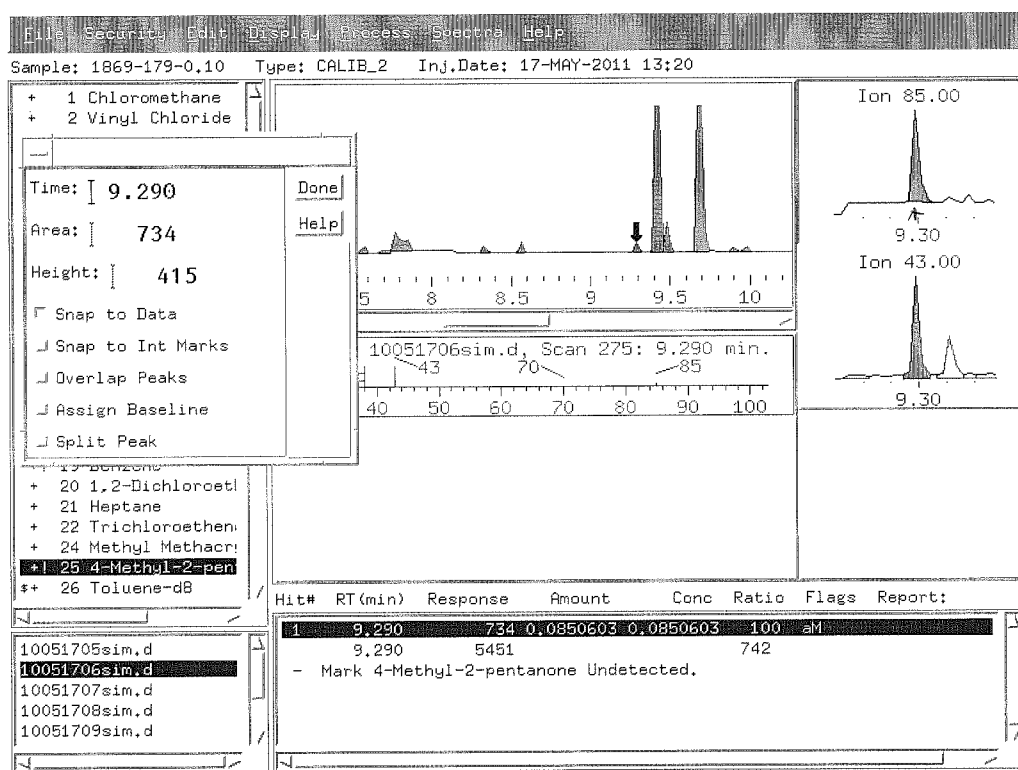
Correct Baseline	
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Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

5/18/11

5/18/11



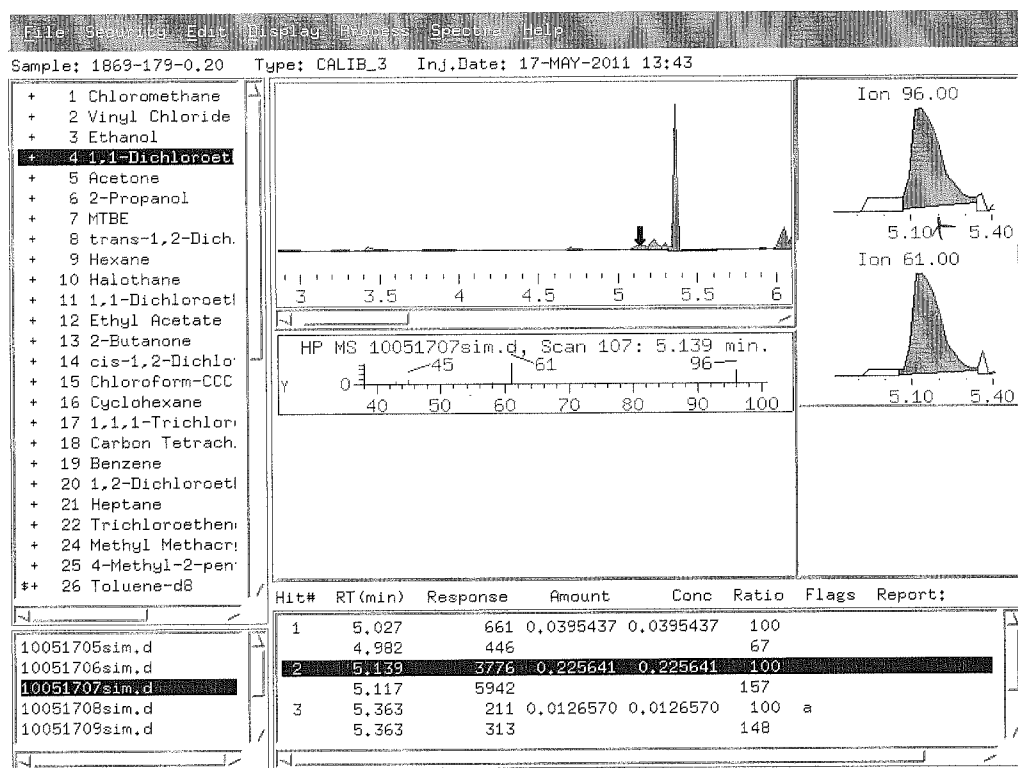
Handwritten signature



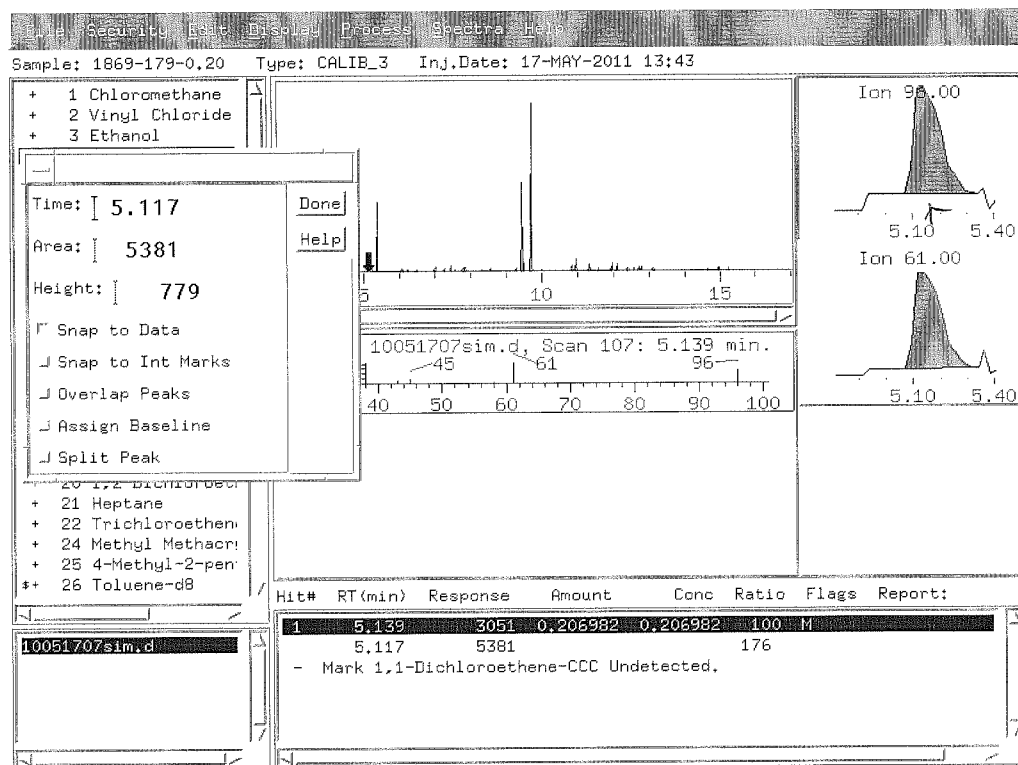
After

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Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

55 5/18/11



Before



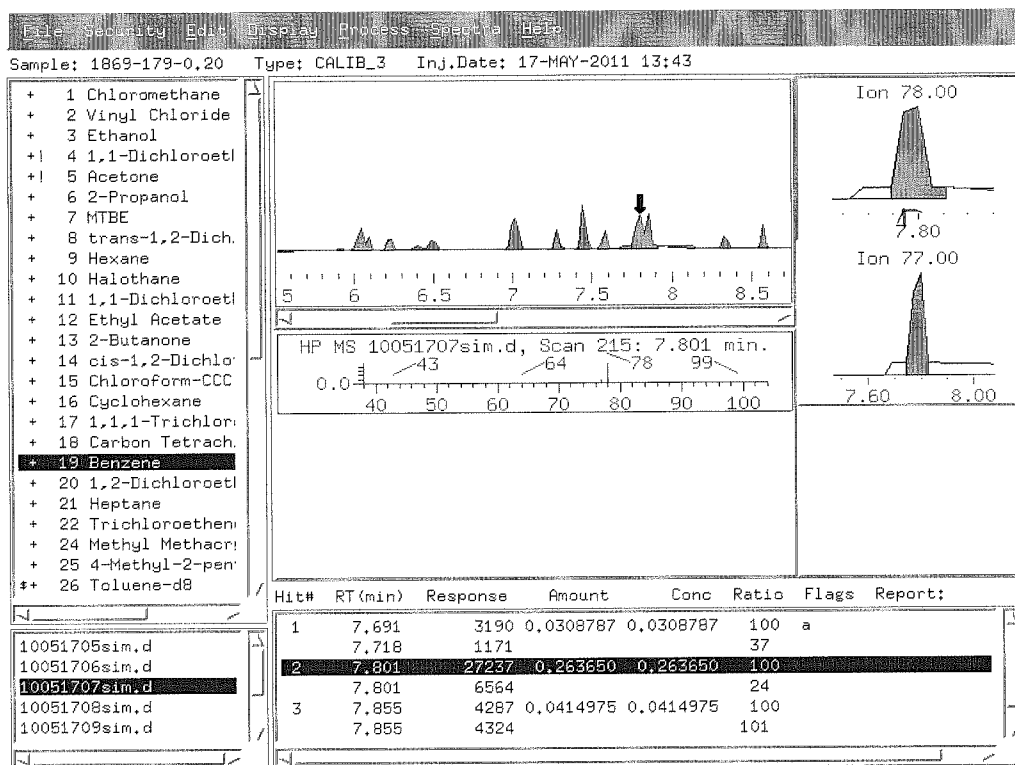
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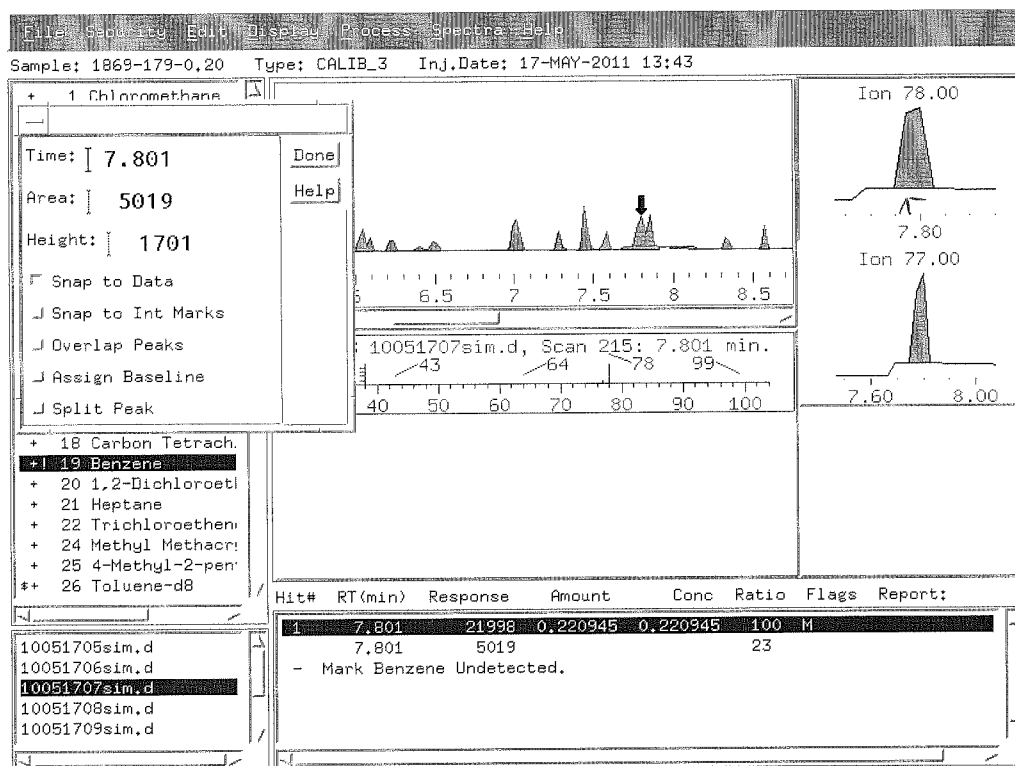
Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

W5/18/11

SS
5/16/11

not needed
SS

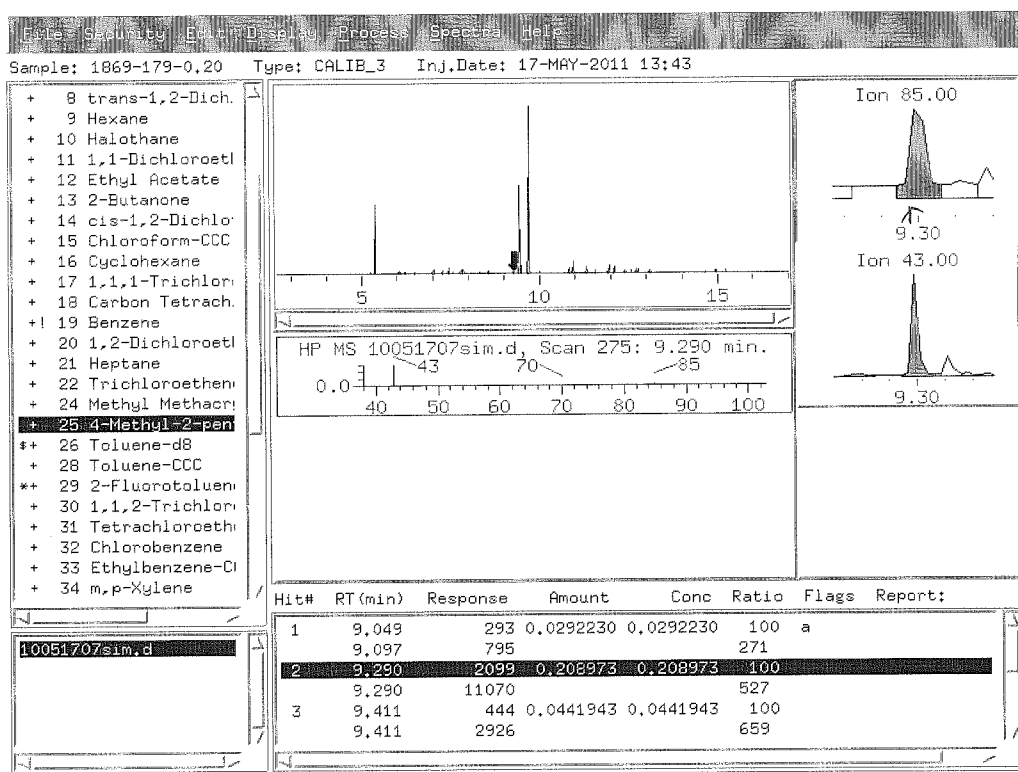




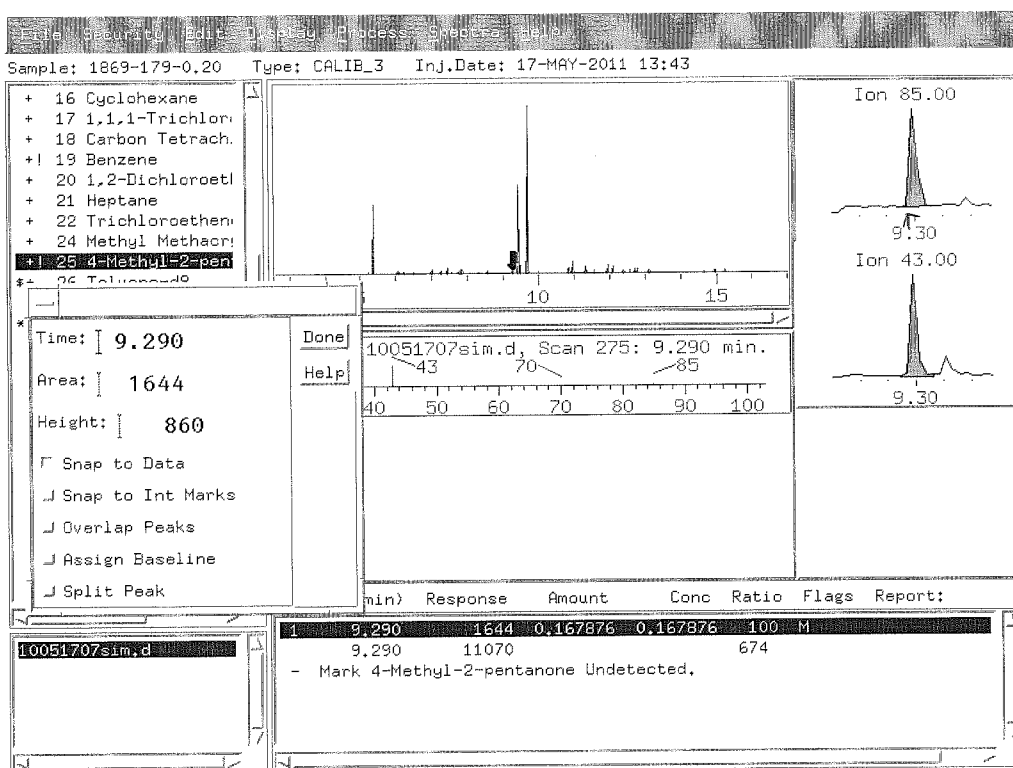
After

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Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

5/18/11



Ref:



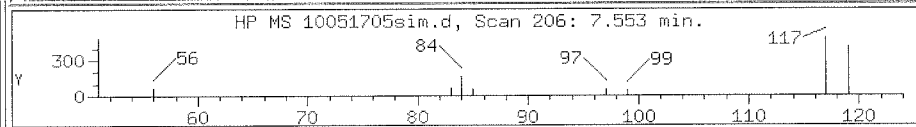
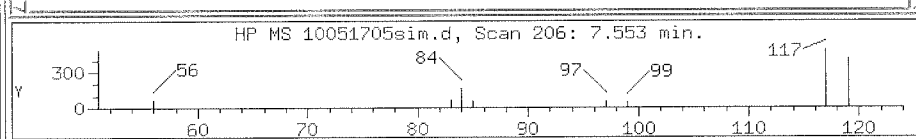
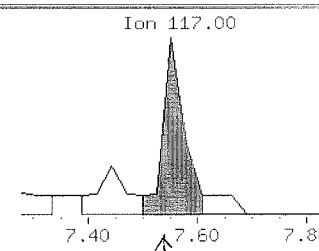
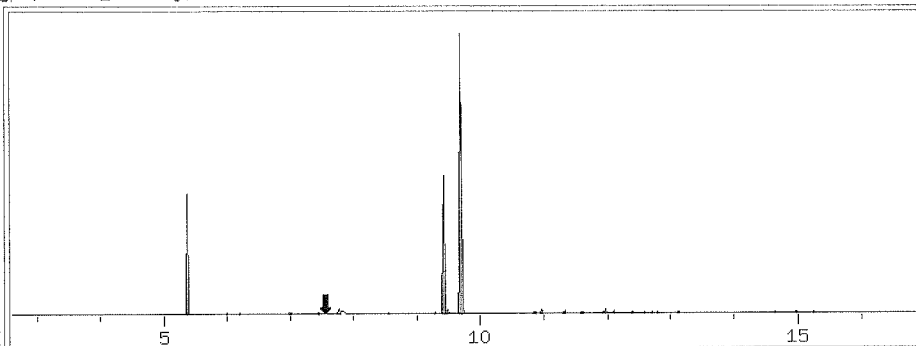
After

Correct Baseline	<input checked="" type="checkbox"/>
Split Peak	<input type="checkbox"/>
Merge Peak	<input type="checkbox"/>
Zoom In	<input type="checkbox"/>
Change Parameter	<input type="checkbox"/>
System Peak Subtraction	<input type="checkbox"/>
Peak Misidentified	<input type="checkbox"/>
Corrected Peak Integration	<input type="checkbox"/>

5/18/11

Sample: 1869-179-0.05 Type: CALIB_1 Inj.Date: 17-MAY-2011 12:58

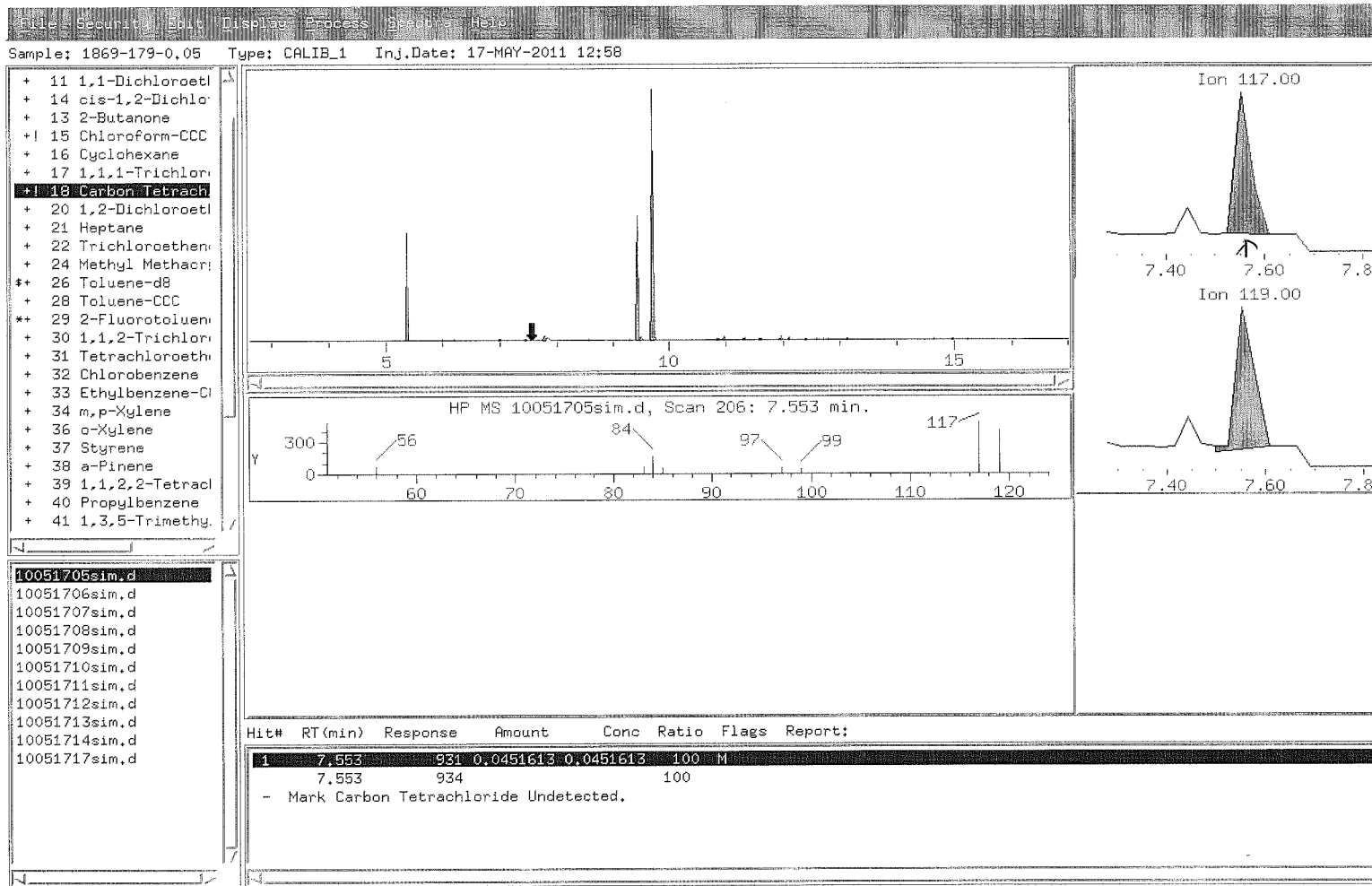
- + 11 1,1-Dichloroeth
- + 14 cis-1,2-Dichloro
- + 13 2-Butanone
- + 15 Chloroform-CCC
- + 16 Cyclohexane
- + 17 1,1,1-Trichloro
- + 18 Carbon Tetrach**
- + 20 1,2-Dichloroeth
- + 21 Heptane
- + 22 Trichloroethene
- + 24 Methyl Methacr
- + 26 Toluene-d8
- + 28 Toluene-CCC
- ** 29 2-Fluorotoluene**
- + 30 1,1,2-Trichloro
- + 31 Tetrachloroeth
- + 32 Chlorobenzene
- + 33 Ethylbenzene-Cl
- + 34 m,p-Xylene
- + 36 o-Xylene
- + 37 Styrene
- + 38 a-Pinene
- + 39 1,1,2,2-Tetracl
- + 40 Propylbenzene
- + 41 1,3,5-Trimethy



- 10051705sim.d**
- 10051706sim.d
- 10051707sim.d
- 10051708sim.d
- 10051709sim.d
- 10051710sim.d
- 10051711sim.d
- 10051712sim.d
- 10051713sim.d
- 10051714sim.d
- 10051717sim.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
2	7.196	245			159		
	7.279	438	0.0203952	0.0203952	100	a	
	7.279	68			16		
3	7.444	571	0.0265883	0.0265883	100	a	
	7.444	212			37		
4	7.553	1362	0.0634208	0.0634208	100		

Beif



After

W 5/18/11

OS 5/18/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.443	7.443	(0.767)	111305	5.04199	5.04199
18 Carbon Tetrachloride	117	7.553	7.553	(0.779)	80821	4.67585	4.67585
19 Benzene	78	7.773	7.773	(0.801)	266847	4.31646	4.31646
20 1,2-Dichloroethane	62	7.855	7.828	(0.810)	92665	4.31500	4.31500
21 Heptane	71	7.855	7.828	(0.810)	70994	4.35655	4.35655
22 Trichloroethene	130	8.326	8.326	(0.858)	67614	4.75463	4.75463
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	88359	5.07541	5.07541
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	31725	5.09368	5.09368
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	264955	4.96890	4.96890
28 Toluene-CCC	92	9.483	9.483	(0.978)	197815	4.76081	4.76081
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	294186	5.00000	
30 1,1,2-Trichloroethane	97	9.917	9.892	(1.022)	66228	4.81969	4.81969
31 Tetrachloroethene	164	9.989	9.989	(1.030)	59104	4.77024	4.77024
32 Chlorobenzene	112	10.833	10.833	(1.117)	228725	4.92215	4.92215
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	121989	4.77753	4.77753
34 m,p-Xylene	106	10.958	10.958	(1.130)	301776	9.75533	9.75533
36 o-Xylene	106	11.343	11.343	(1.169)	156663	4.94028	4.94028
37 Styrene	104	11.343	11.343	(1.169)	193730	4.98656	4.98656
38 a-Pinene	93	11.590	11.590	(1.195)	195279	5.37179	5.37179
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	144211	5.01161	5.01161
40 Propylbenzene	91	11.967	11.967	(1.234)	506905	5.23064	5.23064
41 1,3,5-Trimethylbenzene	105	12.101	12.101	(1.248)	348594	5.22822	5.22822
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	267755	5.08997	5.08997
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	156056	5.15289	5.15289
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	210867	4.74933	4.74933
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	181469	4.88650	4.88650
46 1,2-Dichlorobenzene	146	13.124	13.124	(1.353)	163579	4.86051	4.86051
48 1,2,4-Trichlorobenzene	180	14.654	14.644	(1.511)	139772	5.30369	5.30369
49 Naphthalene	128	14.963	14.981	(1.543)	466136	6.22096	6.22096
50 1,2,3-Trichlorobenzene	180	15.247	15.246	(1.572)	132773	5.01171	5.01171

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 18-MAY-2011

Lab File ID: 10051803sim.d

Calibration Time: 09:43

Lab Smp Id: 1869-165-5

Client Smp ID: ICV

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/18May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	237377	118688	474754	294186	23.93

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 18May2011
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1869-165-5	Client Smp ID: ICV
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: LCS
SpikeList File: ICV.spk	Quant Type: ISTD
Sublist File: all-2cve-47.sub	
Method File: /chem/msd10.i/18May2011.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
1 Chloromethane	5.00000	6.57969	131.59*	70-130
2 Vinyl Chloride	5.00000	5.60577	112.12	70-130
3 Ethanol	5.00000	3.95178	79.04	70-130
4 1,1-Dichloroethene	5.00000	4.52571	90.51	80-120
5 Acetone	5.00000	4.31054	86.21	70-130
6 2-Propanol	5.00000	10.6611	213.22*	50-150
7 MTBE	5.00000	4.68019	93.60	70-130
8 trans-1,2-Dichloro	5.00000	4.39172	87.83	70-130
9 Hexane	5.00000	4.18154	83.63	70-130
10 Halothane	5.00000	4.69162	93.83	70-130
11 1,1-Dichloroethane	5.00000	4.74078	94.82	80-120
12 Ethyl Acetate	5.00000	4.58844	91.77	70-130
13 2-Butanone	5.00000	4.63728	92.75	70-130
14 cis-1,2-Dichloroet	5.00000	4.72818	94.56	80-120
15 Chloroform-CCC	5.00000	4.51071	90.21	80-120
16 Cyclohexane	5.00000	4.36417	87.28	70-130
17 1,1,1-Trichloroeth	5.00000	5.04199	100.84	80-120
18 Carbon Tetrachlori	5.00000	4.67585	93.52	80-120
19 Benzene	5.00000	4.31646	86.33	70-130
20 1,2-Dichloroethane	5.00000	4.31500	86.30	80-120
21 Heptane	5.00000	4.35655	87.13	80-120
22 Trichloroethene	5.00000	4.75463	95.09	80-120
24 Methyl Methacrylat	5.00000	5.07541	101.51	70-130
25 4-Methyl-2-pentano	5.00000	5.09368	101.87	70-130
28 Toluene-CCC	5.00000	4.76081	95.22	80-120
30 1,1,2-Trichloroeth	5.00000	4.81969	96.39	80-120
31 Tetrachloroethene	5.00000	4.77024	95.40	80-120
32 Chlorobenzene	5.00000	4.92215	98.44	80-120
33 Ethylbenzene-CCC	5.00000	4.77753	95.55	80-120
34 m,p-Xylene	10.0000	9.75533	97.55	80-120
36 o-Xylene	5.00000	4.94028	98.81	70-130
37 Styrene	5.00000	4.98656	99.73	70-130
38 a-Pinene	5.00000	5.37179	107.44	70-130

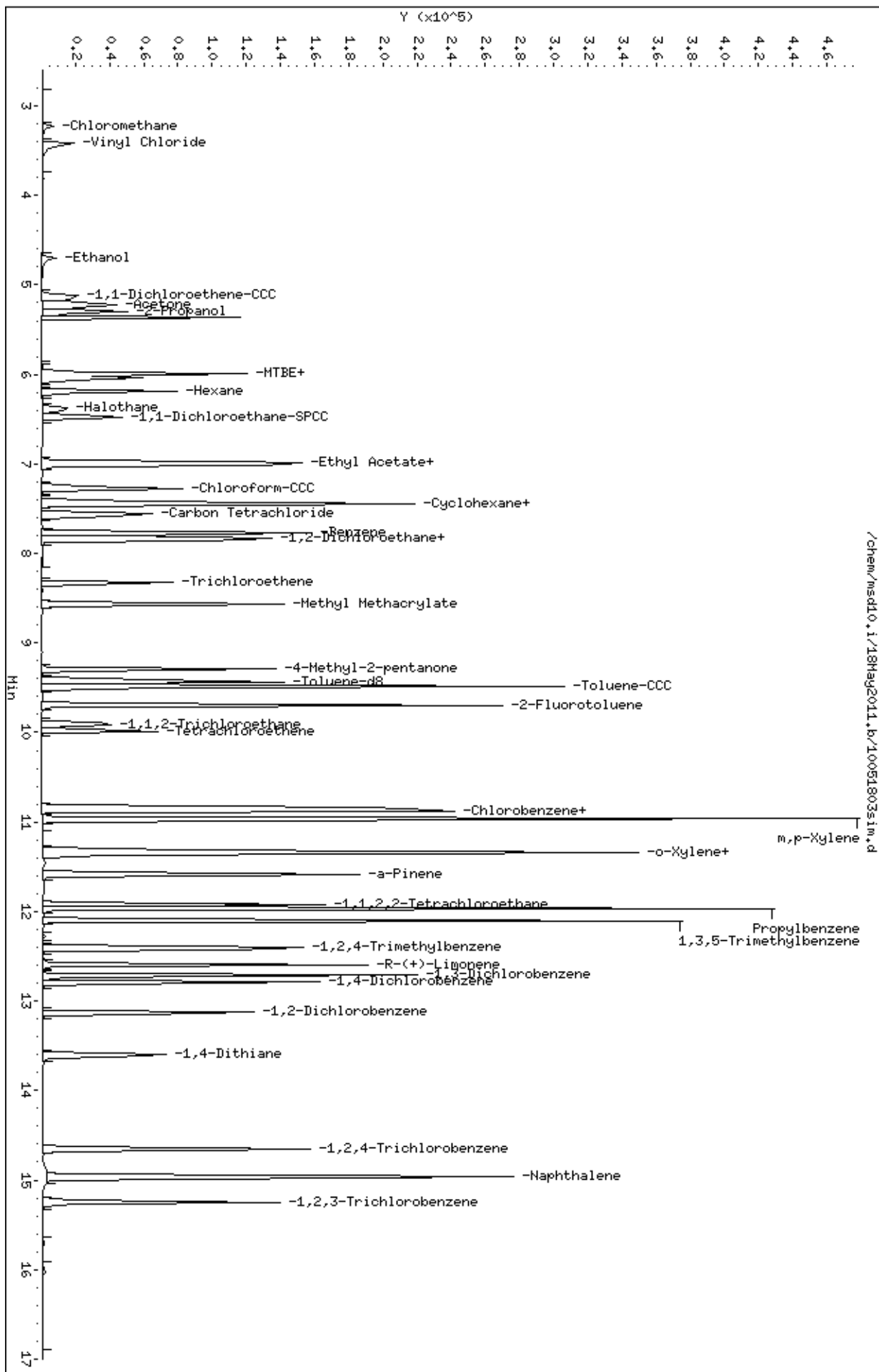
Report Date: 19-May-2011 08:58

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39 1,1,2,2-Tetrachlor	5.00000	5.01161	100.23	70-130
40 Propylbenzene	5.00000	5.23064	104.61	80-120
41 1,3,5-Trimethylben	5.00000	5.22822	104.56	80-120
42 1,2,4-Trimethylben	5.00000	5.08997	101.80	80-120
43 R-(+)-Limonene	5.00000	5.15289	103.06	70-130
44 1,3-Dichlorobenzen	5.00000	4.74933	94.99	70-130
45 1,4-Dichlorobenzen	5.00000	4.88650	97.73	70-130
46 1,2-Dichlorobenzen	5.00000	4.86051	97.21	70-130
47 1,4-Dithiane	5.00000	0.00000	0.00*	70-130
48 1,2,4-Trichloroben	5.00000	5.30369	106.07	70-130
49 Naphthalene	5.00000	6.22096	124.42	70-130
50 1,2,3-Trichloroben	5.00000	5.01171	100.23	70-130

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	4.96890	99.38	70-130

Data File: /chem/msd10.i/18May2011.b/10051803sim.d
 Date : 18-May-2011 10:13
 Client ID: ICV
 Sample Info: #1869-165-5;ICV
 Volume Injected (uL): 1.0
 Column phase: DB-5.625

Instrument: msd10.i
 Operator: LZ
 Column diameter: 0.25



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

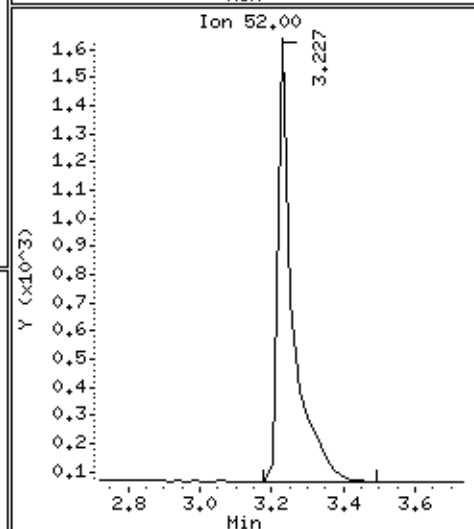
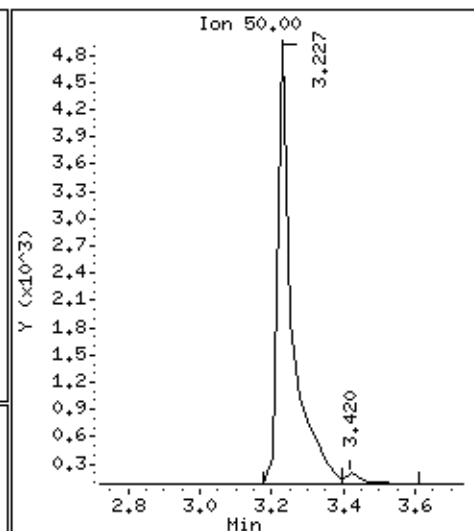
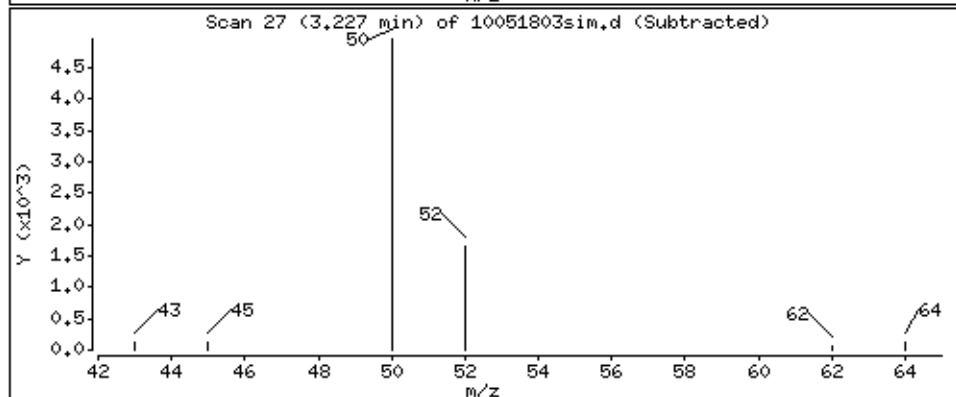
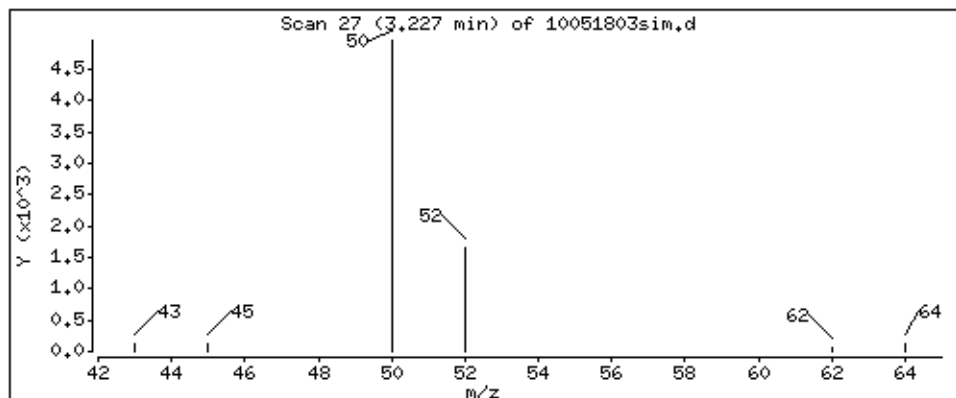
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

1 Chloromethane

Concentration: 6.57969 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

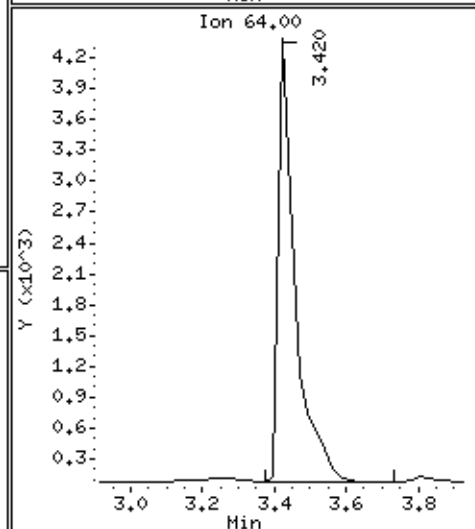
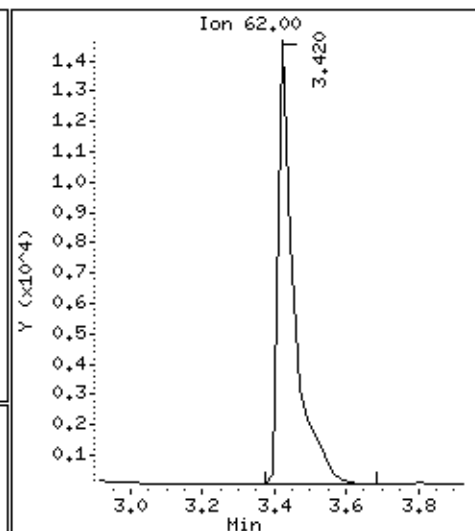
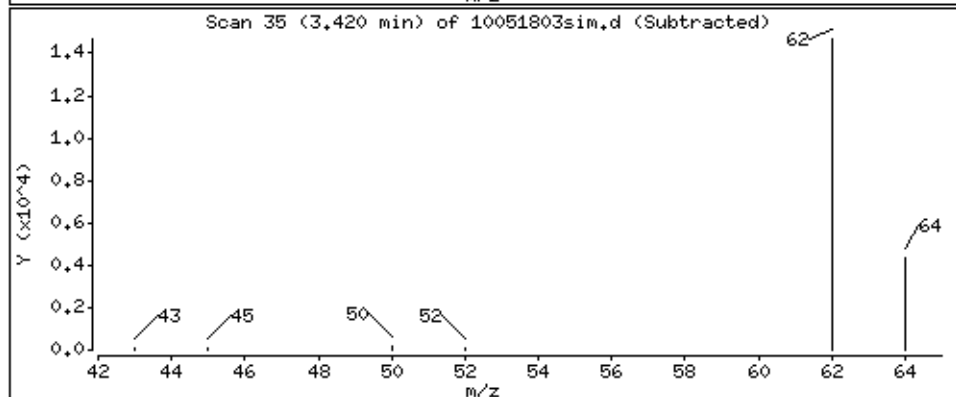
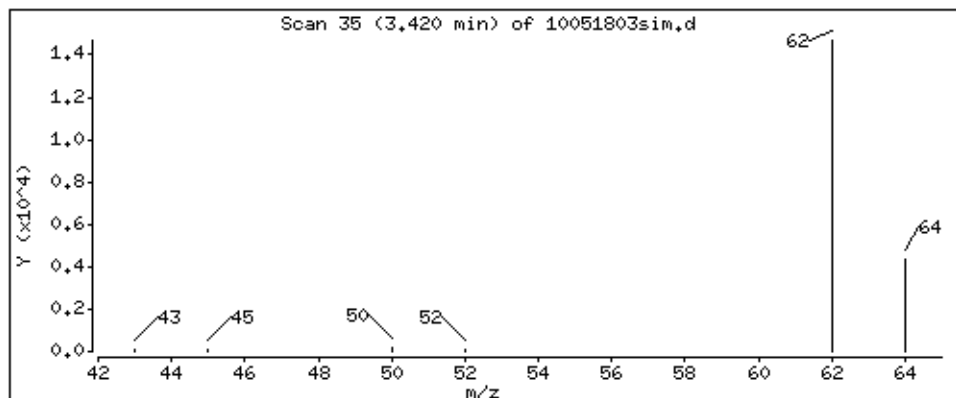
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

2 Vinyl Chloride

Concentration: 5.60577 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

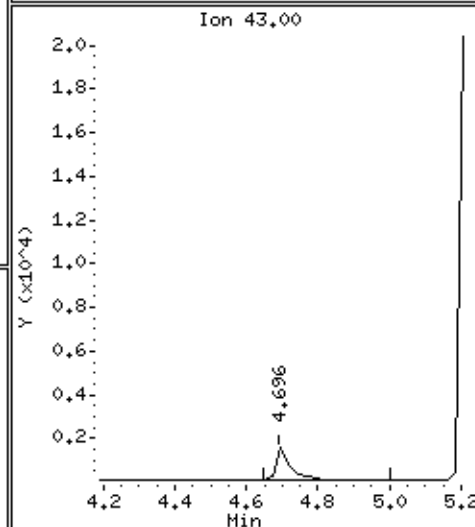
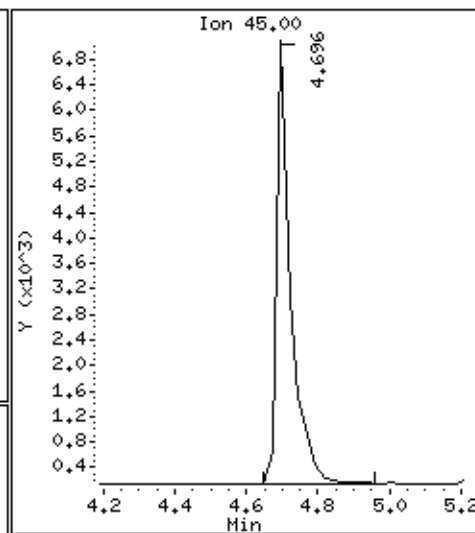
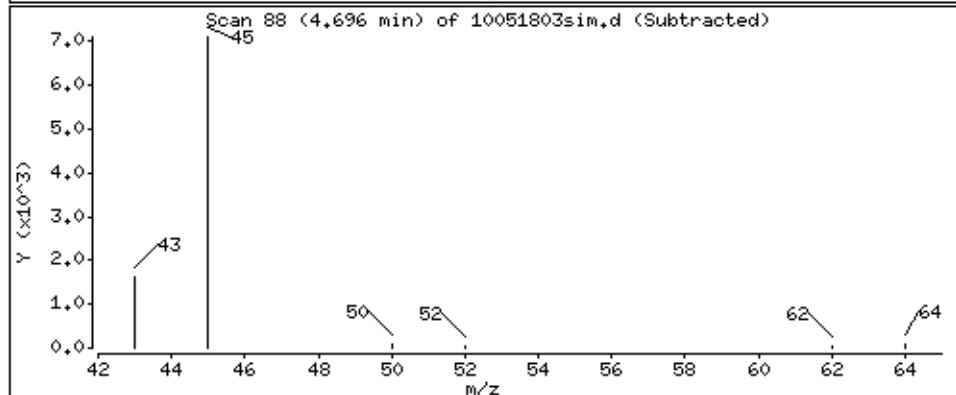
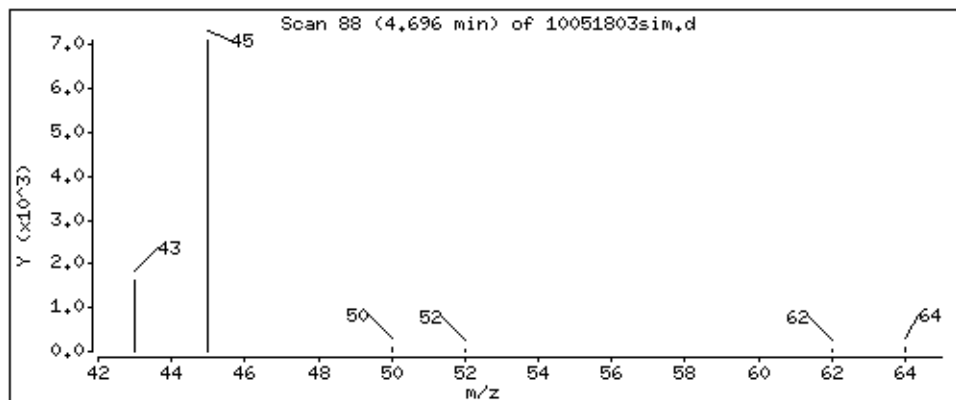
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

3 Ethanol

Concentration: 3.95178 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

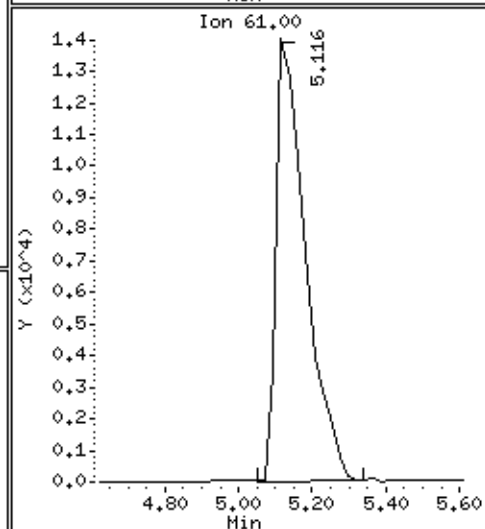
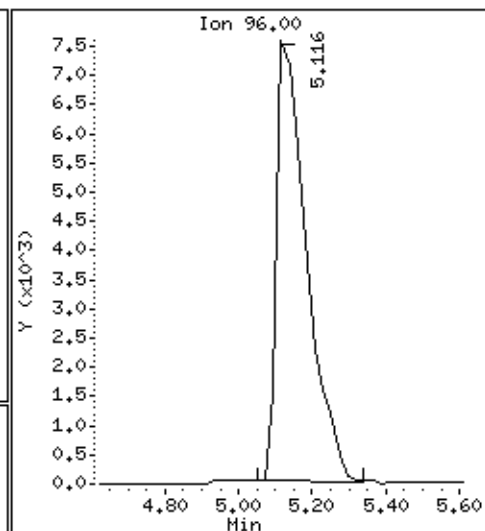
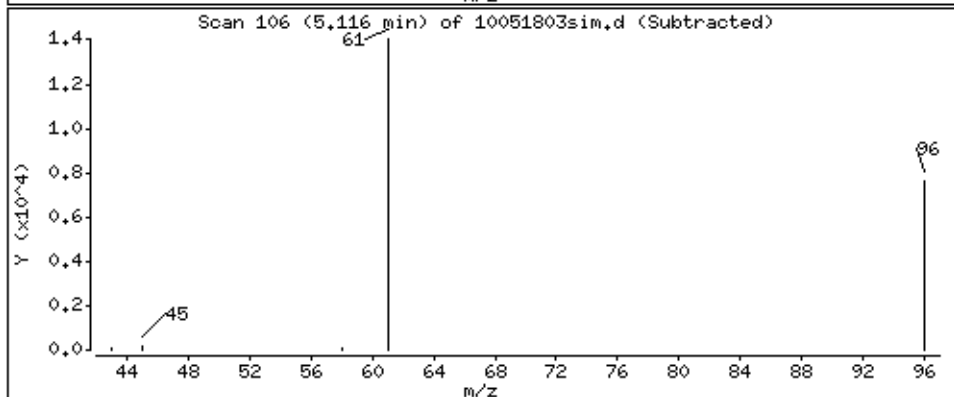
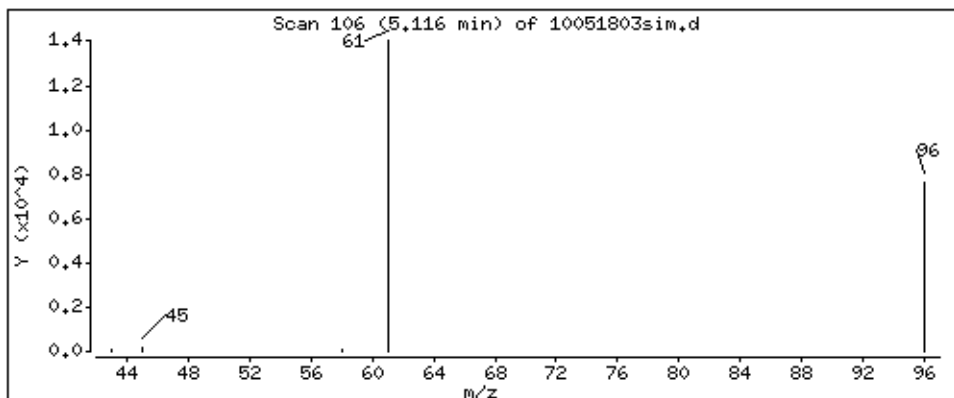
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

4 1,1-Dichloroethene-CCC

Concentration: 4.52571 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

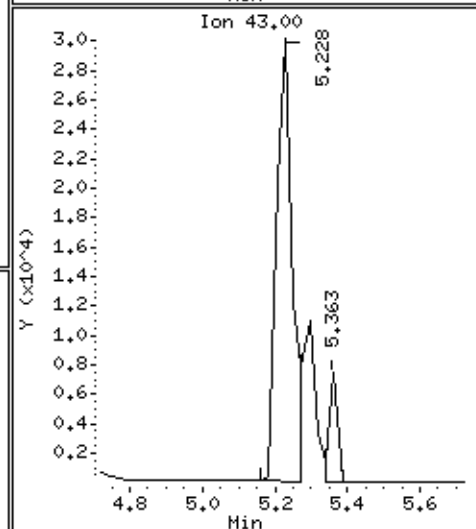
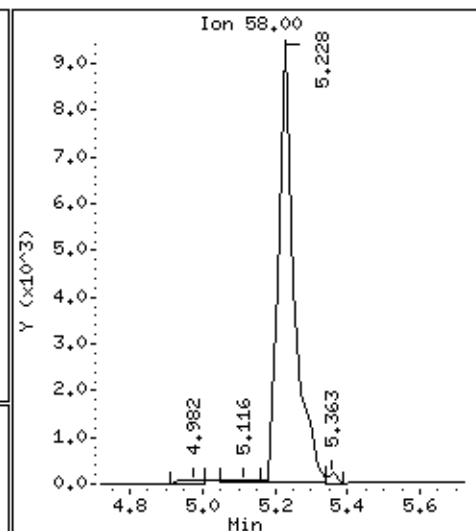
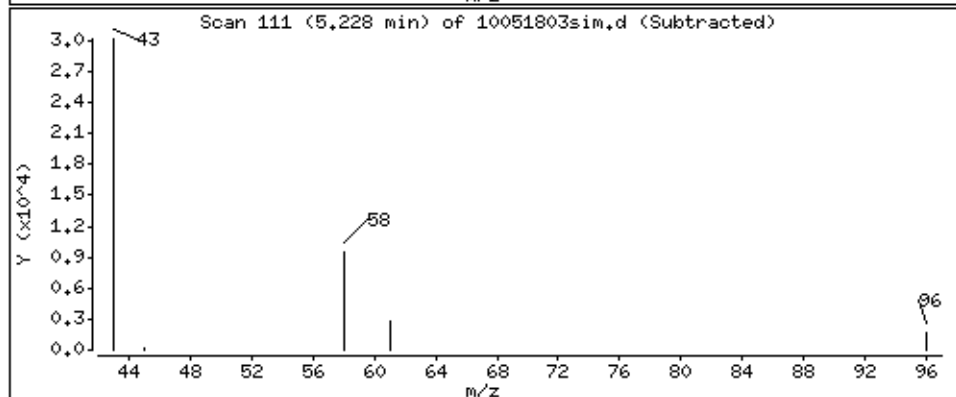
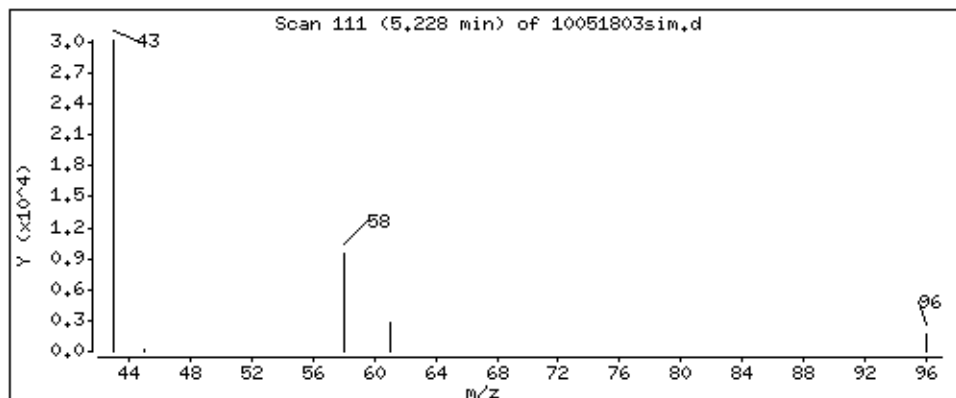
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

5 Acetone

Concentration: 4.31054 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

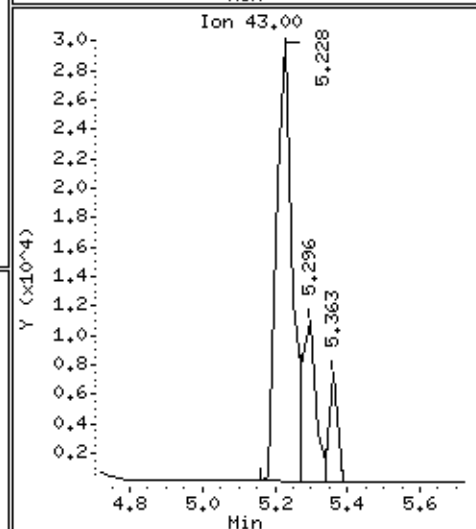
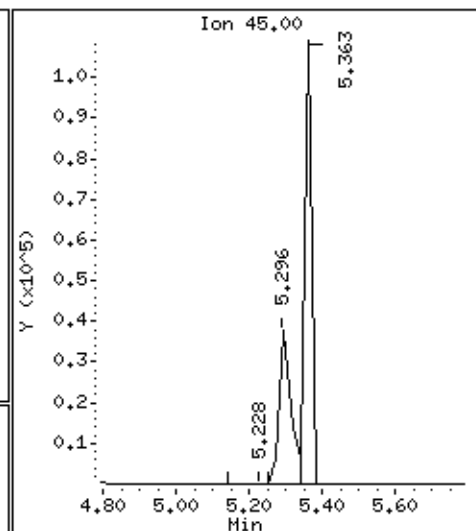
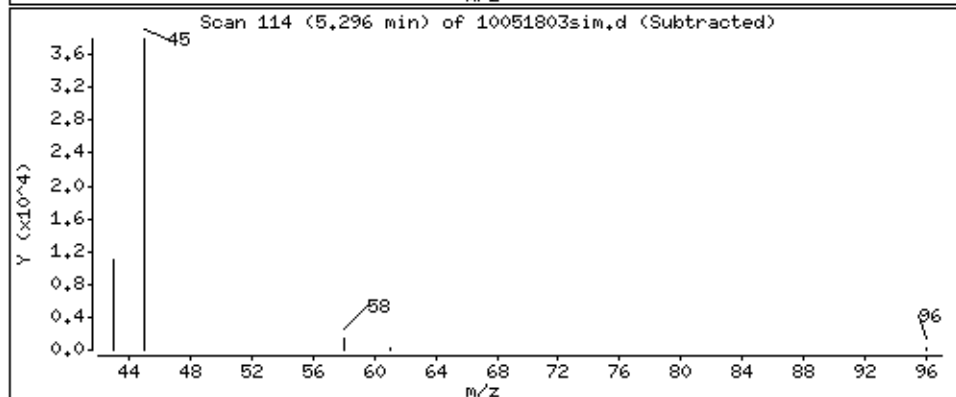
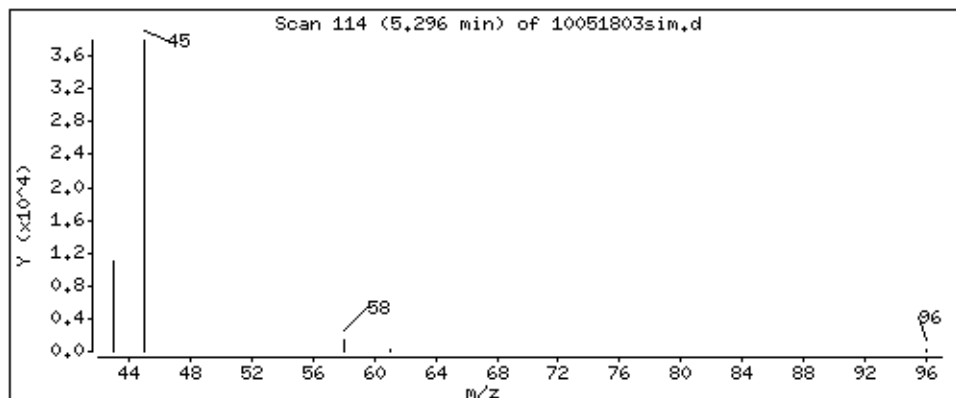
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

6 2-Propanol

Concentration: 10,6611 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

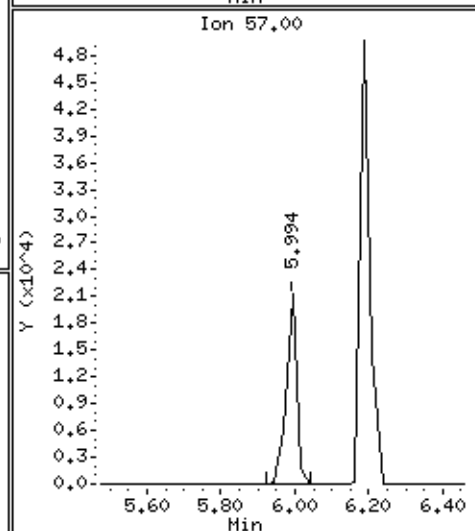
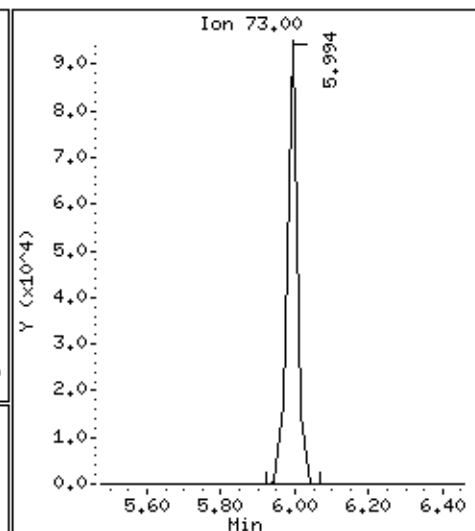
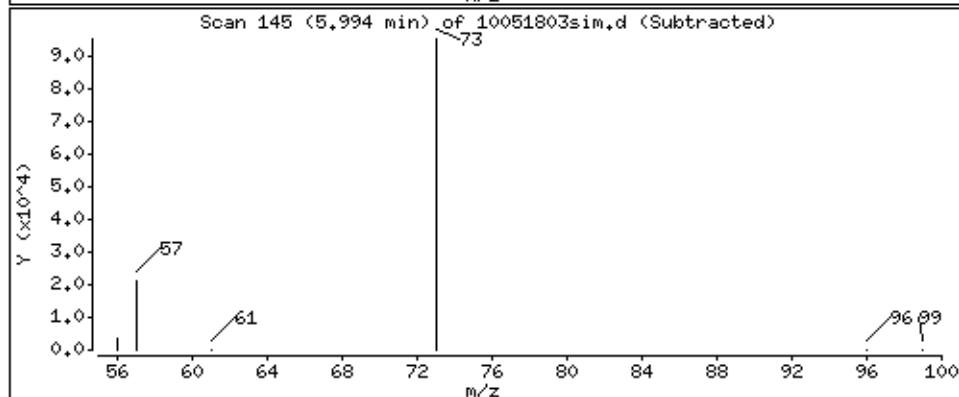
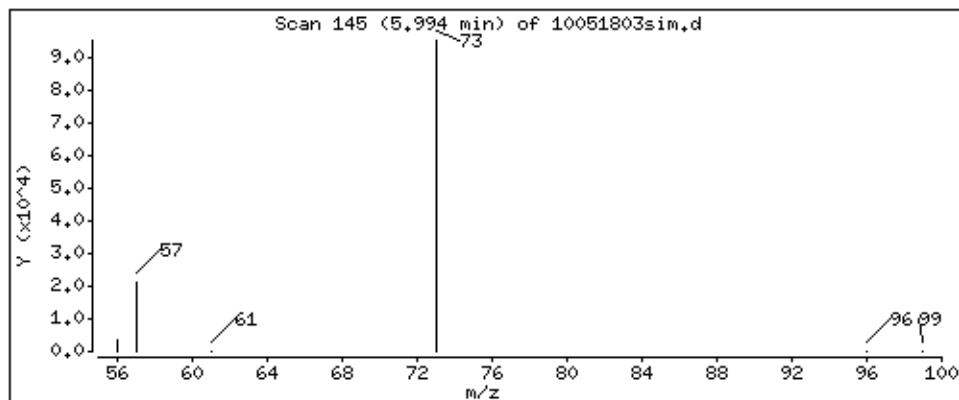
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

7 MTBE

Concentration: 4.68019 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

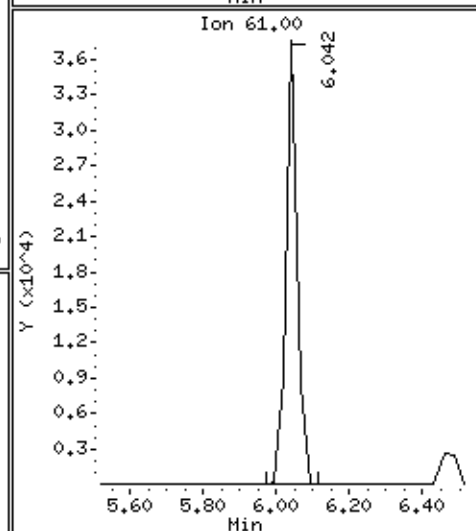
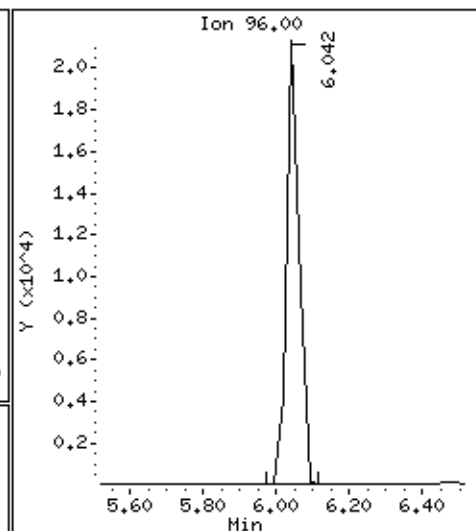
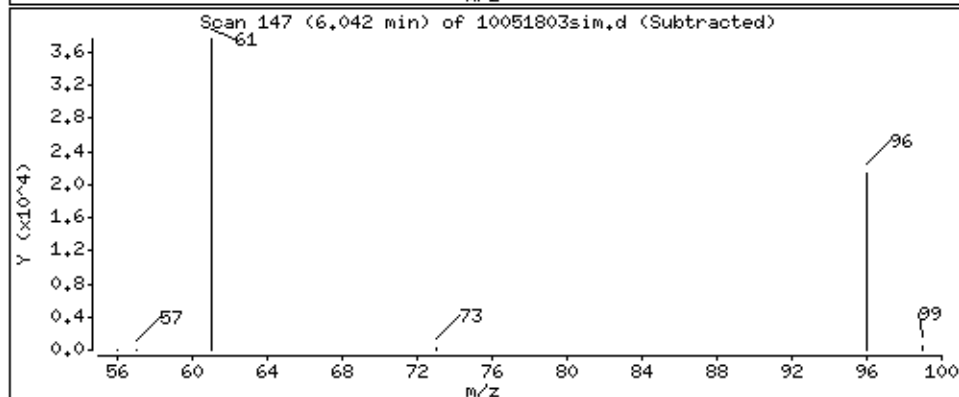
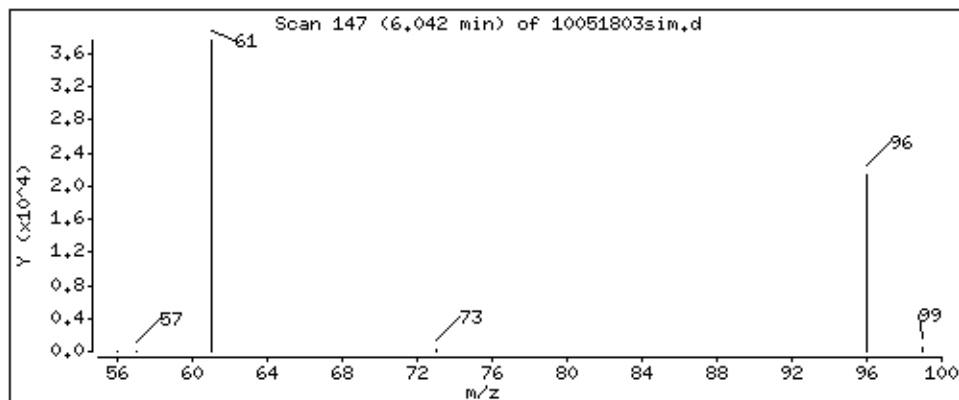
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

8 trans-1,2-Dichloroethene

Concentration: 4.39172 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

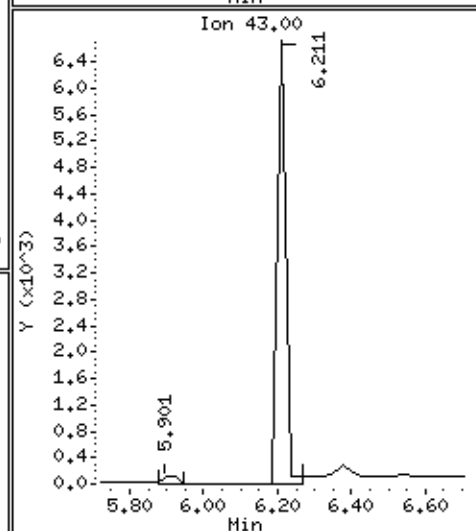
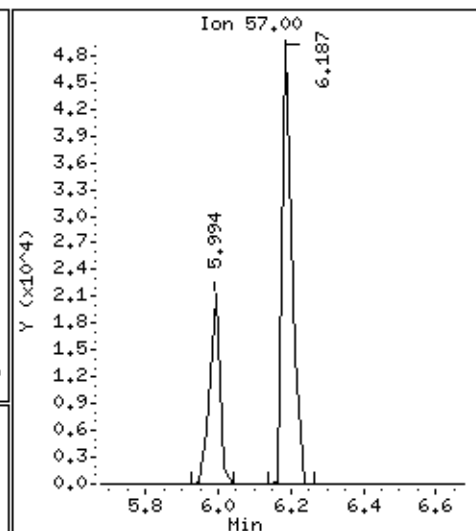
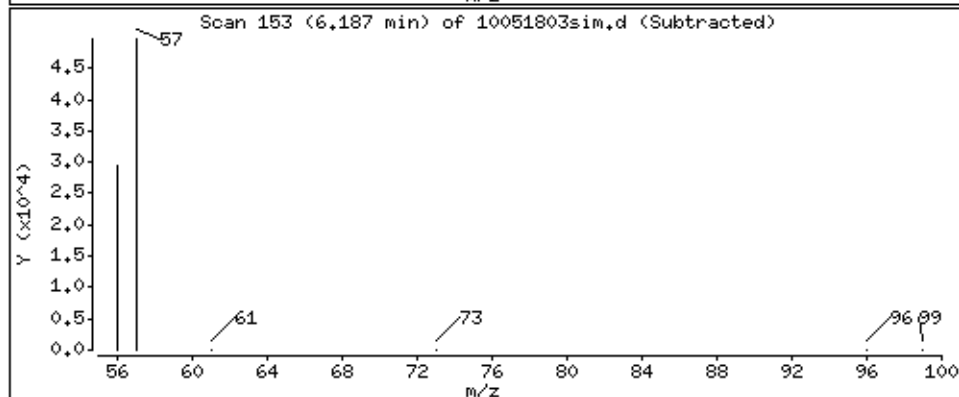
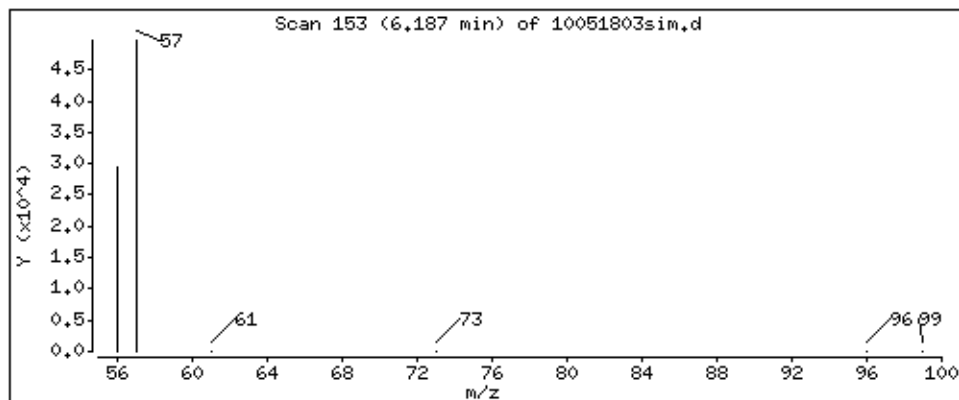
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 4.18154 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

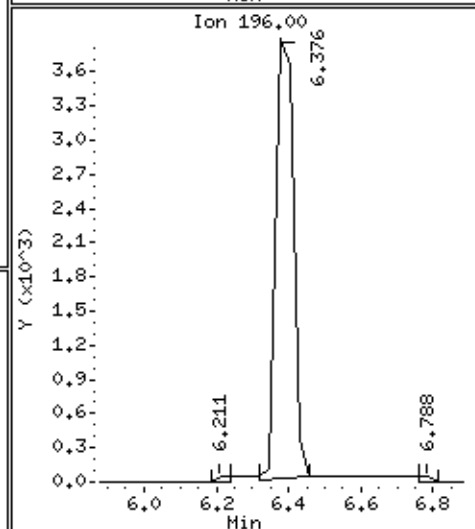
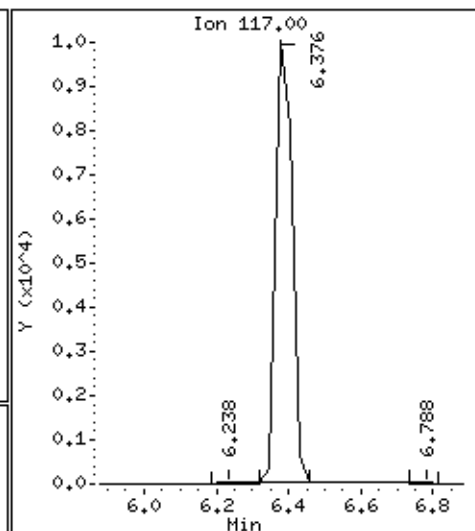
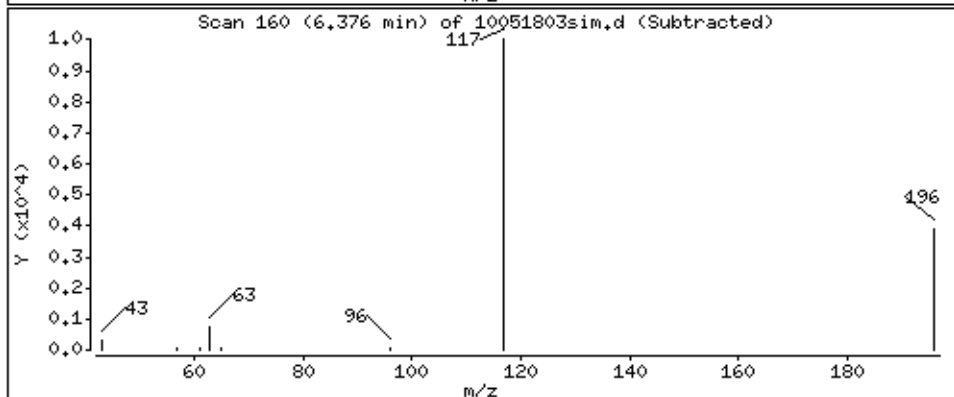
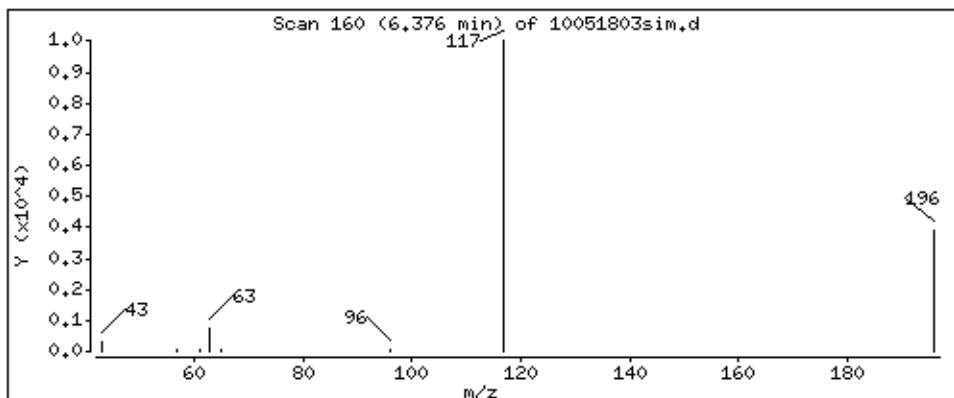
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

10 Halothane

Concentration: 4.69162 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

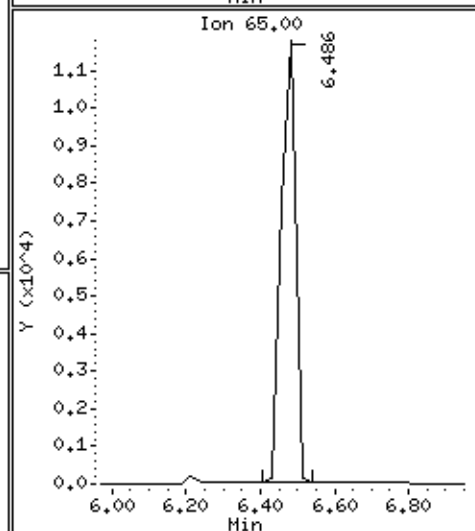
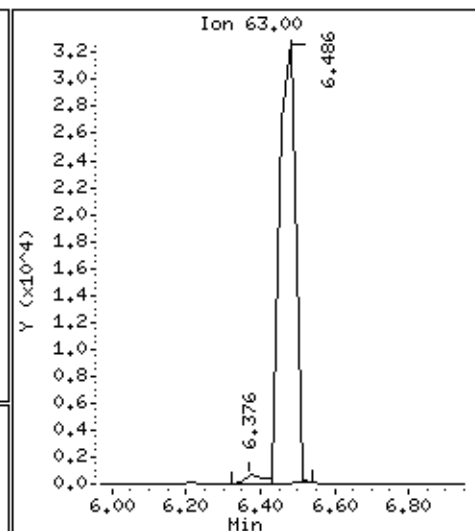
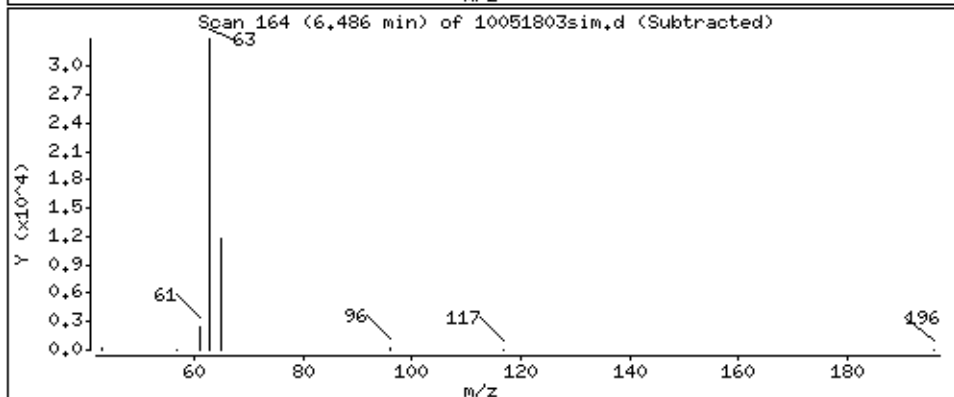
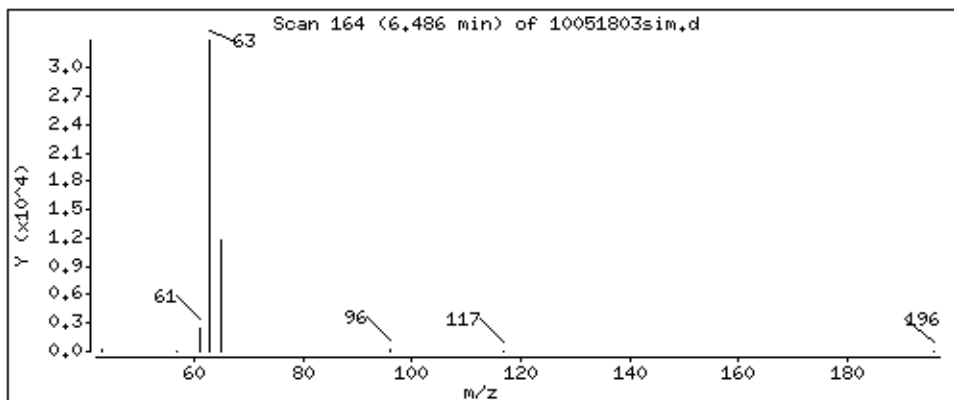
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

11 1,1-Dichloroethane-SPCC

Concentration: 4.74078 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

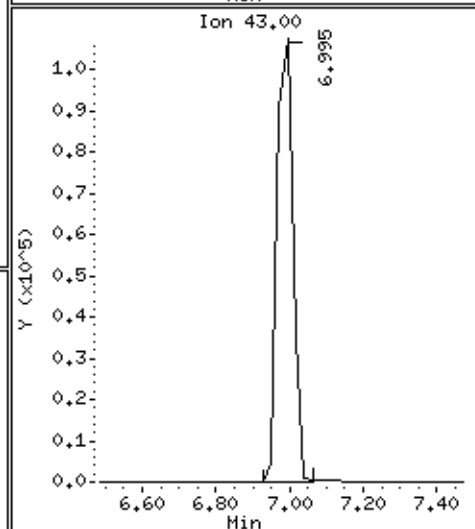
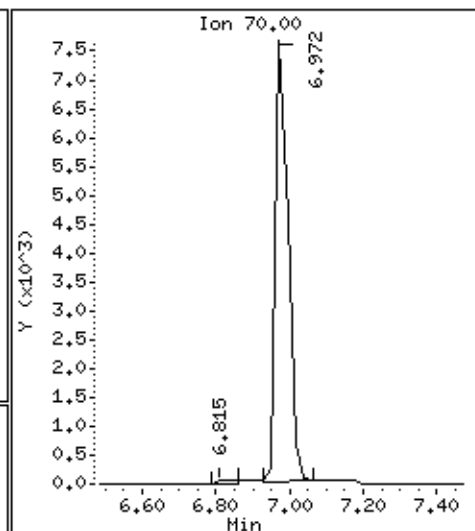
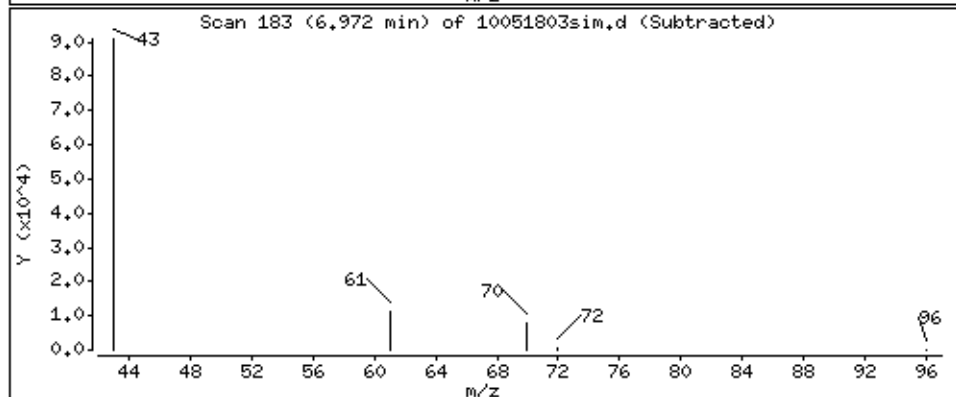
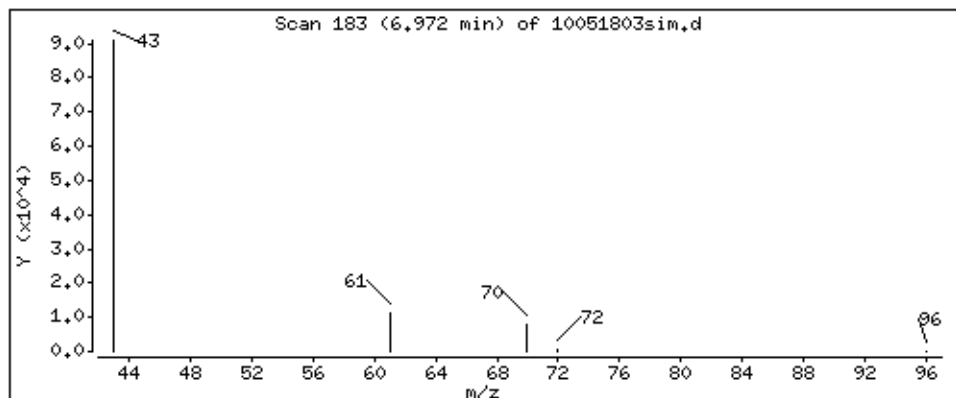
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

12 Ethyl Acetate

Concentration: 4.58844 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

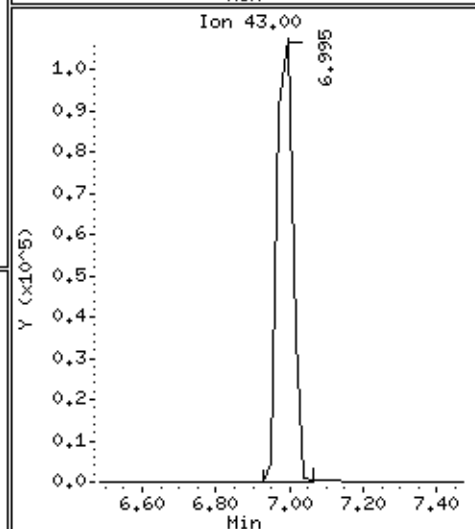
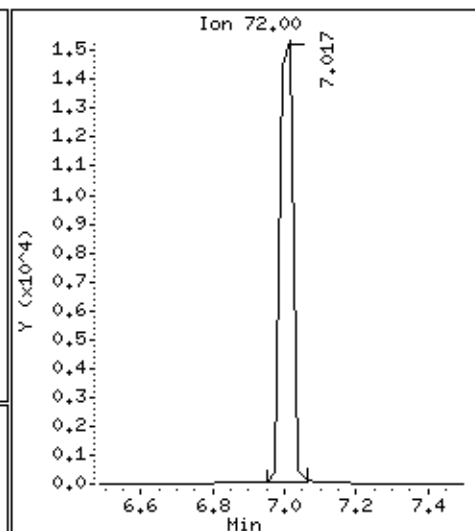
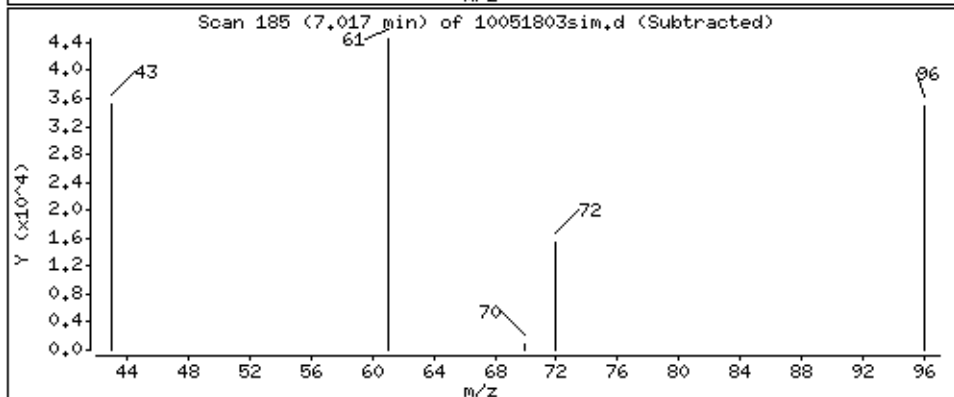
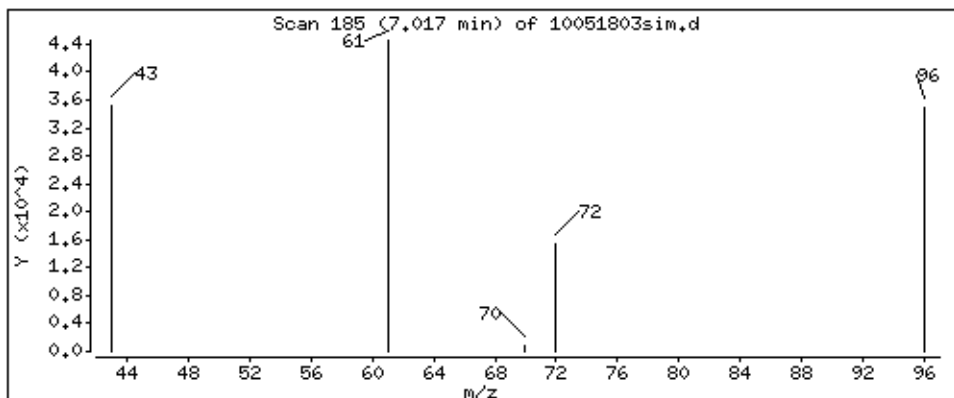
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

13 2-Butanone

Concentration: 4.63728 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

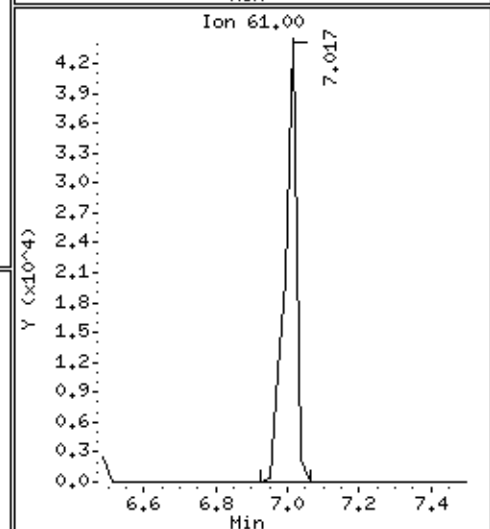
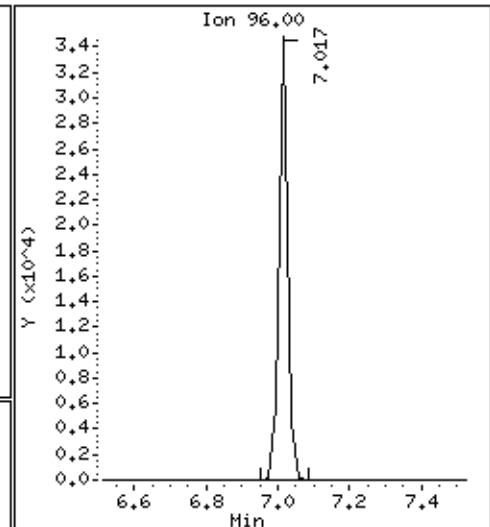
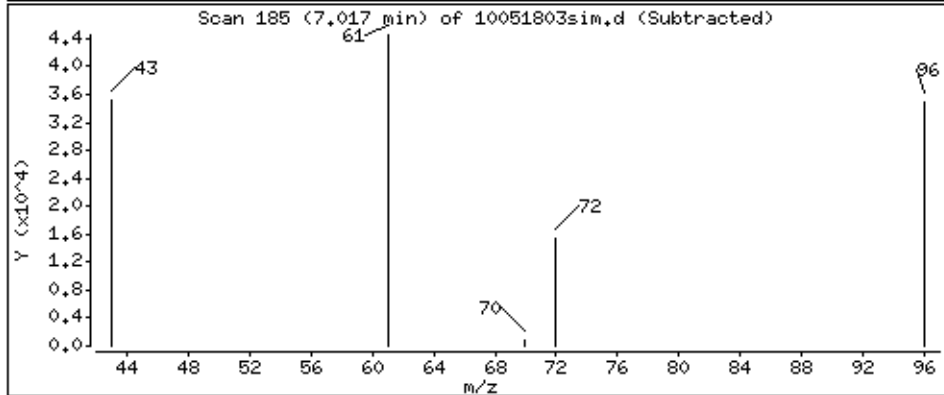
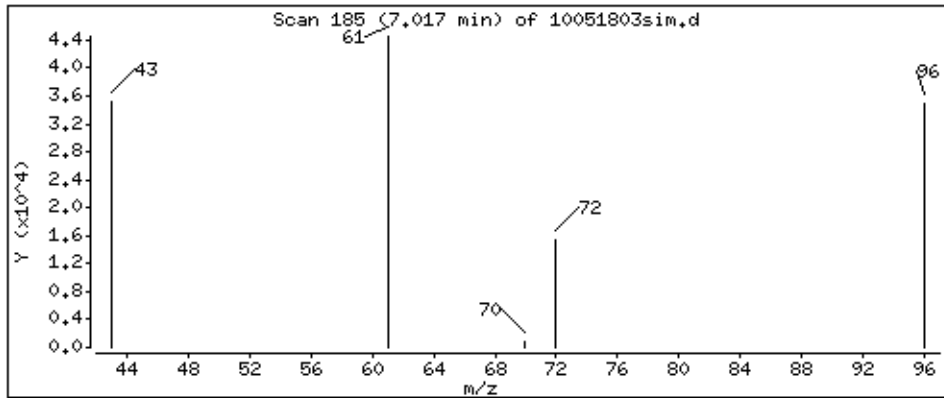
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

14 cis-1,2-Dichloroethene

Concentration: 4.72818 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

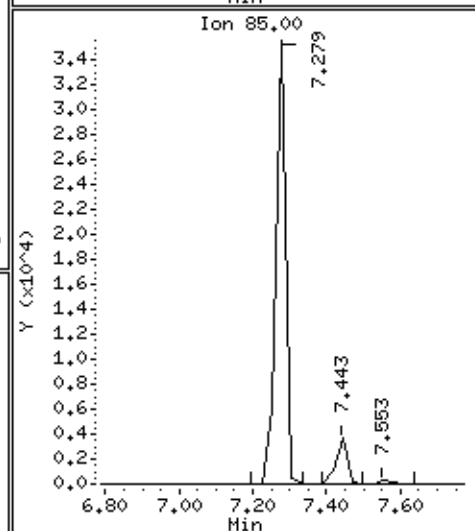
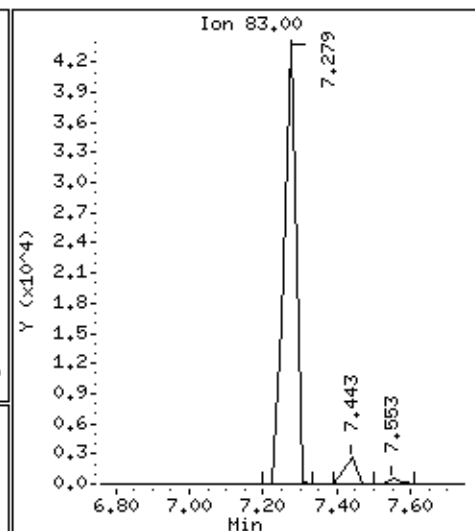
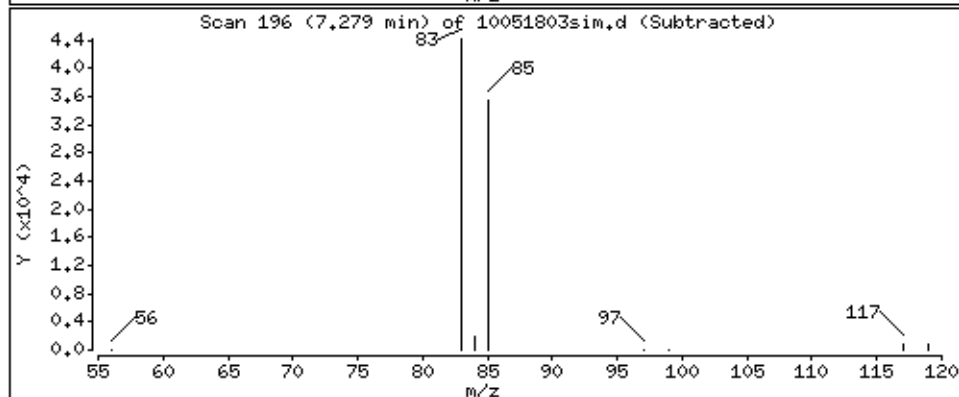
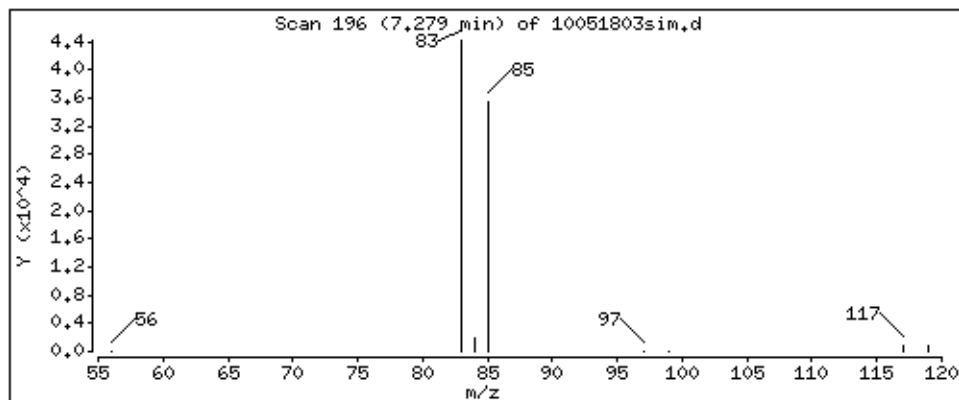
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 4.51071 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

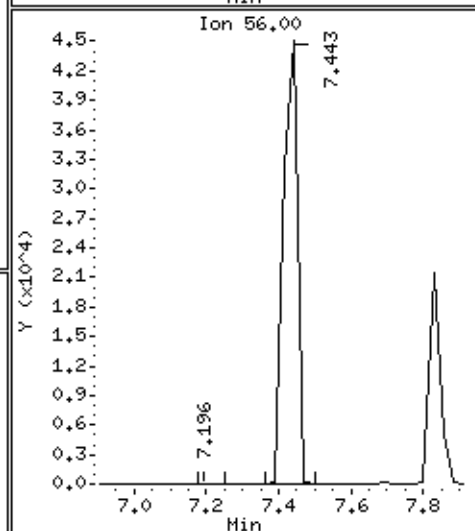
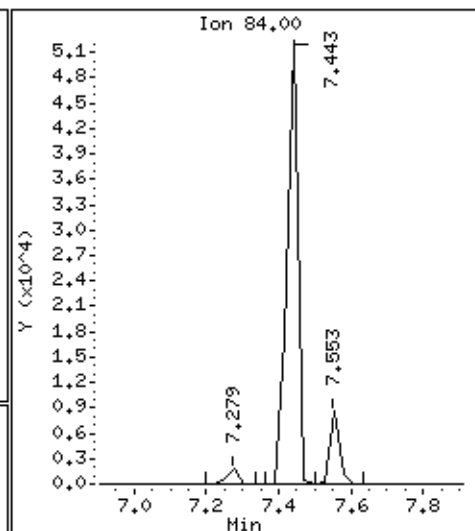
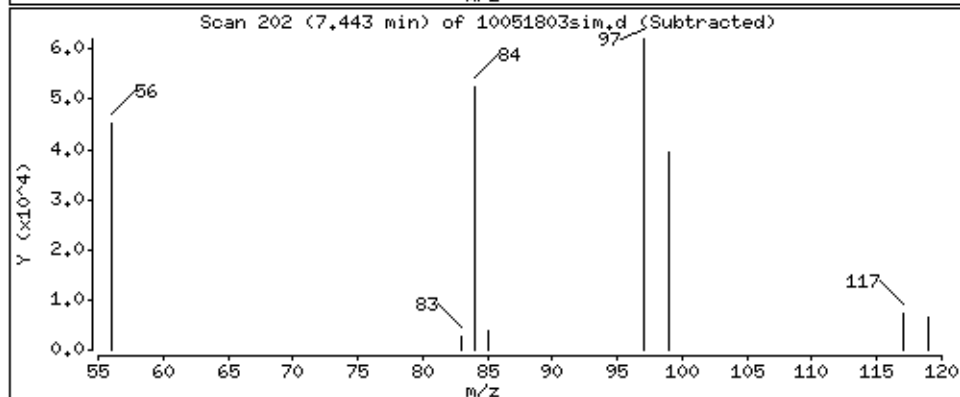
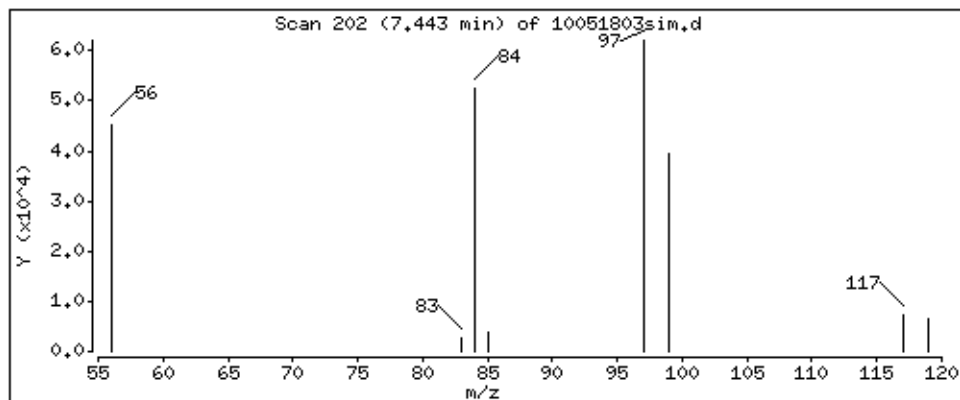
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 4.36417 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

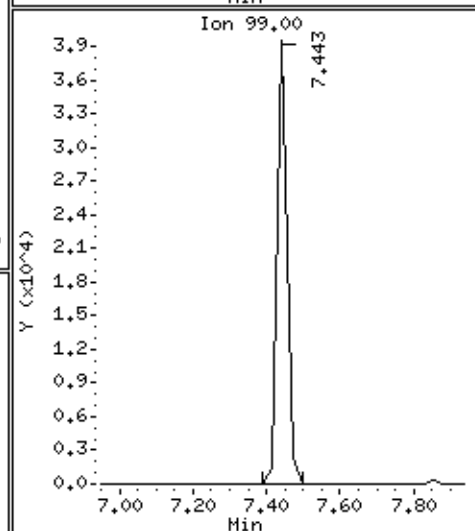
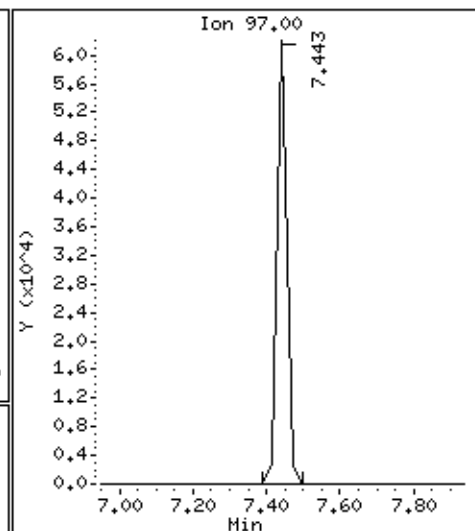
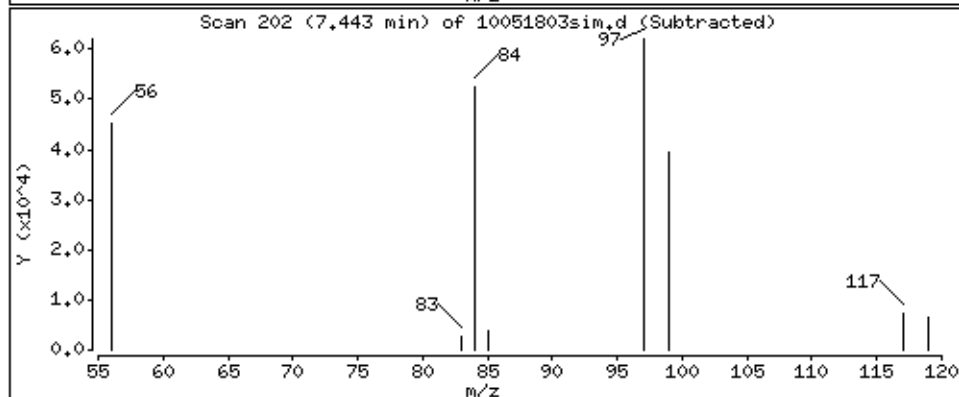
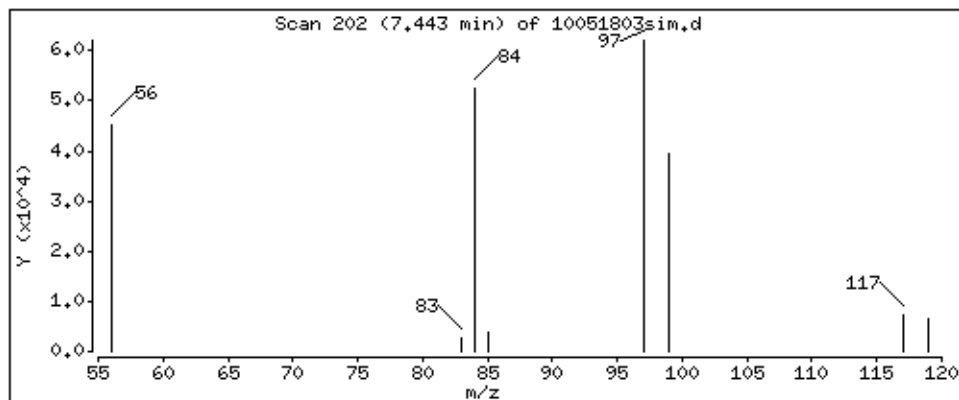
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 5.04199 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

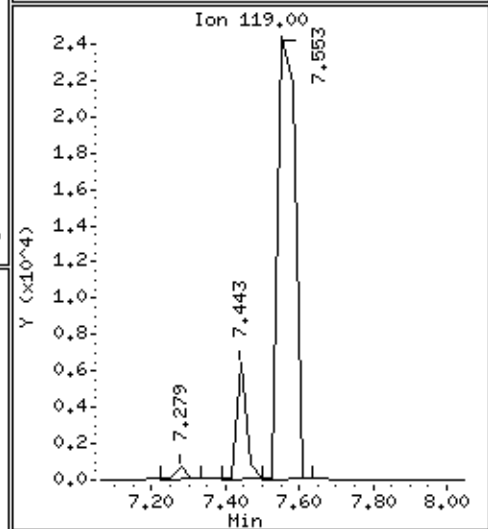
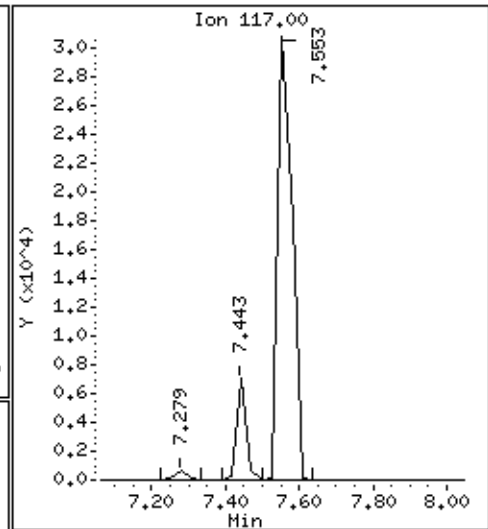
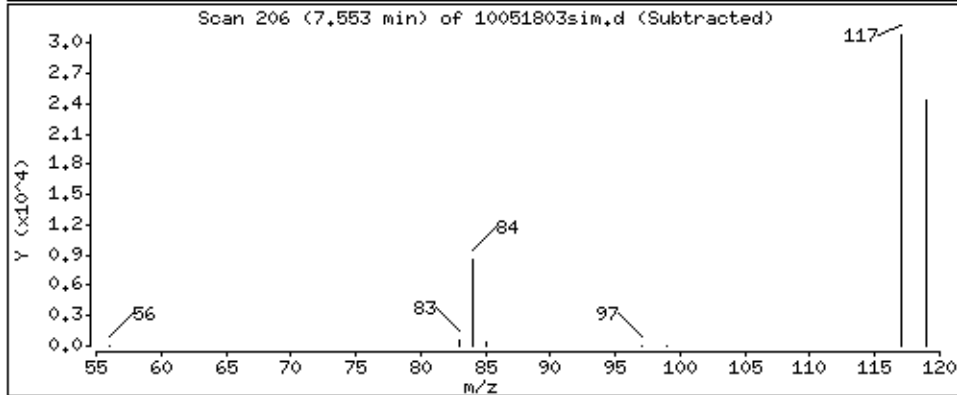
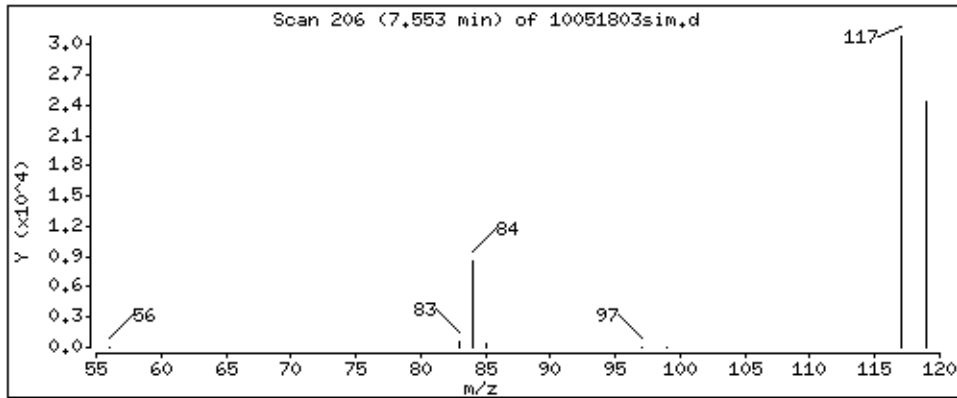
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

18 Carbon Tetrachloride

Concentration: 4.67585 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

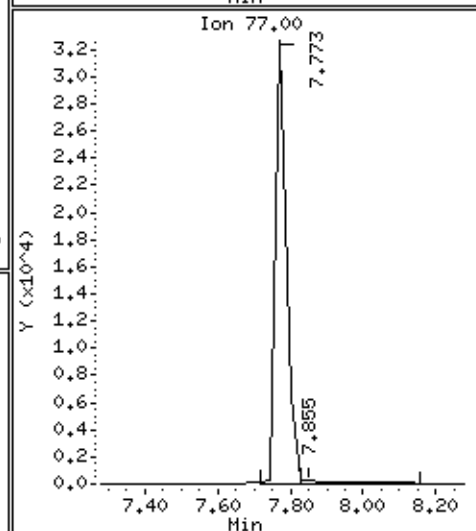
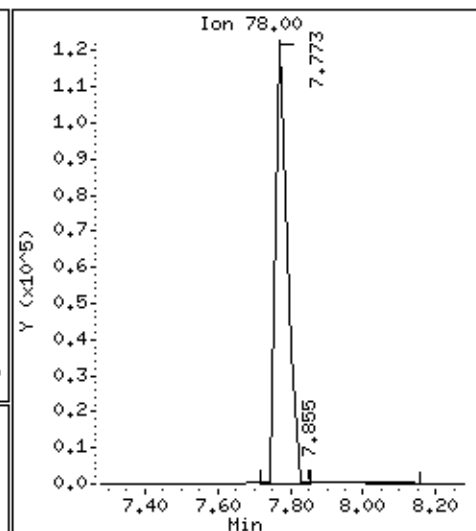
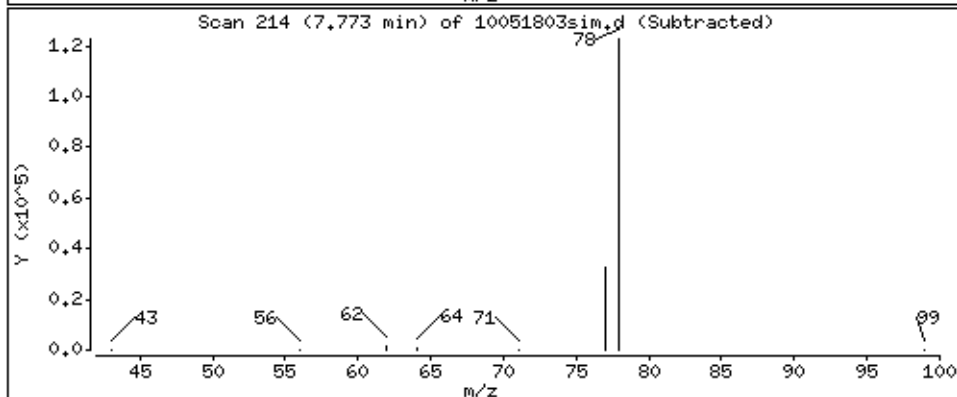
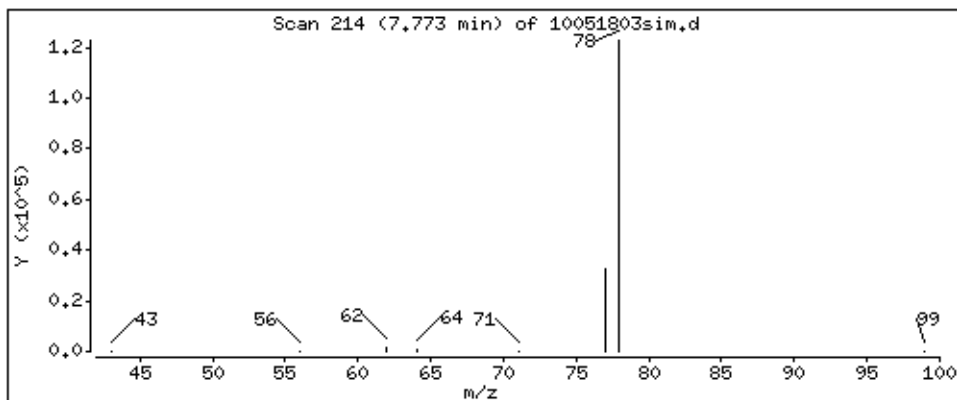
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

19 Benzene

Concentration: 4.31646 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

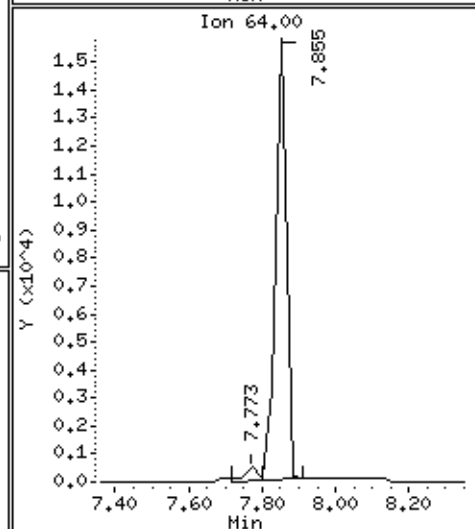
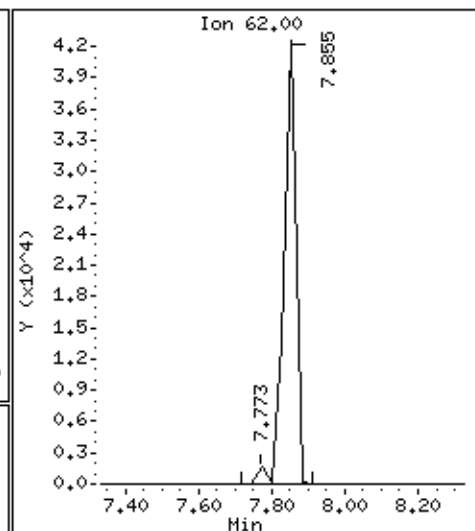
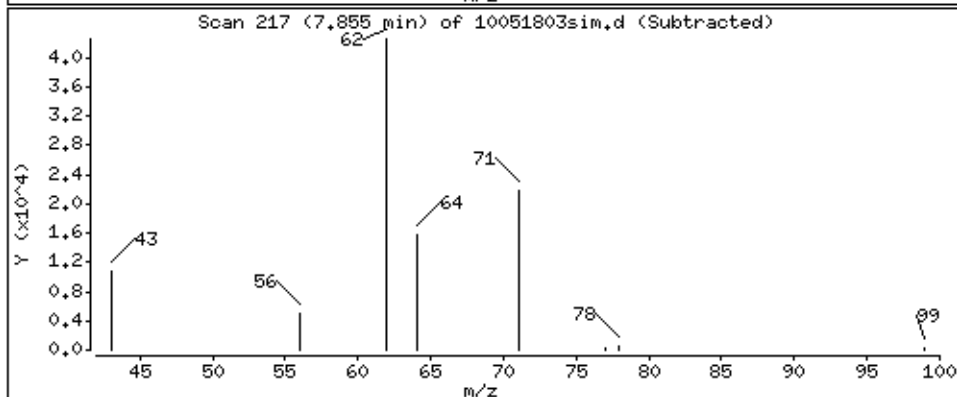
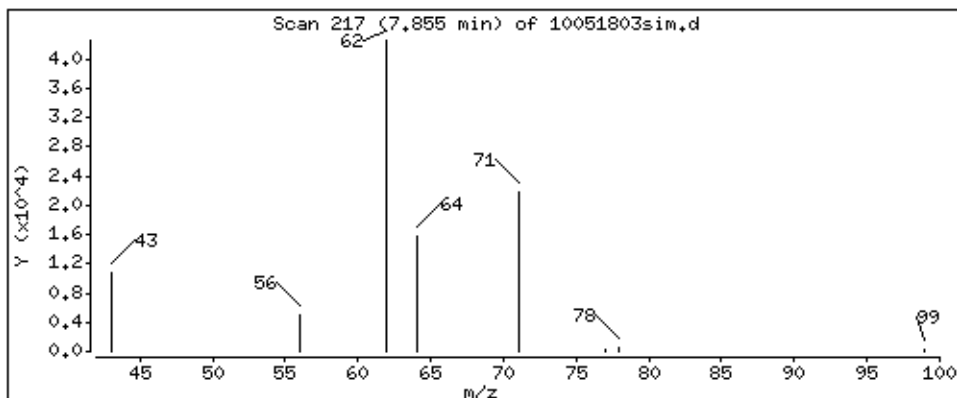
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

20 1,2-Dichloroethane

Concentration: 4.31500 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

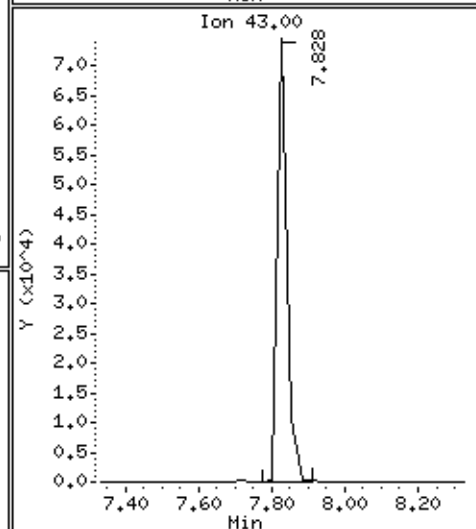
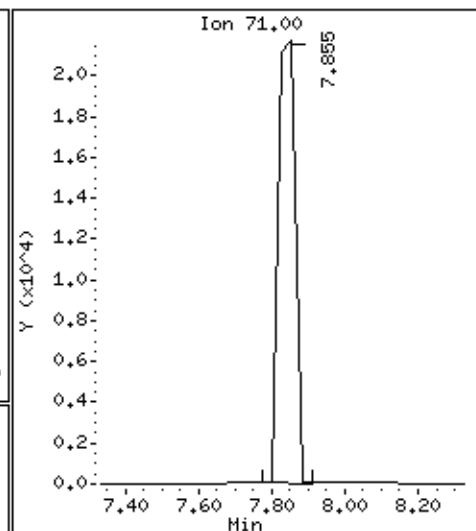
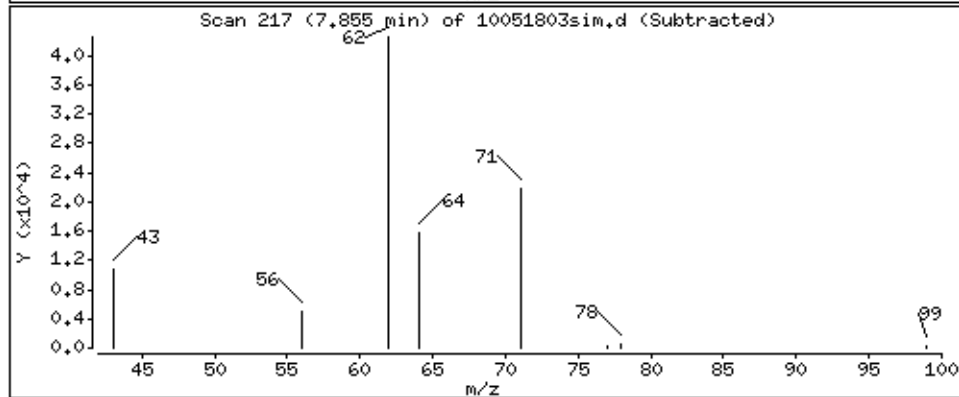
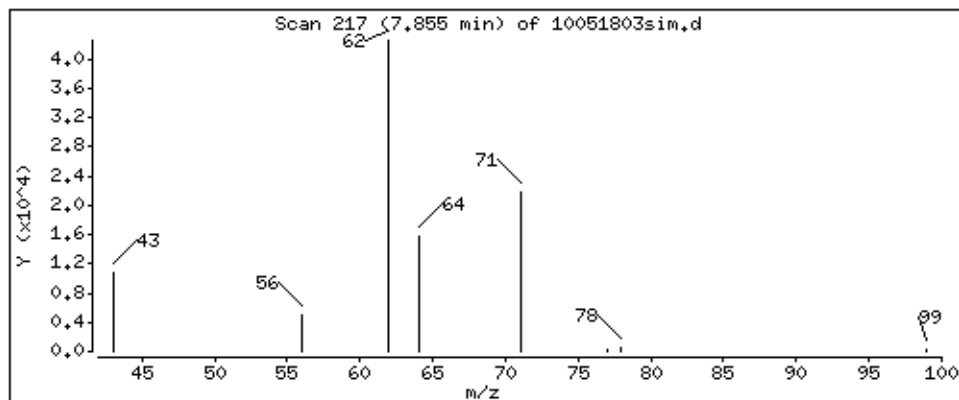
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

21 Heptane

Concentration: 4.35655 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

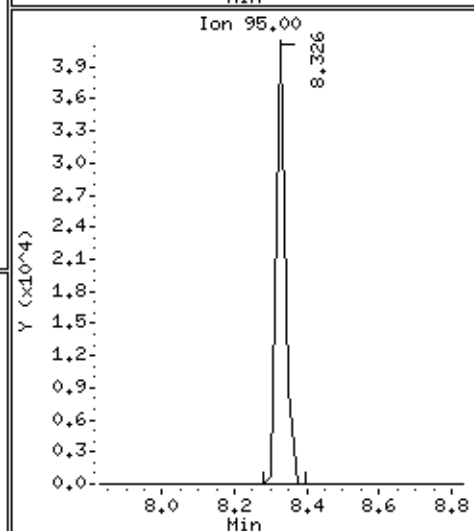
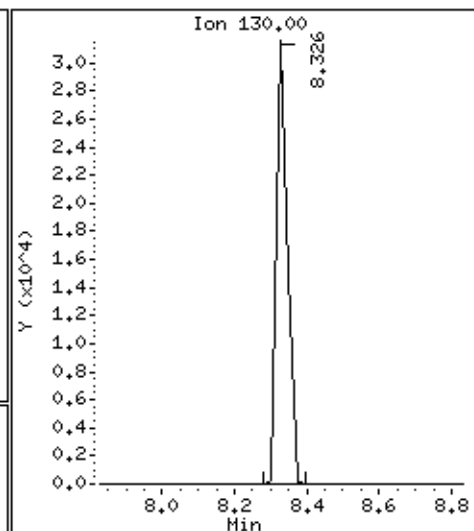
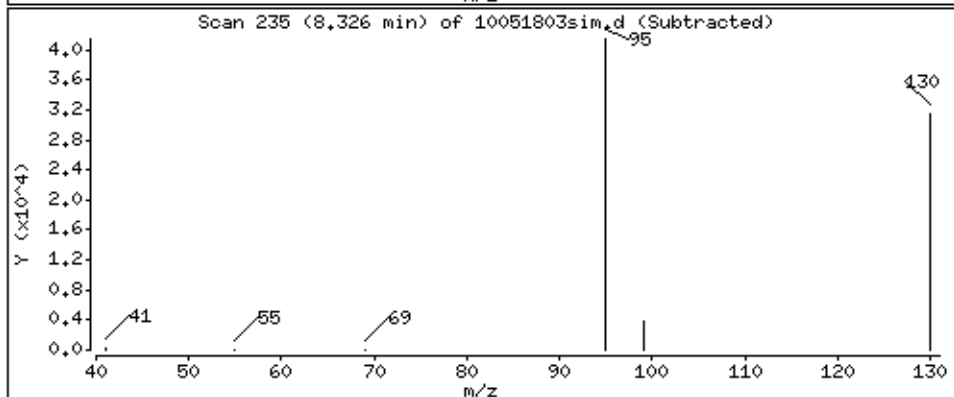
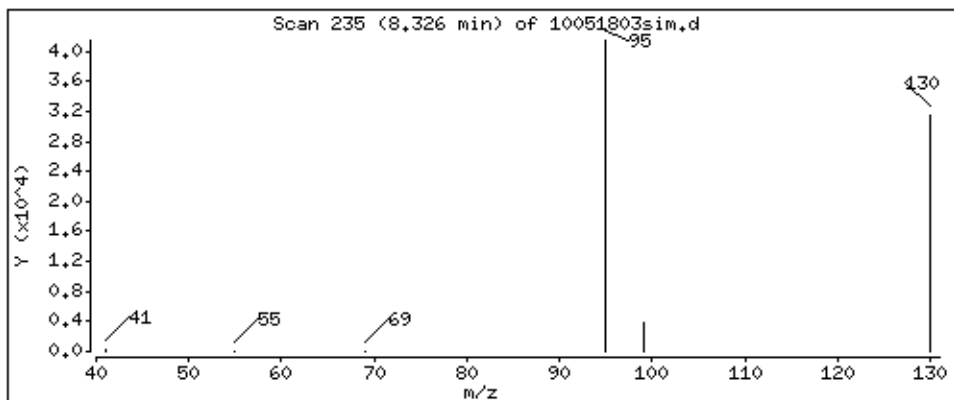
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 4.75463 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

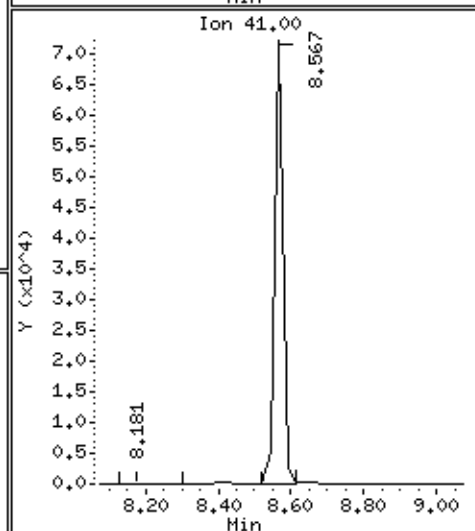
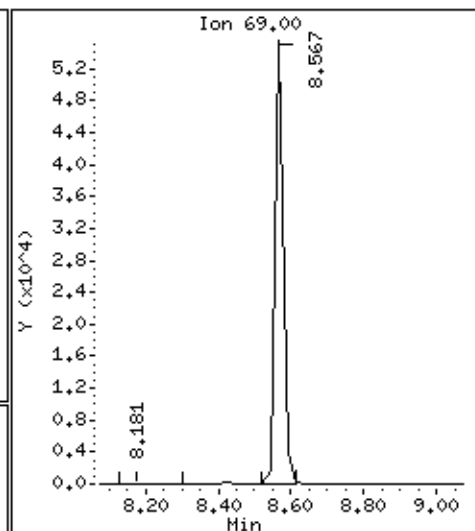
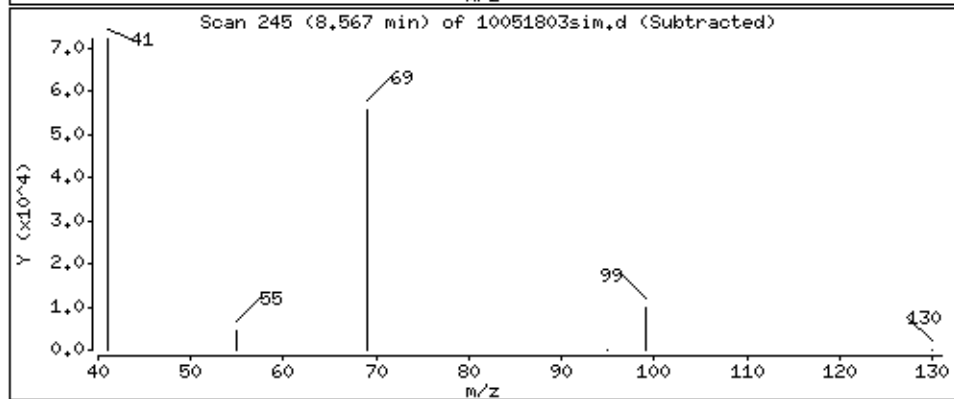
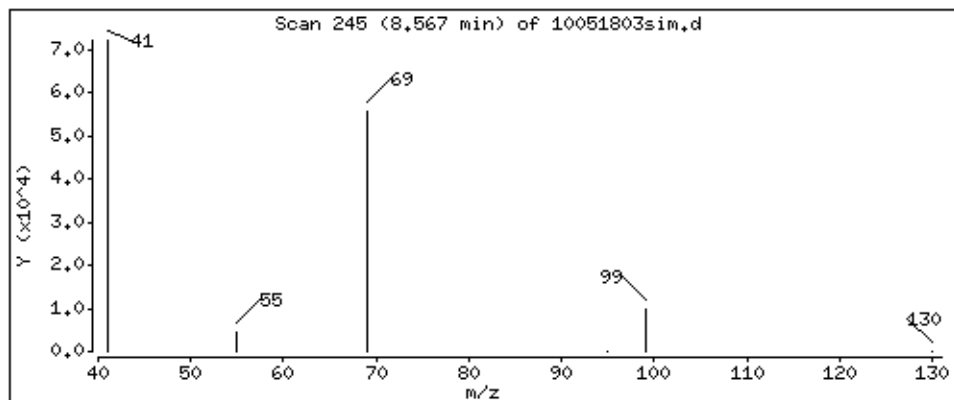
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

24 Methyl Methacrylate

Concentration: 5.07541 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

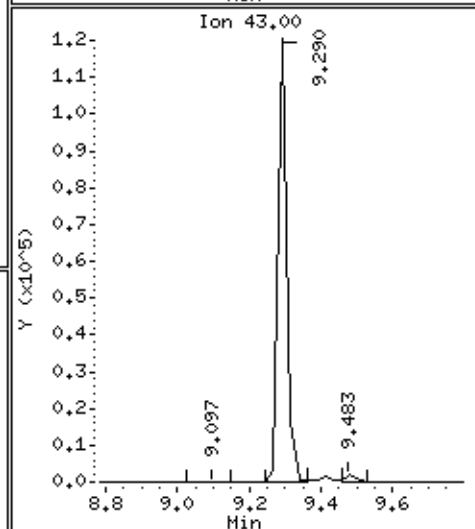
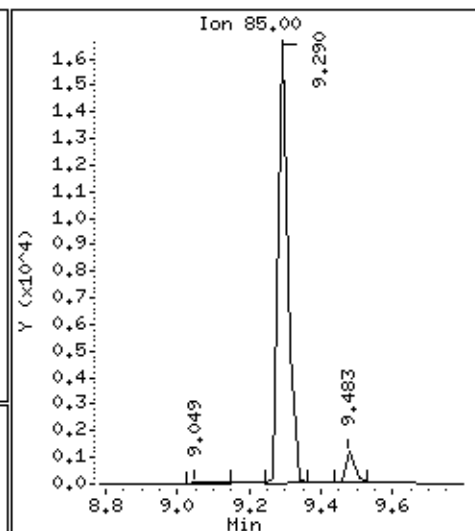
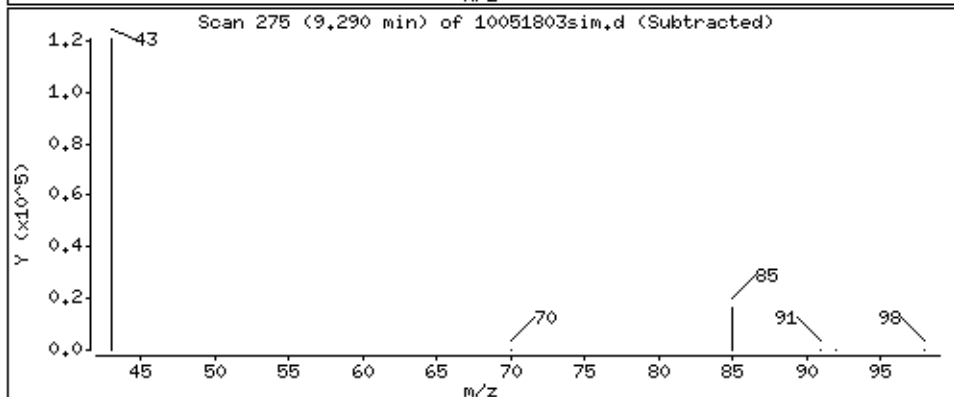
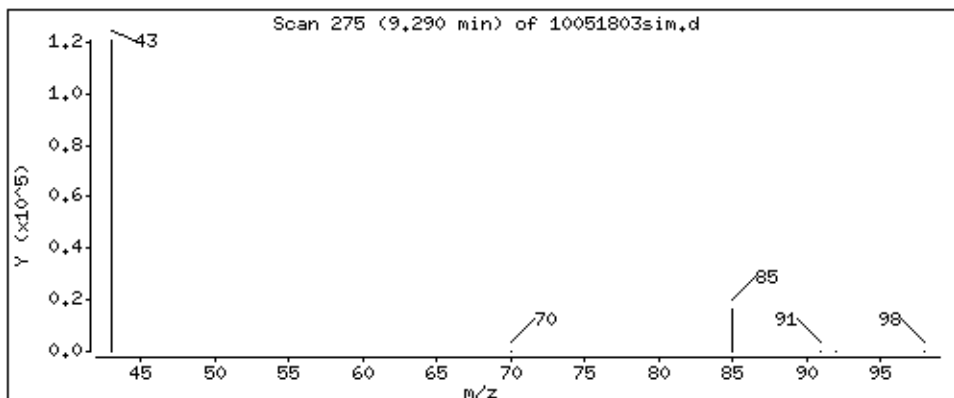
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

25 4-Methyl-2-pentanone

Concentration: 5.09368 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

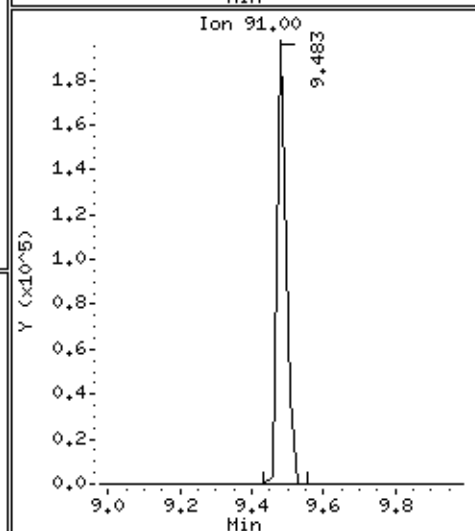
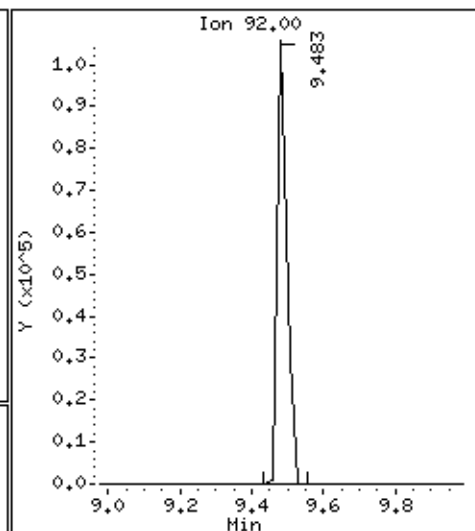
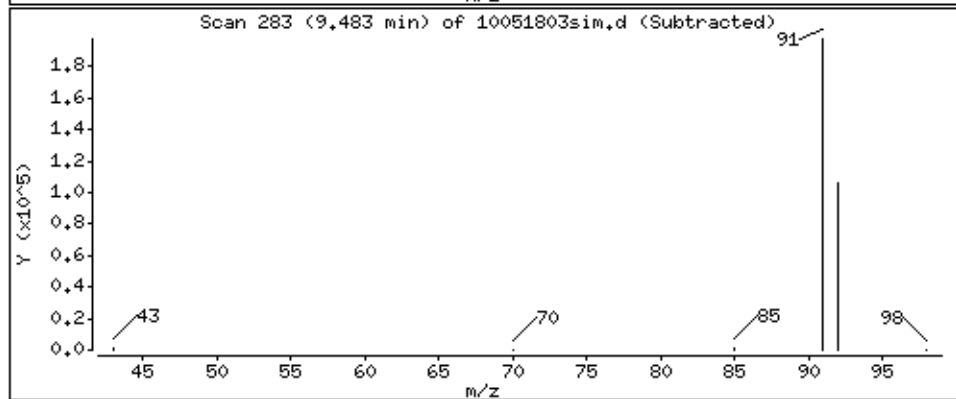
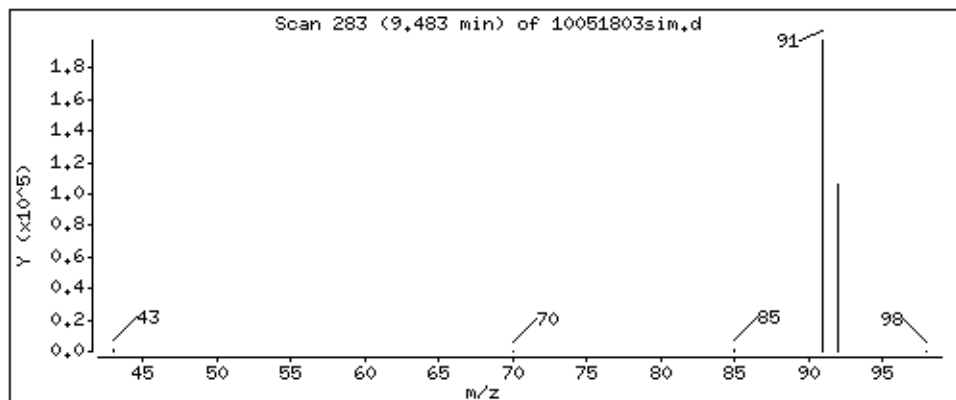
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 4.76081 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

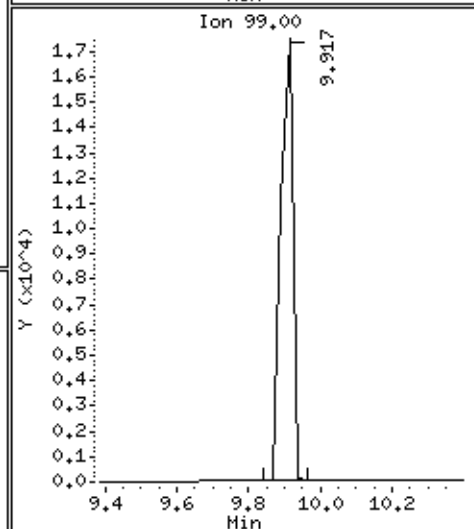
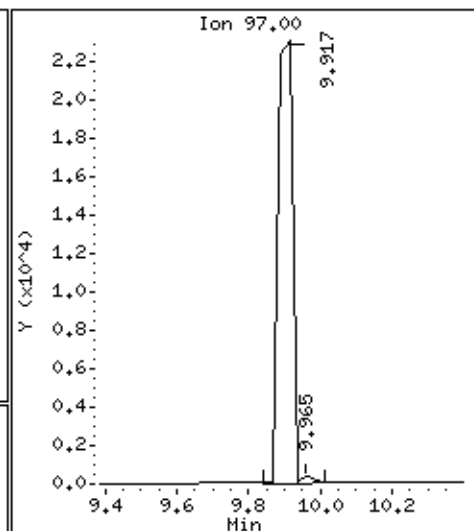
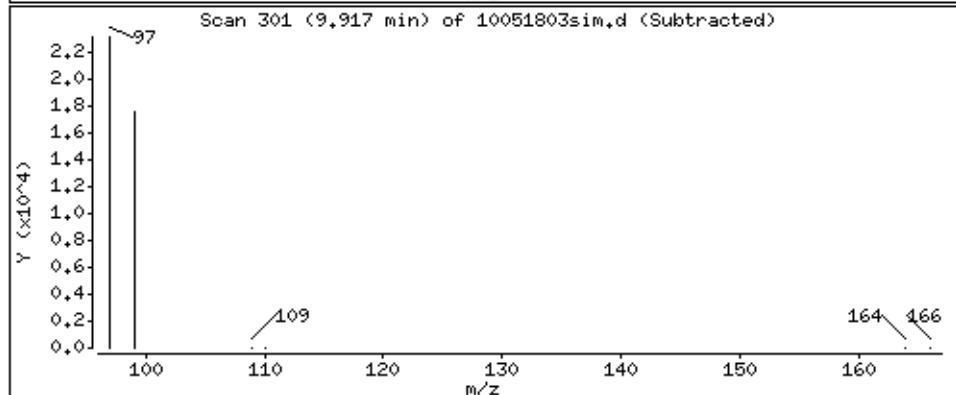
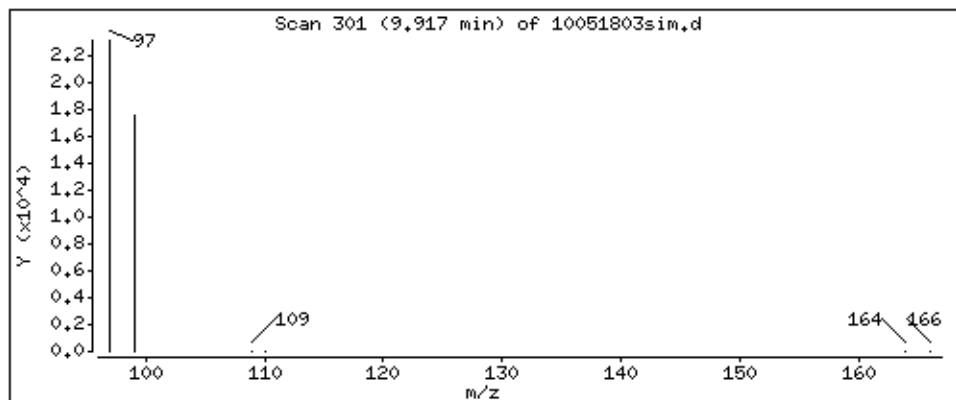
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

30 1,1,2-Trichloroethane

Concentration: 4.81969 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

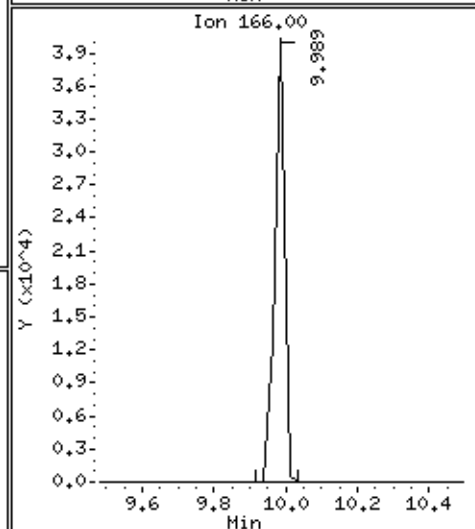
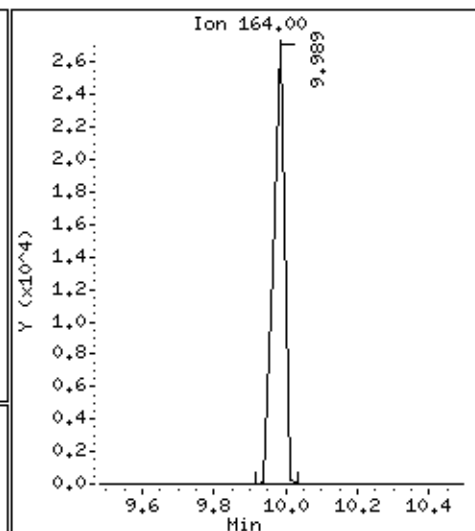
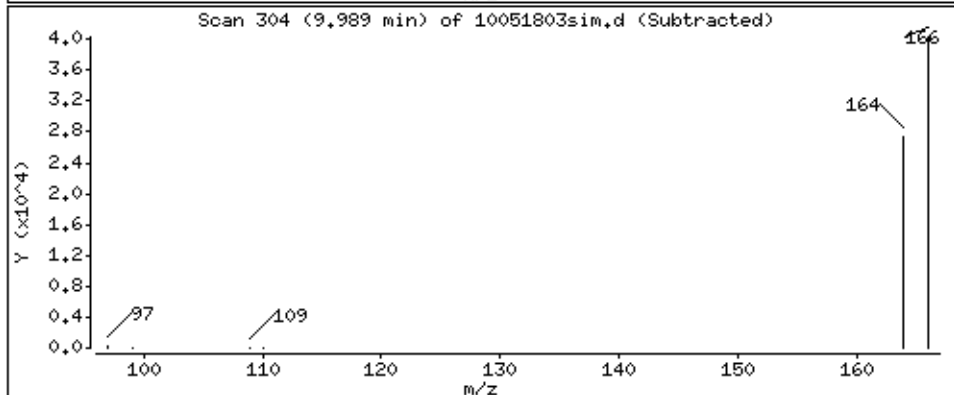
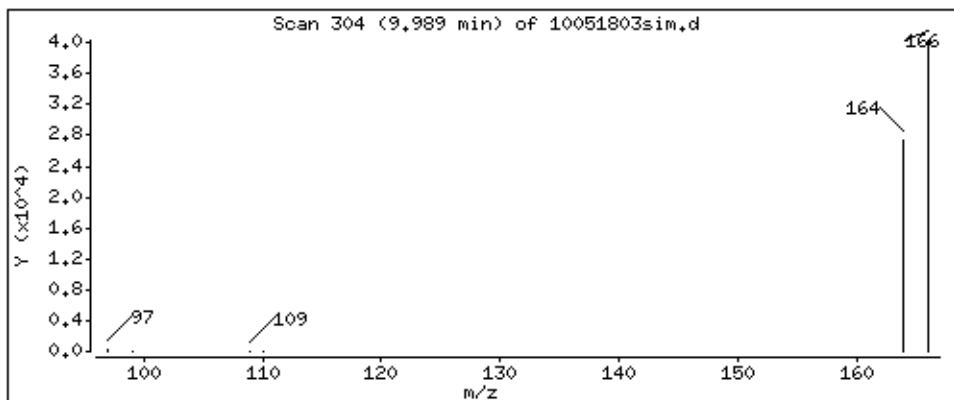
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

31 Tetrachloroethene

Concentration: 4.77024 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

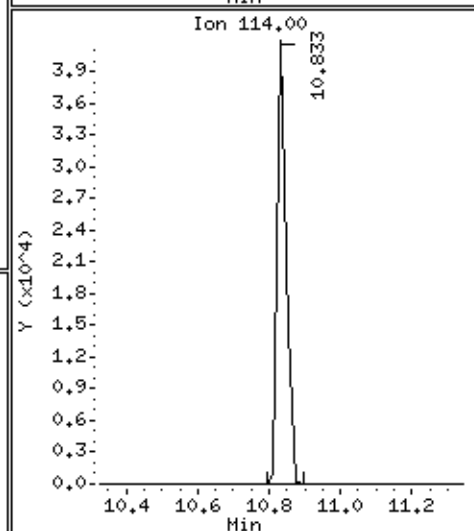
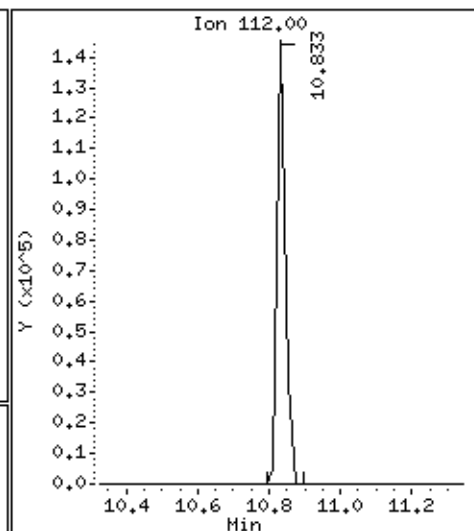
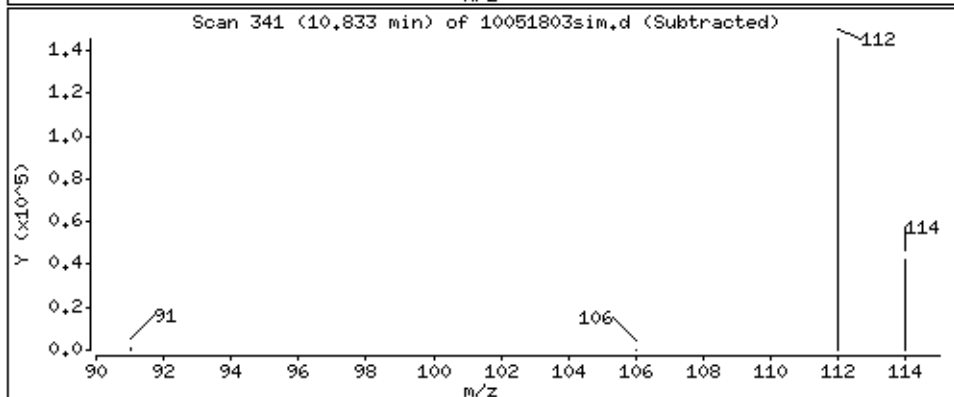
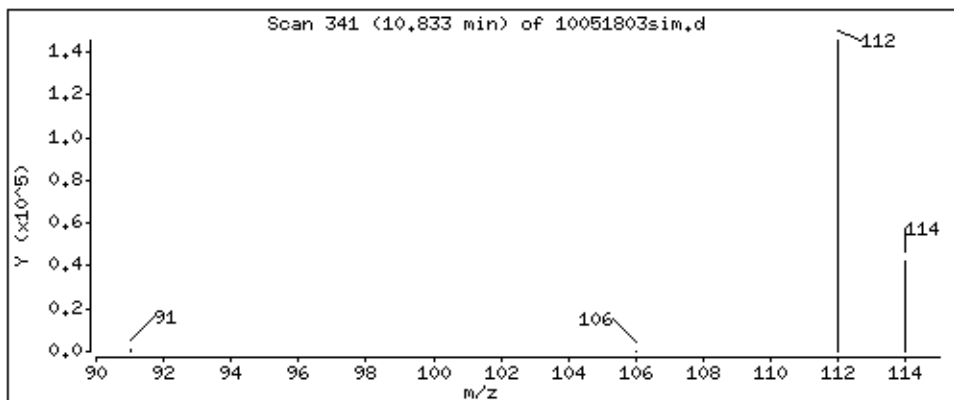
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

32 Chlorobenzene

Concentration: 4.92215 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

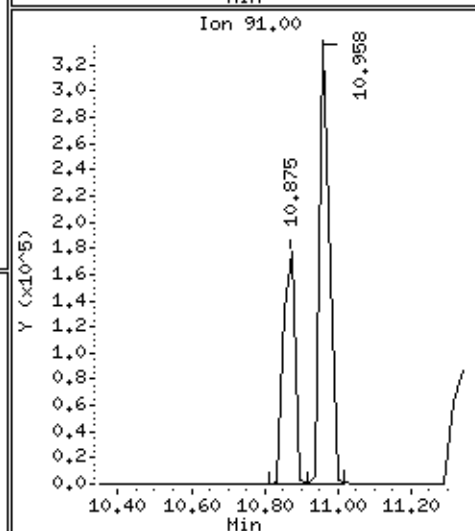
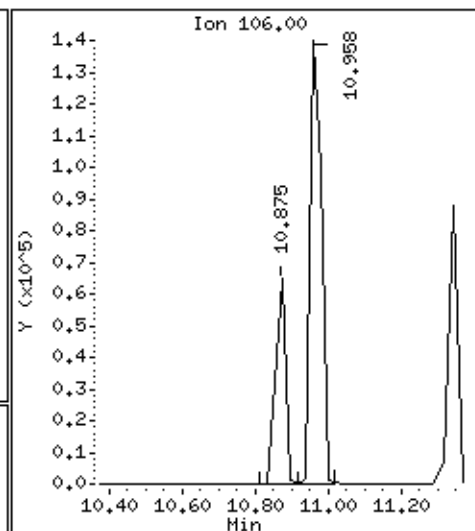
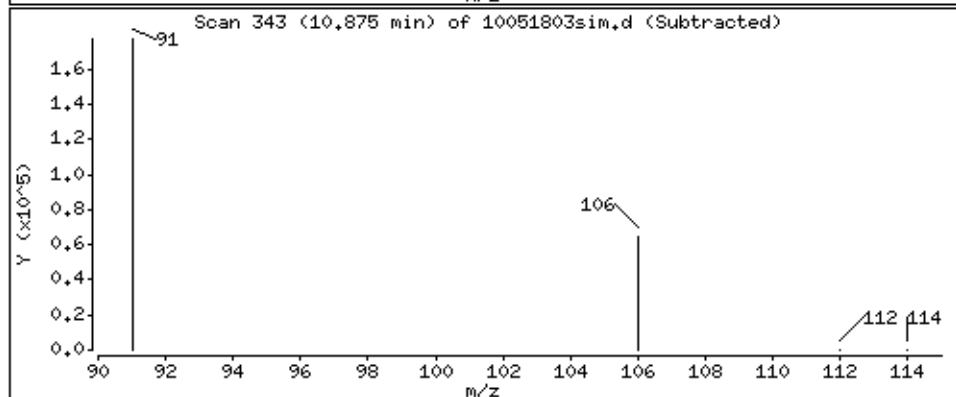
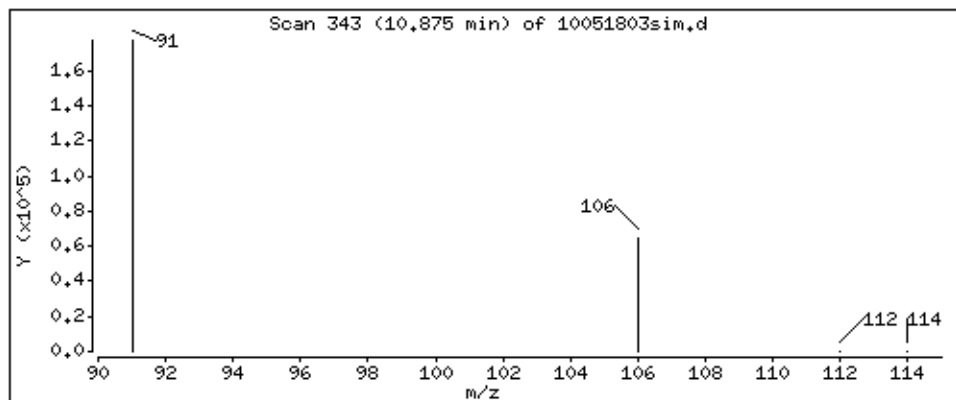
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 4.77753 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

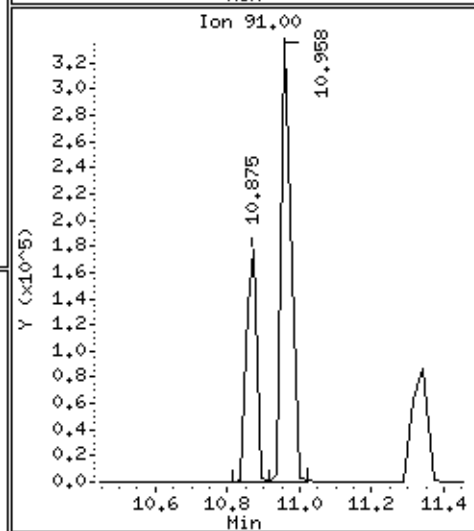
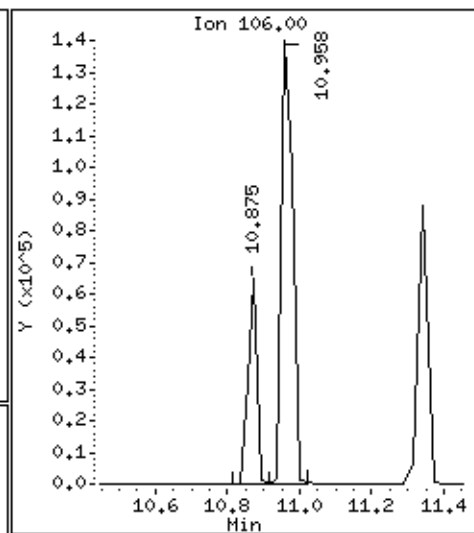
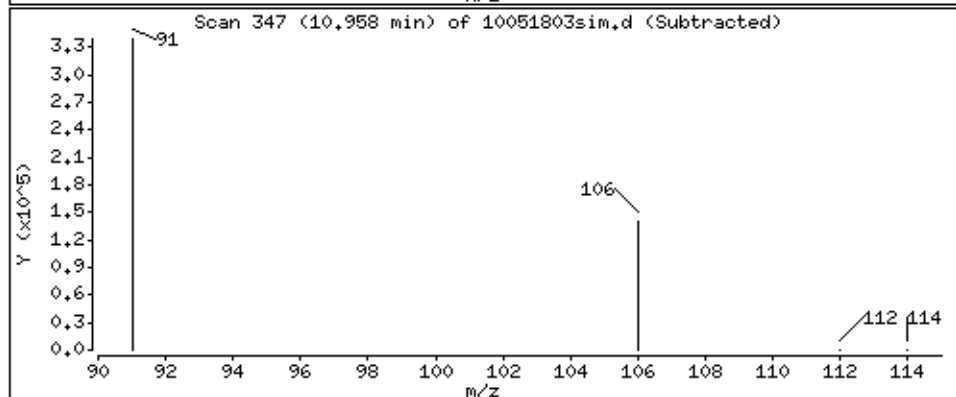
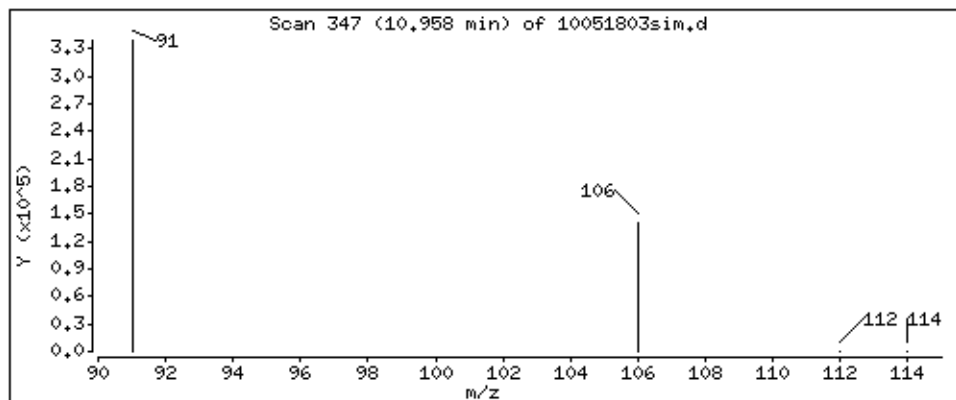
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 9.75533 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

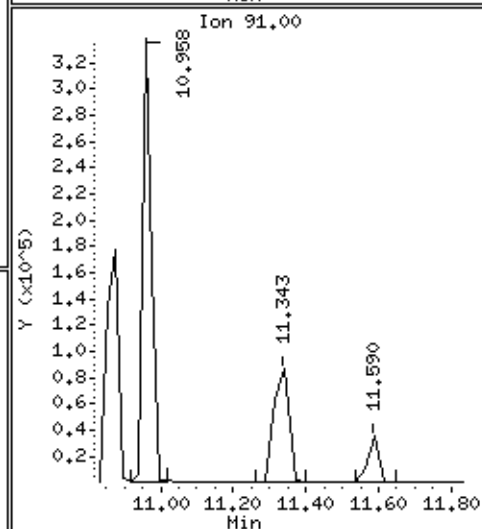
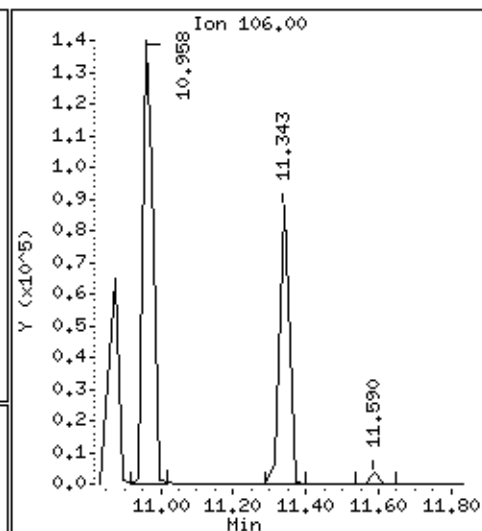
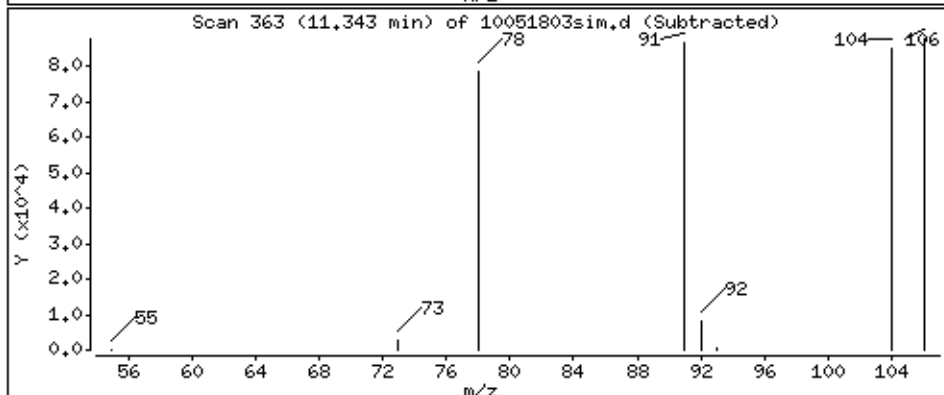
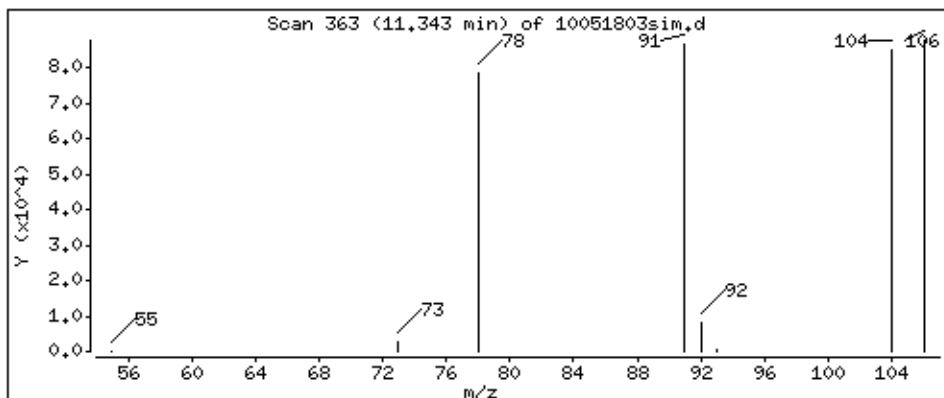
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 4.94028 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

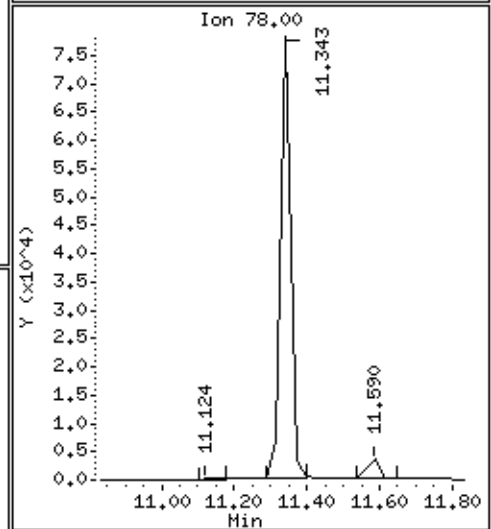
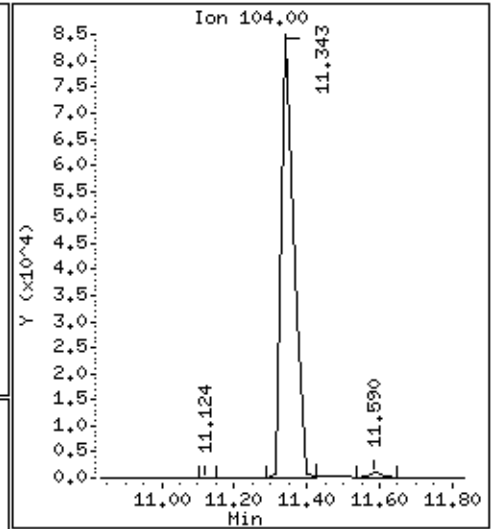
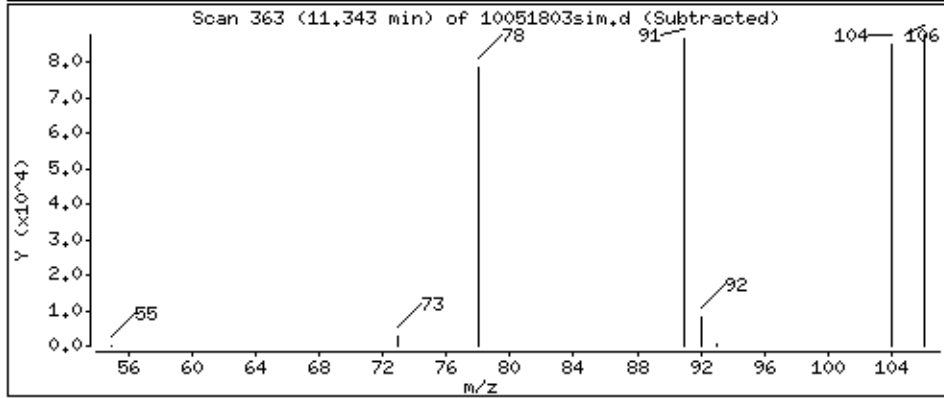
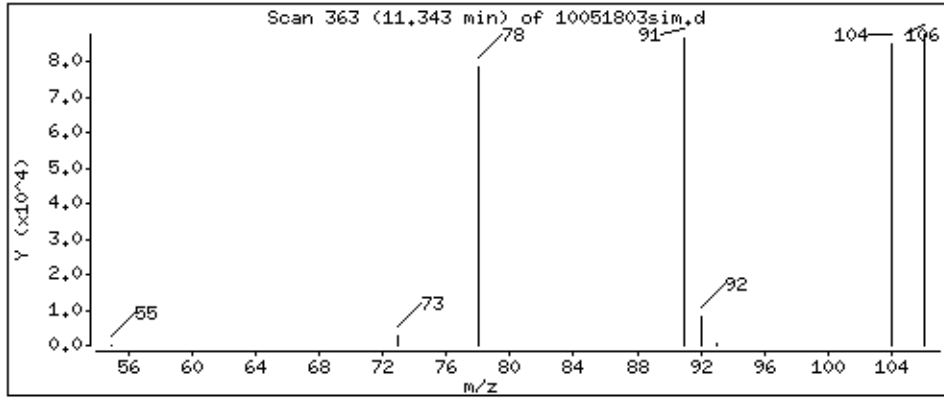
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

37 Styrene

Concentration: 4.98656 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

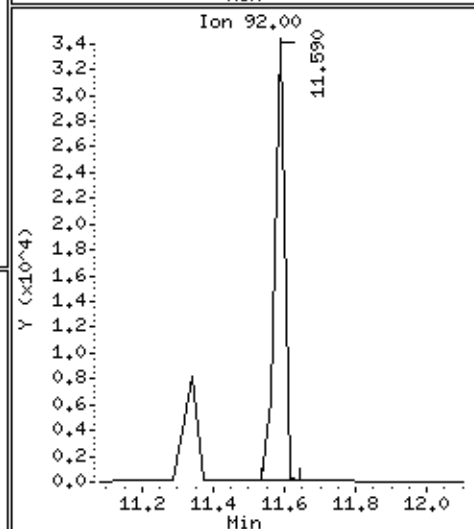
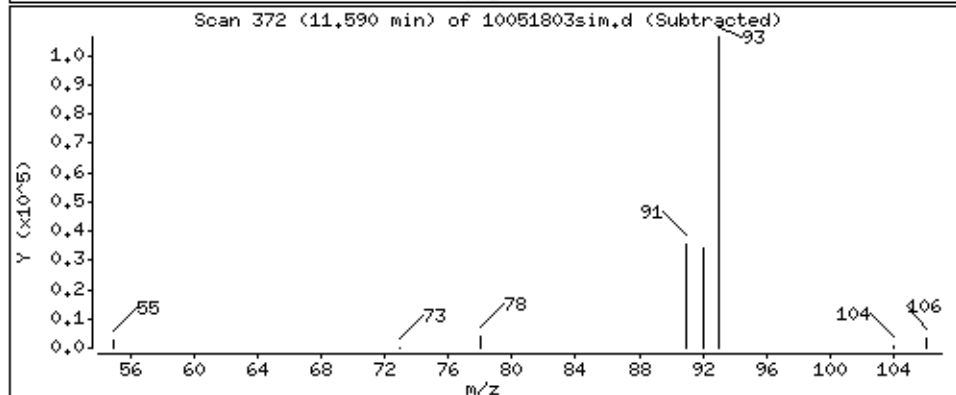
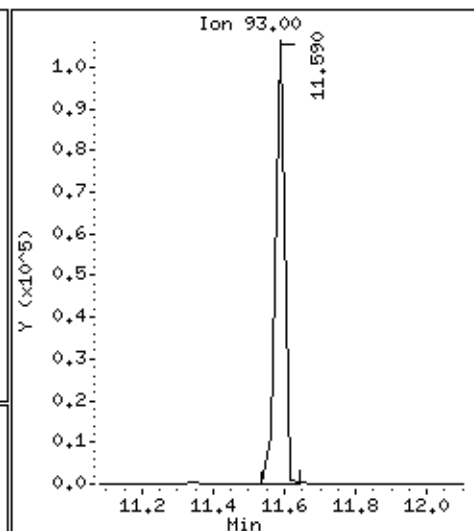
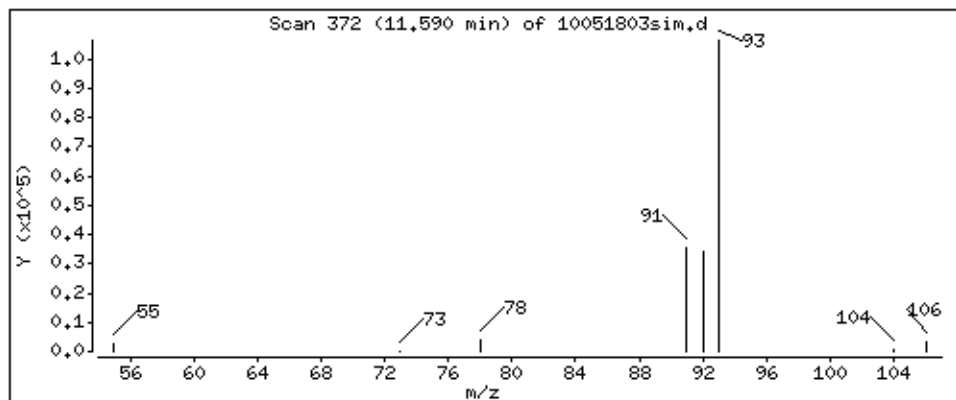
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

38 a-Pinene

Concentration: 5.37179 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

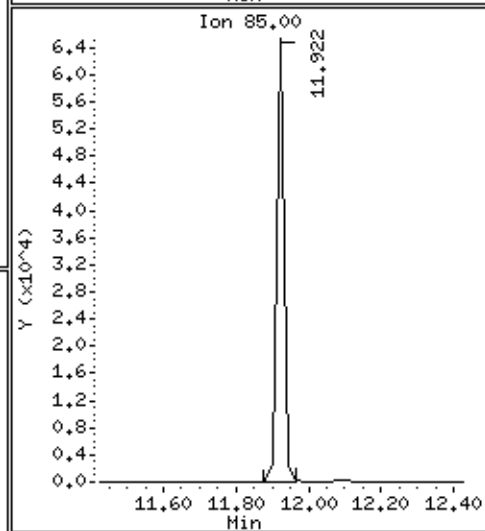
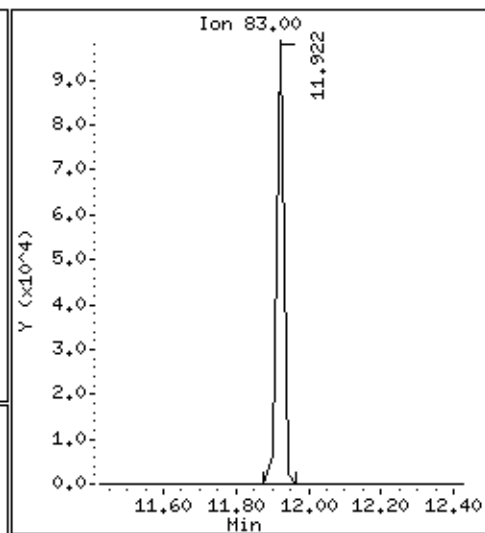
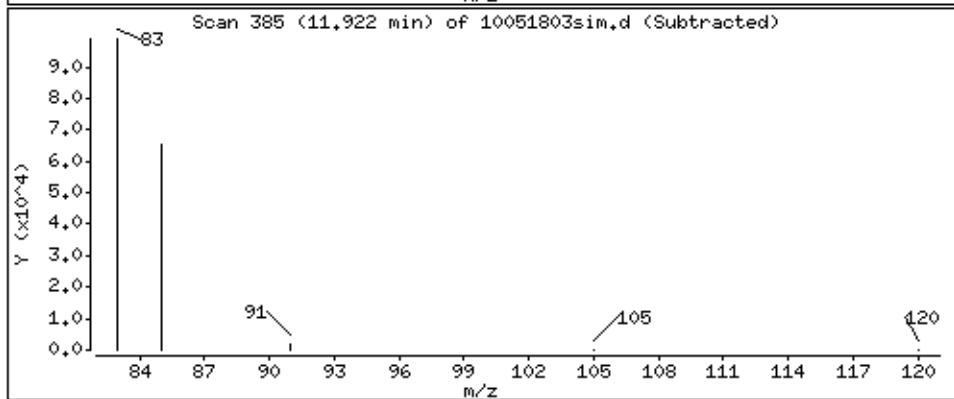
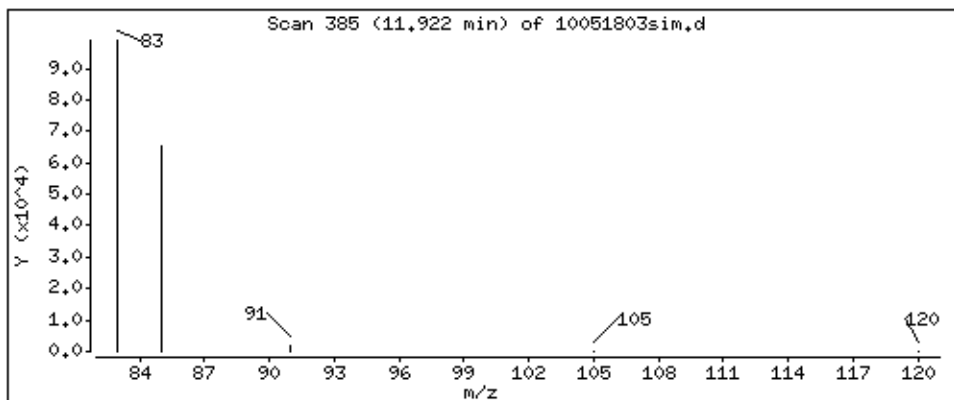
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

39 1,1,2,2-Tetrachloroethane-SPC

Concentration: 5.01161 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

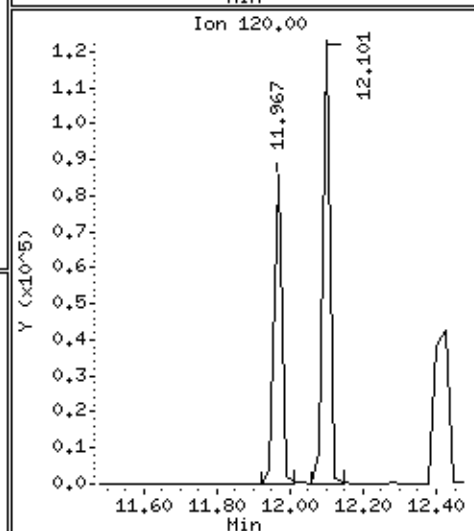
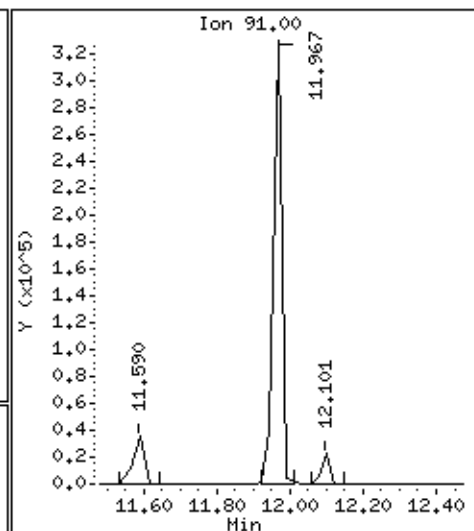
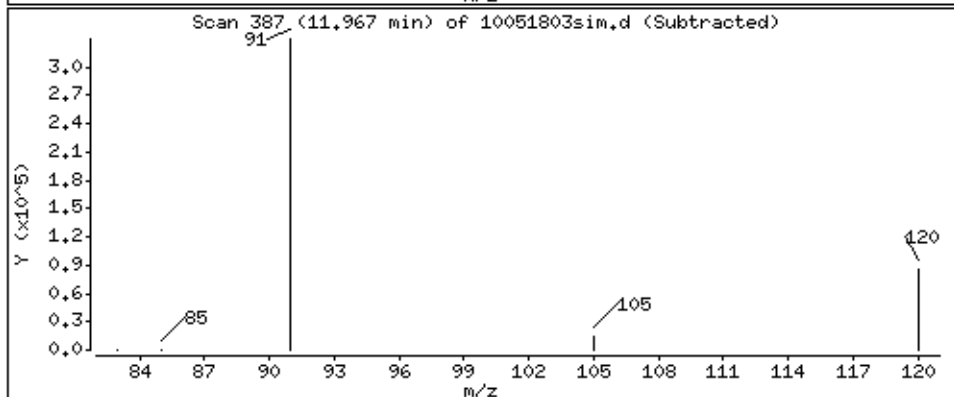
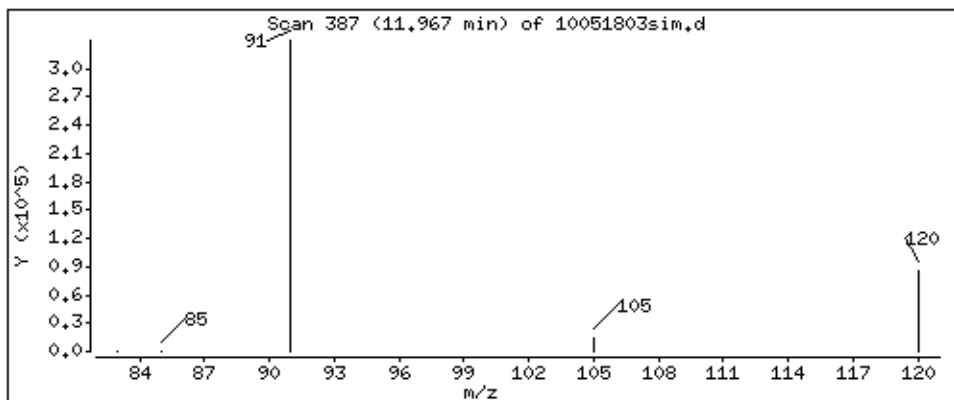
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

40 Propylbenzene

Concentration: 5.23064 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

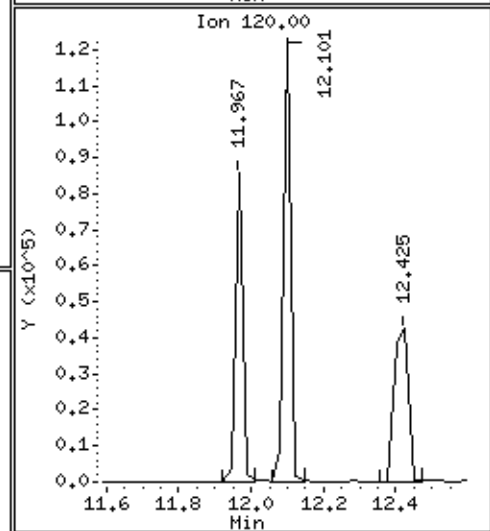
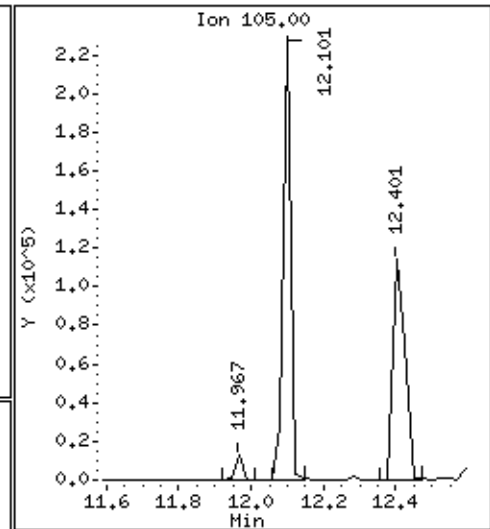
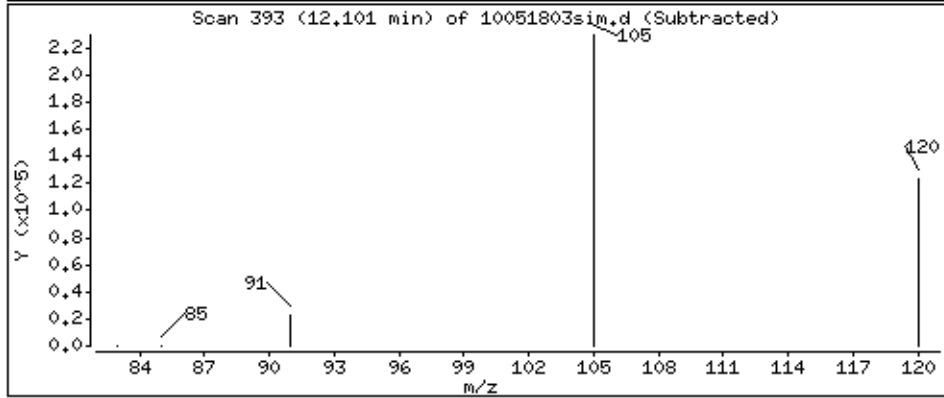
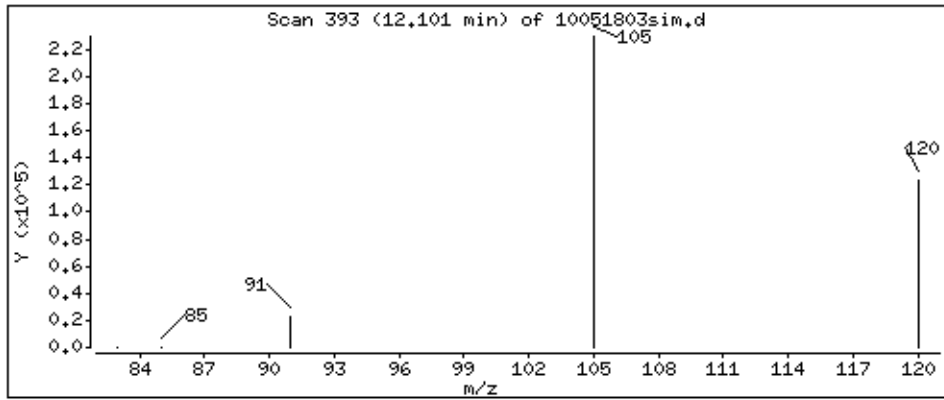
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 5.22822 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

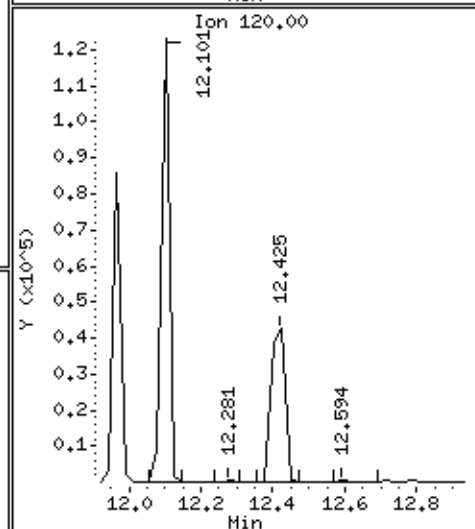
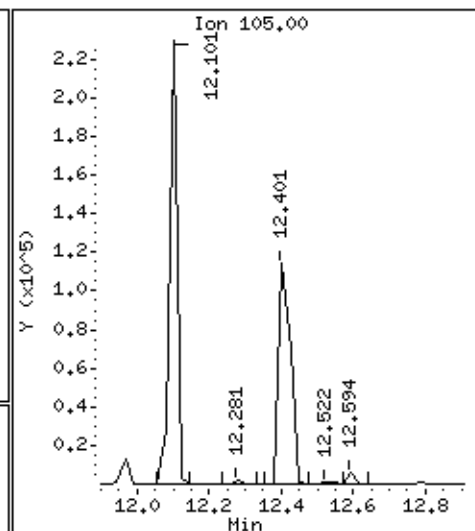
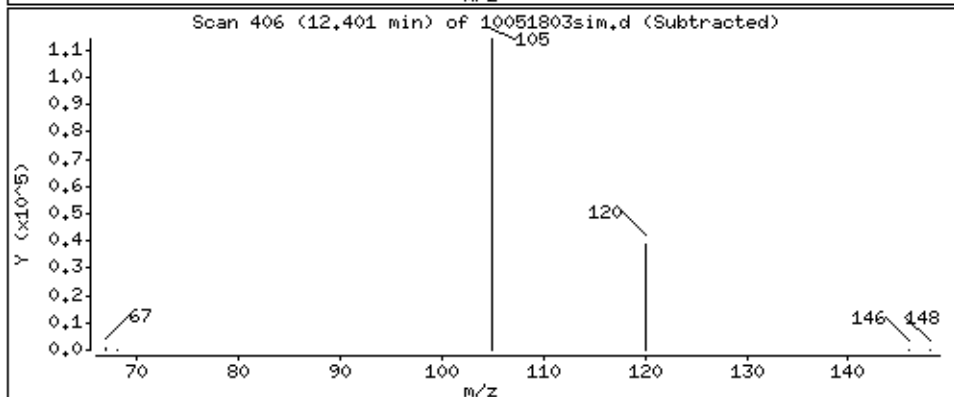
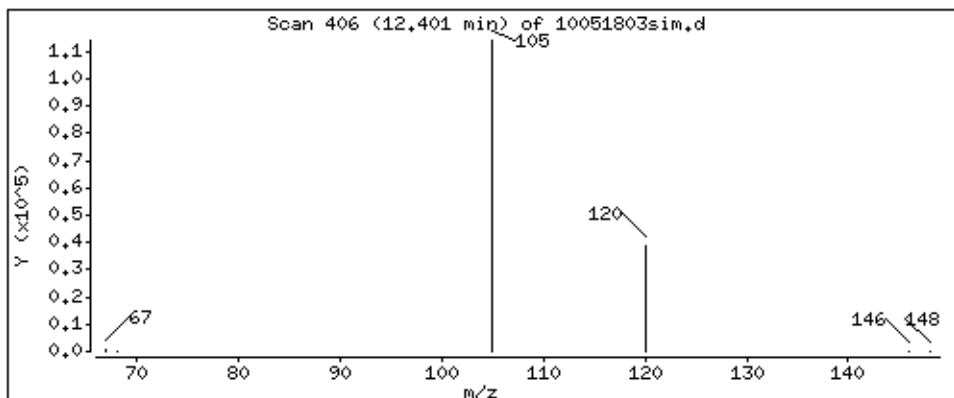
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 5.08997 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

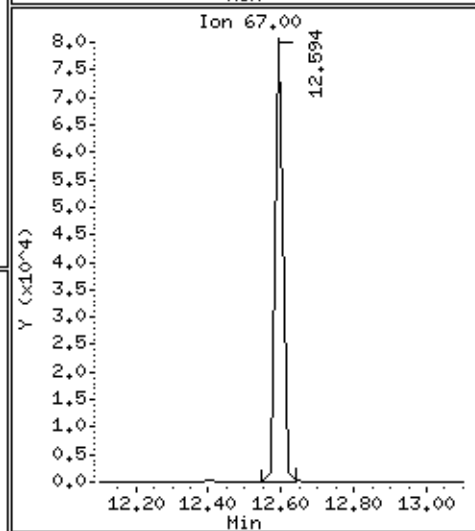
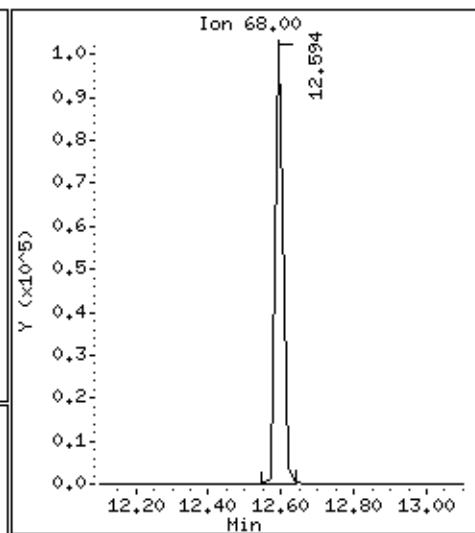
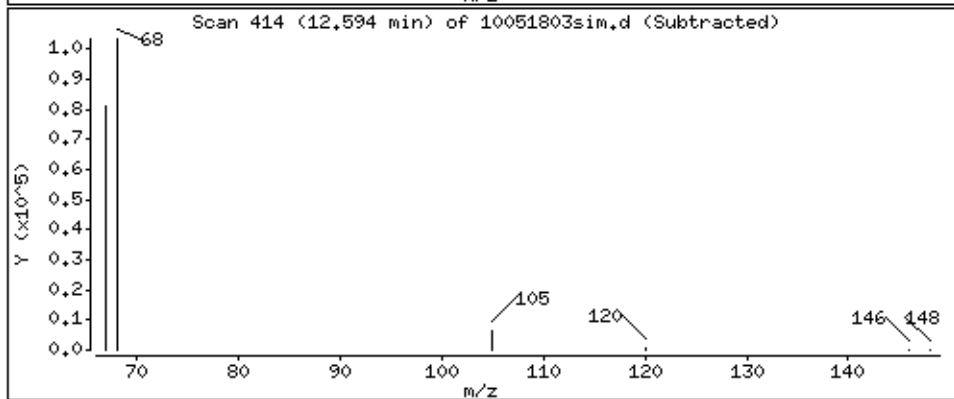
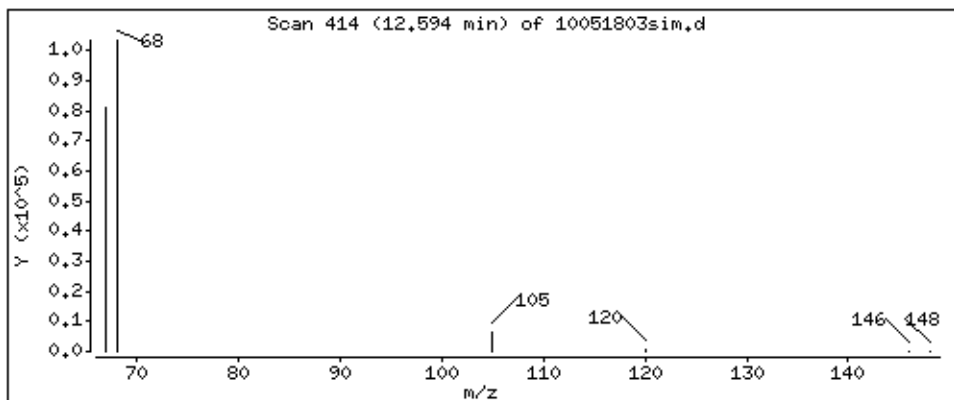
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

43 R-(+)-Limonene

Concentration: 5.15289 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

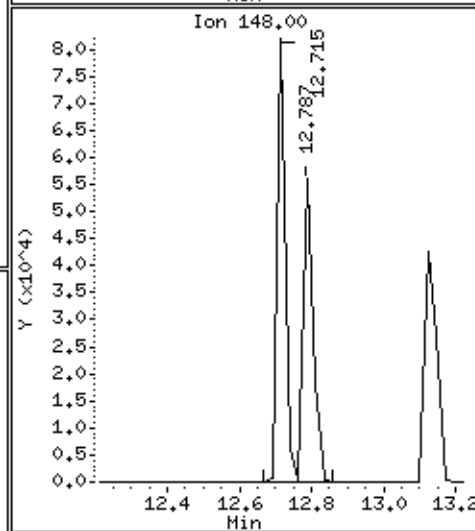
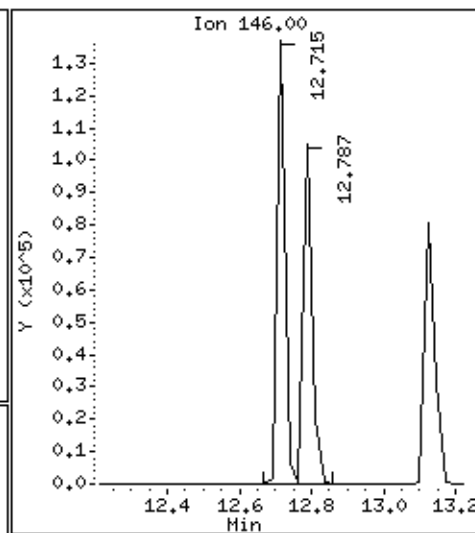
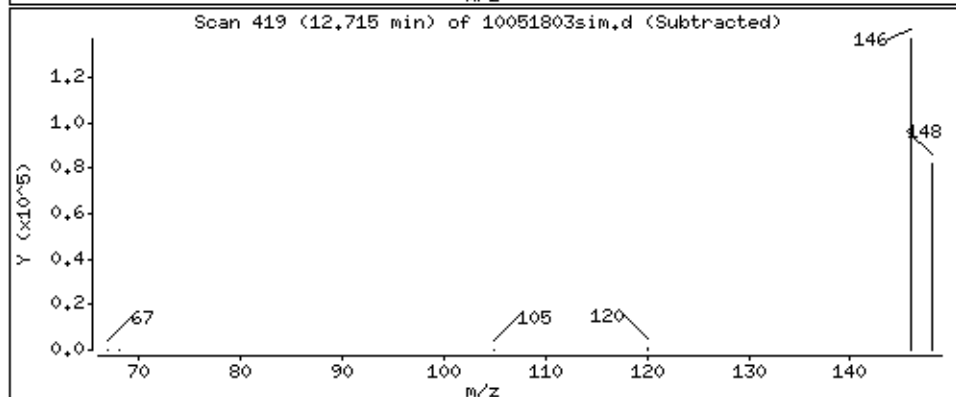
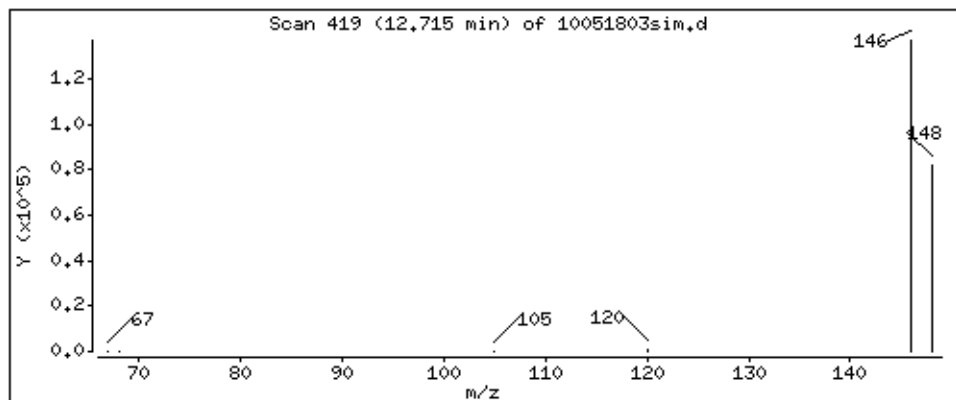
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

44 1,3-Dichlorobenzene

Concentration: 4.74933 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

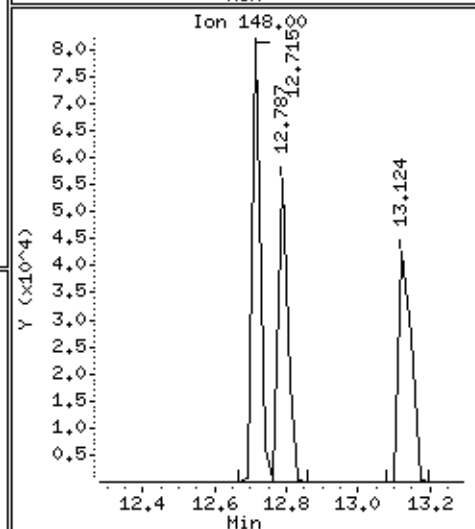
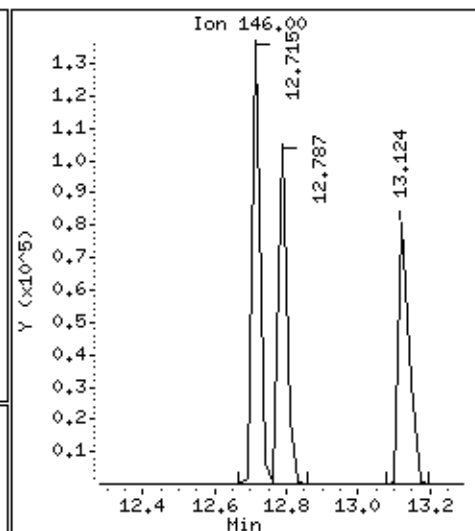
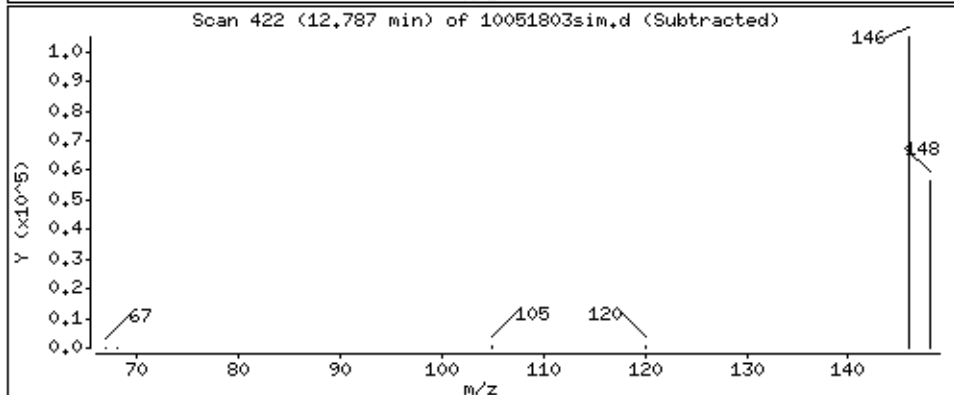
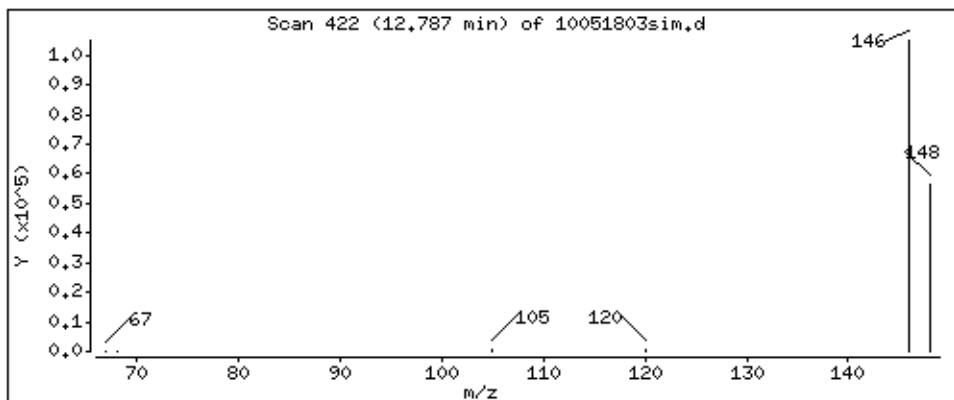
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

45 1,4-Dichlorobenzene

Concentration: 4.88650 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

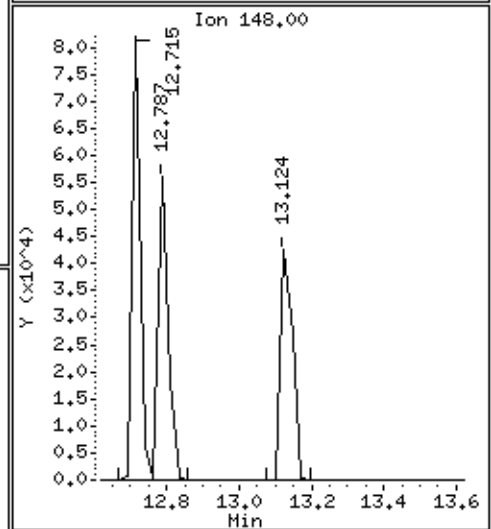
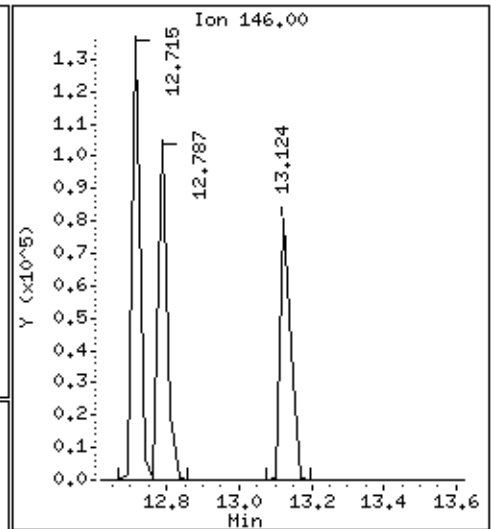
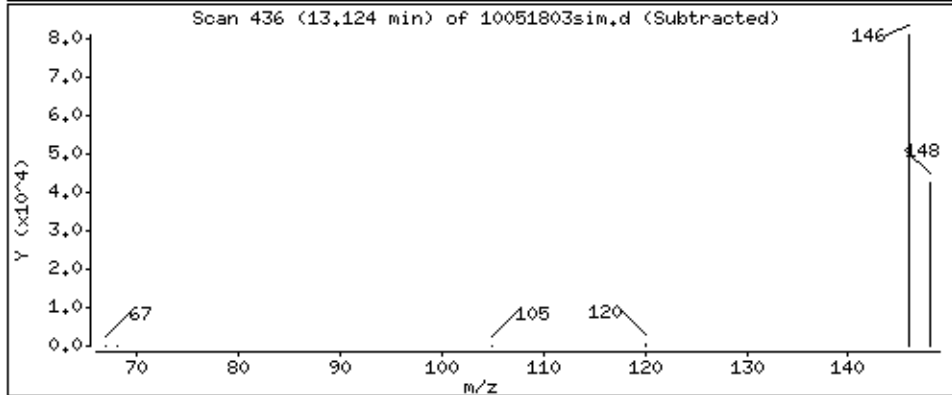
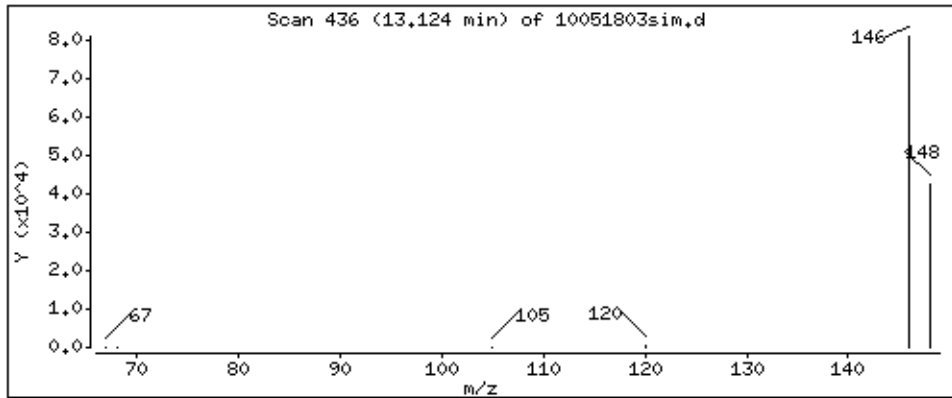
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

46 1,2-Dichlorobenzene

Concentration: 4.86051 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: 1869-165-5;ICV

Volume Injected (uL): 1.0

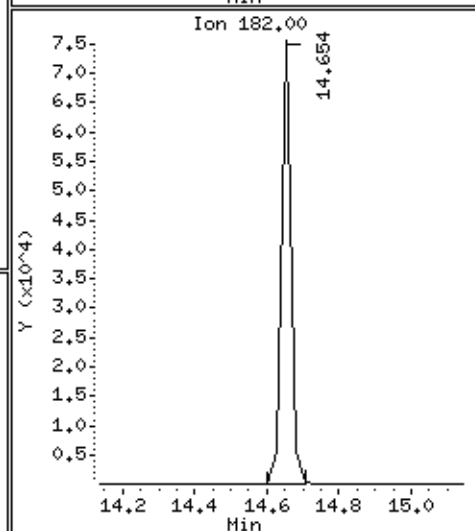
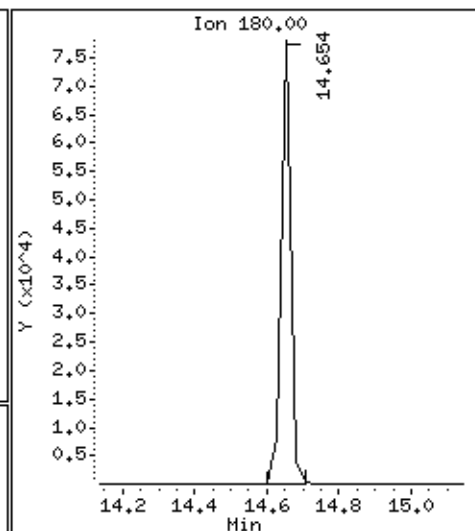
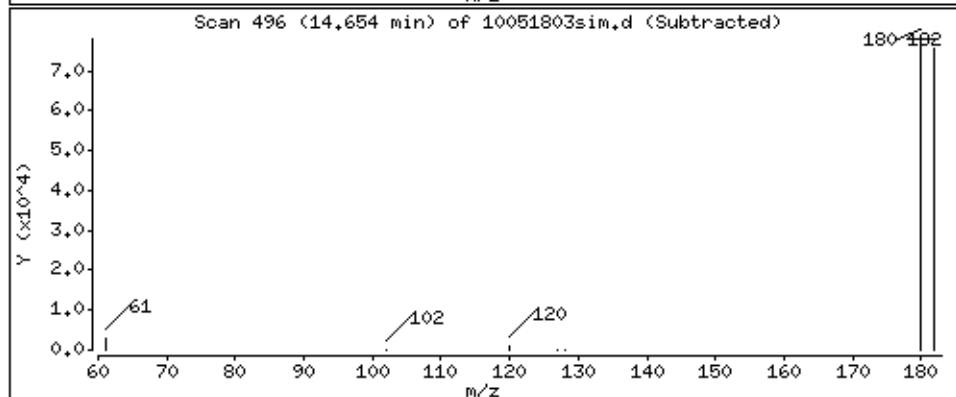
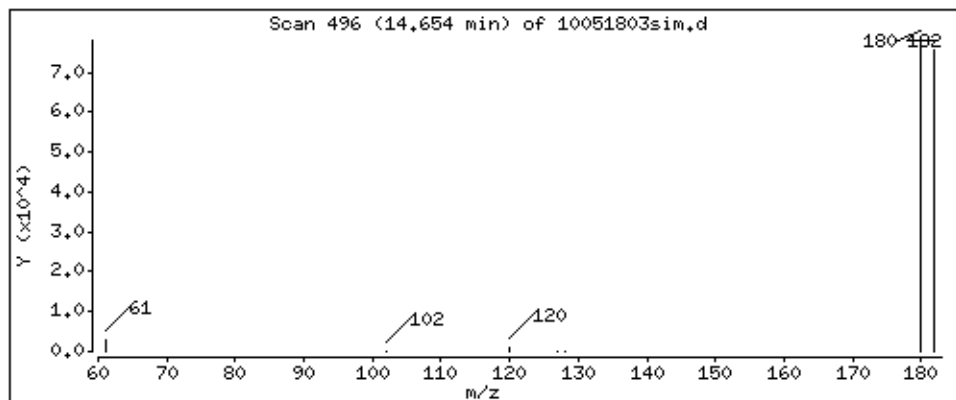
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

48 1,2,4-Trichlorobenzene

Concentration: 5.30369 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

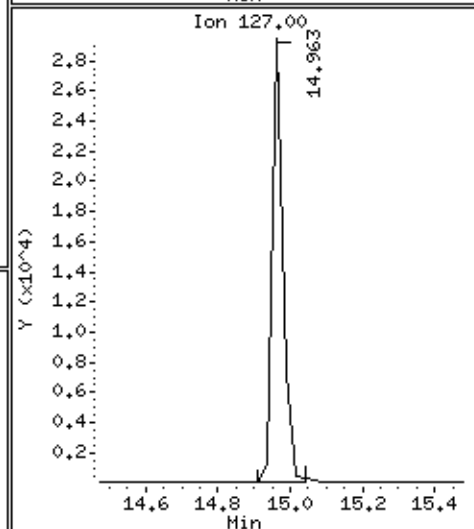
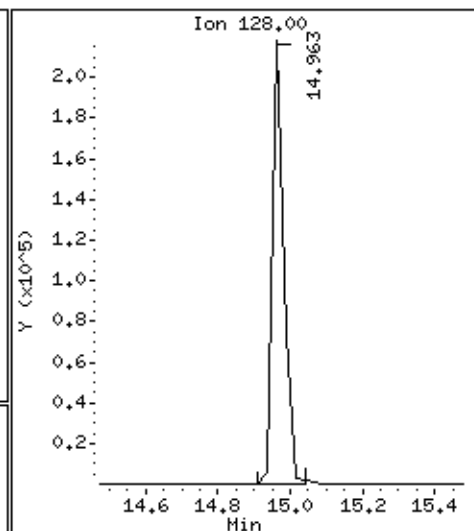
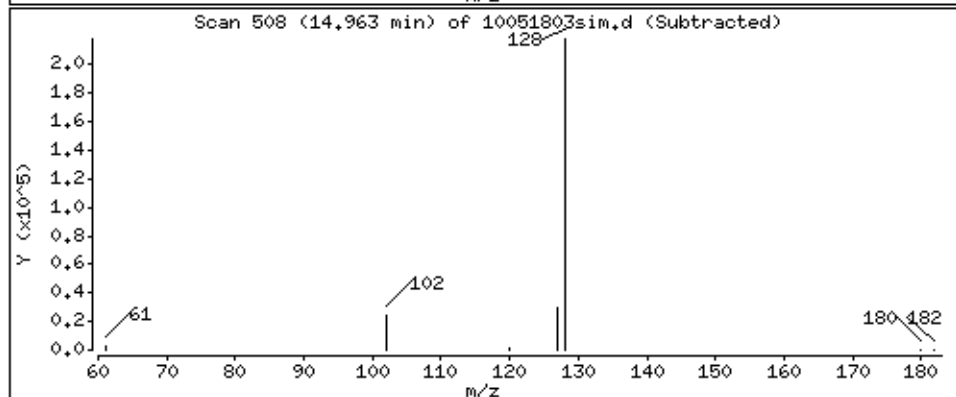
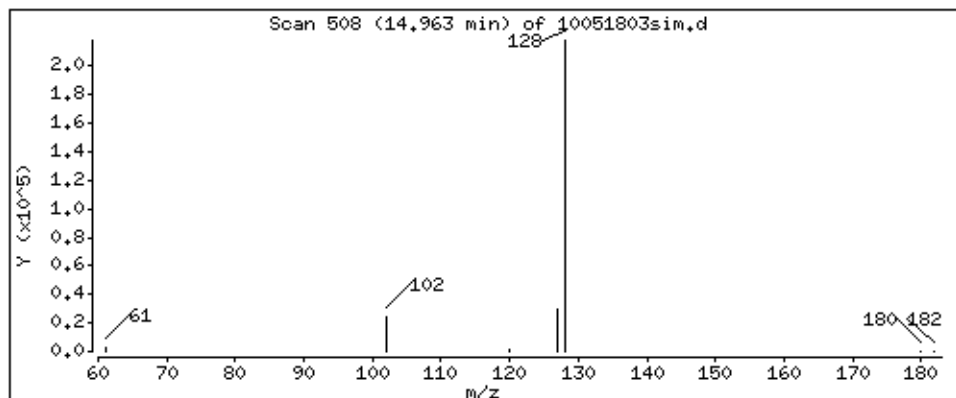
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

49 Naphthalene

Concentration: 6.22096 ug



Date : 18-MAY-2011 10:13

Client ID: ICV

Instrument: msd10.i

Sample Info: ;1869-165-5;ICV

Volume Injected (uL): 1.0

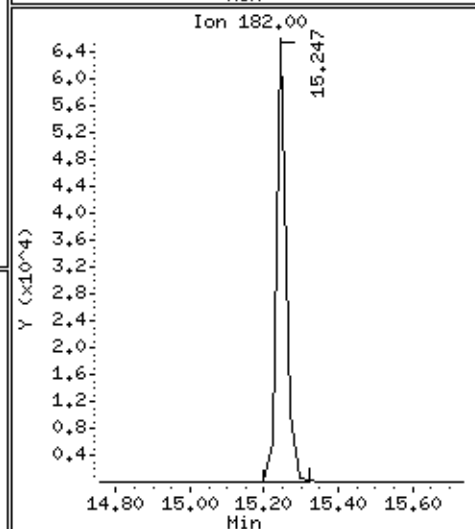
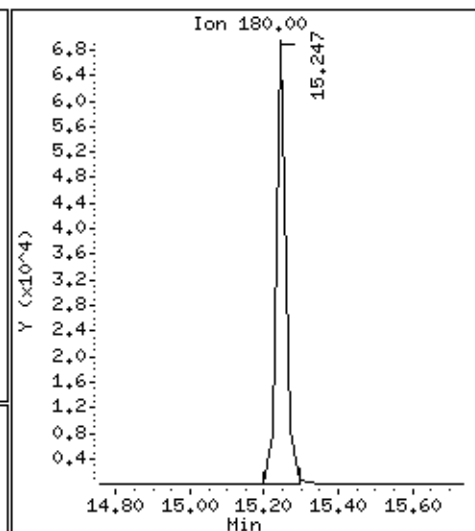
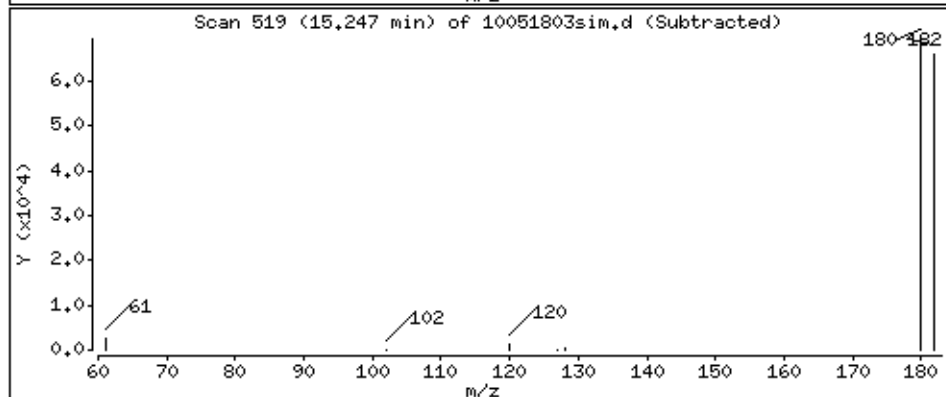
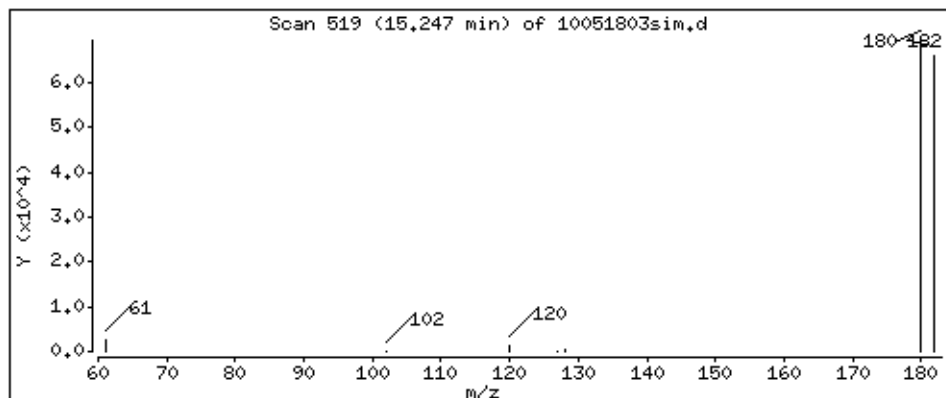
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

50 1,2,3-Trichlorobenzene

Concentration: 5.01171 ug



						AMOUNTS	
		QUANT	SIG			CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	350840	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.917	(1.020)	867	0.05000	0.0529066
31 Tetrachloroethene	164	9.989	9.989	(1.030)	720	0.05000	0.0487269
32 Chlorobenzene	112	10.834	10.834	(1.117)	2742	0.05000	0.0494790
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	1349	0.05000	0.0443004
34 m,p-Xylene	106	10.958	10.958	(1.130)	3240	0.10000	0.0878244
36 o-Xylene	106	11.343	11.344	(1.169)	1693	0.05000	0.0447667
37 Styrene	104	11.343	11.344	(1.169)	2009	0.05000	0.0433608(a)
38 a-Pinene	93	11.590	11.591	(1.195)	1864	0.05000	0.0429955
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	1599	0.05000	0.0465951
40 Propylbenzene	91	11.967	11.967	(1.234)	6274	0.05000	0.0542857
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	3497	0.05000	0.0439787
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	2651	0.05000	0.0422571
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	1021	0.05000	0.0282689(a)
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	2367	0.05000	0.0447028
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	2019	0.05000	0.0455874
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	1880	0.05000	0.0468409
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	1349	0.05000	0.0429223
49 Naphthalene	128	14.981	14.981	(1.544)	4176	0.05000	0.0467324
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	1352	0.05000	0.0427923

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051705sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-0.05

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	407864	203932	815728	350840	-13.98

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051705sim.d

Date : 17-May-2011 12:58

Client ID:

Sample Info: #1869-179-0.05;

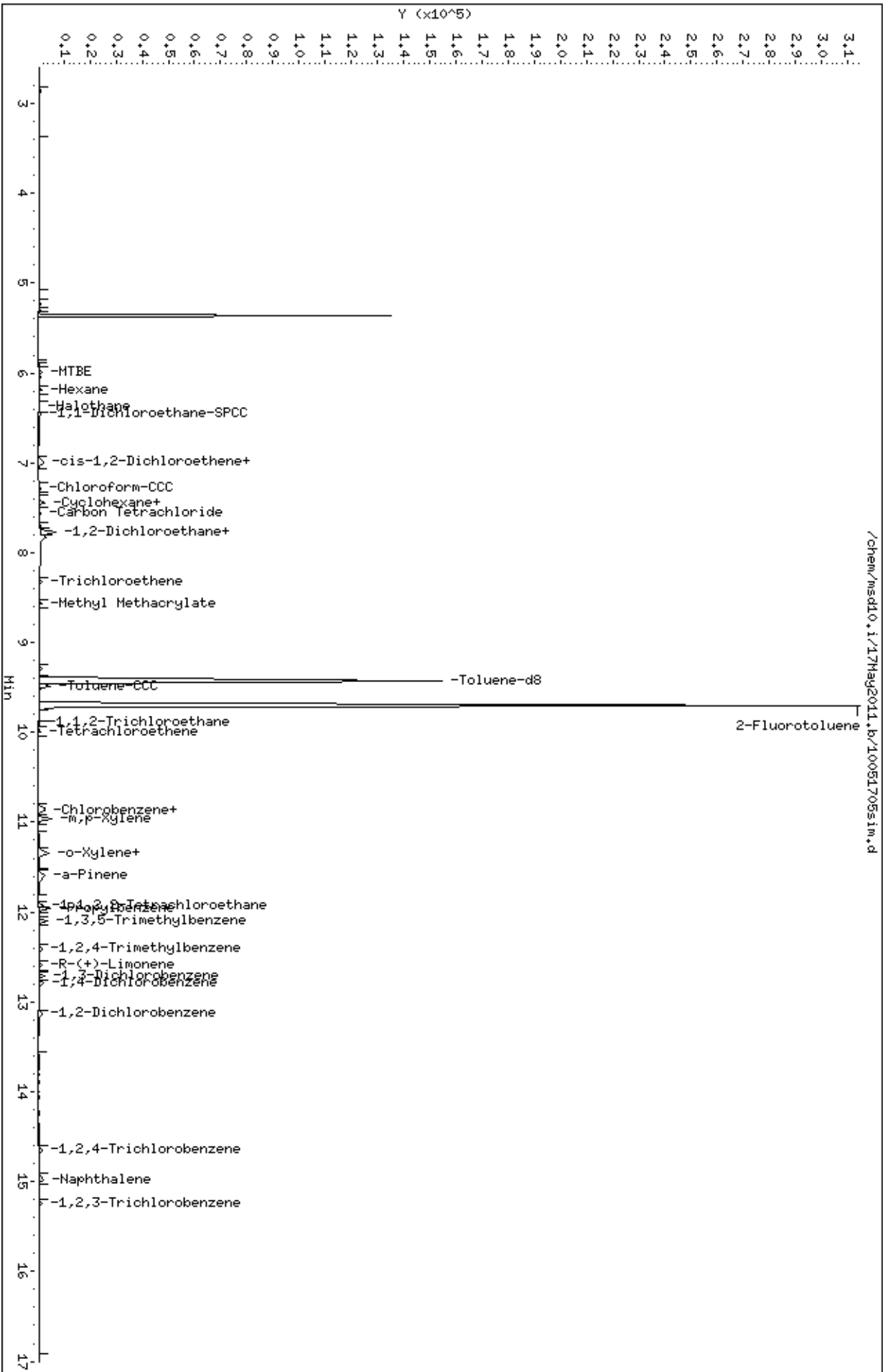
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 18-May-2011 11:21

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/17May2011.b/10051706sim.d
Lab Smp Id: 1869-179-0.10
Inj Date : 17-MAY-2011 13:20
Operator : LZ Inst ID: msd10.i
Smp Info : ;1869-179-0.10;
Misc Info : ,NOTICS
Comment :
Method : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Meth Date : 18-May-2011 11:21 lzhang Quant Type: ISTD
Cal Date : 17-MAY-2011 13:20 Cal File: 10051706sim.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.1-47.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/mL)	(ug/mL)
=====	=====	==	=====	=====	=====	=====	=====	
1 Chloromethane	50	3.227	3.227	(0.333)	332	0.10000	0.111188	
2 Vinyl Chloride	62	3.420	3.420	(0.353)	1301	0.10000	0.113239	
3 Ethanol	45	4.696	4.697	(0.484)	774	0.10000	0.114767	
4 1,1-Dichloroethene-CCC	96	5.116	5.117	(0.527)	1417	0.10000	0.106196(M)	
5 Acetone	58	5.229	5.229	(0.539)	1123	0.10000	0.117131	
6 2-Propanol	45	5.296	5.296	(0.546)	2063	0.10000	0.179464	
7 MTBE	73	6.018	6.018	(0.620)	6108	0.10000	0.110281	
8 trans-1,2-Dichloroethene	96	6.066	6.066	(0.625)	1763	0.10000	0.108081	
9 Hexane	57	6.211	6.211	(0.640)	3898	0.10000	0.116670	
10 Halothane	117	6.403	6.403	(0.660)	1167	0.10000	0.123047	
11 1,1-Dichloroethane-SPCC	63	6.486	6.486	(0.669)	3561	0.10000	0.119403	
12 Ethyl Acetate	70	6.995	6.995	(0.721)	666	0.10000	0.120980	
13 2-Butanone	72	7.017	7.017	(0.723)	1272	0.10000	0.100854	
14 cis-1,2-Dichloroethene	96	7.039	7.017	(0.726)	1832	0.10000	0.100574	
15 Chloroform-CCC	83	7.279	7.279	(0.750)	3578	0.10000	0.113994	
16 Cyclohexane	84	7.443	7.444	(0.767)	3756	0.10000	0.100126	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.443	7.444	(0.767)	3001	0.10000	0.0955431
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	2306	0.10000	0.0900009
19 Benzene	78	7.773	7.773	(0.801)	12831	0.10000	0.145872(M)
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	3371	0.10000	0.110324
21 Heptane	71	7.855	7.855	(0.810)	2410	0.10000	0.103940
22 Trichloroethene	130	8.326	8.326	(0.858)	2089	0.10000	0.103244
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	2251	0.10000	0.0908744
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	734	0.10000	0.0828269(aM)
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	379240	5.00000	4.99859
28 Toluene-CCC	92	9.483	9.483	(0.978)	5896	0.10000	0.0997297
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	418578	5.00000	
30 1,1,2-Trichloroethane	97	9.892	9.917	(1.020)	2005	0.10000	0.102550
31 Tetrachloroethene	164	9.989	9.989	(1.030)	1712	0.10000	0.0971120
32 Chlorobenzene	112	10.834	10.834	(1.117)	6440	0.10000	0.0974030
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	3295	0.10000	0.0906951
34 m,p-Xylene	106	10.958	10.958	(1.130)	7875	0.20000	0.178918
36 o-Xylene	106	11.343	11.344	(1.169)	3807	0.10000	0.0843749
37 Styrene	104	11.343	11.344	(1.169)	4991	0.10000	0.0902895(a)
38 a-Pinene	93	11.590	11.591	(1.195)	4309	0.10000	0.0833079
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	3387	0.10000	0.0827255
40 Propylbenzene	91	11.967	11.967	(1.234)	12680	0.10000	0.0919587
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	7993	0.10000	0.0842537
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	6897	0.10000	0.0921474
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	2464	0.10000	0.0571816
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	5547	0.10000	0.0878067
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	5019	0.10000	0.0949857
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	4535	0.10000	0.0947059
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	3271	0.10000	0.0872337
49 Naphthalene	128	14.957	14.981	(1.542)	9444	0.10000	0.0885822
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	3129	0.10000	0.0830094

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051706sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-0.10

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	418578	2.63

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051706sim.d

Date : 17-May-2011 13:20

Client ID:

Sample Info: #1869-179-0.10;

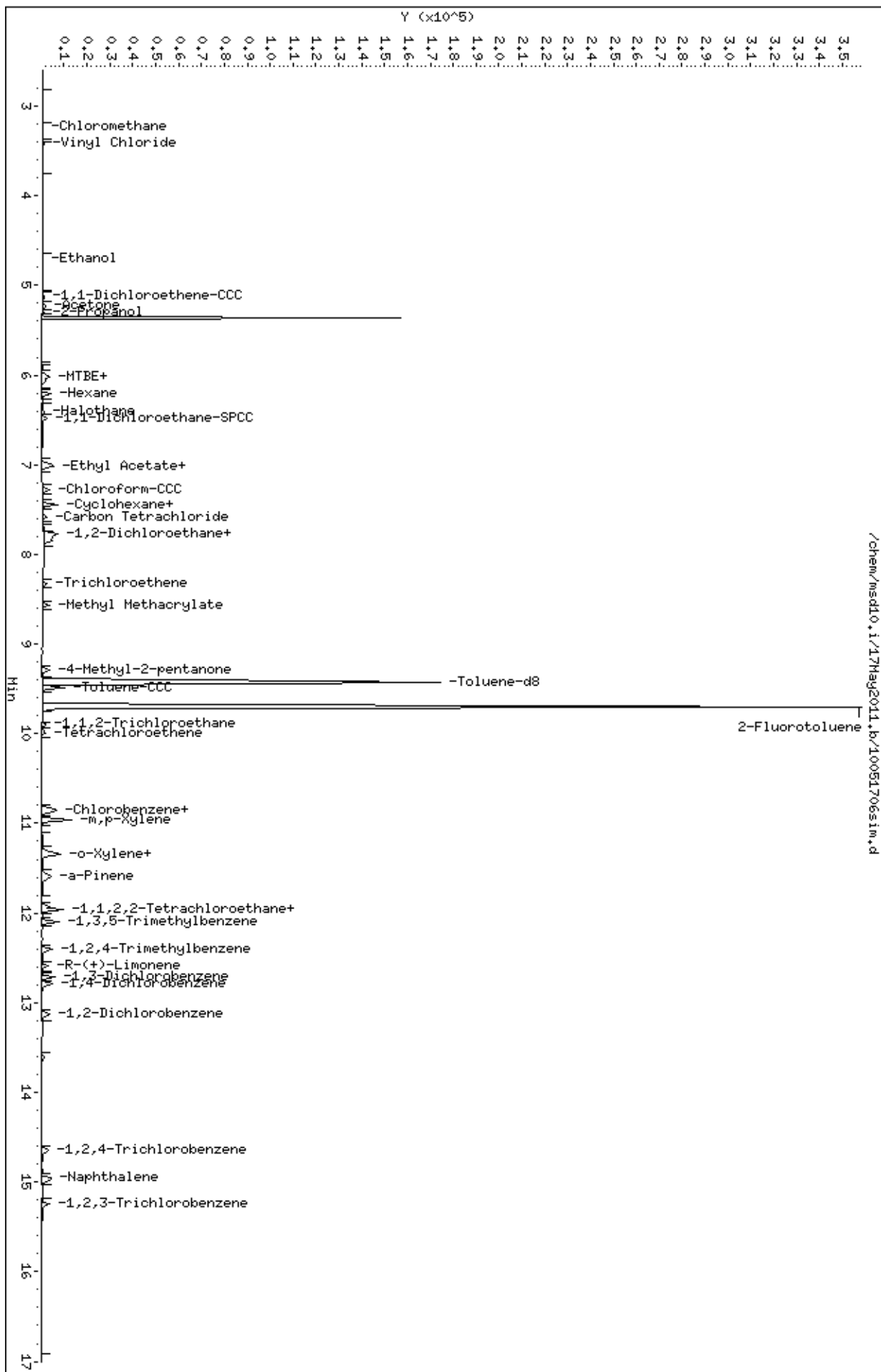
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/17May2011.b/10051707sim.d

Lab Smp Id: 1869-179-0.20

Inj Date : 17-MAY-2011 13:43

Operator : LZ

Smp Info : ;1869-179-0.20;

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Meth Date : 18-May-2011 11:21 lzhang

Cal Date : 17-MAY-2011 13:43

Als bottle: 6

Dil Factor: 1.00000

Integrator: HP RTE

Target Version: 3.50

Processing Host: eeyore

Inst ID: msd10.i

Quant Type: ISTD

Cal File: 10051707sim.d

Calibration Sample, Level: 3

Compound Sublist: all-2cve-47.sub

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/mL)	(ug/mL)
=====	=====	==	=====	=====	=====	=====	=====	
1 Chloromethane	50	3.227	3.227	(0.333)	681	0.20000	0.206451	
2 Vinyl Chloride	62	3.420	3.420	(0.353)	2622	0.20000	0.206586	
3 Ethanol	45	4.696	4.697	(0.484)	1585	0.20000	0.212743	
4 1,1-Dichloroethene-CCC	96	5.139	5.117	(0.530)	3051	0.20000	0.206980(M)	
5 Acetone	58	5.229	5.229	(0.539)	2501	0.20000	0.236131	
6 2-Propanol	45	5.296	5.296	(0.546)	3180	0.20000	0.250412	
7 MTBE	73	6.042	6.018	(0.623)	12878	0.20000	0.210474	
8 trans-1,2-Dichloroethene	96	6.090	6.066	(0.628)	3855	0.20000	0.213930	
9 Hexane	57	6.238	6.211	(0.643)	6293	0.20000	0.170500	
10 Halothane	117	6.403	6.403	(0.660)	2278	0.20000	0.217421	
11 1,1-Dichloroethane-SPCC	63	6.486	6.486	(0.669)	7105	0.20000	0.215654	
12 Ethyl Acetate	70	6.995	6.995	(0.721)	1273	0.20000	0.209323	
13 2-Butanone	72	7.017	7.017	(0.723)	2626	0.20000	0.188472	
14 cis-1,2-Dichloroethene	96	7.040	7.017	(0.726)	4365	0.20000	0.216918	
15 Chloroform-CCC	83	7.279	7.279	(0.750)	7318	0.20000	0.211049	
16 Cyclohexane	84	7.444	7.444	(0.767)	8507	0.20000	0.205279	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.444	7.444	(0.767)	6208	0.20000	0.178910
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	5239	0.20000	0.185091
19 Benzene	78	7.801	7.773	(0.804)	21998	0.20000	0.226383(M)
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	7282	0.20000	0.215730
21 Heptane	71	7.855	7.855	(0.810)	5415	0.20000	0.211405
22 Trichloroethene	130	8.350	8.326	(0.861)	4323	0.20000	0.193402
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	4791	0.20000	0.175082
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	1643	0.20000	0.167827(M)
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	416149	5.00000	4.96514
28 Toluene-CCC	92	9.483	9.483	(0.978)	12544	0.20000	0.192067
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	462410	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.917	(1.020)	4123	0.20000	0.190891
31 Tetrachloroethene	164	9.989	9.989	(1.030)	3691	0.20000	0.189523
32 Chlorobenzene	112	10.834	10.834	(1.117)	13727	0.20000	0.187937
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	7037	0.20000	0.175334
34 m,p-Xylene	106	10.958	10.958	(1.130)	17246	0.40000	0.354683
36 o-Xylene	106	11.343	11.344	(1.169)	8549	0.20000	0.171512
37 Styrene	104	11.343	11.344	(1.169)	10266	0.20000	0.168112
38 a-Pinene	93	11.591	11.591	(1.195)	9481	0.20000	0.165925
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	7458	0.20000	0.164890
40 Propylbenzene	91	11.967	11.967	(1.234)	27053	0.20000	0.177598
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	17815	0.20000	0.169986
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	14534	0.20000	0.175775
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	5514	0.20000	0.115833
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	12027	0.20000	0.172336
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	10614	0.20000	0.181832
46 1,2-Dichlorobenzene	146	13.125	13.125	(1.353)	9542	0.20000	0.180380
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	6907	0.20000	0.166741
49 Naphthalene	128	14.981	14.981	(1.544)	19692	0.20000	0.167197
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	6749	0.20000	0.162073

QC Flag Legend

M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051707sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-0.20

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

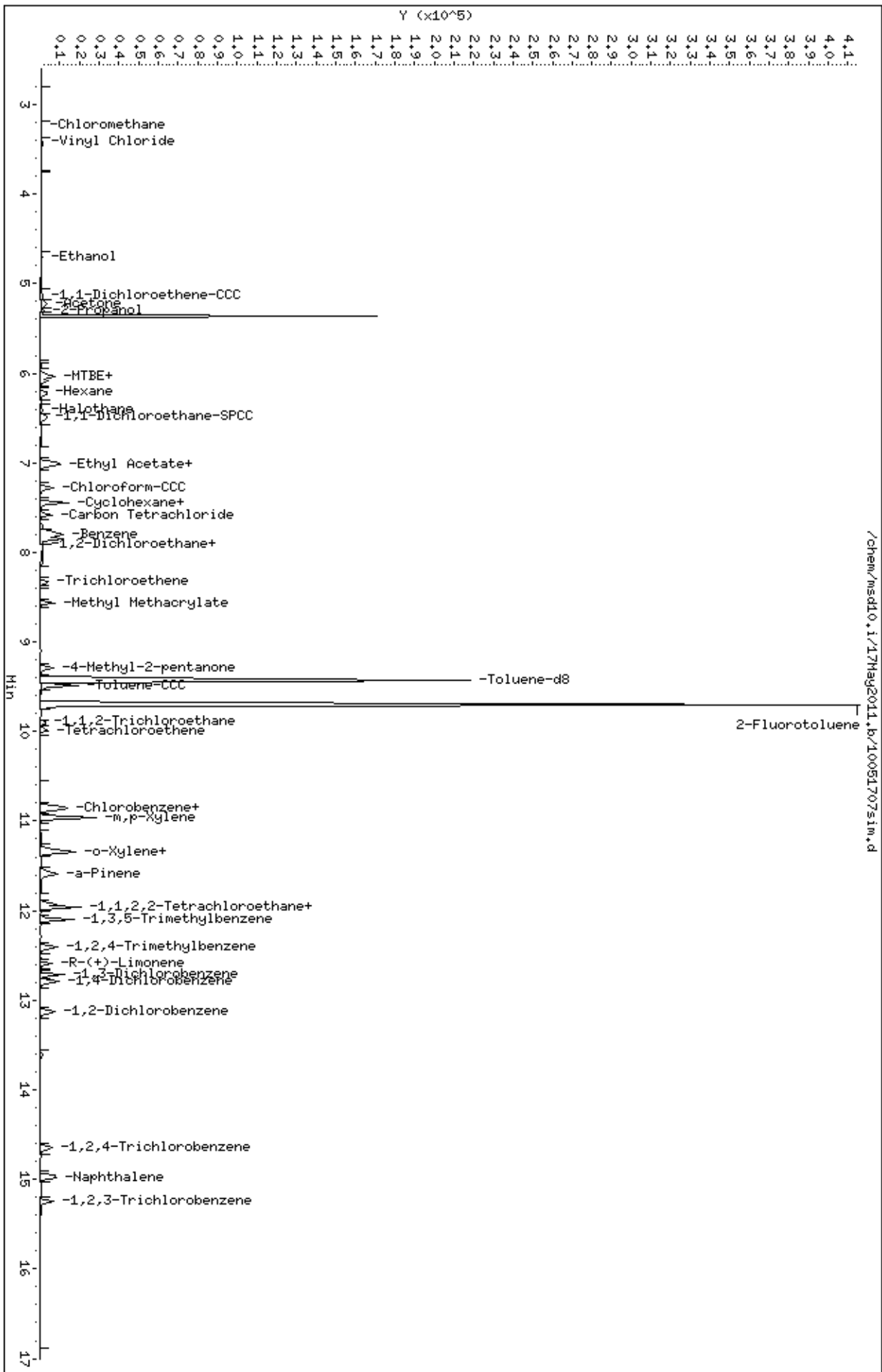
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	407864	203932	815728	462410	13.37

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051707sim.d
Date : 17-May-2011 13:43
Client ID:
Sample Info: #1869-179-0.20;
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msd10.i
Operator: LZ
Column diameter: 0.25



Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
							(ug/mL)	(ug/mL)
=====	=====	==	=====	=====	=====		=====	=====
17 1,1,1-Trichloroethane	97	7.443	7.444	(0.767)	14943		0.50000	0.443116
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	12748		0.50000	0.463421
19 Benzene	78	7.800	7.773	(0.804)	50262		0.50000	0.532227
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	17000		0.50000	0.518210
21 Heptane	71	7.855	7.855	(0.810)	12612		0.50000	0.506637
22 Trichloroethene	130	8.350	8.326	(0.861)	10217		0.50000	0.470322
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	11613		0.50000	0.436673
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	4086		0.50000	0.429457
\$ 26 Toluene-d8	98	9.434	9.435	(0.973)	407932		5.00000	5.00804
28 Toluene-CCC	92	9.483	9.483	(0.978)	29131		0.50000	0.458953
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	449397		5.00000	
30 1,1,2-Trichloroethane	97	9.916	9.917	(1.022)	9882		0.50000	0.470776
31 Tetrachloroethene	164	9.989	9.989	(1.030)	8983		0.50000	0.474610
32 Chlorobenzene	112	10.833	10.834	(1.117)	33327		0.50000	0.469493
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	17444		0.50000	0.447219
34 m,p-Xylene	106	10.958	10.958	(1.130)	42608		1.00000	0.901655
36 o-Xylene	106	11.343	11.344	(1.169)	22542		0.50000	0.465339
37 Styrene	104	11.343	11.344	(1.169)	24199		0.50000	0.407749
38 a-Pinene	93	11.590	11.591	(1.195)	25767		0.50000	0.464002
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	19032		0.50000	0.432967
40 Propylbenzene	91	11.967	11.967	(1.234)	69817		0.50000	0.471608
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	47269		0.50000	0.464090
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	35345		0.50000	0.439842
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	14941		0.50000	0.322955
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	29841		0.50000	0.439976
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	25396		0.50000	0.447665
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	23169		0.50000	0.450664
48 1,2,4-Trichlorobenzene	180	14.643	14.644	(1.510)	17093		0.50000	0.424588
49 Naphthalene	128	14.981	14.981	(1.545)	49391		0.50000	0.431504
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	16920		0.50000	0.418089

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051708sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-0.50

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	449397	10.18

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051708sim.d

Date : 17-May-2011 14:14

Client ID:

Sample Info: #1869-179-0.50;

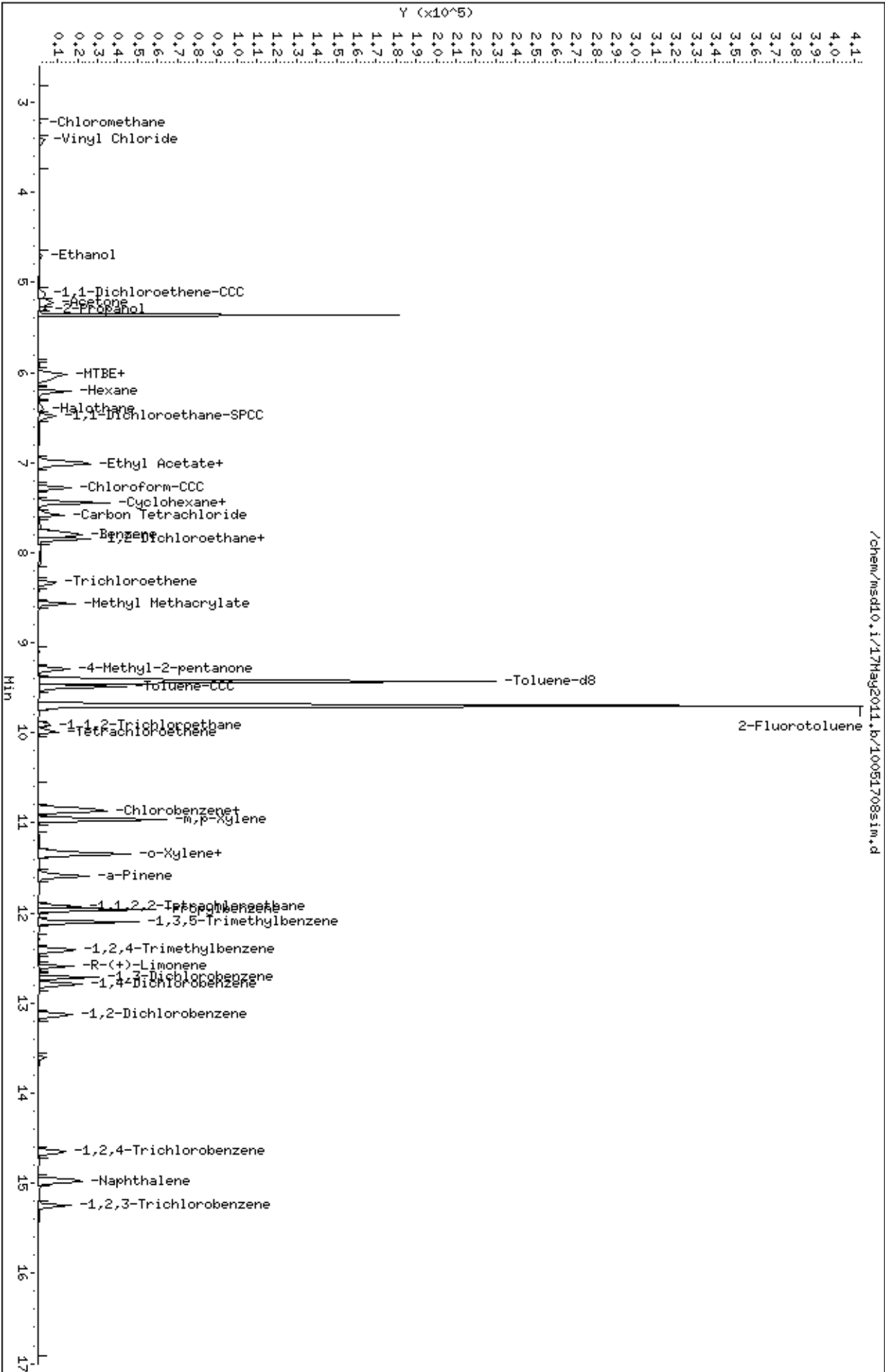
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.444	7.444	(0.767)	30932	1.00000	0.869463
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	28775	1.00000	0.991546
19 Benzene	78	7.800	7.773	(0.804)	97841	1.00000	0.982069
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	37989	1.00000	1.09769
21 Heptane	71	7.855	7.855	(0.810)	27037	1.00000	1.02952
22 Trichloroethene	130	8.326	8.326	(0.858)	22157	1.00000	0.966822
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	26363	1.00000	0.939661
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	9590	1.00000	0.955441
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	431423	5.00000	5.02050
28 Toluene-CCC	92	9.483	9.483	(0.978)	65769	1.00000	0.982196
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	474096	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.917	(1.020)	21712	1.00000	0.980468
31 Tetrachloroethene	164	9.989	9.989	(1.030)	19685	1.00000	0.985858
32 Chlorobenzene	112	10.834	10.834	(1.117)	74079	1.00000	0.989217
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	38573	1.00000	0.937393
34 m,p-Xylene	106	10.958	10.958	(1.130)	96185	2.00000	1.92939
36 o-Xylene	106	11.343	11.344	(1.169)	47010	1.00000	0.919879
37 Styrene	104	11.343	11.344	(1.169)	59127	1.00000	0.944377
38 a-Pinene	93	11.591	11.591	(1.195)	55892	1.00000	0.954046
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	41411	1.00000	0.892997
40 Propylbenzene	91	11.967	11.967	(1.234)	152816	1.00000	0.978481
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	102436	1.00000	0.953327
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	83033	1.00000	0.979453
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	36429	1.00000	0.746403
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	65415	1.00000	0.914233
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	57576	1.00000	0.962039
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	52016	1.00000	0.959062
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	38146	1.00000	0.898179
49 Naphthalene	128	14.981	14.981	(1.544)	114123	1.00000	0.945091
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	37527	1.00000	0.878974

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.iCalibration Date: 17-MAY-2011

Lab File ID: 10051709sim.dCalibration Time: 15:03

Lab Smp Id: 1869-179-1.0

Analysis Type: SVLevel: MED

Quant Type: ISTDSample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	407864	203932	815728	474096	16.24

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051709sim.d

Date : 17-May-2011 14:41

Client ID:

Sample Info: #1869-179-1.0;

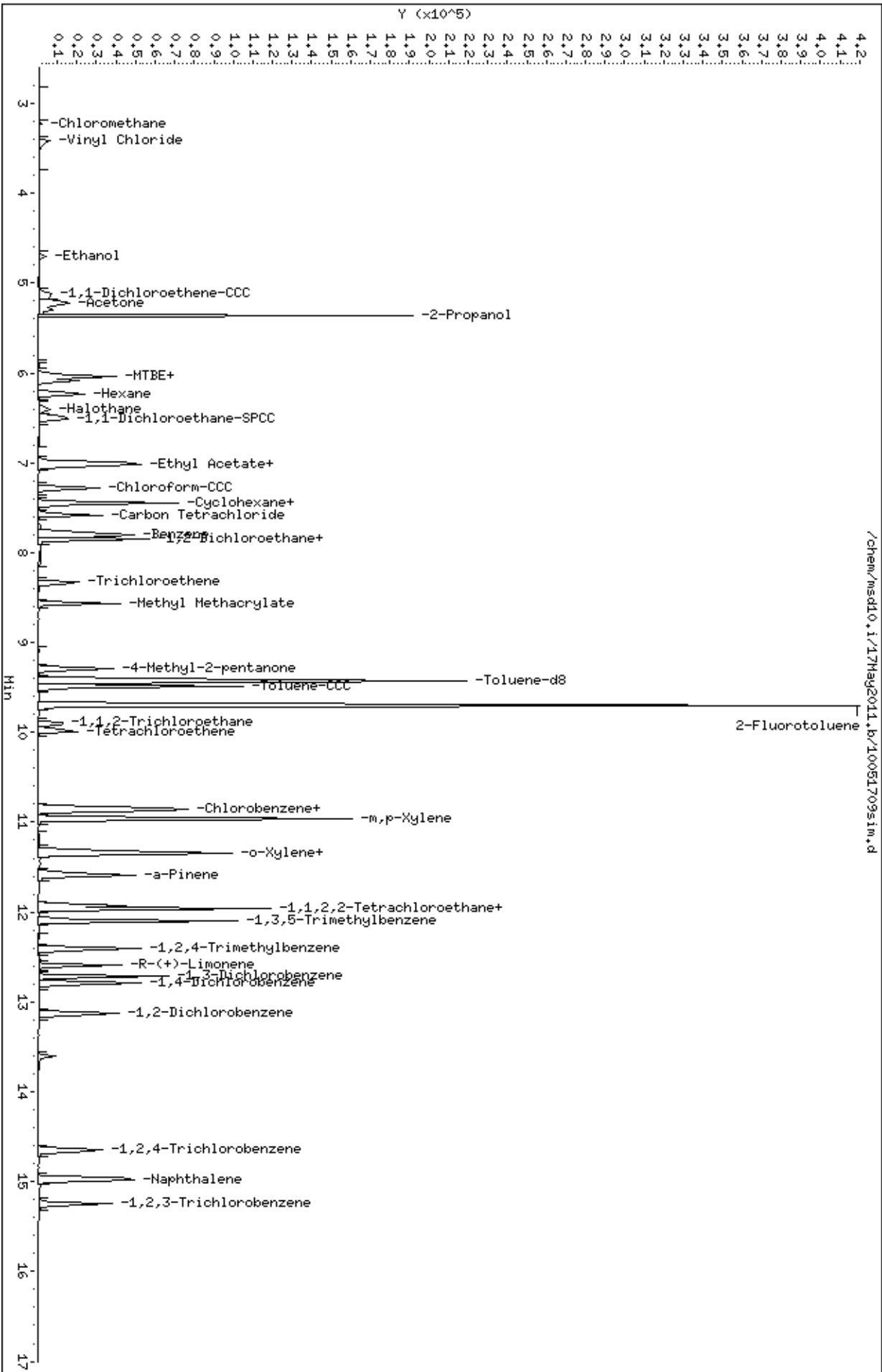
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 19-May-2011 09:54

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.444	7.444	(0.767)	144106	5.00000	4.70843
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	104343	5.00000	4.35457
19 Benzene	78	7.773	7.773	(0.801)	342397	5.00000	3.99486
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	132586	5.00000	4.45317
21 Heptane	71	7.855	7.855	(0.810)	97290	5.00000	4.30622
22 Trichloroethene	130	8.326	8.326	(0.858)	89628	5.00000	4.54601
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	112928	5.00000	4.67874
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	40262	5.00000	4.66264
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	366776	5.00000	4.96130
28 Toluene-CCC	92	9.483	9.483	(0.978)	264544	5.00000	4.59225
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	407864	5.00000	
30 1,1,2-Trichloroethane	97	9.917	9.917	(1.022)	87929	5.00000	4.61548
31 Tetrachloroethene	164	9.989	9.989	(1.030)	80240	5.00000	4.67112
32 Chlorobenzene	112	10.834	10.834	(1.117)	306472	5.00000	4.75706
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	161647	5.00000	4.56622
34 m,p-Xylene	106	10.958	10.958	(1.130)	405922	10.0000	9.46469
36 o-Xylene	106	11.344	11.344	(1.169)	205062	5.00000	4.66419
37 Styrene	104	11.344	11.344	(1.169)	256590	5.00000	4.76376
38 a-Pinene	93	11.591	11.591	(1.195)	248180	5.00000	4.92422
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	186472	5.00000	4.67411
40 Propylbenzene	91	11.967	11.967	(1.234)	639133	5.00000	4.75692
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	448038	5.00000	4.84680
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	358297	5.00000	4.91278
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	194134	5.00000	4.62358
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	281910	5.00000	4.57974
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	248581	5.00000	4.82803
46 1,2-Dichlorobenzene	146	13.125	13.125	(1.353)	221716	5.00000	4.75180
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	167368	5.00000	4.58076
49 Naphthalene	128	14.981	14.981	(1.544)	525748	5.00000	5.06091
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	164645	5.00000	4.48262

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051710sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-5.0

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	407864	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051710sim.d

Date : 17-May-2011 15:03

Client ID:

Sample Info: #1869-179-5.0;

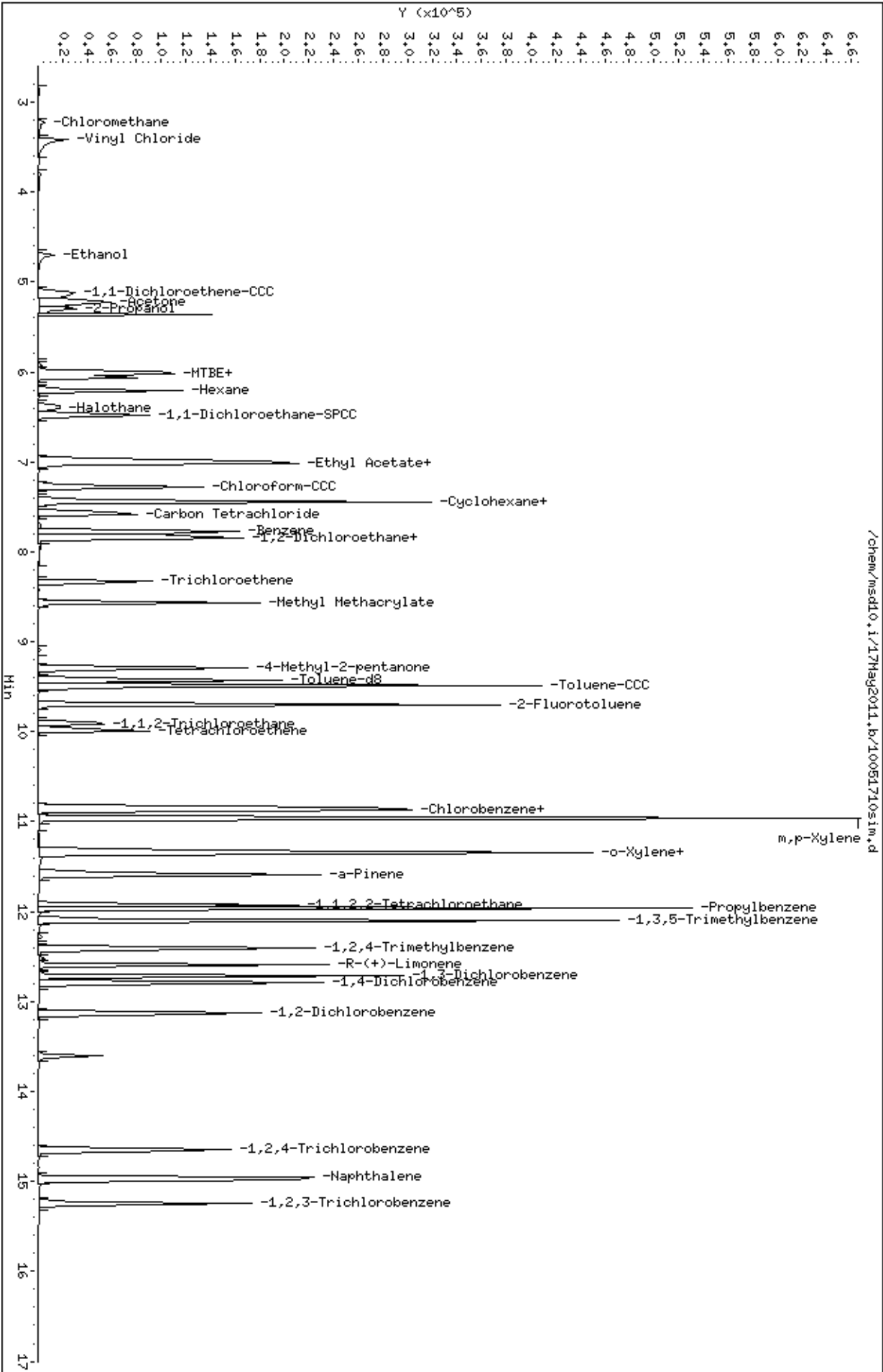
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 18-May-2011 11:21

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.443	7.444	(0.767)	685542	20.0000	20.4494
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	537549	20.0000	19.6571
19 Benzene	78	7.773	7.773	(0.801)	1543002	20.0000	16.4358
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	647985	20.0000	19.8696
21 Heptane	71	7.855	7.855	(0.810)	466289	20.0000	18.8424
22 Trichloroethene	130	8.326	8.326	(0.858)	435262	20.0000	20.1553
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	580352	20.0000	21.9519
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	214278	20.0000	22.6551
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	403505	5.00000	4.98306
28 Toluene-CCC	92	9.483	9.483	(0.978)	1313891	20.0000	20.8228
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	446748	5.00000	
30 1,1,2-Trichloroethane	97	9.892	9.917	(1.020)	428892	20.0000	20.5535
31 Tetrachloroethene	164	9.989	9.989	(1.030)	377931	20.0000	20.0861
32 Chlorobenzene	112	10.833	10.834	(1.117)	1477646	20.0000	20.9397
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	802727	20.0000	20.7019
34 m,p-Xylene	106	10.958	10.958	(1.130)	2060411	40.0000	43.8602
36 o-Xylene	106	11.343	11.344	(1.169)	1036211	20.0000	21.5175
37 Styrene	104	11.343	11.344	(1.169)	1401149	20.0000	23.7491
38 a-Pinene	93	11.590	11.591	(1.195)	1237790	20.0000	22.4218
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	918115	20.0000	21.0104
40 Propylbenzene	91	11.967	11.967	(1.234)	3235825	20.0000	21.9873
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	2302850	20.0000	22.7436
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	1798006	20.0000	22.5075
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	1042189	20.0000	22.6608
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	1389170	20.0000	20.6034
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	1174626	20.0000	20.8283
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	1043725	20.0000	20.4221
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	825591	20.0000	20.6292
49 Naphthalene	128	14.981	14.981	(1.544)	2727912	20.0000	23.9737
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	821040	20.0000	20.4080

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051711sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-20

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	446748	9.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051711sim.d

Date : 17-May-2011 15:27

Client ID:

Sample Info: #1869-179-20;

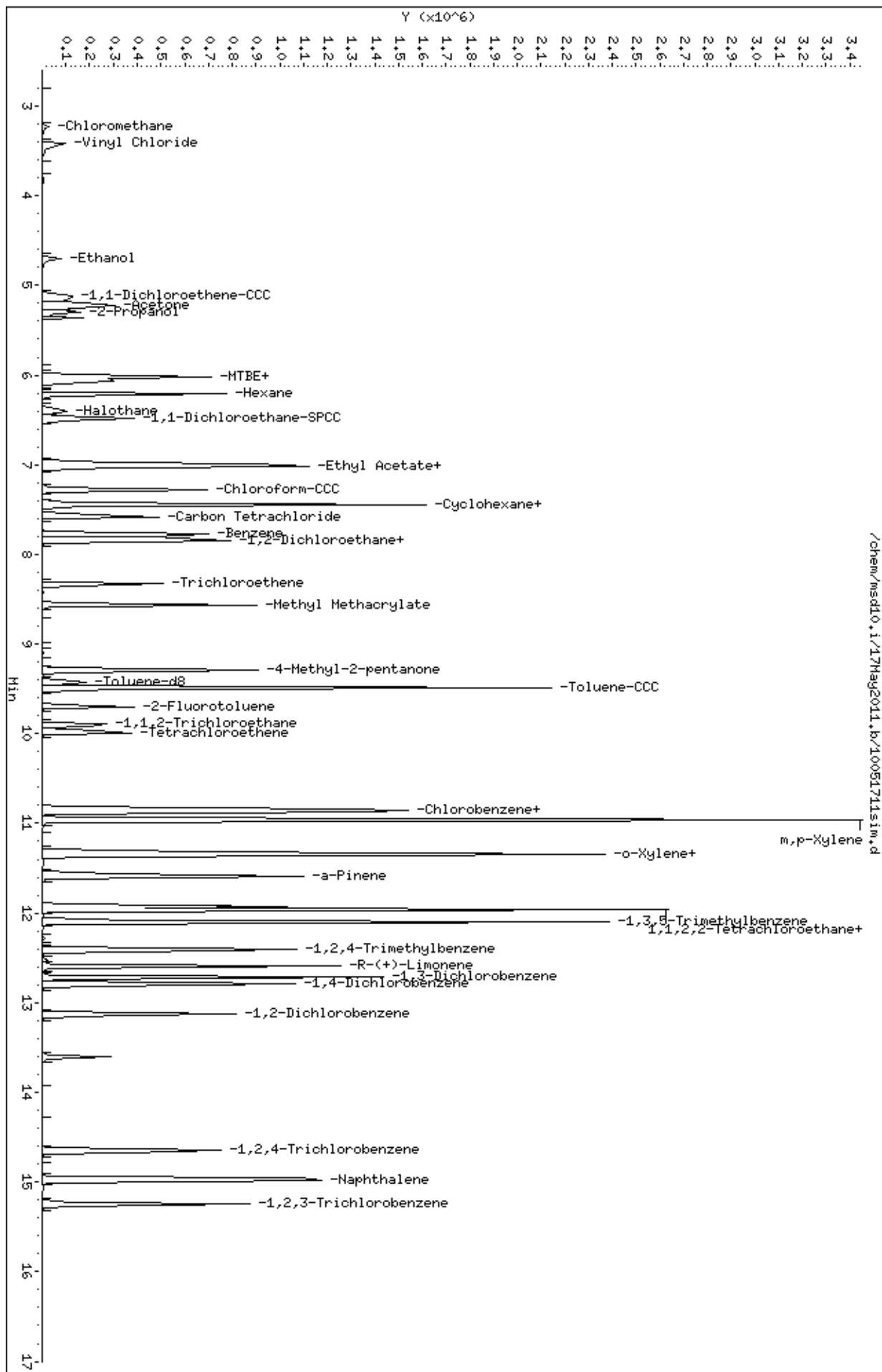
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/17May2011.b/10051713sim.d
Lab Smp Id: 1869-179B-50
Inj Date : 17-MAY-2011 16:12
Operator : LZ
Smp Info : ;1869-179B-50;
Misc Info : ,NOTICS
Comment :
Method : /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m
Meth Date : 18-May-2011 11:21 lzhang
Cal Date : 17-MAY-2011 16:12
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: eeyore

Inst ID: msd10.i

Quant Type: ISTD

Cal File: 10051713sim.d

Calibration Sample, Level: 8

Compound Sublist: cm-su.sub

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

		QUANT SIG				AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
=====	=====	==	=====	=====	=====	(ug/mL)	(ug/mL)
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	382463	5.00000	
1 Chloromethane	50	3.227	3.227	(0.333)	175419	50.0000	64.2960(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.iCalibration Date: 17-MAY-2011

Lab File ID: 10051713sim.dCalibration Time: 15:03

Lab Smp Id: 1869-179B-50

Analysis Type: SVLevel: MED

Quant Type: ISTDSample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	407864	203932	815728	382463	-6.23

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051713sim.d

Date : 17-May-2011 16:12

Client ID:

Sample Info: #1869-1798-50;

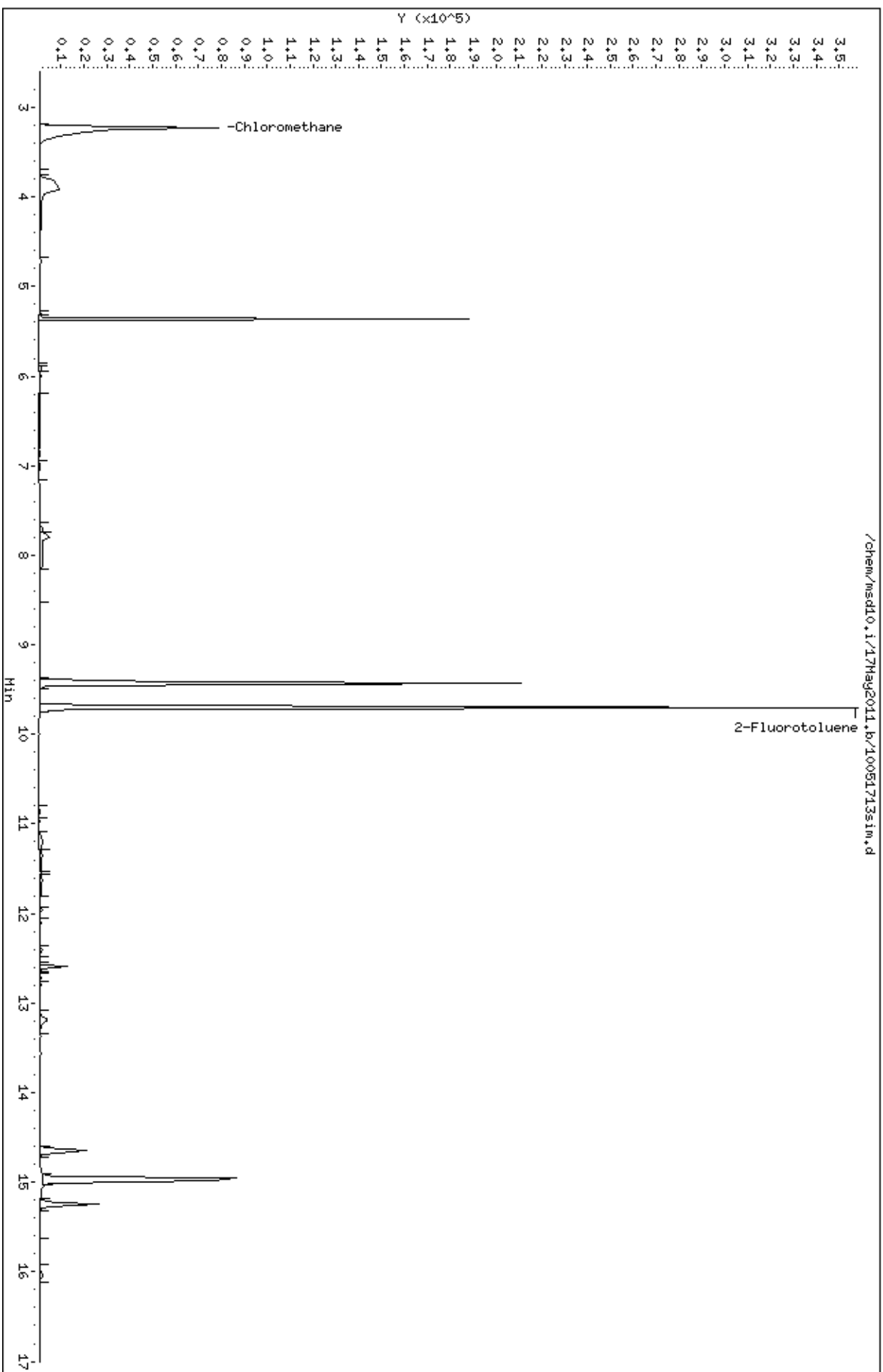
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 18-May-2011 11:21

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
18 Carbon Tetrachloride	117	7.553	7.581	(0.779)	999041	50.0000	49.1196
19 Benzene	78	7.773	7.773	(0.801)	3192719	50.0000	45.7252
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	921546	50.0000	37.9937
21 Heptane	71	7.828	7.855	(0.807)	816579	50.0000	44.3659
22 Trichloroethene	130	8.326	8.326	(0.858)	777234	50.0000	48.3906
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	996554	50.0000	50.6817
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	365567	50.0000	51.9668
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	300423	5.00000	4.98828
28 Toluene-CCC	92	9.483	9.483	(0.978)	2275134	50.0000	48.4795
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	332271	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.917	(1.020)	734245	50.0000	47.3095
31 Tetrachloroethene	164	9.989	9.989	(1.030)	673423	50.0000	48.1217
32 Chlorobenzene	112	10.834	10.834	(1.117)	2700453	50.0000	51.4526
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	1462222	50.0000	50.7021
34 m,p-Xylene	106	10.958	10.958	(1.130)	3856284	100.000	110.371
36 o-Xylene	106	11.344	11.344	(1.169)	2029955	50.0000	56.6762
37 Styrene	104	11.344	11.344	(1.169)	2499759	50.0000	56.9681
38 a-Pinene	93	11.591	11.591	(1.195)	2395323	50.0000	58.3388
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	1721110	50.0000	52.9562
40 Propylbenzene	91	11.967	11.967	(1.234)	6207641	50.0000	56.7132
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	4551806	50.0000	60.4431
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	3346161	50.0000	56.3188
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	2074156	50.0000	60.6375
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	2746031	50.0000	54.7594
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	2243966	50.0000	53.4985
46 1,2-Dichlorobenzene	146	13.125	13.125	(1.353)	1998619	50.0000	52.5792
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	1680087	50.0000	56.4442
49 Naphthalene	128	14.981	14.981	(1.544)	5604971	50.0000	66.2289
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	1718711	50.0000	57.4392

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051712sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179A-50

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	332271	-18.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051712sim.d

Date : 17-May-2011 15:50

Client ID:

Sample Info: #1869-179A-50;

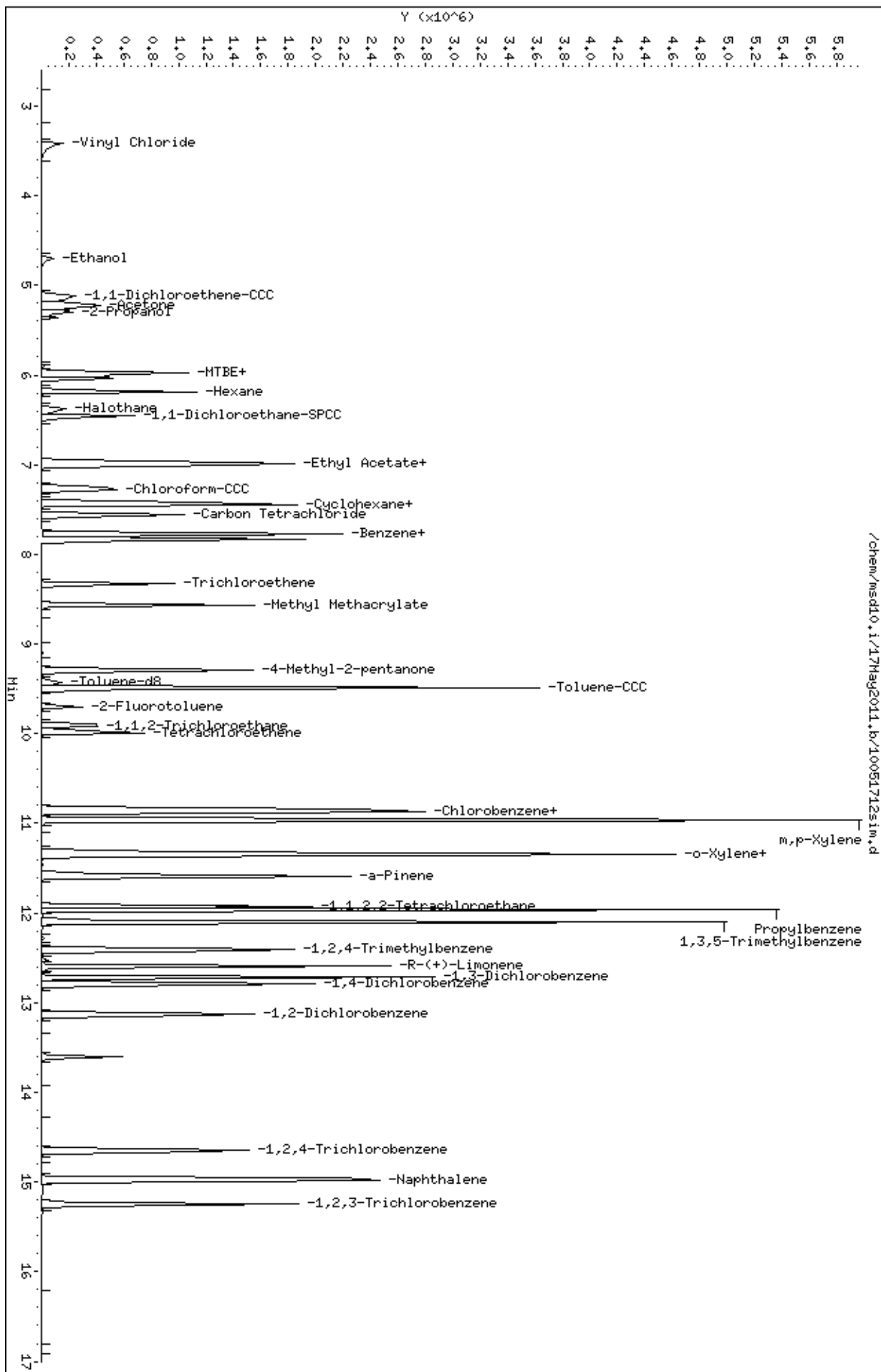
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	3057818	100.000	109.929(A)
19 Benzene	78	7.800	7.773	(0.804)	7902840	100.000	82.7578
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	3821662	100.000	115.207(A)
21 Heptane	71	7.855	7.855	(0.810)	2874668	100.000	114.201(A)
22 Trichloroethene	130	8.326	8.326	(0.858)	2233258	100.000	101.667
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	3176789	100.000	118.132(A)
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	1122395	100.000	116.664(A)
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	415792	5.00000	5.04806(A)
28 Toluene-CCC	92	9.483	9.483	(0.978)	6906750	100.000	107.611(A)
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	454424	5.00000	
30 1,1,2-Trichloroethane	97	9.892	9.917	(1.020)	2204939	100.000	103.881
31 Tetrachloroethene	164	9.989	9.989	(1.030)	2067192	100.000	108.010(A)
32 Chlorobenzene	112	10.834	10.834	(1.117)	8190388	100.000	114.105(A)
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	4610244	100.000	116.887(A)
34 m,p-Xylene	106	10.958	10.958	(1.130)	12685900	200.000	265.484(A)
36 o-Xylene	106	11.343	11.344	(1.169)	6909492	100.000	141.056(A)
37 Styrene	104	11.343	11.344	(1.169)	8100850	100.000	134.988(A)
38 a-Pinene	93	11.590	11.591	(1.195)	7426987	100.000	132.263(A)
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	5222563	100.000	117.496(A)
41 1,3,5-Trimethylbenzene	105	12.101	12.102	(1.248)	12678887	100.000	123.105(A)
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	10247025	100.000	126.106(A)
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	6255441	100.000	133.718(A)
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	8118507	100.000	118.375(A)
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	6285994	100.000	109.580(A)
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	5629258	100.000	108.284(A)
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	4717845	100.000	115.894(A)
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	4853864	100.000	118.611(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051714sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-500->100

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	407864	203932	815728	454424	11.42

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051714sim.d

Date : 17-May-2011 16:36

Client ID:

Sample Info: #1869-179-500->100;20:100

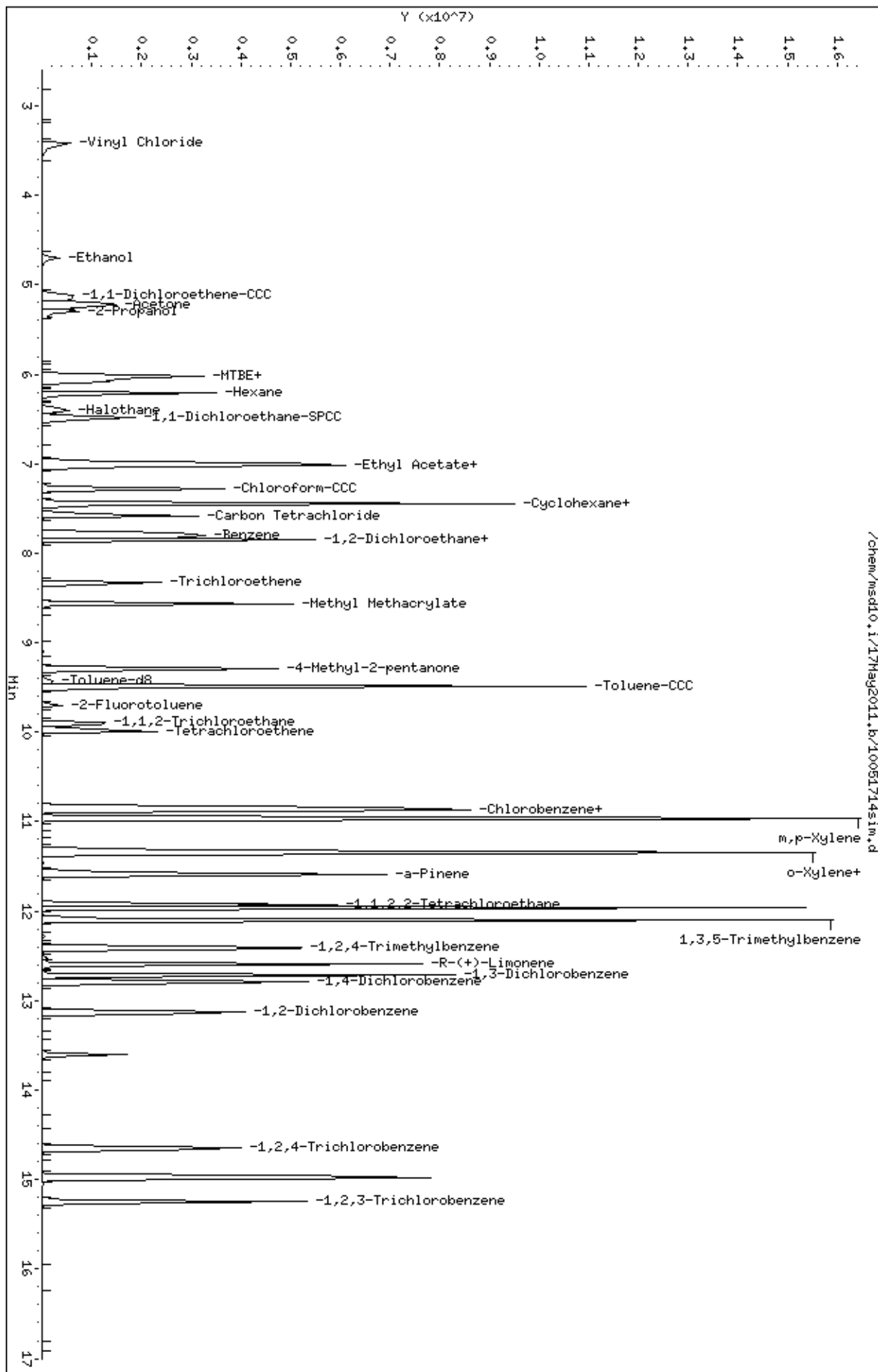
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
						(ug/mL)	(ug/mL)	
=====	=====	==	=====	=====	=====	=====	=====	
21 Heptane	71	7.855	7.855	(0.810)	3365471	200.000	216.000(A)	
22 Trichloroethene	130	8.326	8.326	(0.858)	2964563	200.000	218.035(A)	
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	4356187	200.000	261.706(A)	
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	1485163	200.000	249.396(A)	
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	259438	5.00000	5.08871(A)	
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	281278	5.00000		
30 1,1,2-Trichloroethane	97	9.893	9.917	(1.020)	2901231	200.000	220.824(A)	
31 Tetrachloroethene	164	9.989	9.989	(1.030)	2820858	200.000	238.117(A)	
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	6676067	200.000	273.457(A)	
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	7912849	200.000	287.606(A)	
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	9174700	200.000	316.846(A)	
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	11435958	200.000	269.391(A)	
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	8515207	200.000	239.815(A)	
46 1,2-Dichlorobenzene	146	13.124	13.125	(1.353)	8031262	200.000	249.588(A)	
48 1,2,4-Trichlorobenzene	180	14.644	14.644	(1.510)	7320925	200.000	290.543(A)	
50 1,2,3-Trichlorobenzene	180	15.246	15.247	(1.572)	7785095	200.000	307.345(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 17-MAY-2011

Lab File ID: 10051717sim.d

Calibration Time: 15:03

Lab Smp Id: 1869-179-500->200

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/17May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	407864	203932	815728	281278	-31.04

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/17May2011.b/10051717sim.d

Date : 17-May-2011 17:43

Client ID:

Sample Info: #1869-179-500->200;40:100

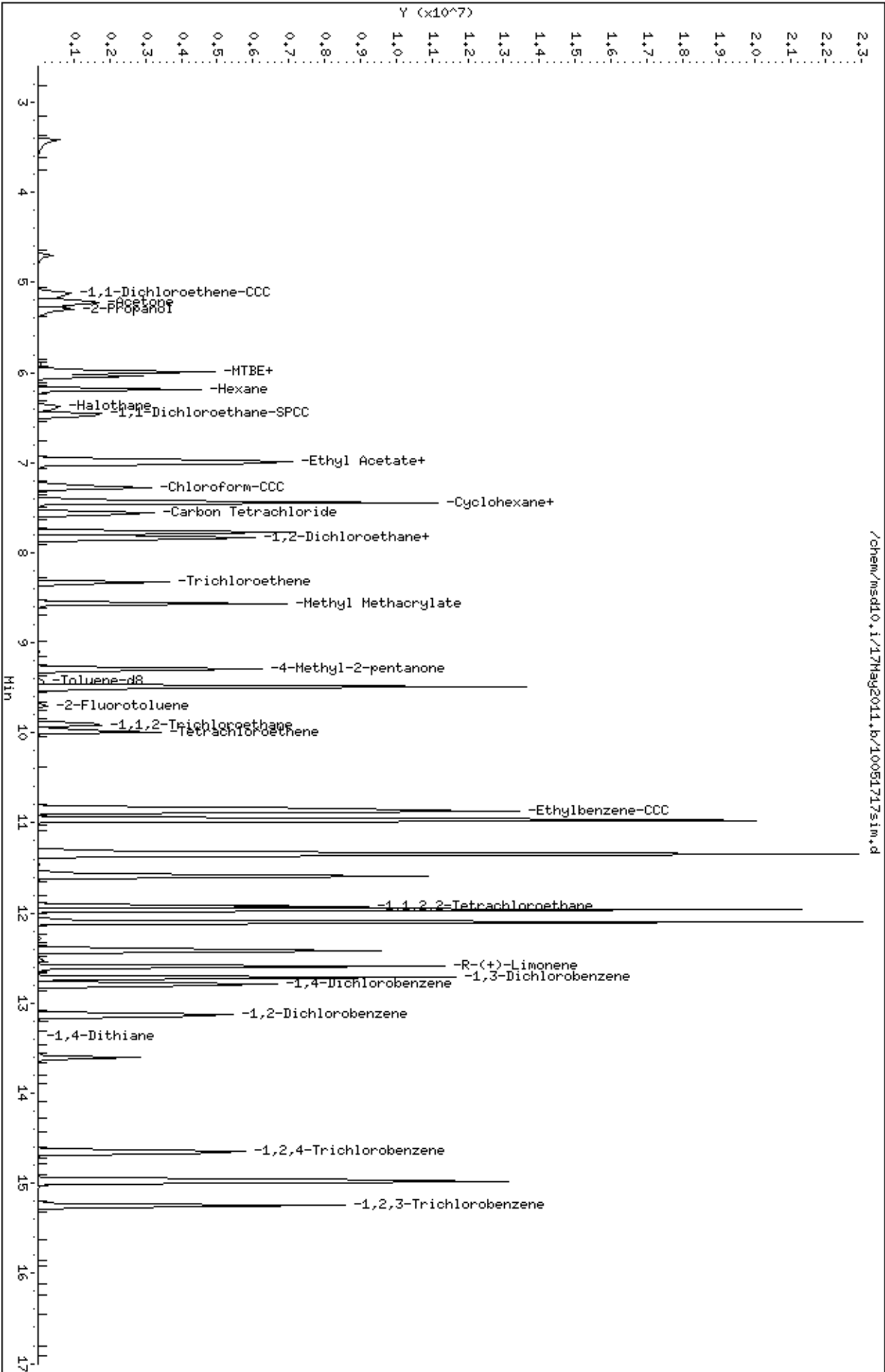
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 19-May-2011 16:18

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 19-MAY-2011 09:35
 Lab File ID: 10051902sim.d Init. Cal. Date(s): 17-MAY-2011 17-MAY-2011
 Analysis Type: AIR Init. Cal. Times: 12:58 17:43
 Lab Sample ID: 1869-179-5 Quant Type: ISTD
 Method: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Chloromethane	0.03567	0.02945	0.020	17.44390	40.00000	Averaged
2 Vinyl Chloride	0.13724	0.13700	0.050	0.17306	40.00000	Averaged
3 Ethanol	0.08056	0.07905	0.030	1.87528	30.00000	Averaged
4 1,1-Dichloroethene-CCC	0.15939	0.15388	0.050	3.45705	30.00000	Averaged
5 Acetone	0.11453	0.10858	0.050	5.19162	30.00000	Averaged
6 2-Propanol	0.13731	0.13154	0.050	4.20721	30.00000	Averaged
7 MTBE	0.66159	0.60993	0.050	7.80983	30.00000	Averaged
8 trans-1,2-Dichloroethene	0.19485	0.17968	0.050	7.78643	30.00000	Averaged
9 Hexane	0.39909	0.37548	0.020	5.91810	30.00000	Averaged
10 Halothane	0.11329	0.10962	0.050	3.23752	30.00000	Averaged
11 1,1-Dichloroethane-SPCC	0.35625	0.32751	0.050	8.06636	20.00000	Averaged
12 Ethyl Acetate	0.06576	0.06054	0.040	7.93016	30.00000	Averaged
13 2-Butanone	0.15066	0.14273	0.050	5.26367	30.00000	Averaged
14 cis-1,2-Dichloroethene	0.21759	0.19950	0.050	8.31407	20.00000	Averaged
15 Chloroform-CCC	0.37493	0.37867	0.050	-0.99672	20.00000	Averaged
16 Cyclohexane	0.44810	0.42670	0.050	4.77508	30.00000	Averaged
17 1,1,1-Trichloroethane	0.37520	0.33937	0.050	9.54929	20.00000	Averaged
18 Carbon Tetrachloride	0.29375	0.28470	0.050	3.07821	20.00000	Averaged
19 Benzene	1.05071	0.82828	0.050	21.16959	30.00000	Averaged
20 1,2-Dichloroethane	0.36499	0.35709	0.050	2.16419	20.00000	Averaged
21 Heptane	0.27697	0.25479	0.050	8.00625	20.00000	Averaged
22 Trichloroethene	0.24170	0.22067	0.050	8.69891	20.00000	Averaged
24 Methyl Methacrylate	0.29589	0.28870	0.050	2.42937	30.00000	Averaged
25 4-Methyl-2-pentanone	0.10586	0.10684	0.050	-0.93042	30.00000	Averaged
\$ 26 Toluene-d8	0.90627	0.89418	0.050	1.33478	30.00000	Averaged
28 Toluene-CCC	0.70620	0.64963	0.050	8.00990	20.00000	Averaged
30 1,1,2-Trichloroethane	0.23354	0.21927	0.050	6.11141	20.00000	Averaged
31 Tetrachloroethene	0.21058	0.19669	0.050	6.59949	20.00000	Averaged
32 Chlorobenzene	0.78978	0.74797	0.050	5.29354	20.00000	Averaged
33 Ethylbenzene-CCC	0.43398	0.40300	0.050	7.13742	20.00000	Averaged
34 m,p-Xylene	0.52576	0.50262	0.050	4.40234	20.00000	Averaged
36 o-Xylene	0.53897	0.51116	0.050	5.15991	30.00000	Averaged
37 Styrene	0.66030	0.65691	0.050	0.51478	30.00000	Averaged
38 a-Pinene	0.61785	0.62189	0.050	-0.65344	30.00000	Averaged
39 1,1,2,2-Tetrachloroethane-S	0.48907	0.46556	0.050	4.80596	30.00000	Averaged
40 Propylbenzene	1.64710	1.59234	0.050	3.32487	20.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 19-MAY-2011 09:35

Lab File ID: 10051902sim.d Init. Cal. Date(s): 17-MAY-2011 17-MAY-2011

Analysis Type: AIR Init. Cal. Times: 12:58 17:43

Lab Sample ID: 1869-179-5 Quant Type: ISTD

Method: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF5	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
41 1,3,5-Trimethylbenzene	1.13322	1.12064	0.050	1.11018	20.00000	Averaged
42 1,2,4-Trimethylbenzene	0.89407	0.87503	0.050	2.12908	20.00000	Averaged
43 R-(+)-Limonene	0.51473	0.49054	0.050	4.69884	30.00000	Averaged
44 1,3-Dichlorobenzene	0.75461	0.68659	0.050	9.01399	30.00000	Averaged
45 1,4-Dichlorobenzene	0.63118	0.58699	0.050	7.00028	30.00000	Averaged
46 1,2-Dichlorobenzene	0.57200	0.53019	0.050	7.30958	30.00000	Averaged
48 1,2,4-Trichlorobenzene	0.44791	0.41770	0.050	6.74466	30.00000	Averaged
49 Naphthalene	1.27351	1.24744	0.050	2.04721	30.00000	Averaged
50 1,2,3-Trichlorobenzene	0.45027	0.38914	0.050	13.57587	30.00000	Averaged
=====	=====	=====	=====	=====	=====	=====

Average %D / Drift Results.

=====

Calculated Average %D/Drift = 5.67666

Maximun Average %D/Drift = 15.00000

* Passed Average %D/Drift Test.

Report Date: 19-May-2011 16:18

						AMOUNTS	
		QUANT	SIG				
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
=====	=====	==	=====	=====	=====	(ug/mL)	(ug/mL)
17 1,1,1-Trichloroethane	97	7.443	7.443	(0.767)	130800	5.00000	4.52254
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	109731	5.00000	4.84609
19 Benzene	78	7.800	7.800	(0.804)	319236	5.00000	3.94152
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	137631	5.00000	4.89179
21 Heptane	71	7.855	7.855	(0.810)	98202	5.00000	4.59969
22 Trichloroethene	130	8.326	8.326	(0.858)	85051	5.00000	4.56505
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	111271	5.00000	4.87853
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	41179	5.00000	5.04652
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	344635	5.00000	4.93326
28 Toluene-CCC	92	9.483	9.483	(0.978)	250382	5.00000	4.59950
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	385421	5.00000	
30 1,1,2-Trichloroethane	97	9.892	9.892	(1.020)	84512	5.00000	4.69443
31 Tetrachloroethene	164	9.989	9.989	(1.030)	75807	5.00000	4.67002
32 Chlorobenzene	112	10.833	10.833	(1.117)	288285	5.00000	4.73532
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	155325	5.00000	4.64313
34 m,p-Xylene	106	10.958	10.958	(1.130)	387439	10.0000	9.55976
36 o-Xylene	106	11.343	11.343	(1.169)	197011	5.00000	4.74200
37 Styrene	104	11.343	11.343	(1.169)	253185	5.00000	4.97426
38 a-Pinene	93	11.590	11.590	(1.195)	239689	5.00000	5.03267
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	179438	5.00000	4.75970
40 Propylbenzene	91	11.967	11.967	(1.234)	613720	5.00000	4.83376
41 1,3,5-Trimethylbenzene	105	12.101	12.101	(1.248)	431918	5.00000	4.94449
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	337256	5.00000	4.89354
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	189065	5.00000	4.76506
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	264627	5.00000	4.54930
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	226240	5.00000	4.64999
46 1,2-Dichlorobenzene	146	13.124	13.124	(1.353)	204345	5.00000	4.63452
48 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.511)	160990	5.00000	4.66277
49 Naphthalene	128	14.963	14.963	(1.543)	480790	5.00000	4.89764
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	149983	5.00000	4.32121

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051902sim.d

Calibration Time: 09:35

Lab Smp Id: 1869-179-5

Client Smp ID: CCV

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	385421	192710	770842	385421	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/19May2011.b/10051902sim.d

Date : 19-May-2011 09:35

Client ID: CCV

Sample Info: #1869-179-5;CCV

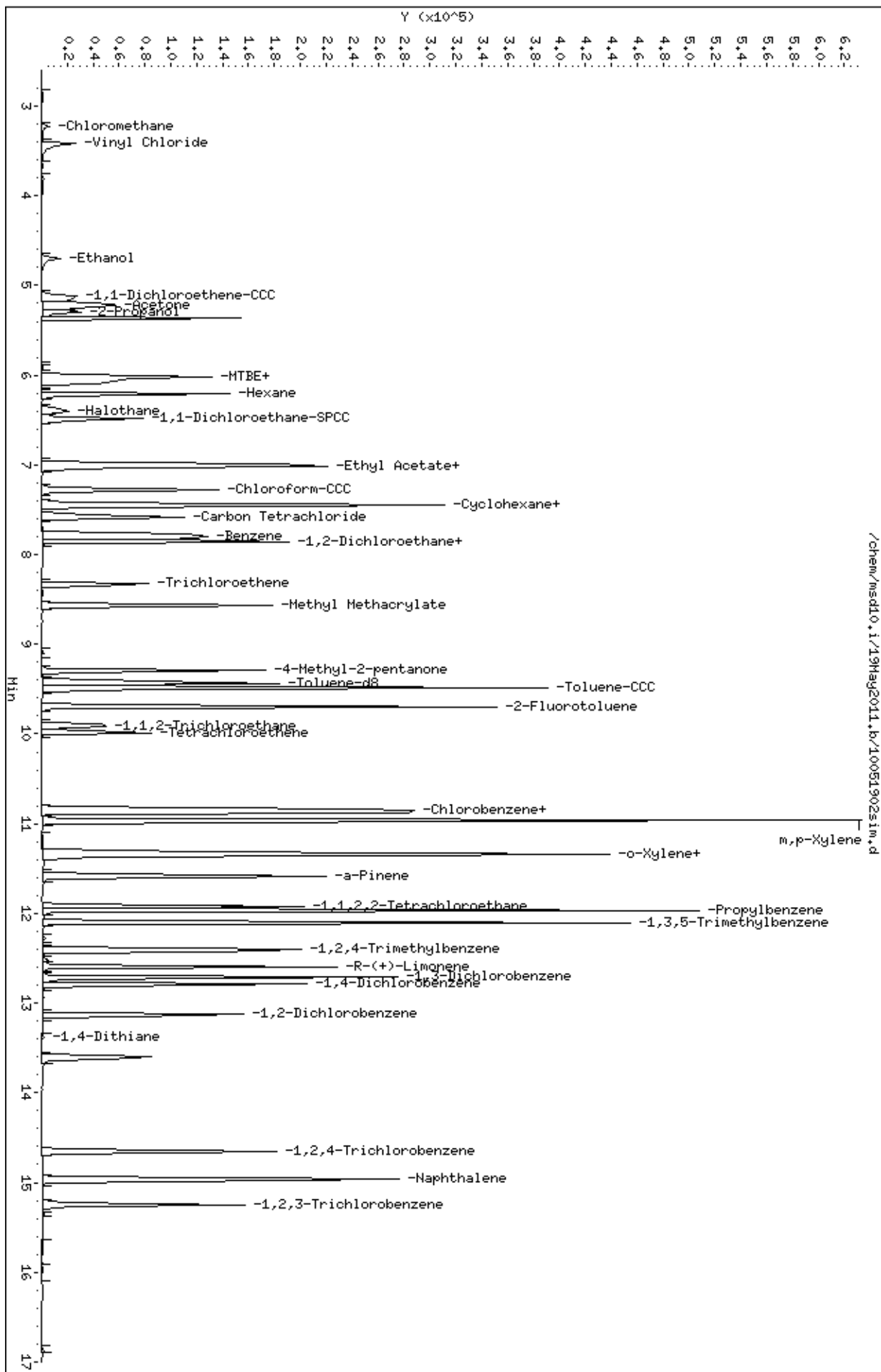
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 19-May-2011 16:18

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 19-MAY-2011 16:00
 Lab File ID: 10051916sim.d Init. Cal. Date(s): 17-MAY-2011 17-MAY-2011
 Analysis Type: AIR Init. Cal. Times: 12:58 17:43
 Lab Sample ID: 1869-179-5 Quant Type: ISTD
 Method: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Chloromethane	0.03567	0.02652	0.020	25.63608	40.00000	Averaged
2 Vinyl Chloride	0.13724	0.12578	0.050	8.34832	40.00000	Averaged
3 Ethanol	0.08056	0.07110	0.030	11.74132	30.00000	Averaged
4 1,1-Dichloroethene-CCC	0.15939	0.15071	0.050	5.44329	30.00000	Averaged
5 Acetone	0.11453	0.10352	0.050	9.61132	30.00000	Averaged
6 2-Propanol	0.13731	0.12403	0.050	9.67504	30.00000	Averaged
7 MTBE	0.66159	0.60700	0.050	8.25169	30.00000	Averaged
8 trans-1,2-Dichloroethene	0.19485	0.18868	0.050	3.16642	30.00000	Averaged
9 Hexane	0.39909	0.32744	0.020	17.95535	30.00000	Averaged
10 Halothane	0.11329	0.10747	0.050	5.13456	30.00000	Averaged
11 1,1-Dichloroethane-SPCC	0.35625	0.32247	0.050	9.48172	20.00000	Averaged
12 Ethyl Acetate	0.06576	0.06004	0.040	8.70022	30.00000	Averaged
13 2-Butanone	0.15066	0.14281	0.050	5.20578	30.00000	Averaged
14 cis-1,2-Dichloroethene	0.21759	0.20113	0.050	7.56319	20.00000	Averaged
15 Chloroform-CCC	0.37493	0.37875	0.050	-1.01911	20.00000	Averaged
16 Cyclohexane	0.44810	0.43413	0.050	3.11789	30.00000	Averaged
17 1,1,1-Trichloroethane	0.37520	0.33348	0.050	11.11777	20.00000	Averaged
18 Carbon Tetrachloride	0.29375	0.28854	0.050	1.77116	20.00000	Averaged
19 Benzene	1.05071	0.85819	0.050	18.32325	30.00000	Averaged
20 1,2-Dichloroethane	0.36499	0.36175	0.050	0.88873	20.00000	Averaged
21 Heptane	0.27697	0.26413	0.050	4.63319	20.00000	Averaged
22 Trichloroethene	0.24170	0.22379	0.050	7.40619	20.00000	Averaged
24 Methyl Methacrylate	0.29589	0.29335	0.050	0.85819	30.00000	Averaged
25 4-Methyl-2-pentanone	0.10586	0.10750	0.050	-1.55168	30.00000	Averaged
\$ 26 Toluene-d8	0.90627	0.89951	0.050	0.74686	30.00000	Averaged
28 Toluene-CCC	0.70620	0.66344	0.050	6.05502	20.00000	Averaged
30 1,1,2-Trichloroethane	0.23354	0.22212	0.050	4.89146	20.00000	Averaged
31 Tetrachloroethene	0.21058	0.19850	0.050	5.73953	20.00000	Averaged
32 Chlorobenzene	0.78978	0.75948	0.050	3.83672	20.00000	Averaged
33 Ethylbenzene-CCC	0.43398	0.40470	0.050	6.74604	20.00000	Averaged
34 m,p-Xylene	0.52576	0.50355	0.050	4.22582	20.00000	Averaged
36 o-Xylene	0.53897	0.49588	0.050	7.99450	30.00000	Averaged
37 Styrene	0.66030	0.67251	0.050	-1.84796	30.00000	Averaged
38 a-Pinene	0.61785	0.59486	0.050	3.72070	30.00000	Averaged
39 1,1,2,2-Tetrachloroethane-S	0.48907	0.45591	0.050	6.78082	30.00000	Averaged
40 Propylbenzene	1.64710	1.51435	0.050	8.05962	20.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.iInjection Date: 19-MAY-2011 16:00
Lab File ID: 10051916sim.dInit. Cal. Date(s): 17-MAY-201117-MAY-2011
Analysis Type: AIRInit. Cal. Times: 12:5817:43
Lab Sample ID: 1869-179-5Quant Type: ISTD
Method: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF5	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
41 1,3,5-Trimethylbenzene	1.13322	1.05282	0.050	7.09453	20.00000	Averaged
42 1,2,4-Trimethylbenzene	0.89407	0.87768	0.050	1.83319	20.00000	Averaged
43 R-(+)-Limonene	0.51473	0.46668	0.050	9.33449	30.00000	Averaged
44 1,3-Dichlorobenzene	0.75461	0.67774	0.050	10.18687	30.00000	Averaged
45 1,4-Dichlorobenzene	0.63118	0.58919	0.050	6.65195	30.00000	Averaged
46 1,2-Dichlorobenzene	0.57200	0.52826	0.050	7.64640	30.00000	Averaged
48 1,2,4-Trichlorobenzene	0.44791	0.38727	0.050	13.53892	30.00000	Averaged
49 Naphthalene	1.27351	1.15809	0.050	9.06316	30.00000	Averaged
50 1,2,3-Trichlorobenzene	0.45027	0.36107	0.050	19.81092	30.00000	Averaged
=====	=====	=====	=====	=====	=====	=====

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 7.38682
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.
=====

Report Date: 19-May-2011 16:18

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.444	7.444	(0.767)	131099	5.00000	4.44411
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	113432	5.00000	4.91144
19 Benzene	78	7.801	7.801	(0.804)	337369	5.00000	4.08384
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	142210	5.00000	4.95556
21 Heptane	71	7.855	7.855	(0.810)	103836	5.00000	4.76834
22 Trichloroethene	130	8.326	8.326	(0.858)	87978	5.00000	4.62969
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	115321	5.00000	4.95709
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	42260	5.00000	5.07758
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	353613	5.00000	4.96266
28 Toluene-CCC	92	9.483	9.483	(0.978)	260810	5.00000	4.69725
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	393119	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.893	(1.020)	87320	5.00000	4.75543
31 Tetrachloroethene	164	9.989	9.989	(1.030)	78033	5.00000	4.71302
32 Chlorobenzene	112	10.834	10.834	(1.117)	298566	5.00000	4.80816
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	159095	5.00000	4.66270
34 m,p-Xylene	106	10.958	10.958	(1.130)	395907	10.0000	9.57742
36 o-Xylene	106	11.344	11.344	(1.169)	194940	5.00000	4.60027
37 Styrene	104	11.344	11.344	(1.169)	264375	5.00000	5.09240
38 a-Pinene	93	11.591	11.591	(1.195)	233852	5.00000	4.81396
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	179225	5.00000	4.66096
40 Propylbenzene	91	11.967	11.967	(1.234)	595320	5.00000	4.59702
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	413885	5.00000	4.64527
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	345032	5.00000	4.90834
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	183461	5.00000	4.53328
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	266433	5.00000	4.49066
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	231623	5.00000	4.66740
46 1,2-Dichlorobenzene	146	13.125	13.125	(1.353)	207669	5.00000	4.61768
48 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.511)	152242	5.00000	4.32305
49 Naphthalene	128	14.963	14.963	(1.543)	455268	5.00000	4.54684
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	141942	5.00000	4.00945

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.iCalibration Date: 19-MAY-2011

Lab File ID: 10051916sim.dCalibration Time: 16:00

Lab Smp Id: 1869-179-5Client Smp ID: CCV

Analysis Type: SVLevel: MED

Quant Type: ISTDSample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011a.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	393119	196560	786238	393119	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/19May2011a.b/10051916sim.d

Date : 19-May-2011 16:00

Client ID: CCV

Sample Info: #1869-179-5;CCV

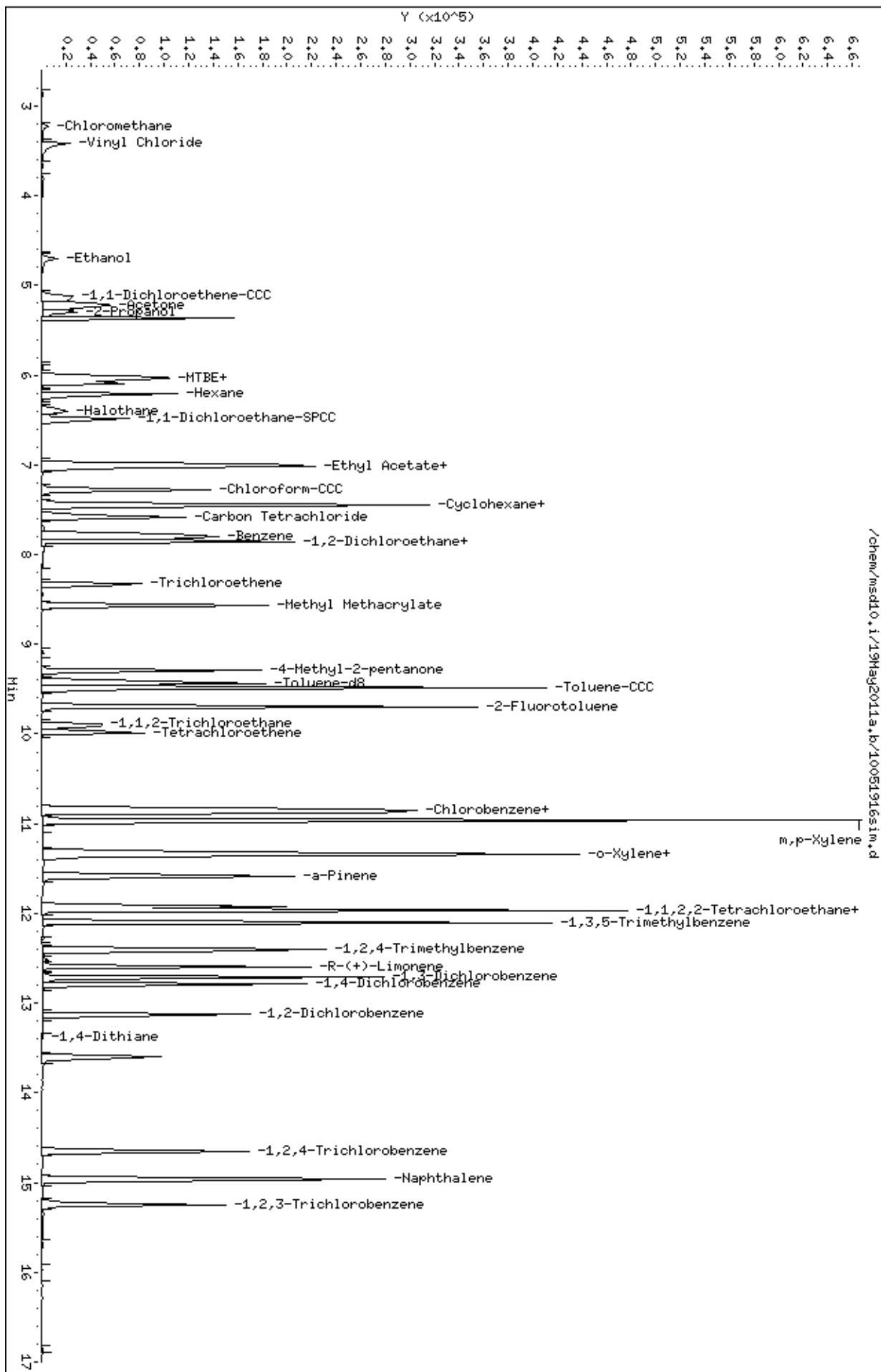
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Report Date: 20-May-2011 09:31

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 20-MAY-2011 09:12
 Lab File ID: 10052002sim.d Init. Cal. Date(s): 17-MAY-2011 17-MAY-2011
 Analysis Type: AIR Init. Cal. Times: 12:58 17:43
 Lab Sample ID: 1869-164C-5 Quant Type: ISTD
 Method: /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m

COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Chloromethane	0.03567	0.03091	0.020	13.32752	40.00000	Averaged
2 Vinyl Chloride	0.13724	0.10022	0.050	26.97486	40.00000	Averaged
3 Ethanol	0.08056	0.05580	0.030	30.73682	30.00000	Averaged <-
4 1,1-Dichloroethene-CCC	0.15939	0.14372	0.050	9.83018	30.00000	Averaged
5 Acetone	0.11453	0.09386	0.050	18.04415	30.00000	Averaged
6 2-Propanol	0.13731	0.11248	0.050	18.08656	30.00000	Averaged
7 MTBE	0.66159	0.60597	0.050	8.40724	30.00000	Averaged
8 trans-1,2-Dichloroethene	0.19485	0.17250	0.050	11.46844	30.00000	Averaged
9 Hexane	0.39909	0.33085	0.020	17.09865	30.00000	Averaged
10 Halothane	0.11329	0.09998	0.050	11.75011	30.00000	Averaged
11 1,1-Dichloroethane-SPCC	0.35625	0.32815	0.050	7.88535	20.00000	Averaged
12 Ethyl Acetate	0.06576	0.05804	0.040	11.74030	30.00000	Averaged
13 2-Butanone	0.15066	0.13658	0.050	9.34491	30.00000	Averaged
14 cis-1,2-Dichloroethene	0.21759	0.20385	0.050	6.31359	20.00000	Averaged
15 Chloroform-CCC	0.37493	0.32652	0.050	12.91297	20.00000	Averaged
16 Cyclohexane	0.44810	0.37540	0.050	16.22480	30.00000	Averaged
17 1,1,1-Trichloroethane	0.37520	0.36522	0.050	2.66040	20.00000	Averaged
18 Carbon Tetrachloride	0.29375	0.26806	0.050	8.74602	20.00000	Averaged
19 Benzene	1.05071	0.92168	0.050	12.28023	30.00000	Averaged
20 1,2-Dichloroethane	0.36499	0.29487	0.050	19.21233	20.00000	Averaged
21 Heptane	0.27697	0.23620	0.050	14.71889	20.00000	Averaged
22 Trichloroethene	0.24170	0.23072	0.050	4.53916	20.00000	Averaged
24 Methyl Methacrylate	0.29589	0.28592	0.050	3.36934	30.00000	Averaged
25 4-Methyl-2-pentanone	0.10586	0.10455	0.050	1.23224	30.00000	Averaged
\$ 26 Toluene-d8	0.90627	0.89648	0.050	1.08029	30.00000	Averaged
28 Toluene-CCC	0.70620	0.66651	0.050	5.61933	20.00000	Averaged
30 1,1,2-Trichloroethane	0.23354	0.22110	0.050	5.33059	20.00000	Averaged
31 Tetrachloroethene	0.21058	0.20001	0.050	5.01933	20.00000	Averaged
32 Chlorobenzene	0.78978	0.76592	0.050	3.02136	20.00000	Averaged
33 Ethylbenzene-CCC	0.43398	0.40823	0.050	5.93189	20.00000	Averaged
34 m,p-Xylene	0.52576	0.50579	0.050	3.79831	20.00000	Averaged
36 o-Xylene	0.53897	0.51008	0.050	5.35962	30.00000	Averaged
37 Styrene	0.66030	0.64553	0.050	2.23777	30.00000	Averaged
38 a-Pinene	0.61785	0.61742	0.050	0.06945	30.00000	Averaged
39 1,1,2,2-Tetrachloroethane-S	0.48907	0.47861	0.050	2.13838	30.00000	Averaged
40 Propylbenzene	1.64710	1.57175	0.050	4.57503	20.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 20-MAY-2011 09:12

Lab File ID: 10052002sim.d Init. Cal. Date(s): 17-MAY-2011 17-MAY-2011

Analysis Type: AIR Init. Cal. Times: 12:58 17:43

Lab Sample ID: 1869-164C-5 Quant Type: ISTD

Method: /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF5	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
41 1,3,5-Trimethylbenzene	1.13322	1.10716	0.050	2.29934	20.00000	Averaged
42 1,2,4-Trimethylbenzene	0.89407	0.87240	0.050	2.42309	20.00000	Averaged
43 R-(+)-Limonene	0.51473	0.47148	0.050	8.40251	30.00000	Averaged
44 1,3-Dichlorobenzene	0.75461	0.70239	0.050	6.92061	30.00000	Averaged
45 1,4-Dichlorobenzene	0.63118	0.60990	0.050	3.37078	30.00000	Averaged
46 1,2-Dichlorobenzene	0.57200	0.55018	0.050	3.81452	30.00000	Averaged
47 1,4-Dithiane	++++	0.00494	0.050	++++	30.00000	Averaged<-
48 1,2,4-Trichlorobenzene	0.44791	0.40753	0.050	9.01416	30.00000	Averaged
49 Naphthalene	1.27351	1.18758	0.050	6.74768	30.00000	Averaged
50 1,2,3-Trichlorobenzene	0.45027	0.38002	0.050	15.60252	30.00000	Averaged
_____	_____	_____	_____	_____	_____	_____

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	8.88181
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.444	7.444	(0.767)	111323	5.00000	4.86698
18 Carbon Tetrachloride	117	7.553	7.553	(0.779)	81707	5.00000	4.56270
19 Benzene	78	7.773	7.773	(0.801)	280941	5.00000	4.38599
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	89880	5.00000	4.03938
21 Heptane	71	7.828	7.828	(0.807)	71997	5.00000	4.26406
22 Trichloroethene	130	8.326	8.326	(0.858)	70328	5.00000	4.77304
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	87152	5.00000	4.83153
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	31869	5.00000	4.93839
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	273261	5.00000	4.94598
28 Toluene-CCC	92	9.483	9.483	(0.978)	203163	5.00000	4.71903
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	304814	5.00000	
30 1,1,2-Trichloroethane	97	9.893	9.893	(1.020)	67393	5.00000	4.73347
31 Tetrachloroethene	164	9.989	9.989	(1.030)	60967	5.00000	4.74903
32 Chlorobenzene	112	10.834	10.834	(1.117)	233463	5.00000	4.84893
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	124435	5.00000	4.70340
34 m,p-Xylene	106	10.958	10.958	(1.130)	308346	10.0000	9.62017
36 o-Xylene	106	11.344	11.344	(1.169)	155480	5.00000	4.73202
37 Styrene	104	11.344	11.344	(1.169)	196766	5.00000	4.88811
38 a-Pinene	93	11.591	11.591	(1.195)	188199	5.00000	4.99653
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	145887	5.00000	4.89308
40 Propylbenzene	91	11.967	11.967	(1.234)	479090	5.00000	4.77125
41 1,3,5-Trimethylbenzene	105	12.102	12.102	(1.248)	337479	5.00000	4.88503
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	265921	5.00000	4.87884
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	143713	5.00000	4.57987
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	214098	5.00000	4.65397
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	185907	5.00000	4.83146
46 1,2-Dichlorobenzene	146	13.125	13.125	(1.353)	167702	5.00000	4.80927
48 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.511)	124222	5.00000	4.54929
49 Naphthalene	128	14.963	14.963	(1.543)	361991	5.00000	4.66262
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	115834	5.00000	4.21987

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 20-MAY-2011

Lab File ID: 10052002sim.d

Calibration Time: 09:12

Lab Smp Id: 1869-164C-5

Client Smp ID: CCV

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: gm

Method File: /chem/msd10.i/20May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	304814	152407	609628	304814	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/20May2011.b/10052002sim.d

Date : 20-May-2011 09:12

Client ID: CCV

Sample Info: #1869-164C-5;CCV

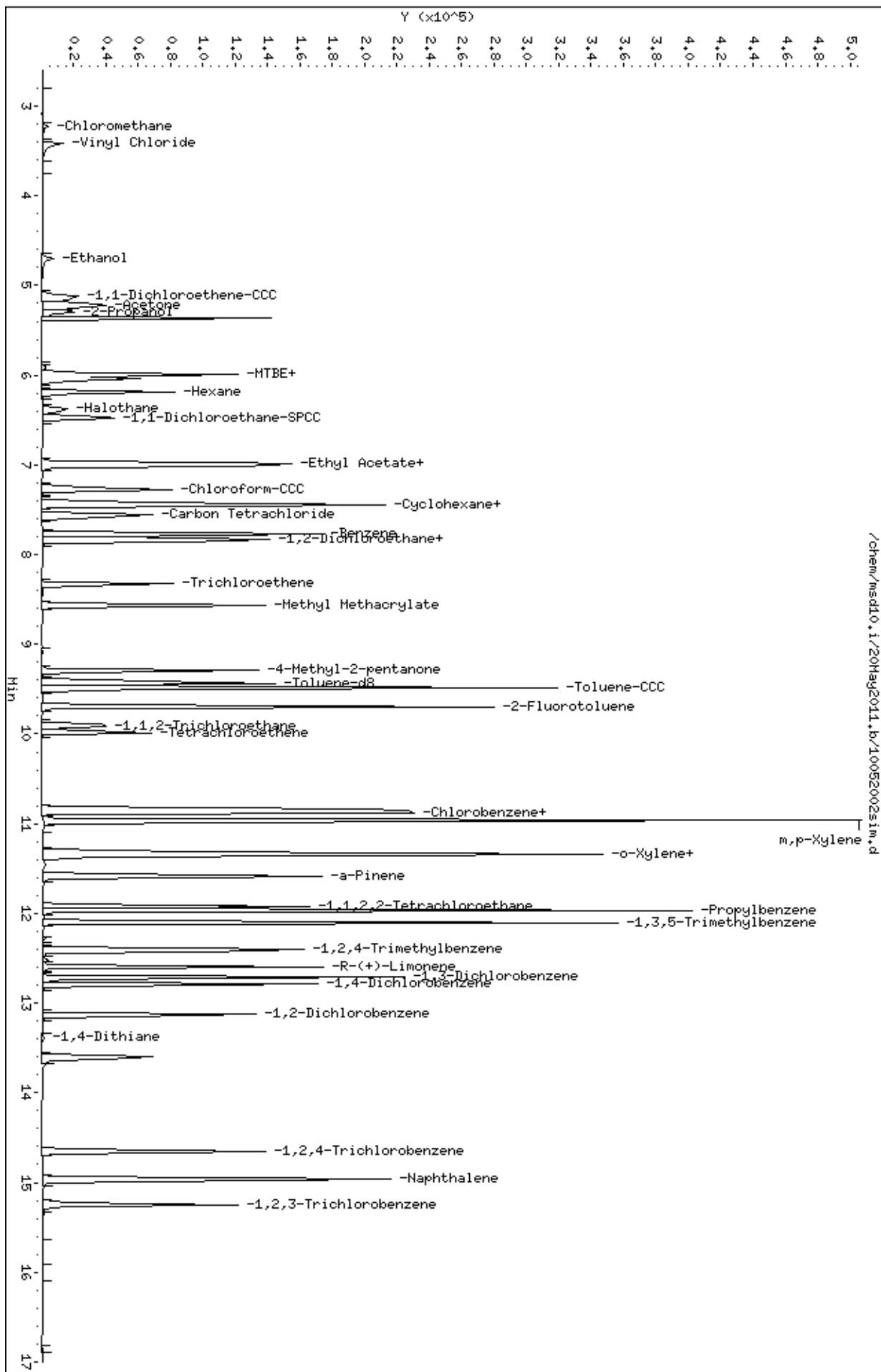
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: gm

Column diameter: 0.25



Client Sample ID: LCS

Lab ID#: 1105031A-16A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051906sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/19/11 12:17 PM
		Date of Extraction: 5/19/11

Compound	%Recovery
Chloromethane	241 Q
Vinyl Chloride	80
1,1-Dichloroethene	96
Acetone	76
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	98
Hexane	120
1,1-Dichloroethane	104
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	97
Chloroform	108
Cyclohexane	111
1,1,1-Trichloroethane	107
Carbon Tetrachloride	102
Benzene	87
1,2-Dichloroethane	100
Heptane	107
Trichloroethene	108
4-Methyl-2-pentanone	116
Toluene	106
1,1,2-Trichloroethane	106
Tetrachloroethene	105
Chlorobenzene	100
Ethyl Benzene	108
m,p-Xylene	108
o-Xylene	96
Styrene	86
1,1,2,2-Tetrachloroethane	98
Propylbenzene	113
1,3,5-Trimethylbenzene	110
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	88
1,2-Dichlorobenzene	83
Naphthalene	36

Q = Exceeds Quality Control limits.

Container Type: WMS-SE

Client Sample ID: LCS

Lab ID#: 1105031A-16A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051906sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 5/19/11 12:17 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Report Date: 19-May-2011 12:39

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 19May2011
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: 1105031A Client Smp ID: LCS
 Level: MED Operator: LZ
 Data Type: MS DATA SampleType: LCS
 SpikeList File: LCS.spk Quant Type: ISTD
 Sublist File: all-2cve.sub
 Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m
 Misc Info: ,NOTICS

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
1 Chloromethane	5.00000	12.0341	240.68*	50-140
2 Vinyl Chloride	5.00000	3.99021	79.80	50-140
3 Ethanol	5.00000	2.33653	46.73*	50-130
4 1,1-Dichloroethene	5.00000	4.77910	95.58	70-130
5 Acetone	5.00000	3.80800	76.16	70-130
6 2-Propanol	5.00000	8.31225	166.24*	50-150
7 MTBE	5.00000	5.27059	105.41	70-130
8 trans-1,2-Dichloro	5.00000	4.92013	98.40	70-130
9 Hexane	5.00000	6.02838	120.57	70-130
10 Halothane	5.00000	4.96910	99.38	70-130
11 1,1-Dichloroethane	5.00000	5.19222	103.84	70-130
12 Ethyl Acetate	5.00000	4.97411	99.48	70-130
13 2-Butanone	5.00000	4.77953	95.59	70-130
14 cis-1,2-Dichloroet	5.00000	4.86630	97.33	70-130
15 Chloroform-CCC	5.00000	5.38049	107.61	70-130
16 Cyclohexane	5.00000	5.55940	111.19	70-130
17 1,1,1-Trichloroeth	5.00000	5.36984	107.40	70-130
18 Carbon Tetrachlori	5.00000	5.12822	102.56	70-130
19 Benzene	5.00000	4.35753	87.15	70-130
20 1,2-Dichloroethane	5.00000	4.97641	99.53	70-130
21 Heptane	5.00000	5.36767	107.35	70-130
22 Trichloroethene	5.00000	5.39266	107.85	70-130
24 Methyl Methacrylat	5.00000	5.45475	109.10	70-130
25 4-Methyl-2-pentano	5.00000	5.78345	115.67	70-130
28 Toluene-CCC	5.00000	5.29676	105.94	70-130
30 1,1,2-Trichloroeth	5.00000	5.29753	105.95	70-130
31 Tetrachloroethene	5.00000	5.23904	104.78	70-130
32 Chlorobenzene	5.00000	5.01499	100.30	70-130
33 Ethylbenzene-CCC	5.00000	5.42438	108.49	70-130
34 m,p-Xylene	10.0000	10.7550	107.55	70-130
36 o-Xylene	5.00000	4.77739	95.55	70-130
37 Styrene	5.00000	4.30795	86.16	70-130
38 a-Pinene	5.00000	6.08952	121.79	70-130

Report Date: 19-May-2011 12:39

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39 1,1,2,2-Tetrachlor	5.00000	4.89852	97.97	70-130
40 Propylbenzene	5.00000	5.64192	112.84	70-130
41 1,3,5-Trimethylben	5.00000	5.50128	110.03	70-130
42 1,2,4-Trimethylben	5.00000	5.31339	106.27	70-130
43 R-(+)-Limonene	5.00000	5.84456	116.89	70-130
44 1,3-Dichlorobenzen	5.00000	4.37152	87.43	50-120
45 1,4-Dichlorobenzen	5.00000	4.42591	88.52	50-120
46 1,2-Dichlorobenzen	5.00000	4.14921	82.98	50-130
48 1,2,4-Trichloroben	5.00000	3.47994	69.60	40-140
49 Naphthalene	5.00000	1.80813	36.16	5-80
50 1,2,3-Trichloroben	5.00000	2.89813	57.96	40-140

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.10172	102.03	70-130

Air Toxics Ltd.

VOCs in CS2 Extract by GC/MS

Data file : /chem/msd10.i/19May2011.b/10051906sim.d

Lab Smp Id: 1105031AClient Smp ID: LCS

Inj Date : 19-MAY-2011 12:17

Operator : LZInst ID: msd10.i

Smp Info : ;1105351;LCS

Misc Info : ,NOTICS

Comment :

Method : /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Meth Date : 19-May-2011 09:57 lzhangQuant Type: ISTD

Cal Date : 17-MAY-2011 15:03Cal File: 10051710sim.d

Als bottle: 6QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: all-2cve.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd VariableLocal Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		ON-COLUMN	FINAL				
	MASS	RT	EXP RT REL RT	RESPONSE	(ug/mL)	(ug)	
=====	====	==	=====	=====	=====	=====	
1 Chloromethane	50	3.227	3.227 (0.333)	27848	12.0341	12.0341(R)	
2 Vinyl Chloride	62	3.420	3.420 (0.353)	35529	3.99021	3.99021	
3 Ethanol	45	4.696	4.696 (0.484)	12212	2.33653	2.33653(R)	
4 1,1-Dichloroethene-CCC	96	5.139	5.116 (0.530)	49421	4.77910	4.77910	
5 Acetone	58	5.229	5.229 (0.539)	28295	3.80800	3.80800	
6 2-Propanol	45	5.296	5.296 (0.546)	74053	8.31225	8.31225(R)	
7 MTBE	73	6.018	6.018 (0.620)	226236	5.27059	5.27059	
8 trans-1,2-Dichloroethene	96	6.066	6.090 (0.625)	62199	4.92013	4.92013	
9 Hexane	57	6.211	6.211 (0.640)	156094	6.02838	6.02838	
10 Halothane	117	6.403	6.403 (0.660)	36524	4.96910	4.96910	
11 1,1-Dichloroethane-SPCC	63	6.486	6.486 (0.669)	120009	5.19222	5.19222	
12 Ethyl Acetate	70	6.995	6.995 (0.721)	21221	4.97411	4.97411	
13 2-Butanone	72	7.017	7.017 (0.723)	46718	4.77953	4.77953	
14 cis-1,2-Dichloroethene	96	7.017	7.039 (0.723)	68697	4.86630	4.86630	
15 Chloroform-CCC	83	7.279	7.279 (0.750)	130883	5.38049	5.38049	
16 Cyclohexane	84	7.444	7.443 (0.767)	161627	5.55940	5.55940	

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	=====	=====	
17 1,1,1-Trichloroethane	97	7.444	7.443	(0.767)	130717	5.36984	5.36984	
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	97735	5.12822	5.12822	
19 Benzene	78	7.773	7.800	(0.801)	297054	4.35753	4.35753	
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	117845	4.97641	4.97641	
21 Heptane	71	7.855	7.855	(0.810)	96455	5.36767	5.36767	
22 Trichloroethene	130	8.326	8.326	(0.858)	84563	5.39266	5.39266	
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	104716	5.45475	5.45475	
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	39720	5.78345	5.78345	
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	299977	5.10172	5.10172	
28 Toluene-CCC	92	9.483	9.483	(0.978)	242688	5.29677	5.29676	
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	324401	5.00000		
30 1,1,2-Trichloroethane	97	9.893	9.892	(1.020)	80270	5.29753	5.29753	
31 Tetrachloroethene	164	9.989	9.989	(1.030)	71579	5.23904	5.23904	
32 Chlorobenzene	112	10.834	10.833	(1.117)	256974	5.01499	5.01499	
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	152731	5.42438	5.42438	
34 m,p-Xylene	106	10.958	10.958	(1.130)	366871	10.7550	10.7550	
36 o-Xylene	106	11.343	11.343	(1.169)	167057	4.77739	4.77739	
37 Styrene	104	11.343	11.343	(1.169)	184555	4.30795	4.30795	
38 a-Pinene	93	11.591	11.590	(1.195)	244106	6.08953	6.08952	
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	155434	4.89852	4.89852	
40 Propylbenzene	91	11.967	11.967	(1.234)	602919	5.64192	5.64192	
41 1,3,5-Trimethylbenzene	105	12.102	12.101	(1.248)	404473	5.50128	5.50128	
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	308215	5.31339	5.31339	
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	195183	5.84456	5.84456	
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	214027	4.37152	4.37152	
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	181245	4.42591	4.42591	
46 1,2-Dichlorobenzene	146	13.125	13.124	(1.353)	153982	4.14921	4.14921	
48 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.511)	101128	3.47994	3.47994	
49 Naphthalene	128	14.963	14.963	(1.543)	149398	1.80813	1.80813	
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	84664	2.89813	2.89813	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051906sim.d

Calibration Time: 09:35

Lab Smp Id: 1105031A

Client Smp ID: LCS

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	385421	192710	770842	324401	-15.83

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/19May2011.b/10051906sim.d

Date : 19-May-2011 12:17

Client ID: LCS

Sample Info: J1105351;LCS

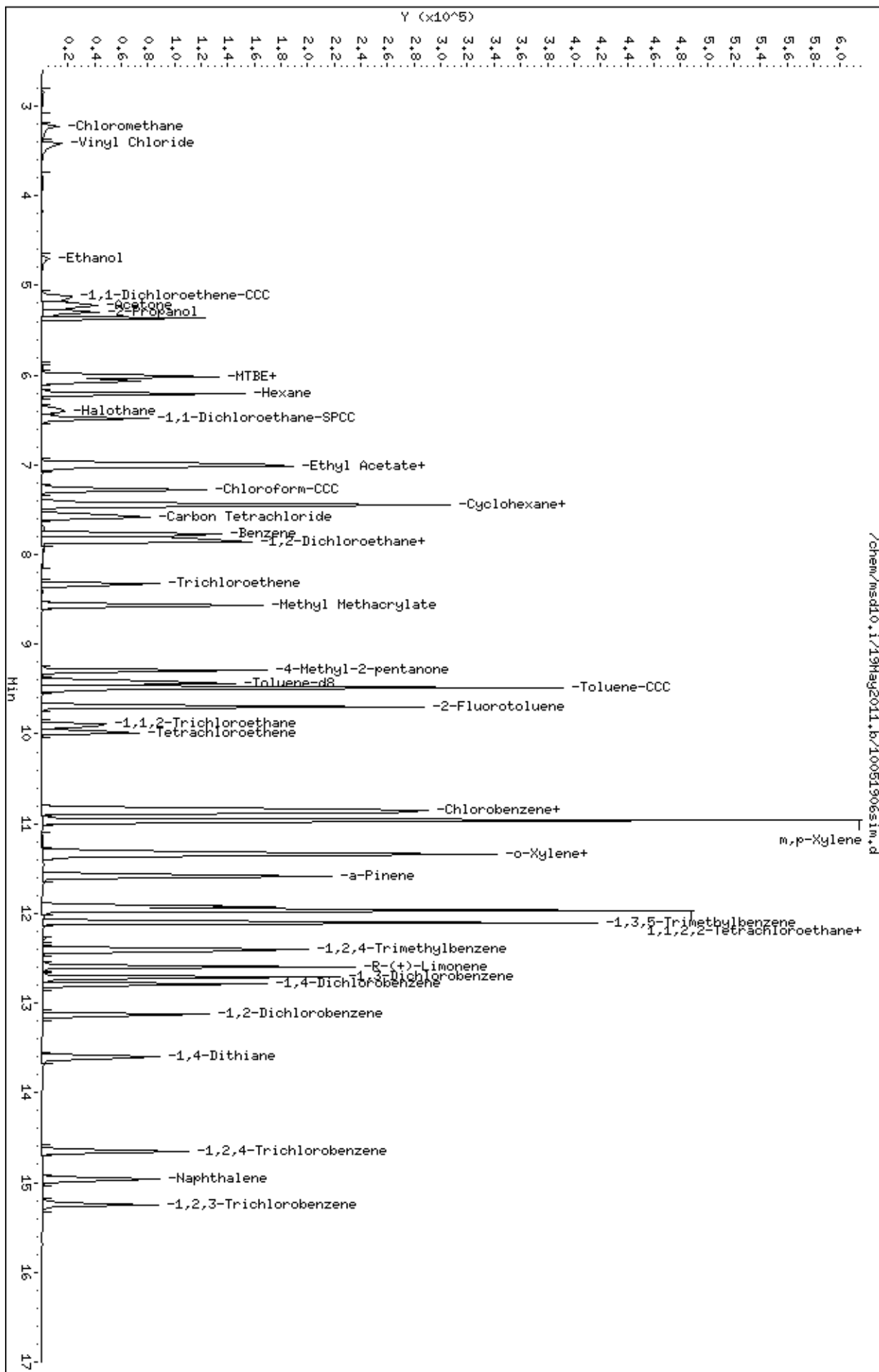
Volume Injected (uL): 1.0

Column Phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

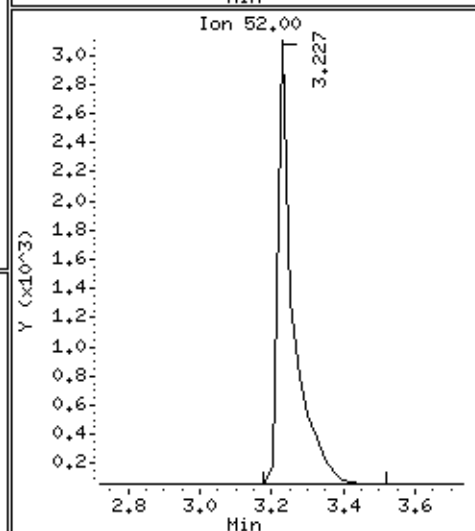
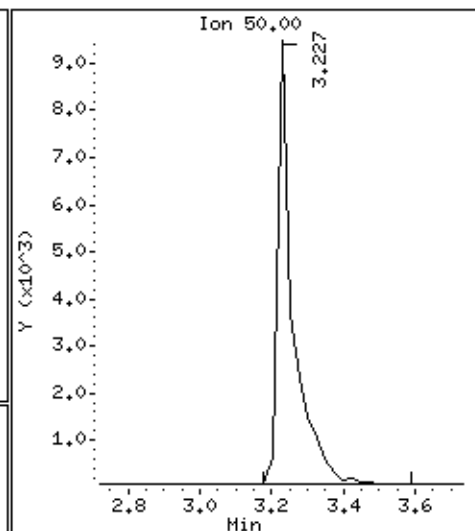
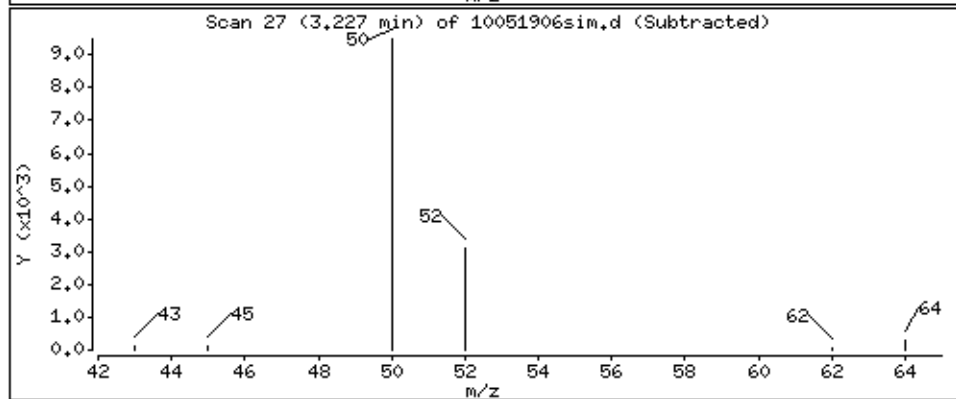
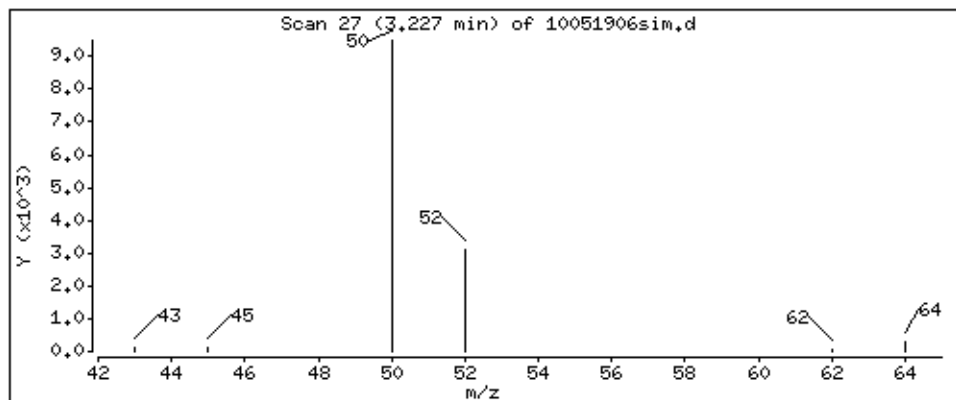
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

1 Chloromethane

Concentration: 12.0341 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

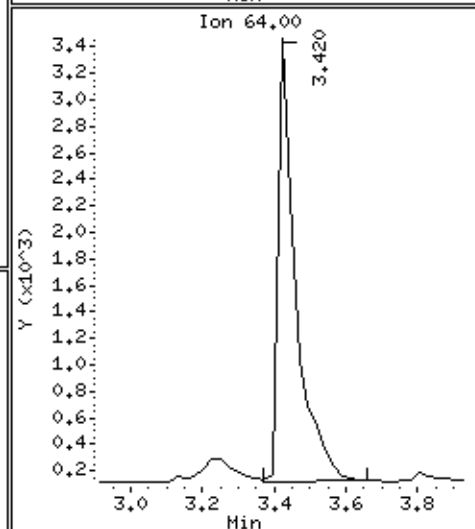
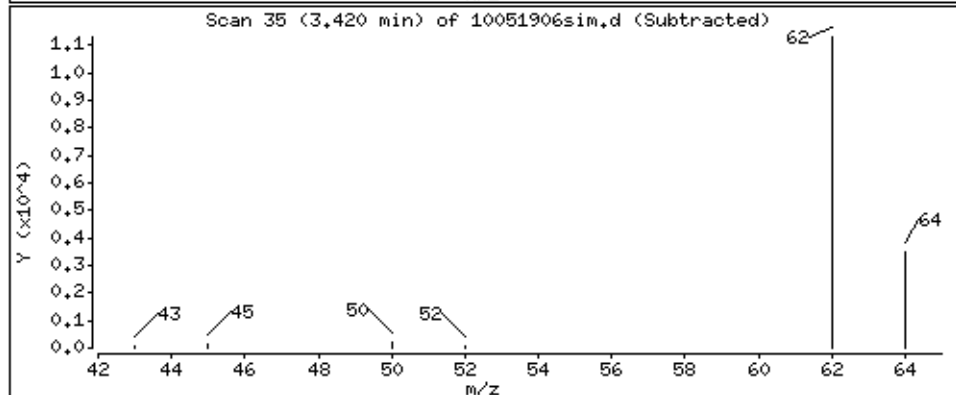
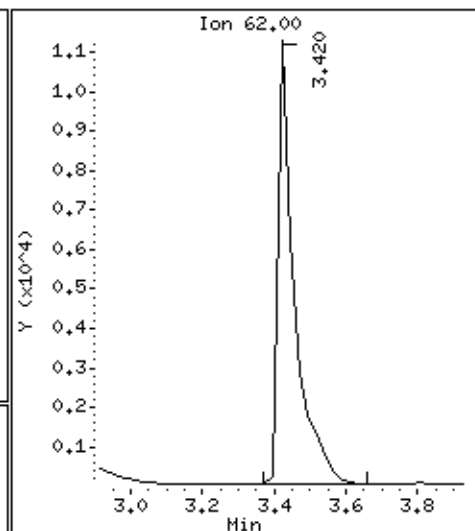
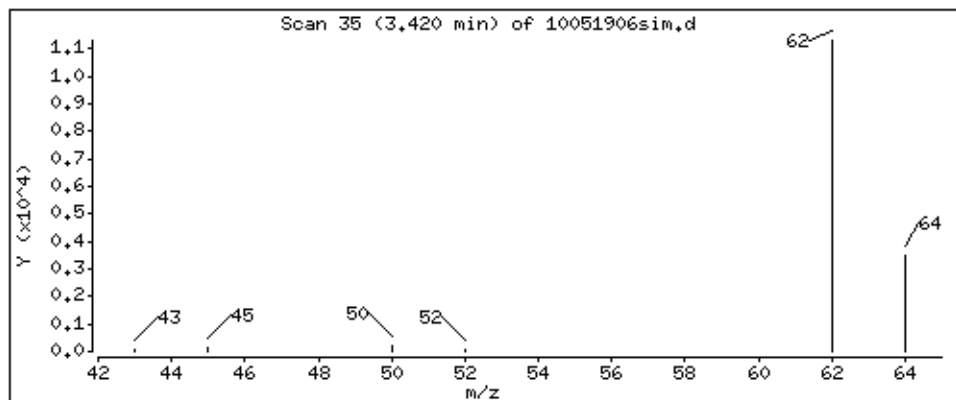
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

2 Vinyl Chloride

Concentration: 3.99021 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

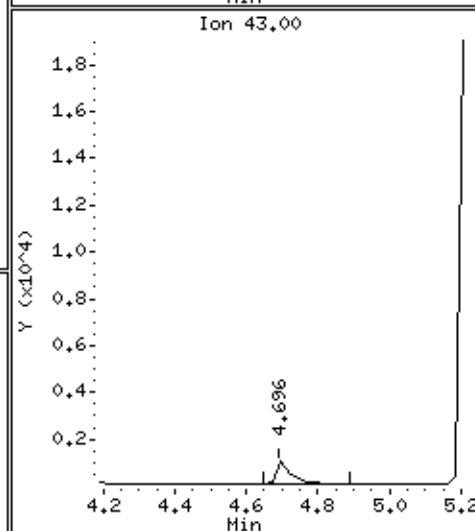
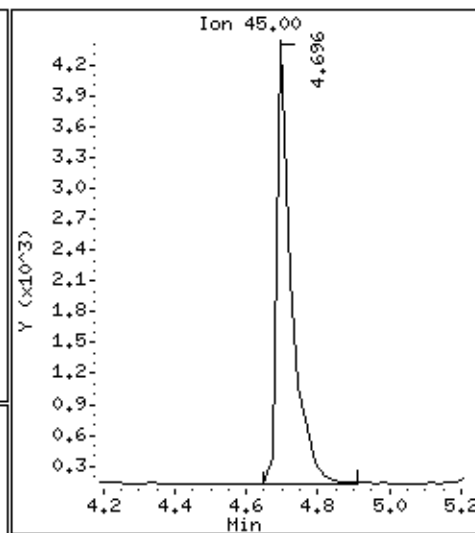
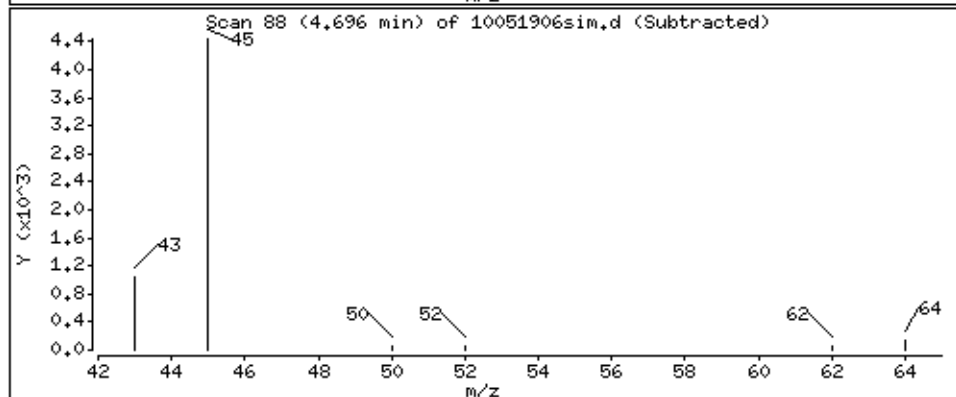
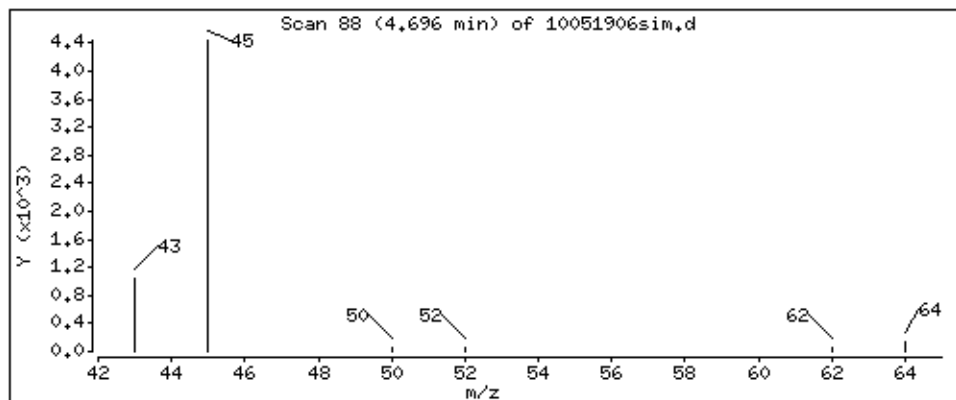
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

3 Ethanol

Concentration: 2.33653 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

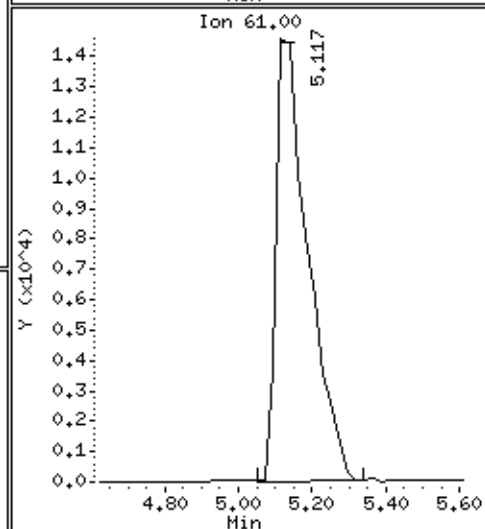
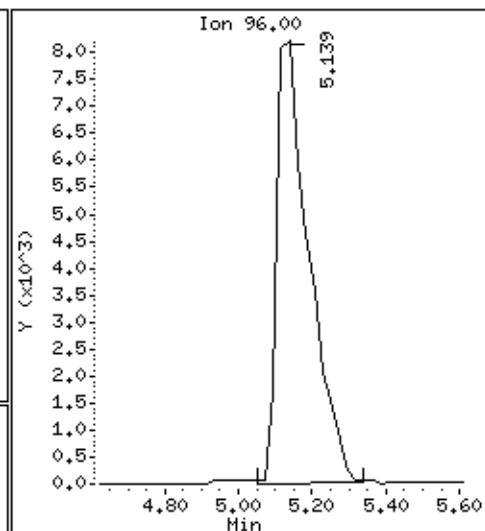
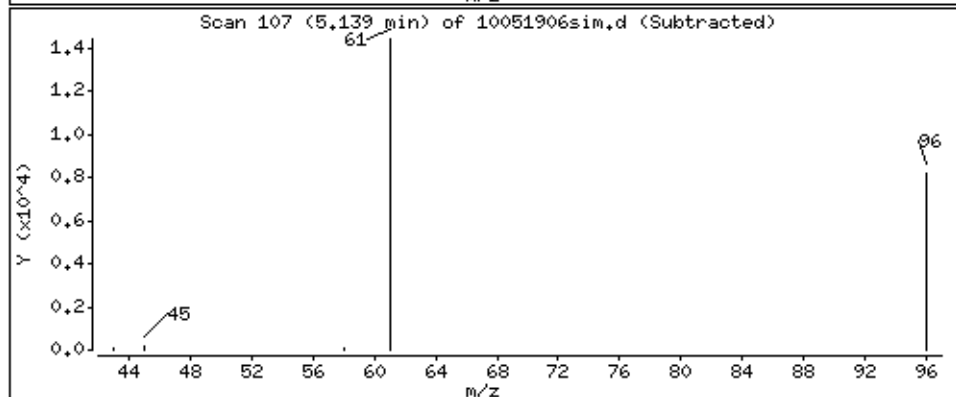
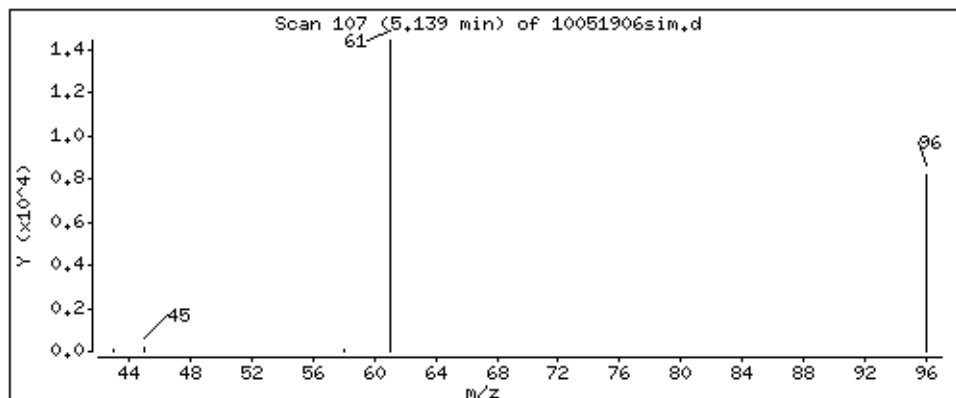
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

4 1,1-Dichloroethene-CCC

Concentration: 4.77910 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

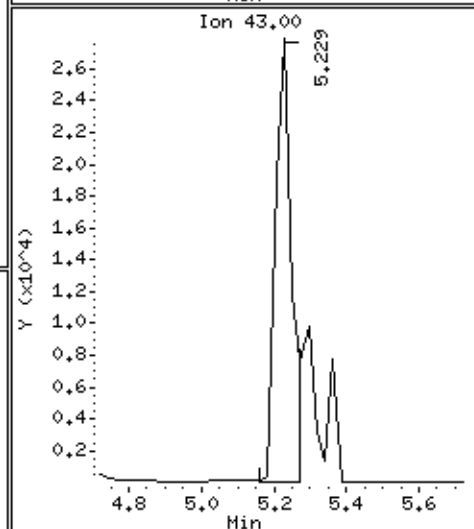
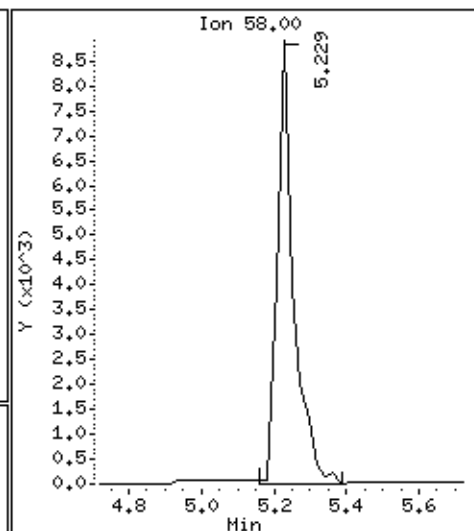
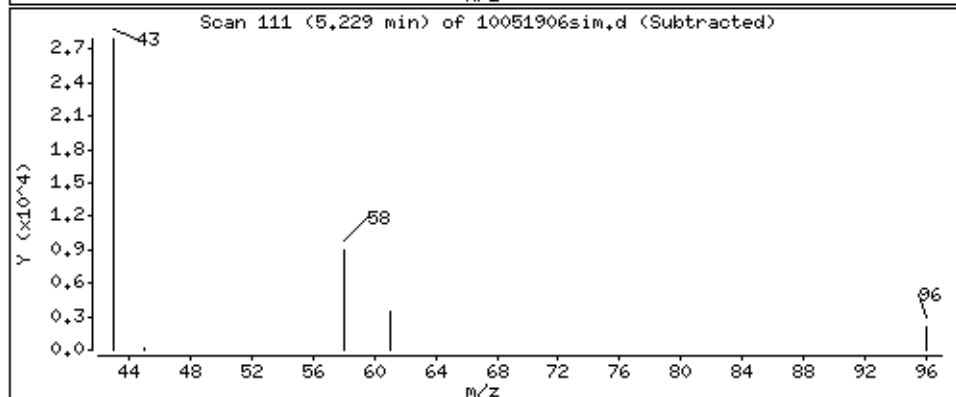
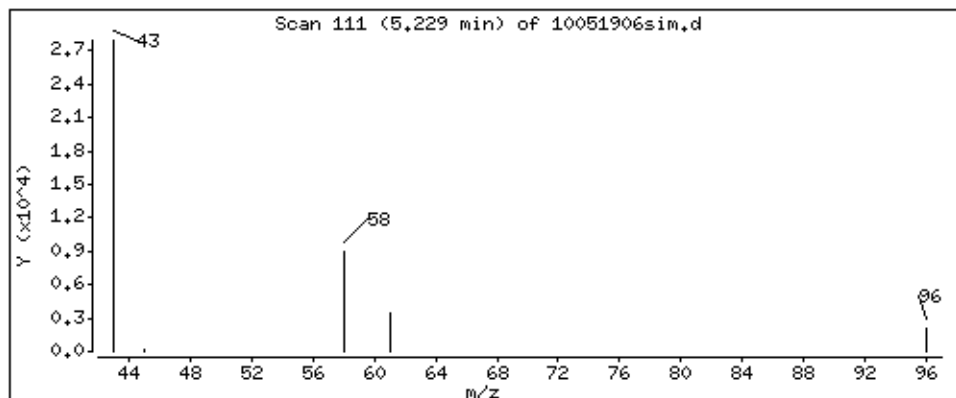
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

5 Acetone

Concentration: 3.80800 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

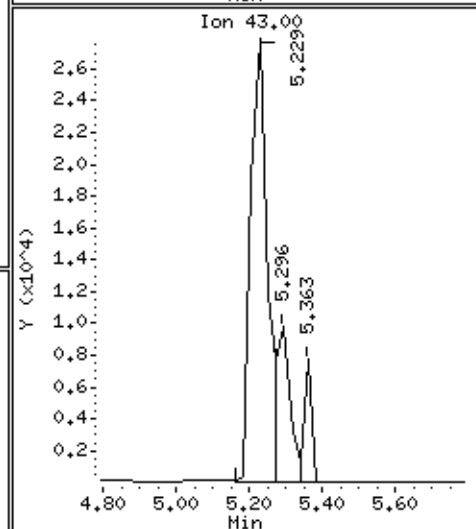
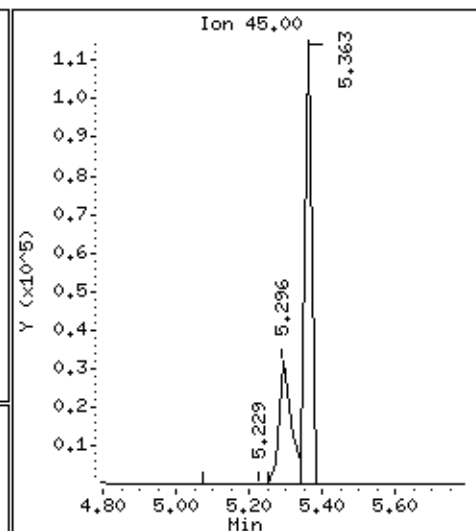
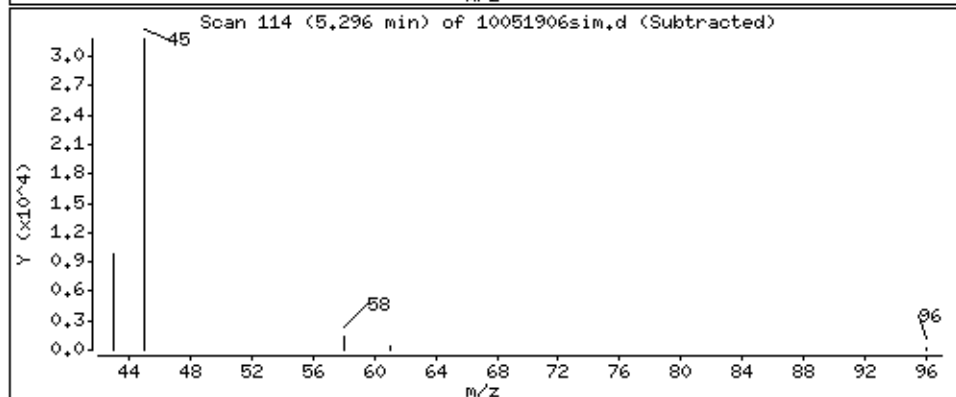
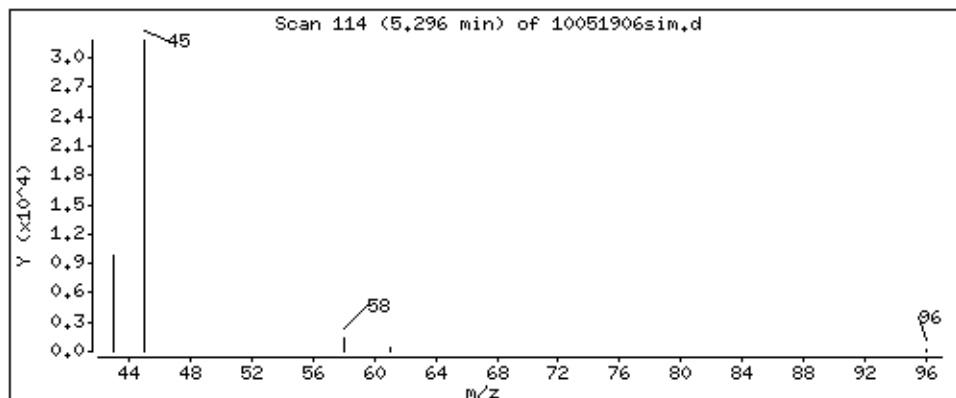
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

6 2-Propanol

Concentration: 8.31225 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

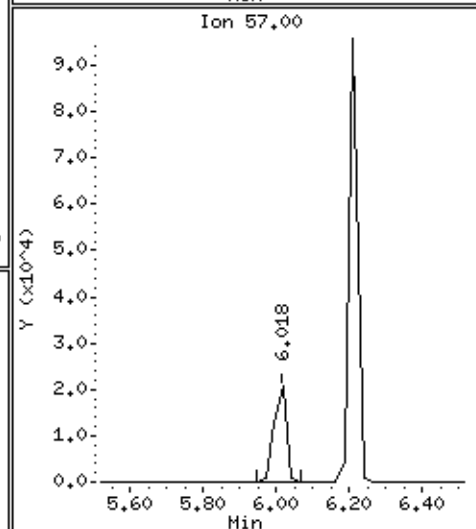
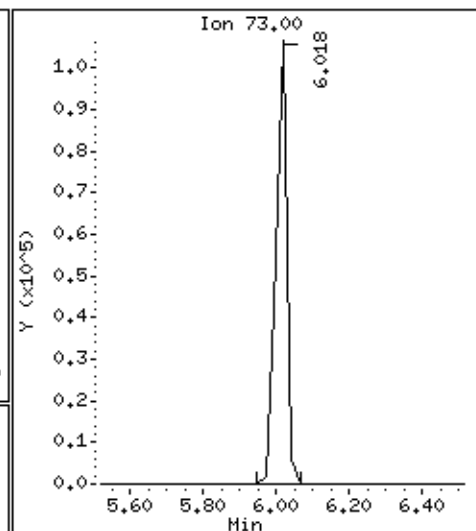
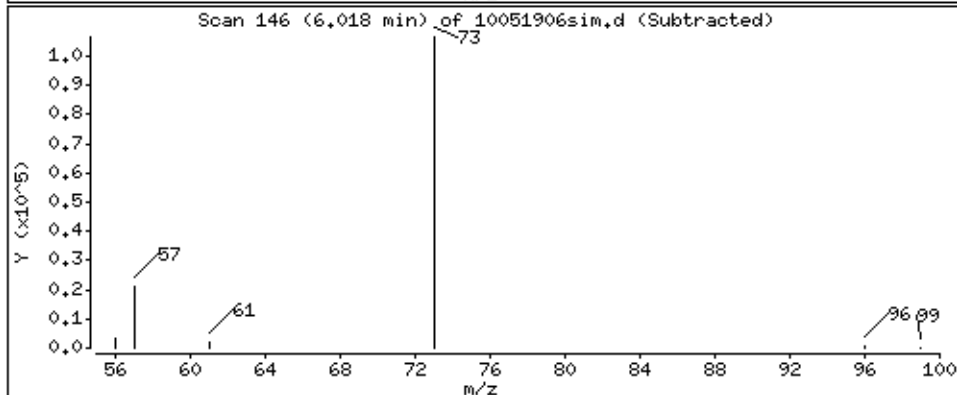
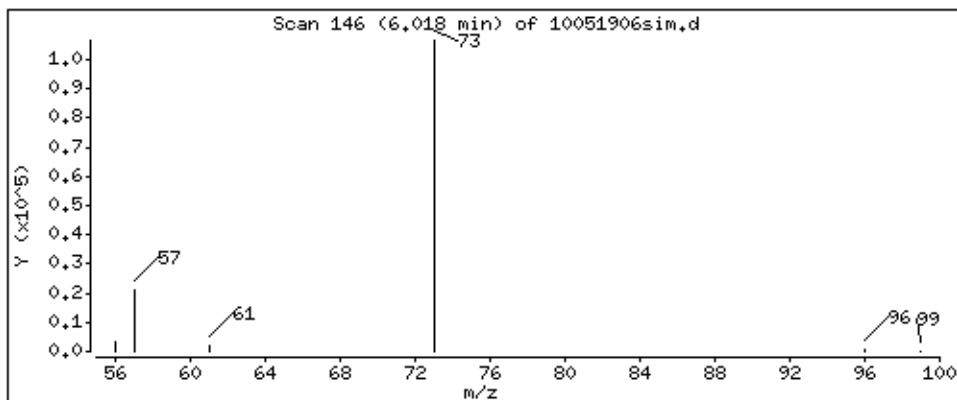
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

7 MTBE

Concentration: 5.27059 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

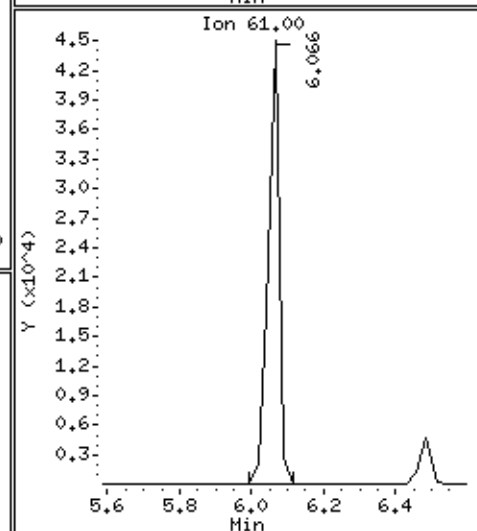
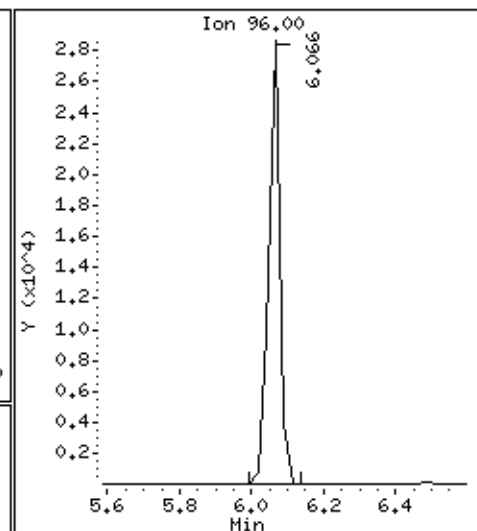
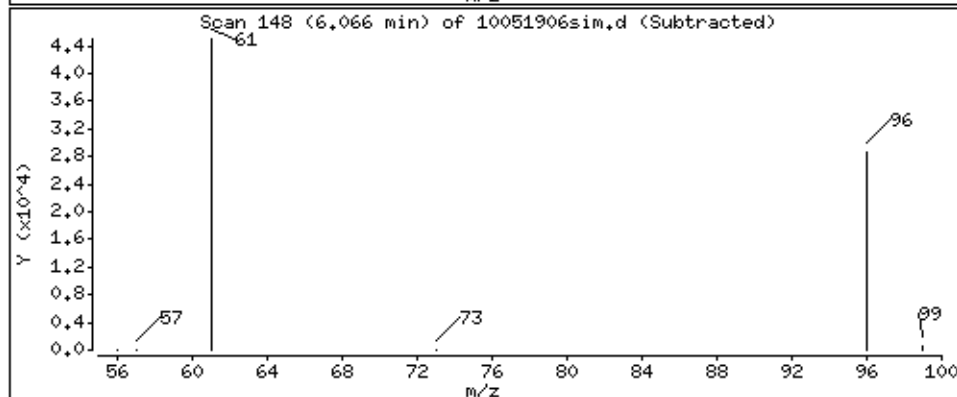
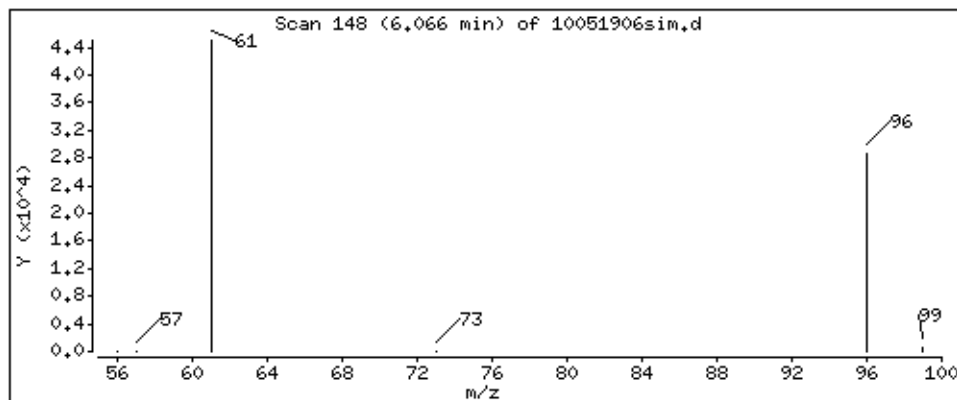
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

8 trans-1,2-Dichloroethene

Concentration: 4.92013 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

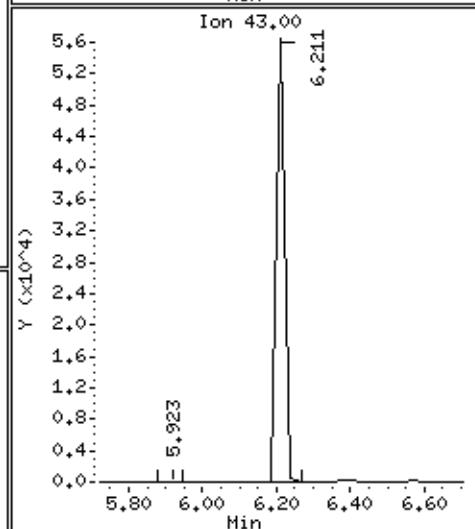
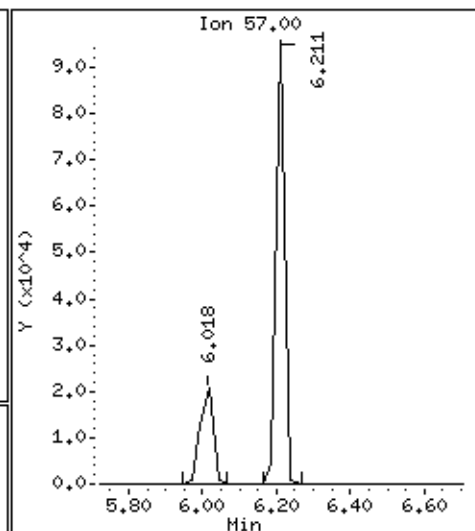
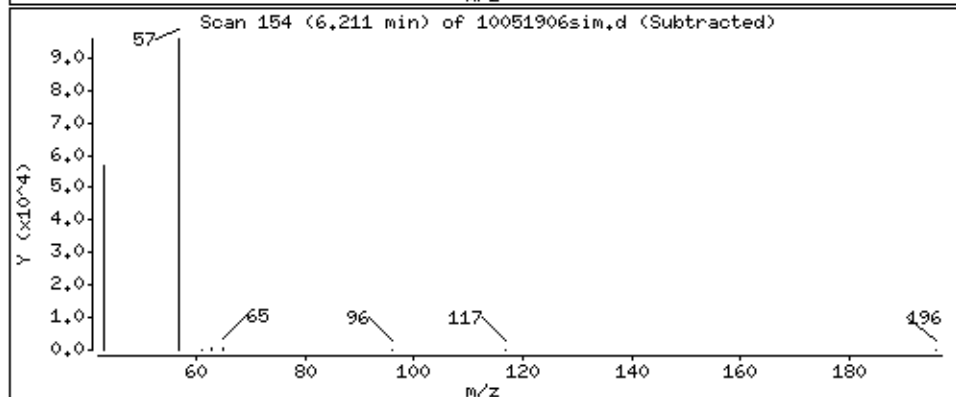
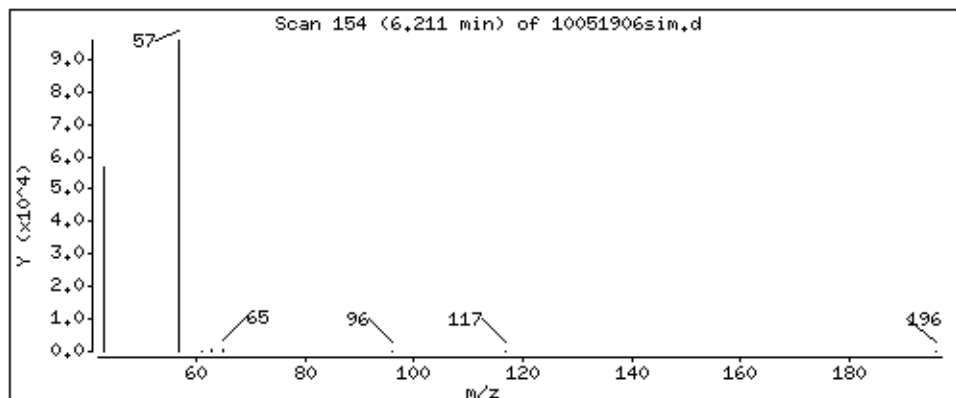
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 6.02838 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

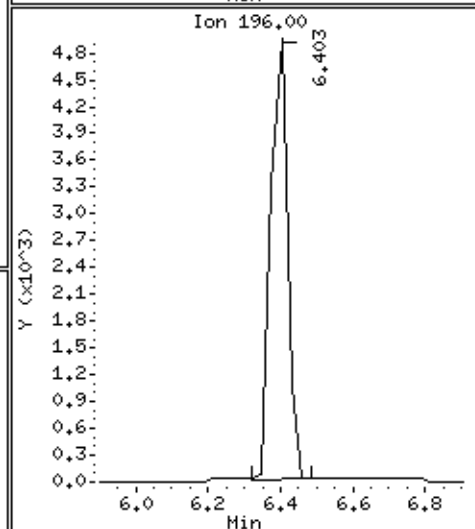
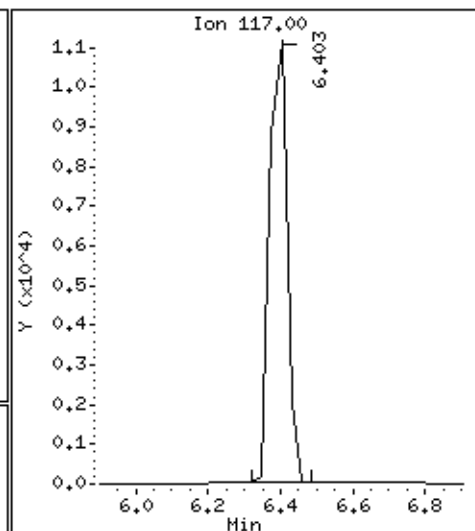
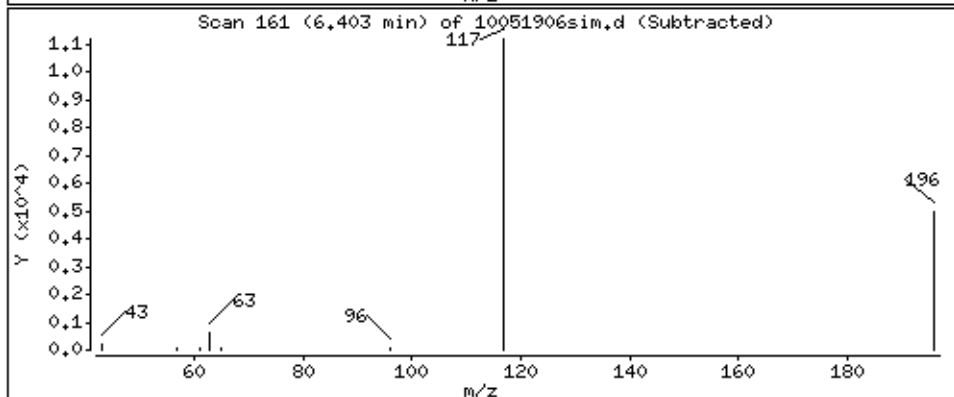
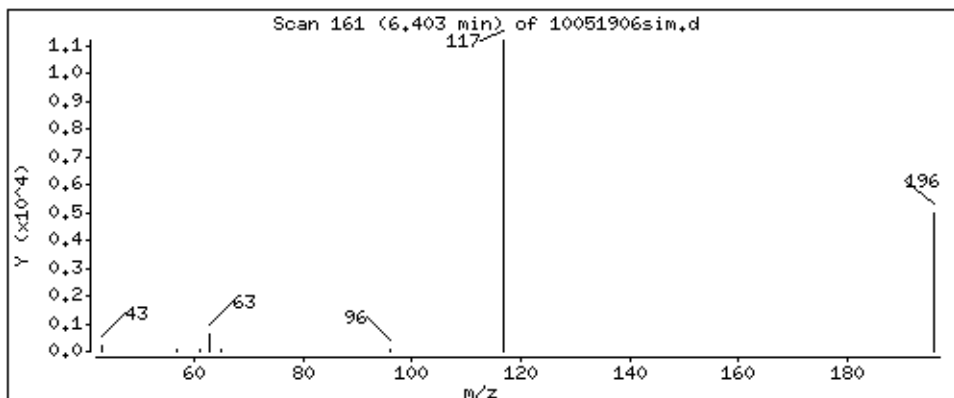
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

10 Halothane

Concentration: 4.96910 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

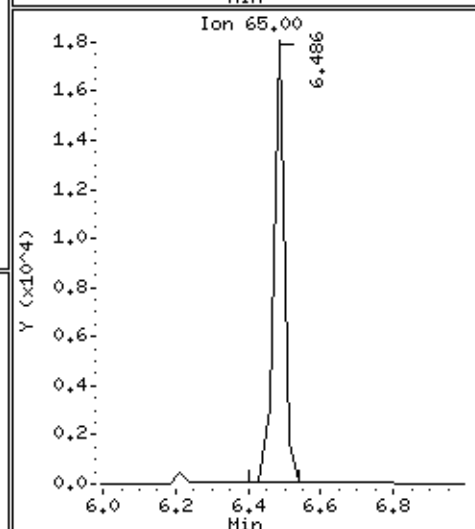
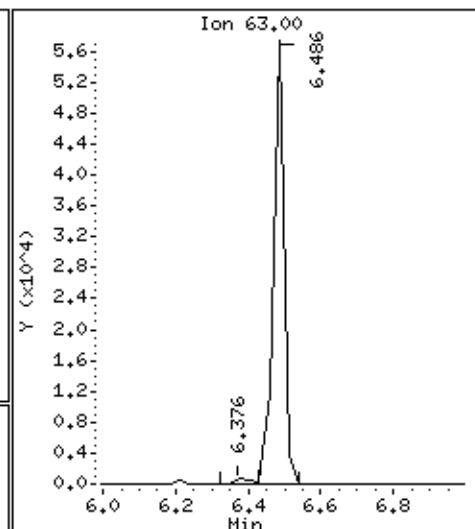
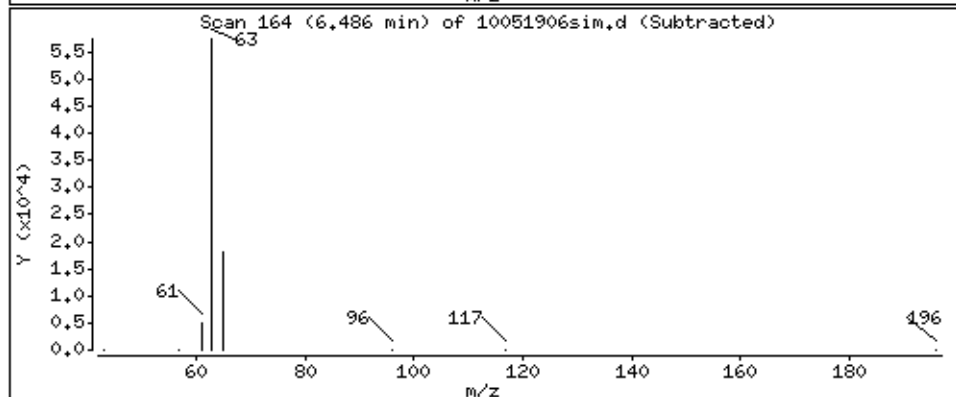
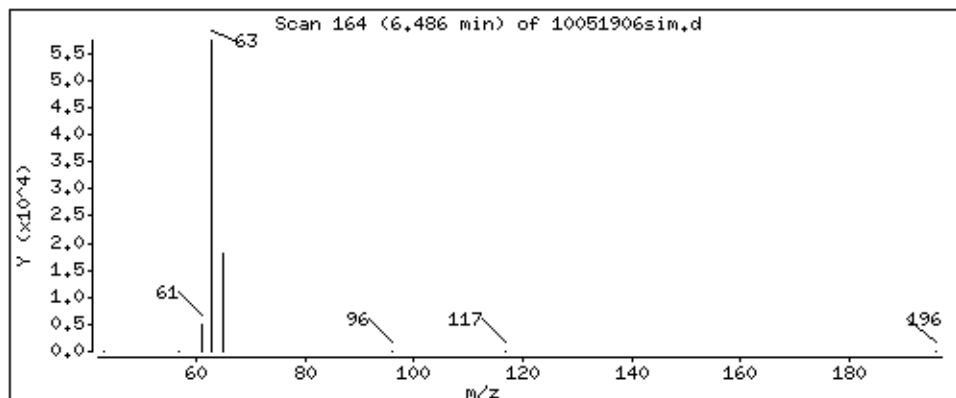
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

11 1,1-Dichloroethane-SPCC

Concentration: 5.19222 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

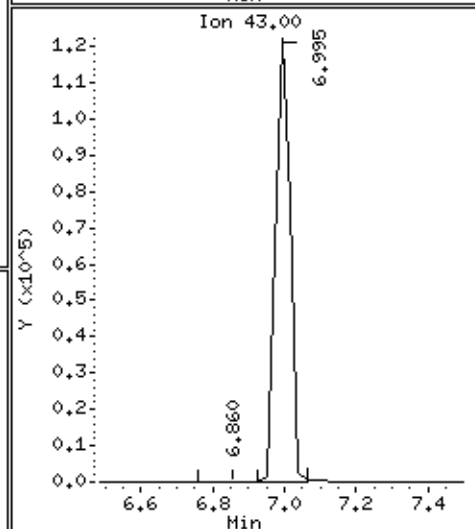
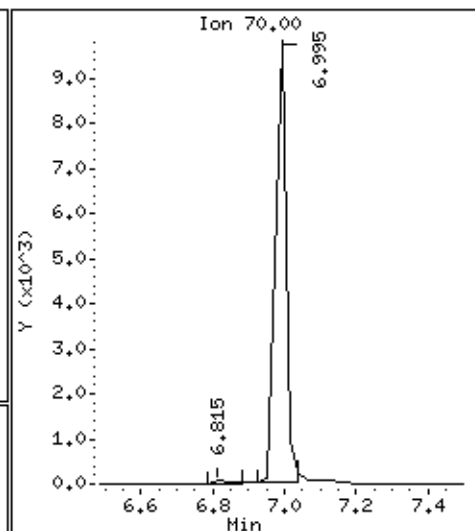
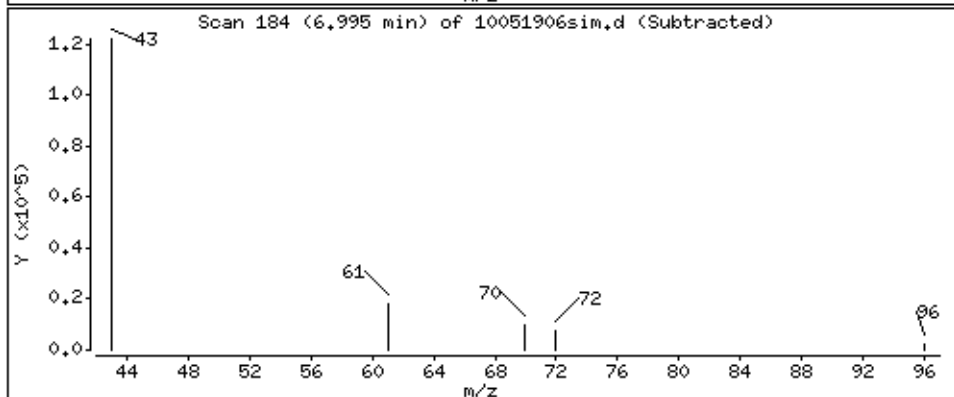
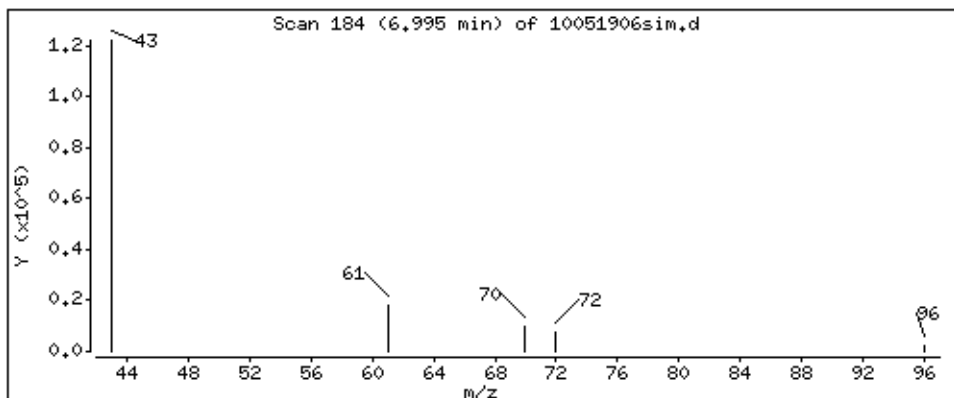
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

12 Ethyl Acetate

Concentration: 4.97411 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

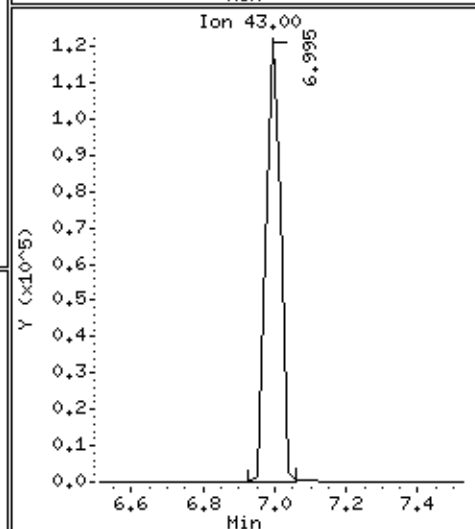
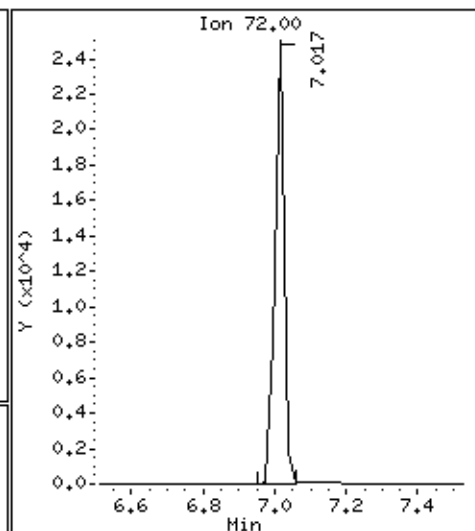
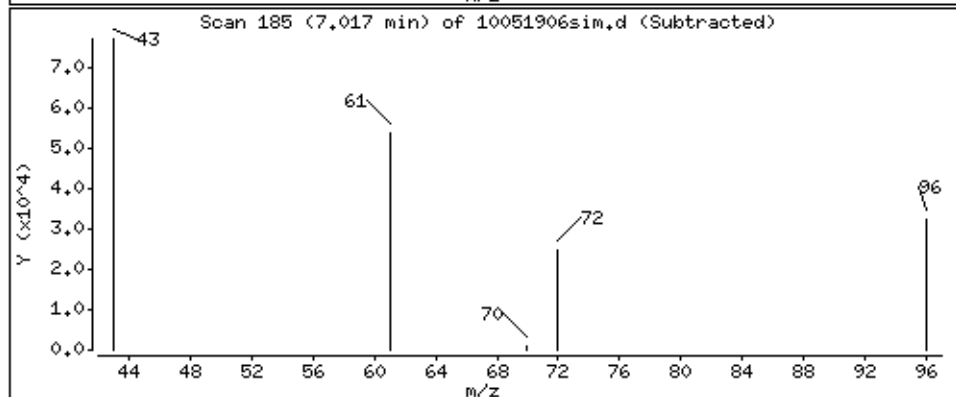
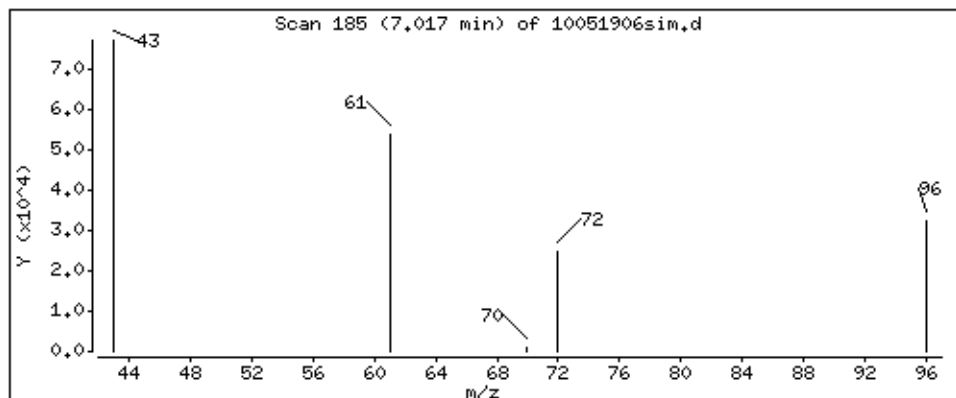
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

13 2-Butanone

Concentration: 4.77953 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

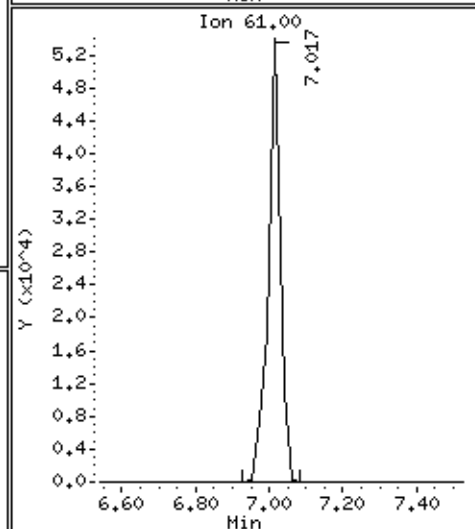
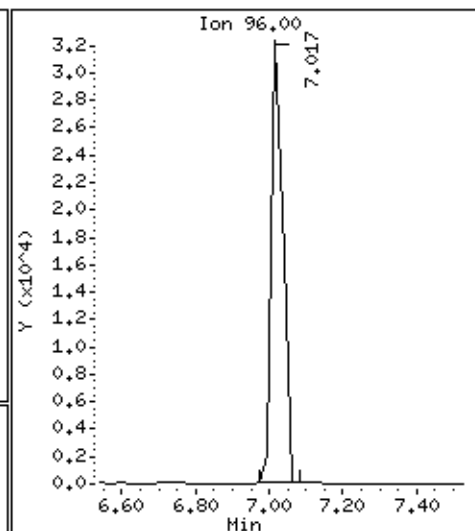
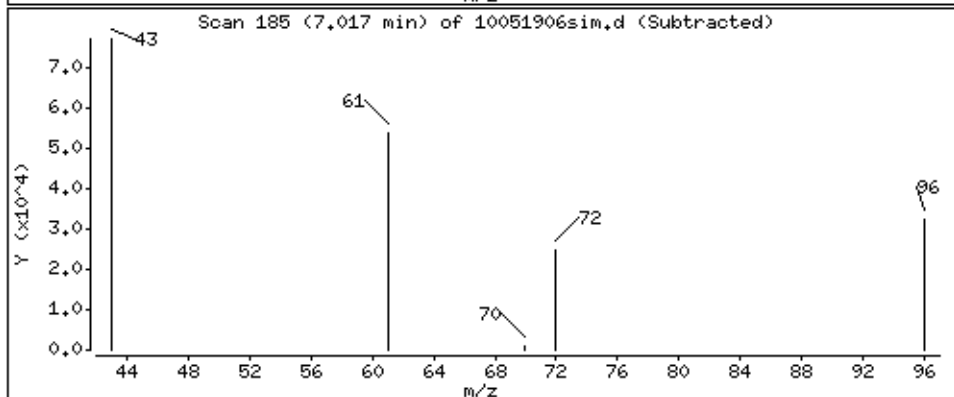
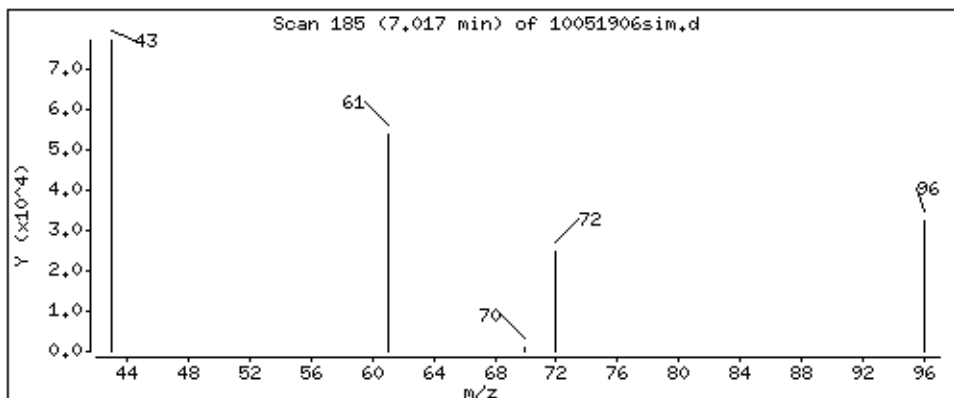
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

14 cis-1,2-Dichloroethene

Concentration: 4.86630 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

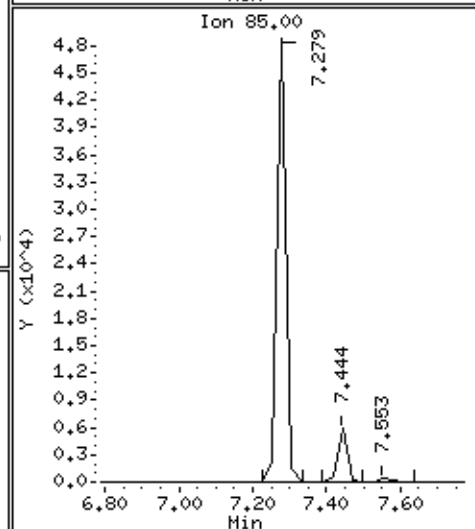
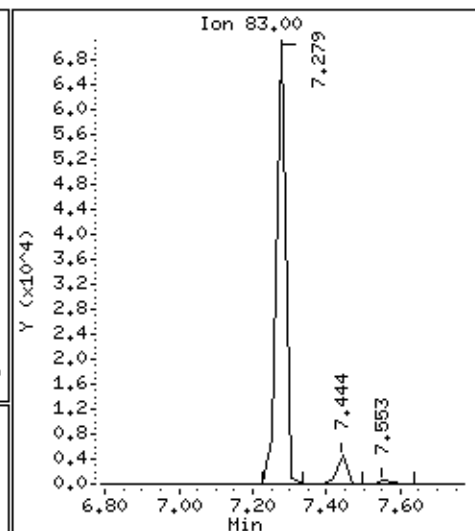
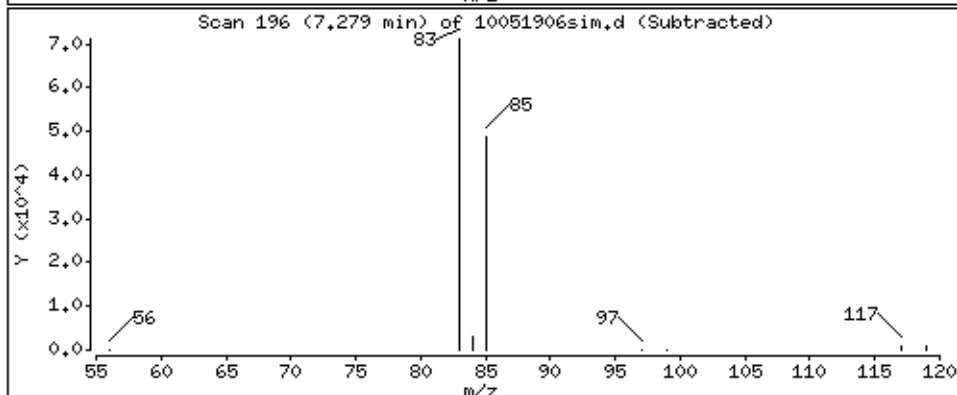
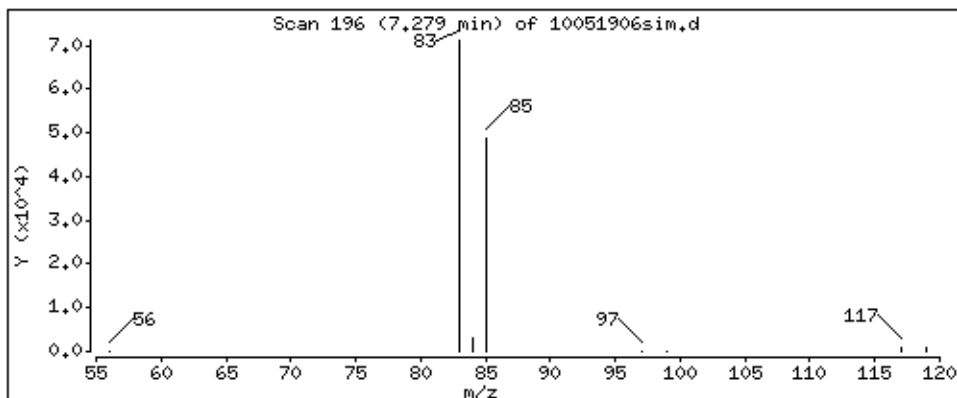
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 5.38049 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

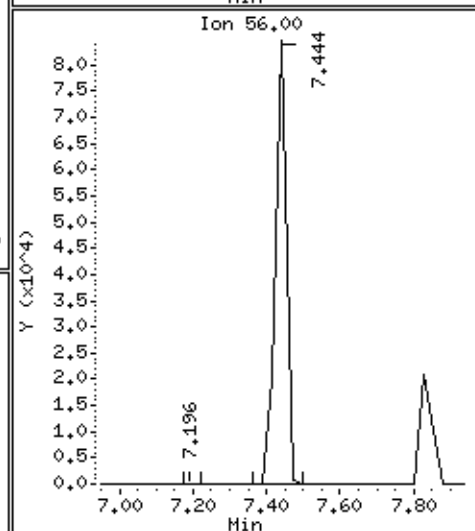
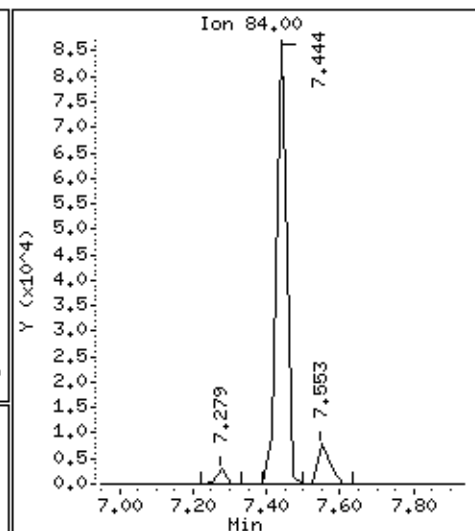
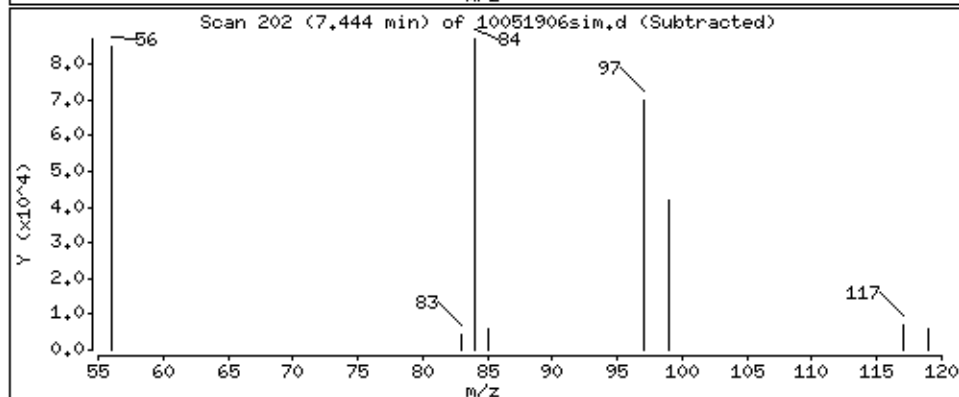
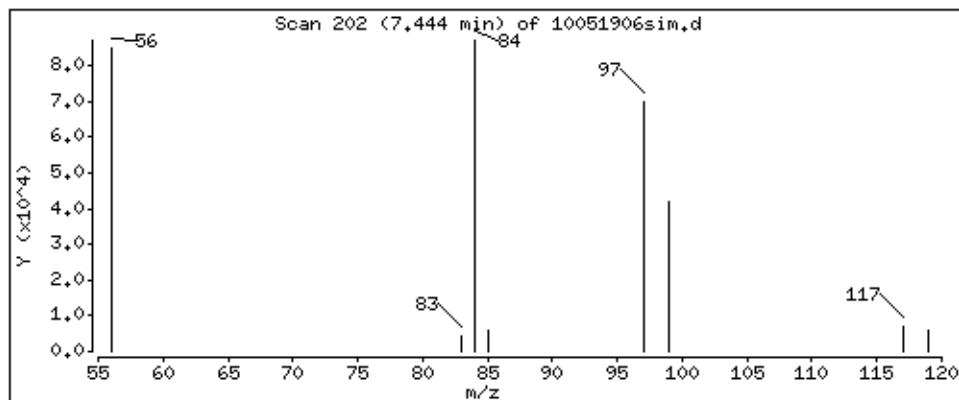
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 5.55940 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

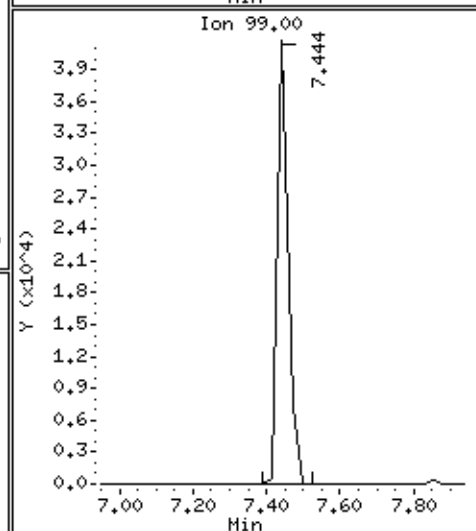
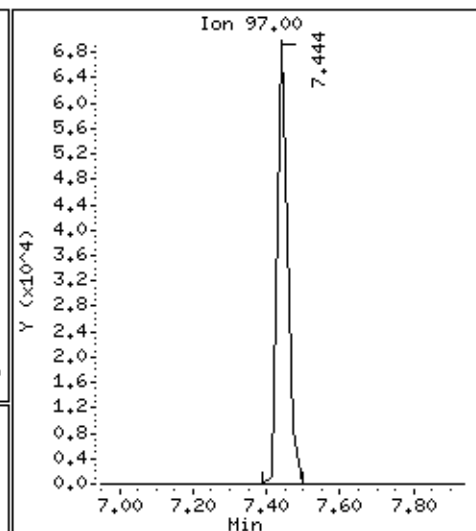
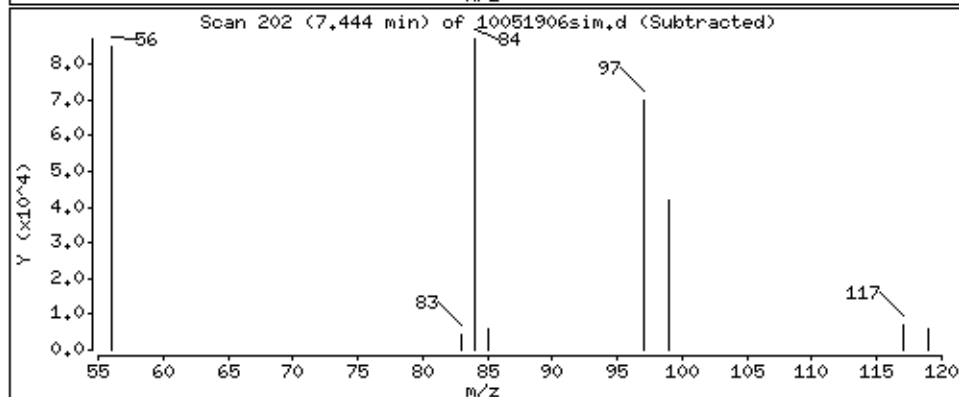
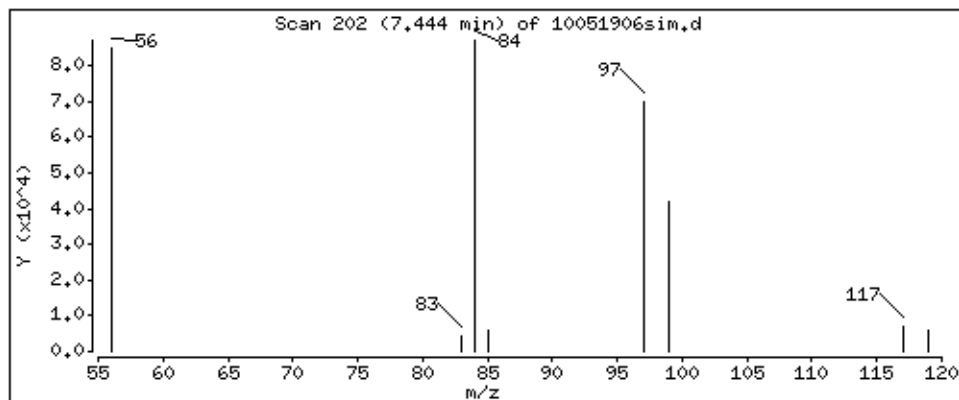
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 5.36984 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

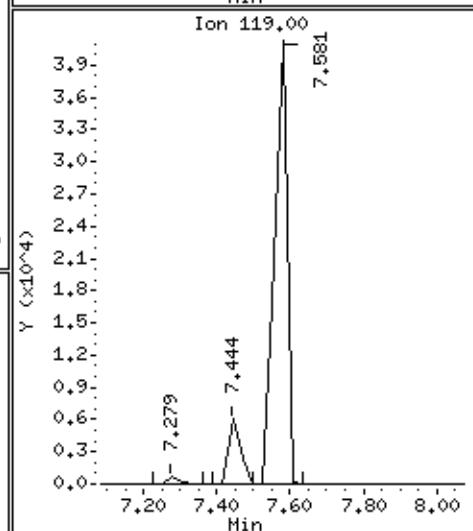
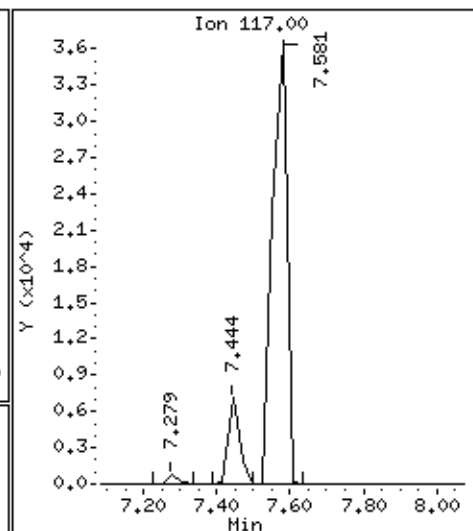
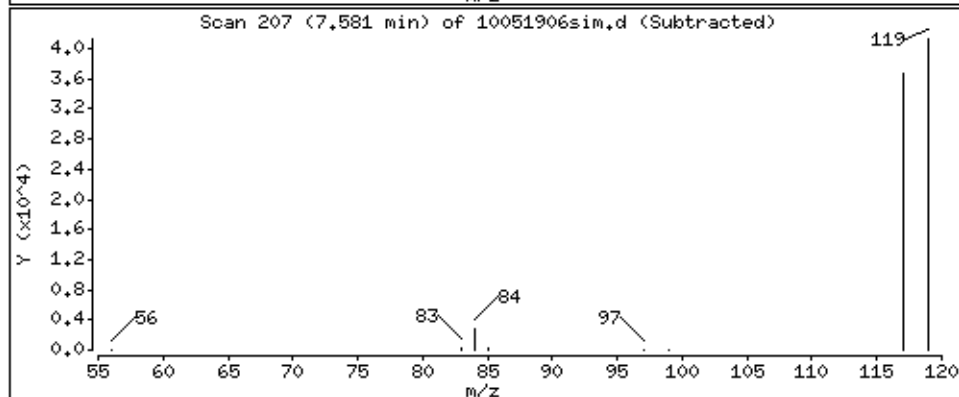
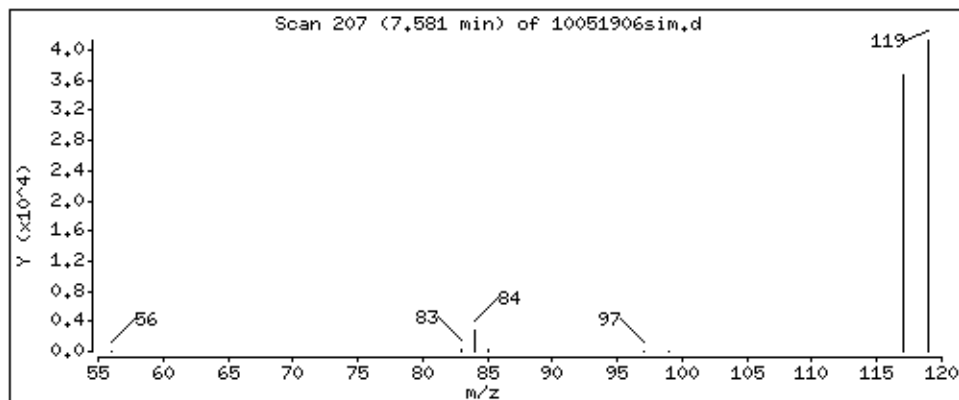
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

18 Carbon Tetrachloride

Concentration: 5.12822 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

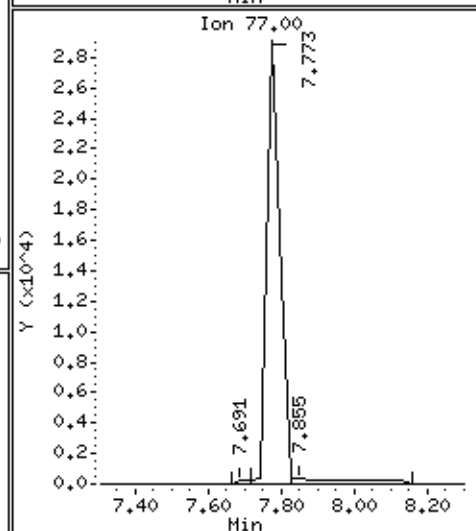
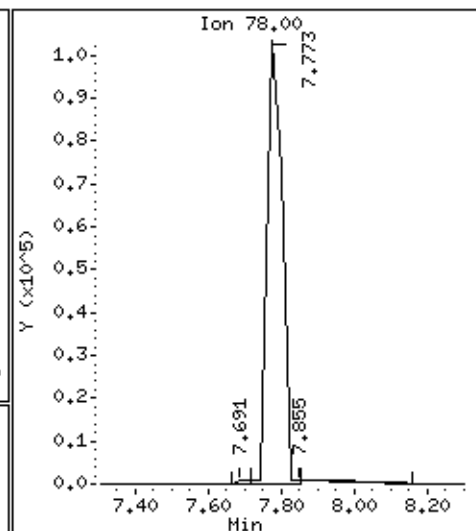
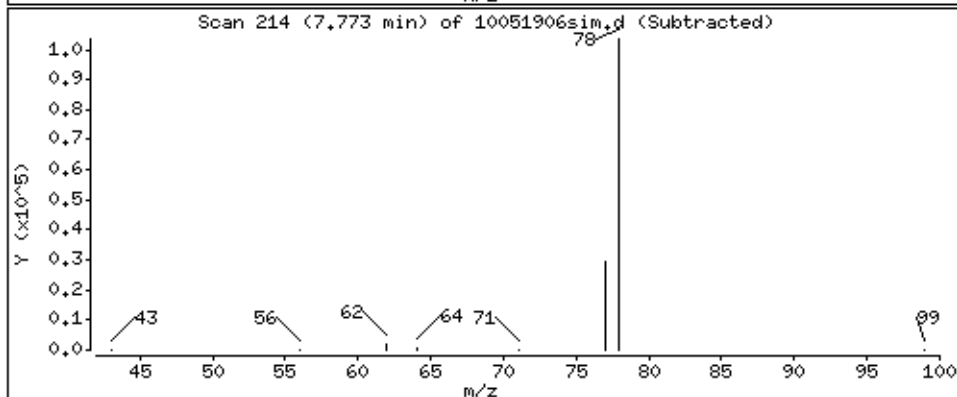
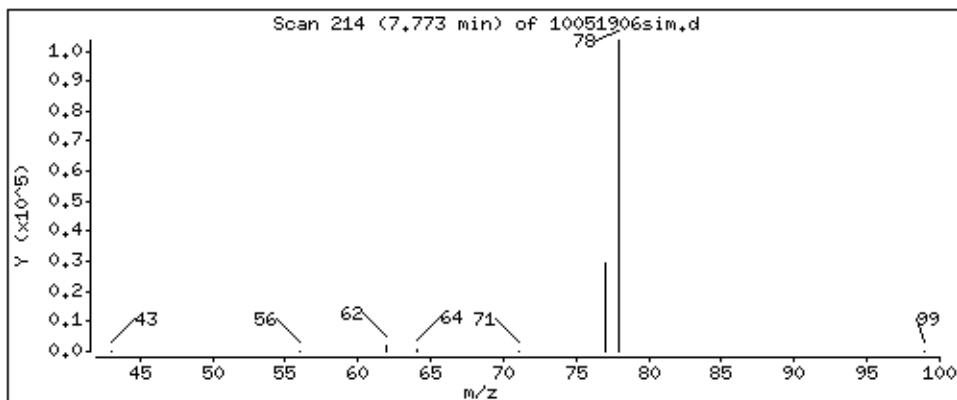
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

19 Benzene

Concentration: 4.35753 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

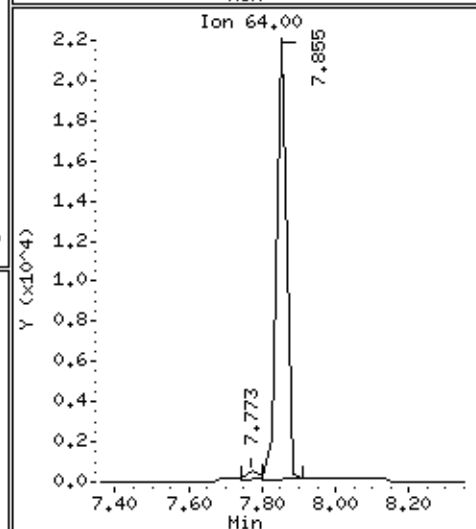
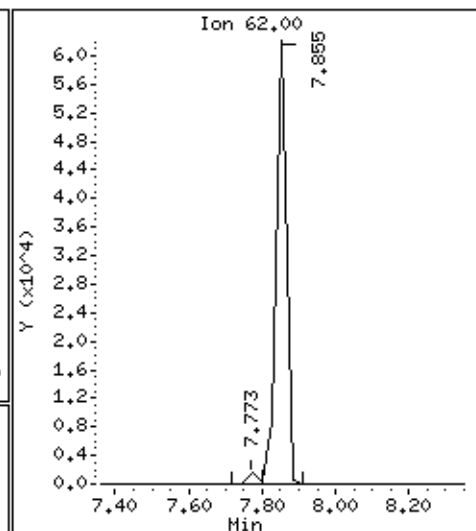
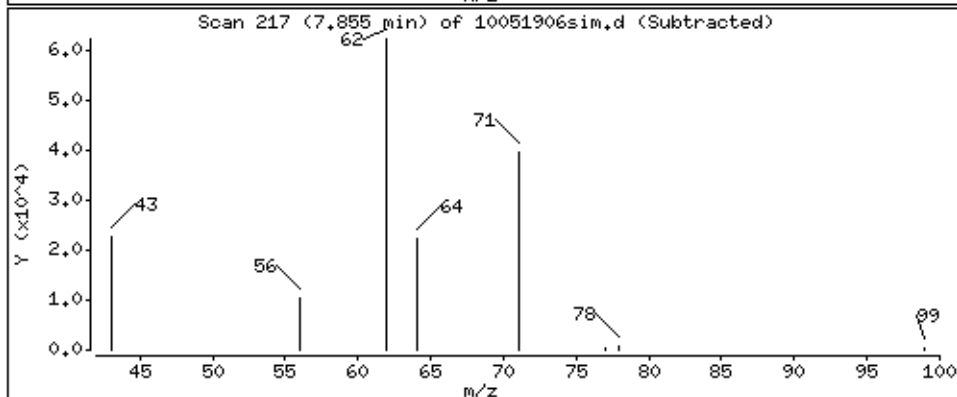
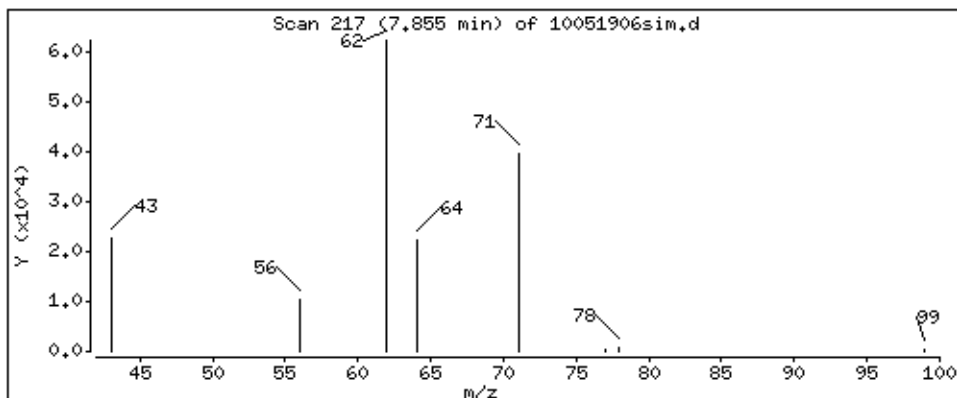
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

20 1,2-Dichloroethane

Concentration: 4.97641 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

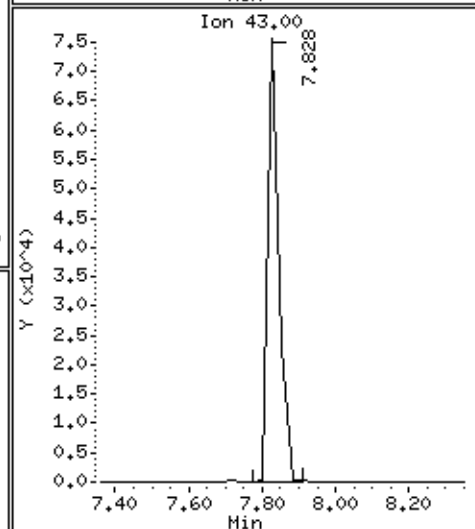
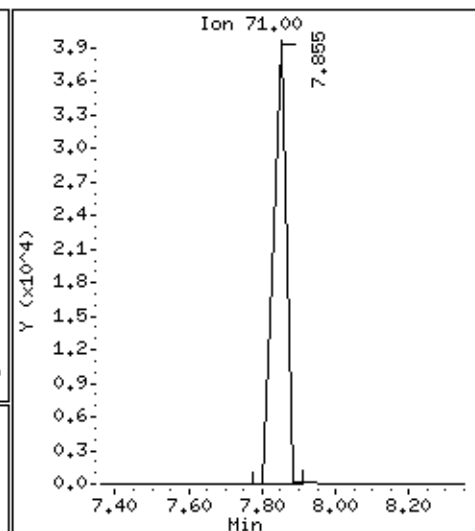
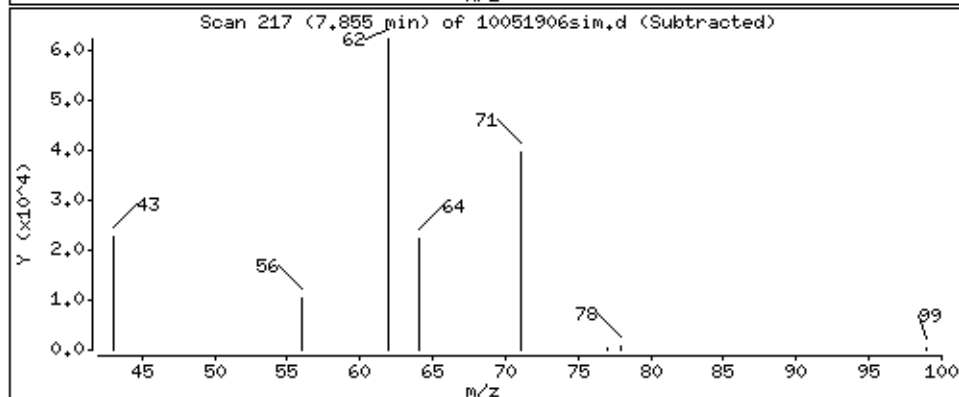
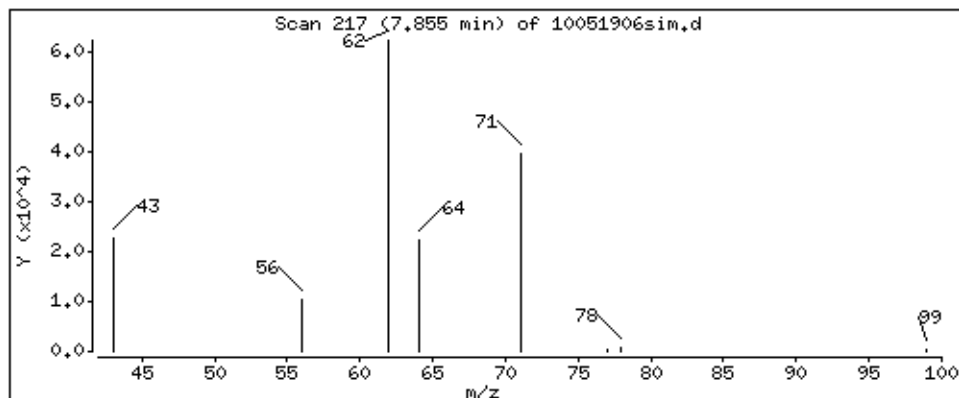
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

21 Heptane

Concentration: 5.36767 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

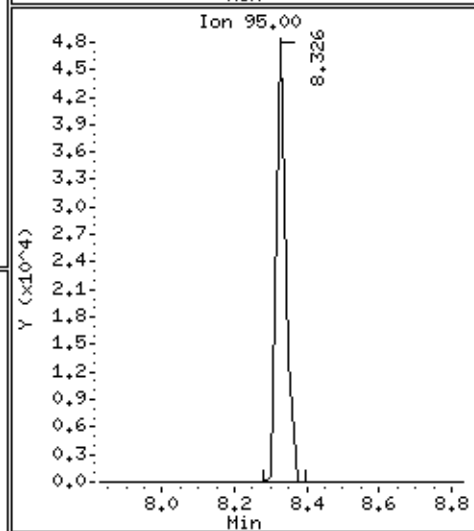
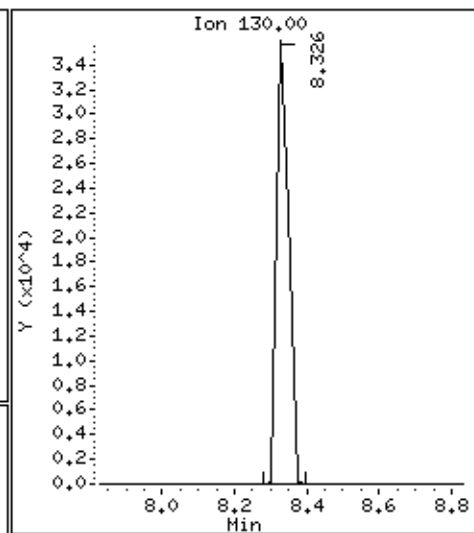
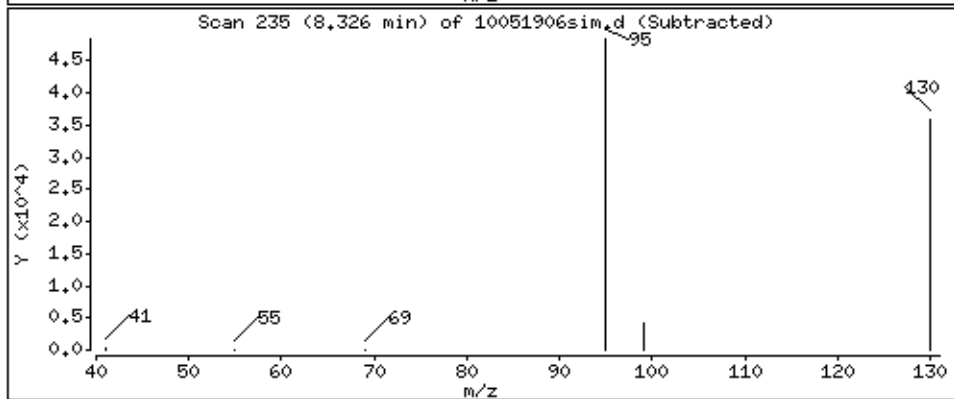
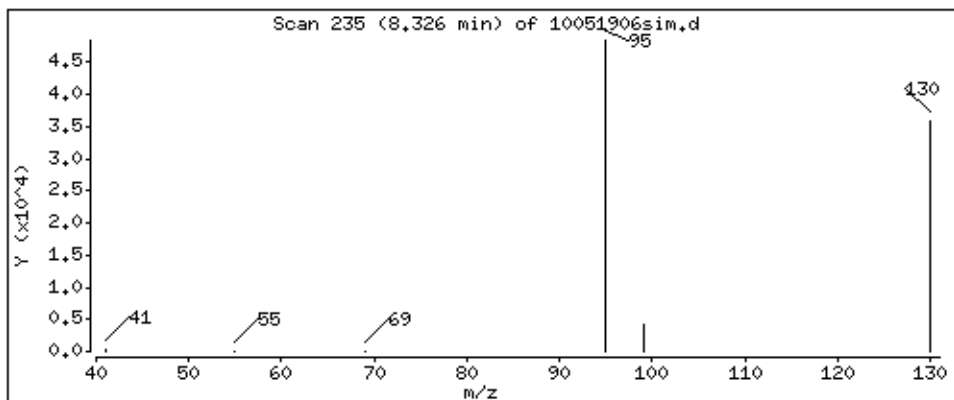
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 5.39266 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

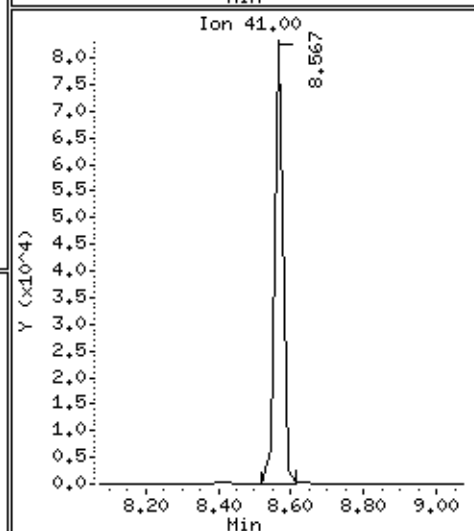
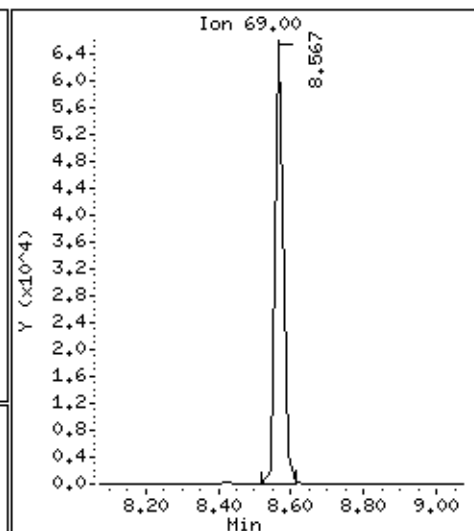
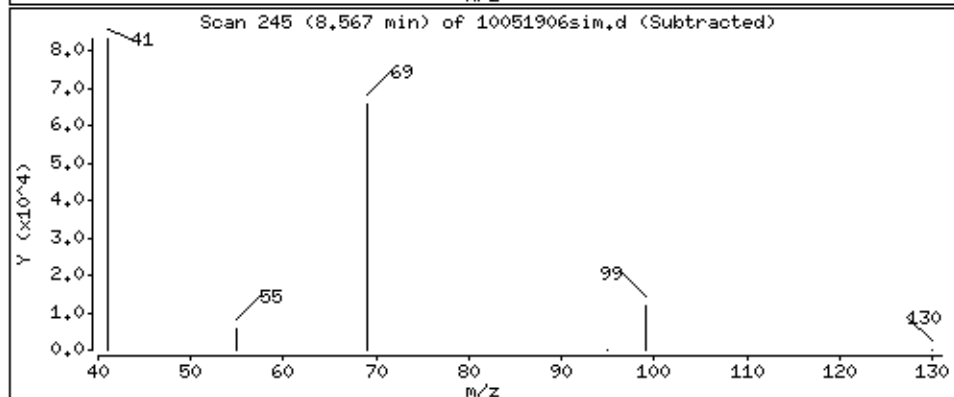
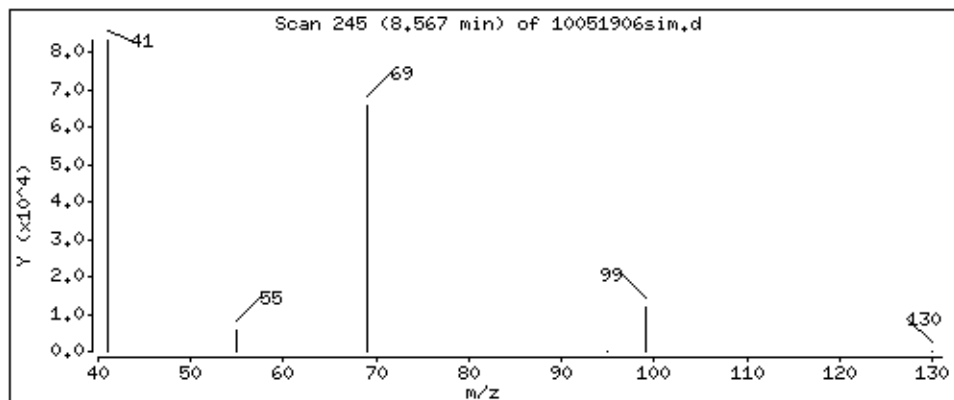
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

24 Methyl Methacrylate

Concentration: 5.45475 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

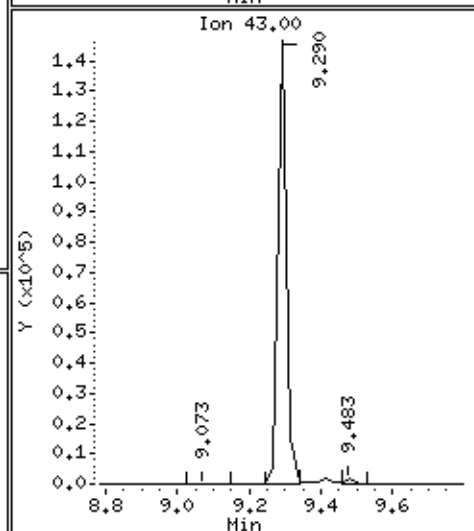
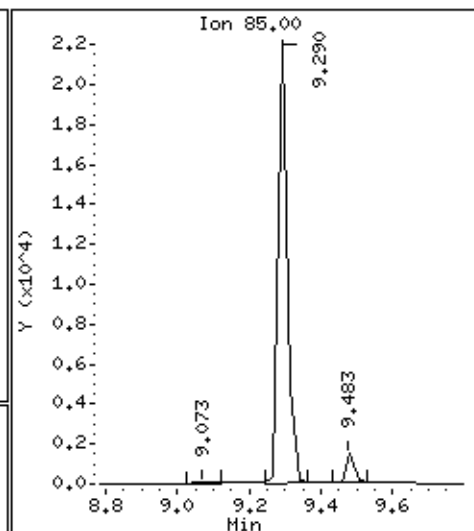
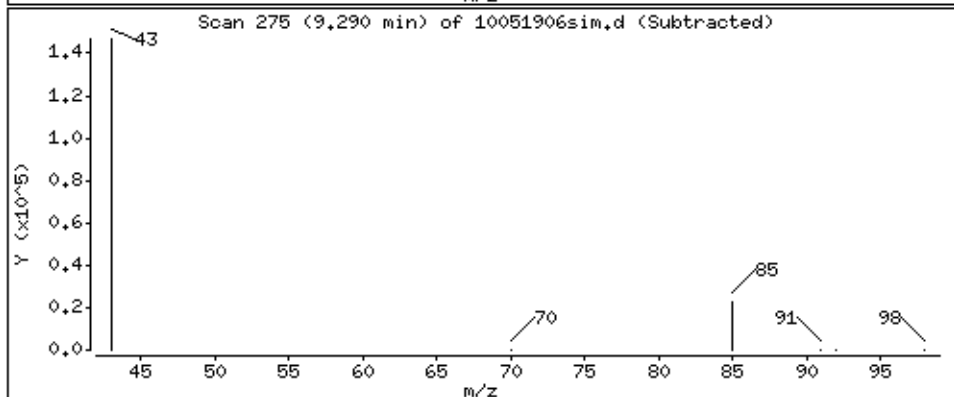
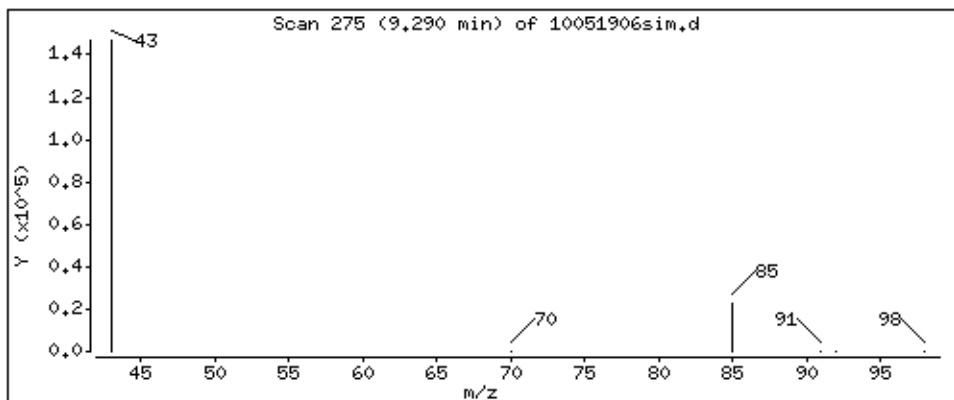
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

25 4-Methyl-2-pentanone

Concentration: 5.78345 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

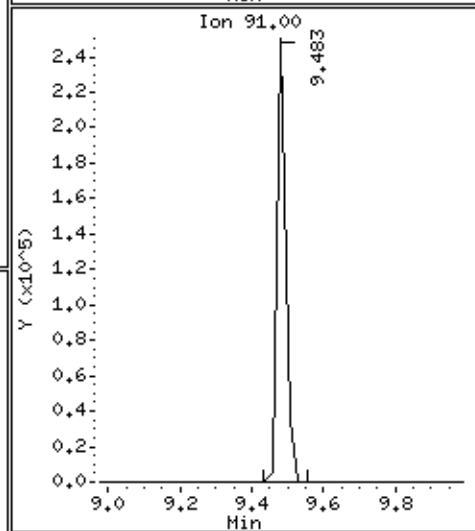
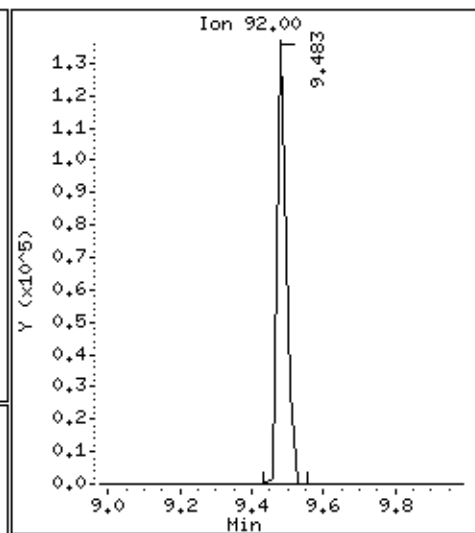
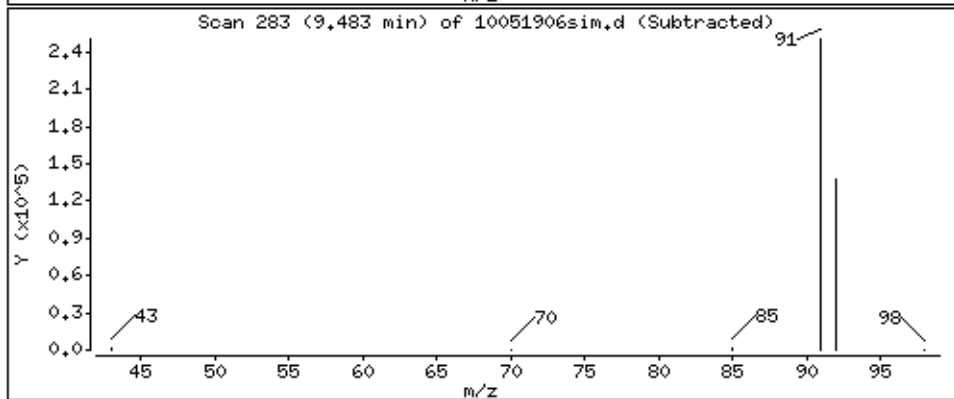
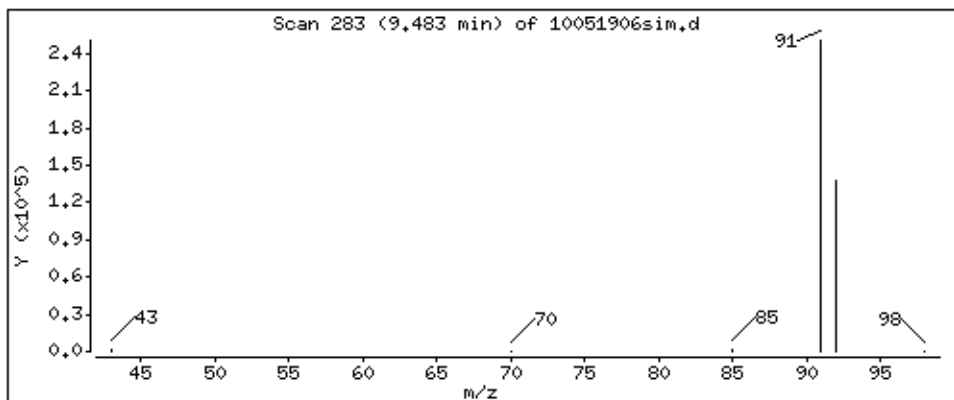
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 5.29676 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

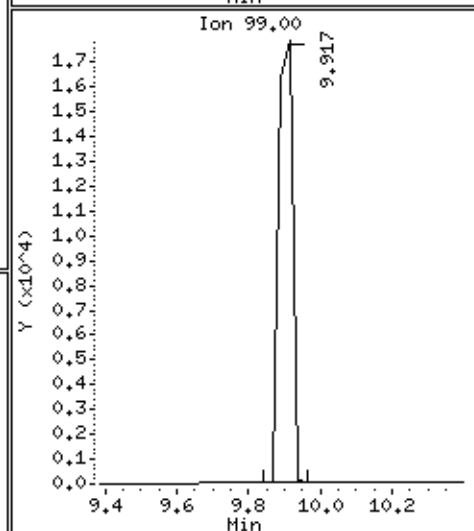
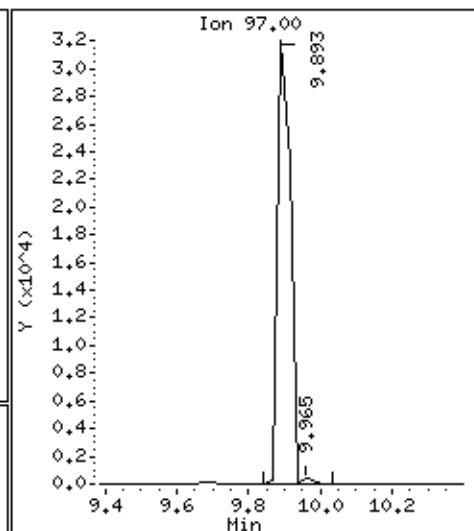
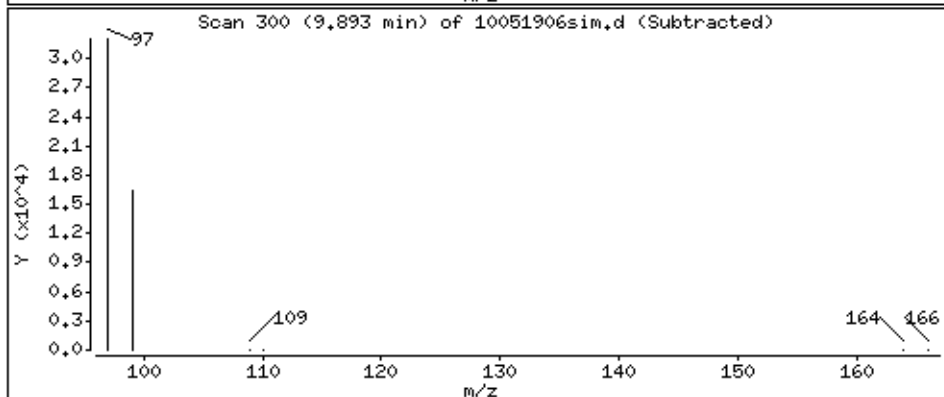
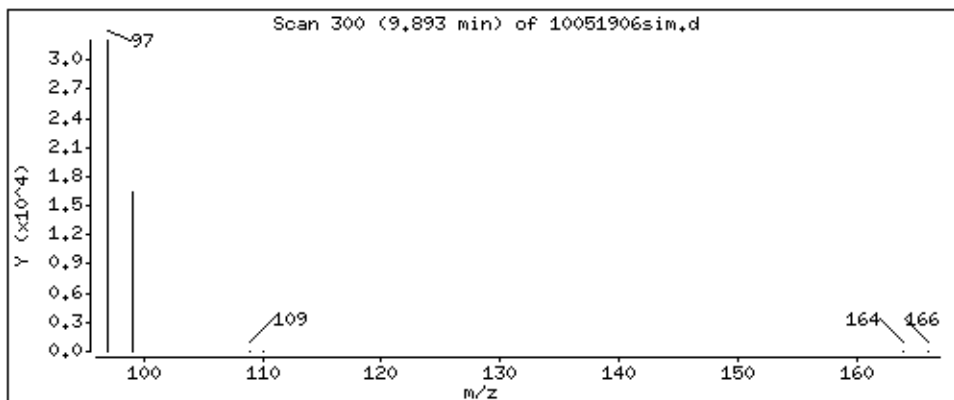
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

30 1,1,2-Trichloroethane

Concentration: 5.29753 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

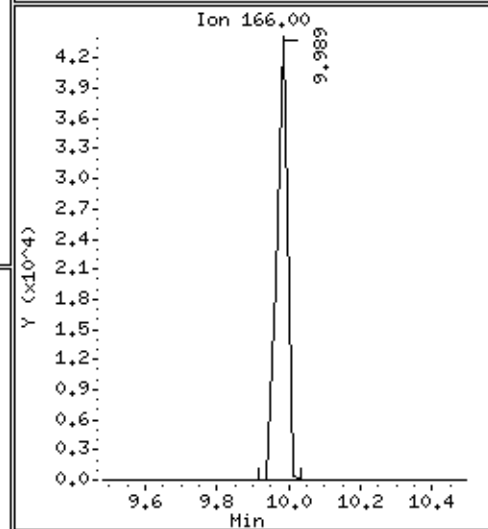
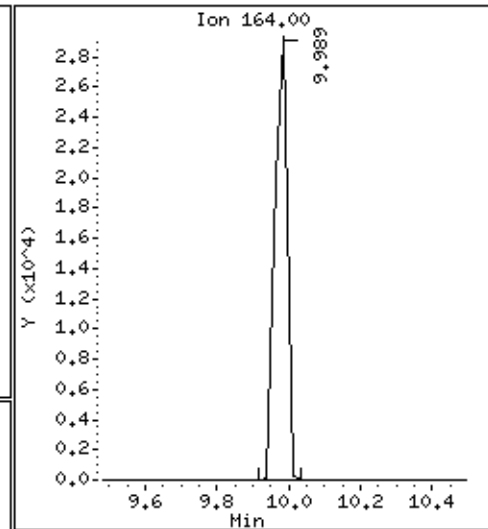
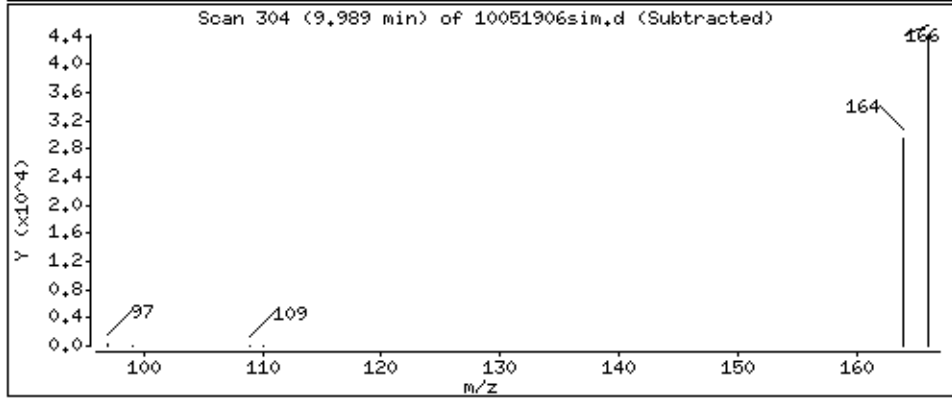
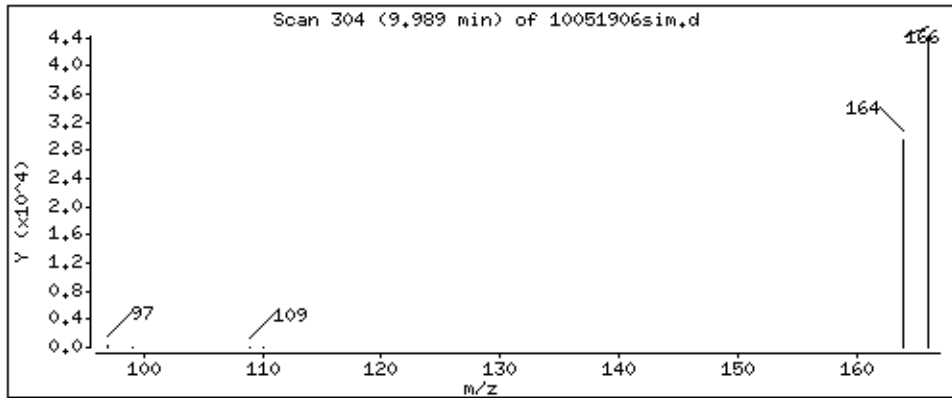
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

31 Tetrachloroethene

Concentration: 5.23904 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

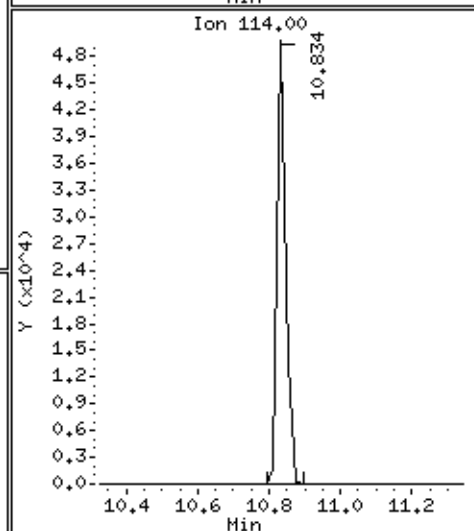
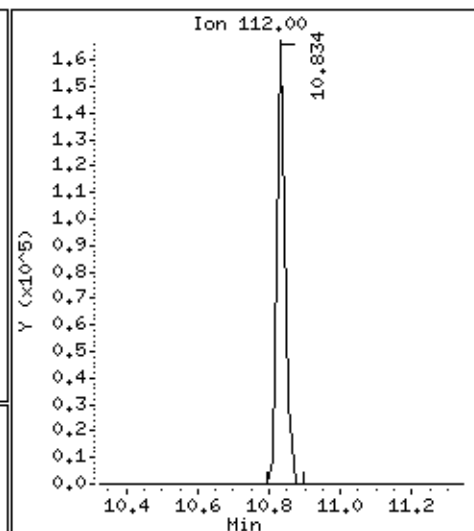
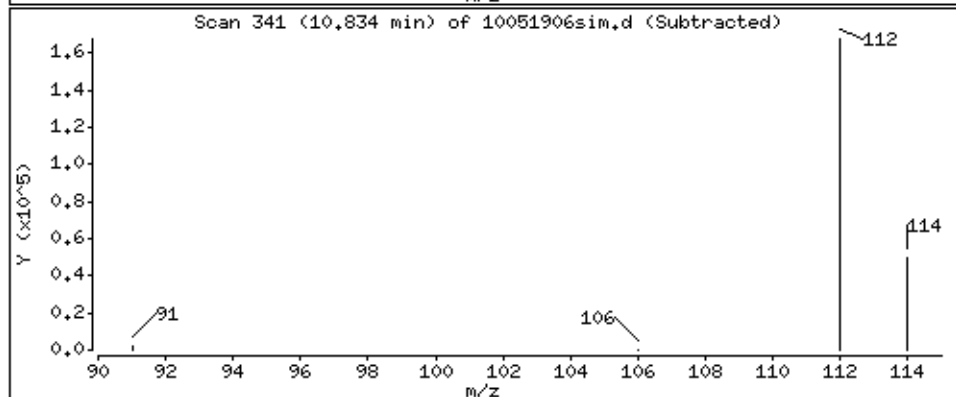
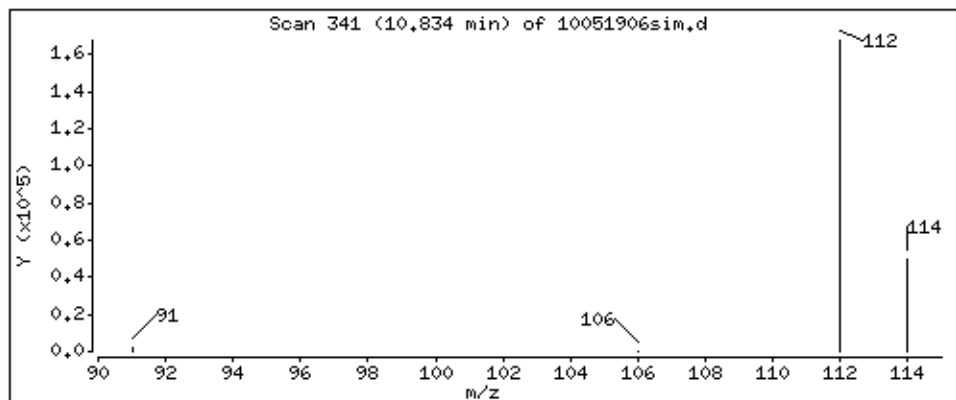
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

32 Chlorobenzene

Concentration: 5.01499 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

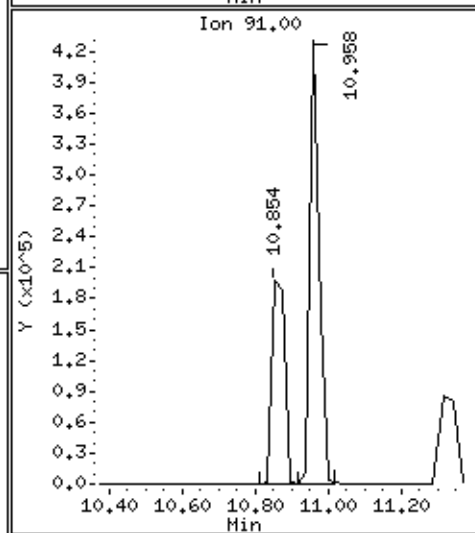
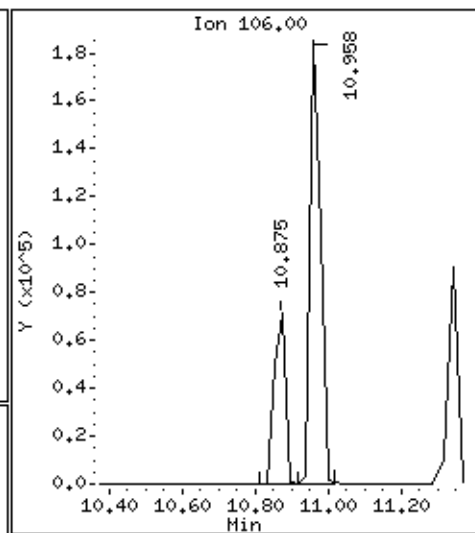
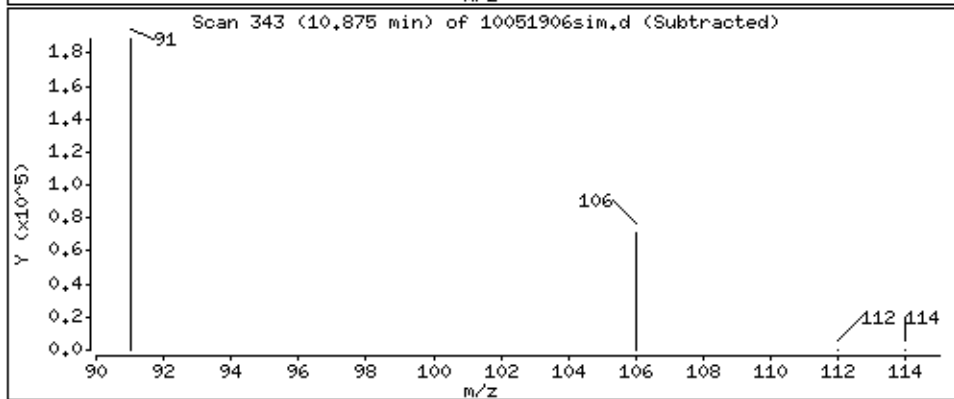
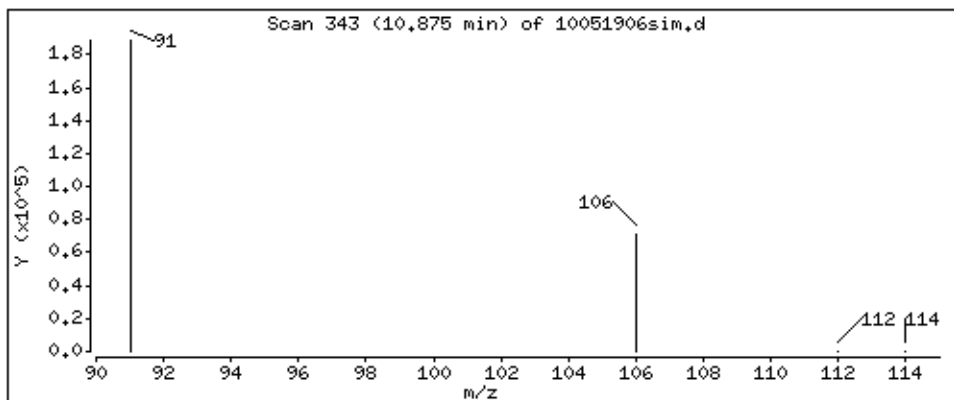
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 5.42438 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

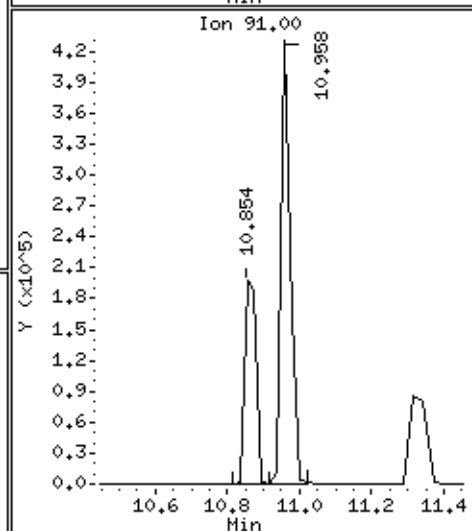
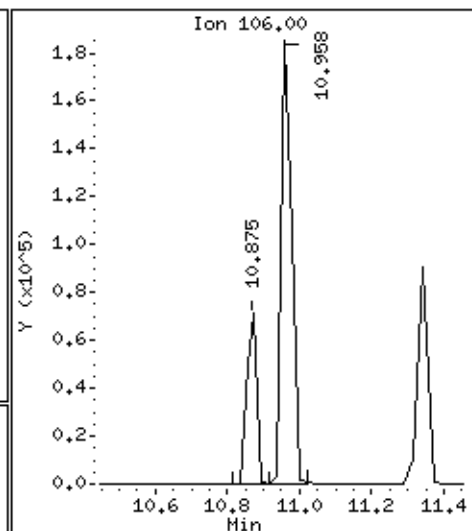
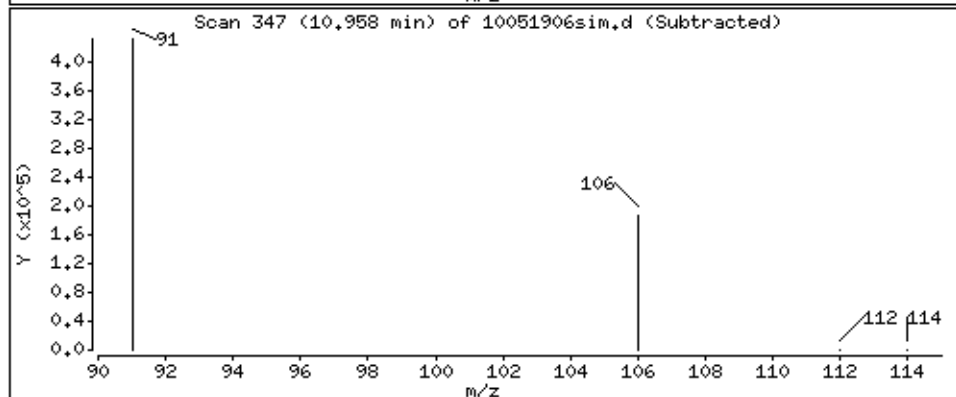
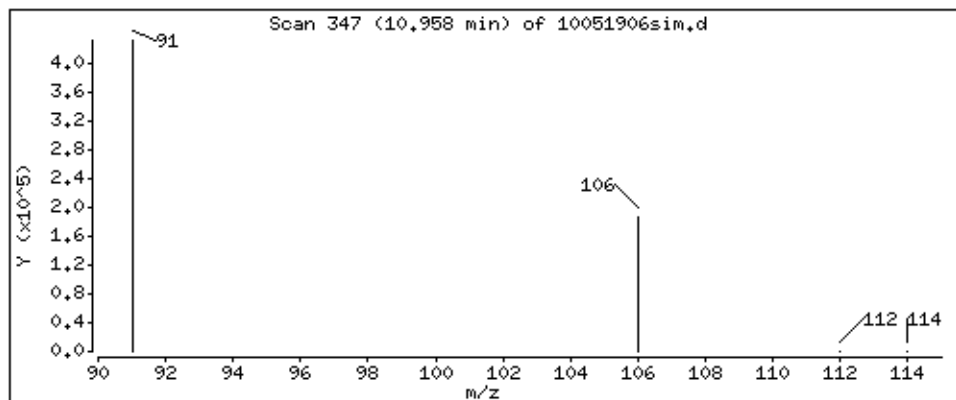
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 10.7550 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

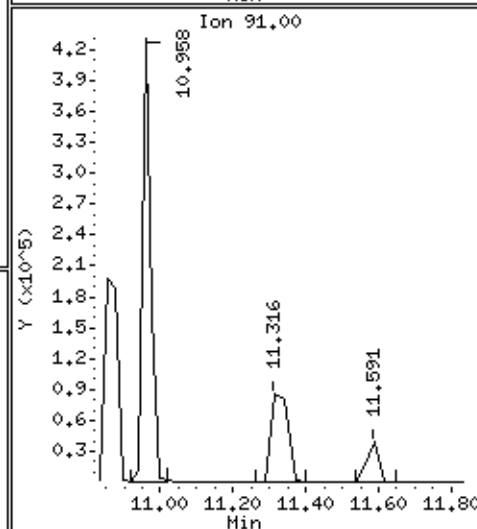
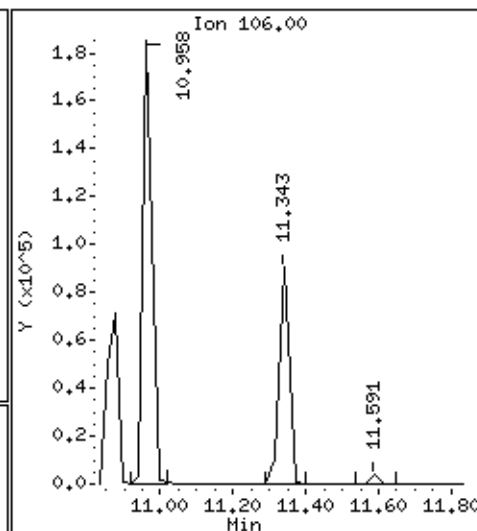
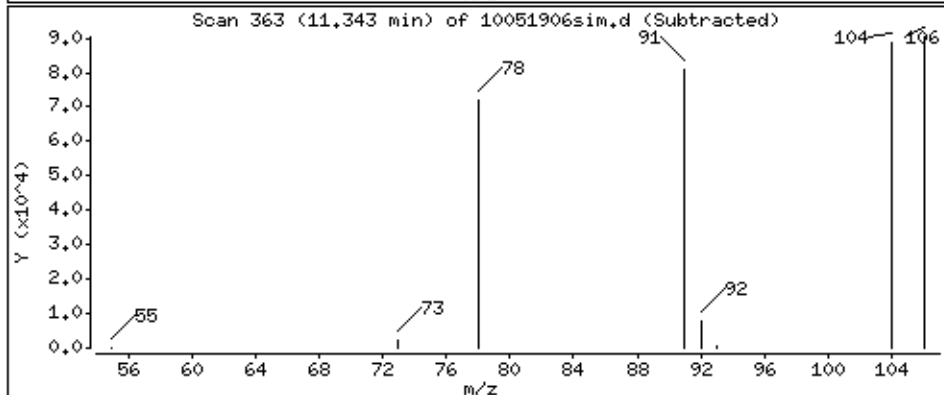
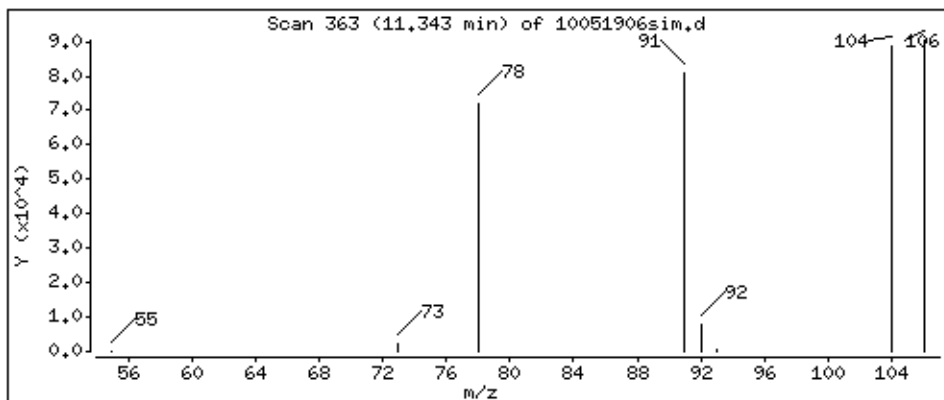
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 4.77739 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

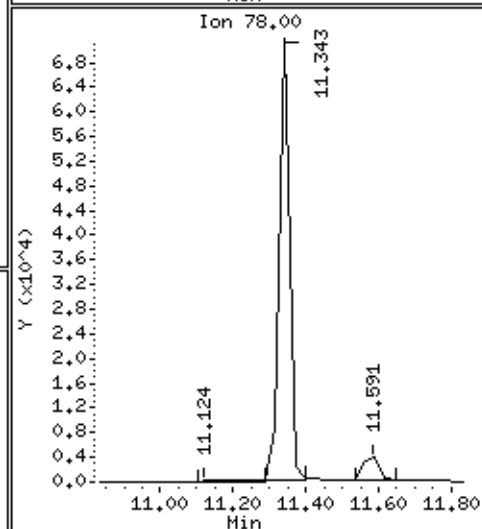
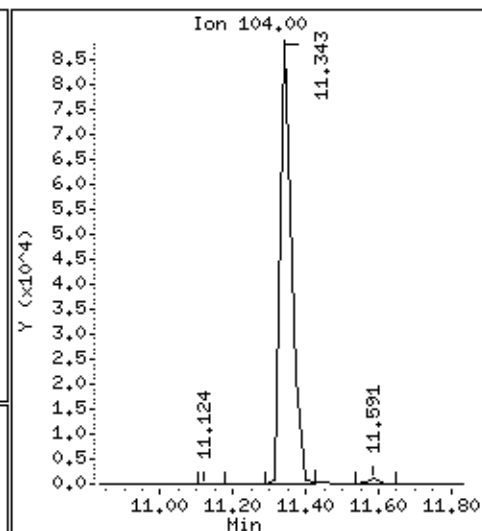
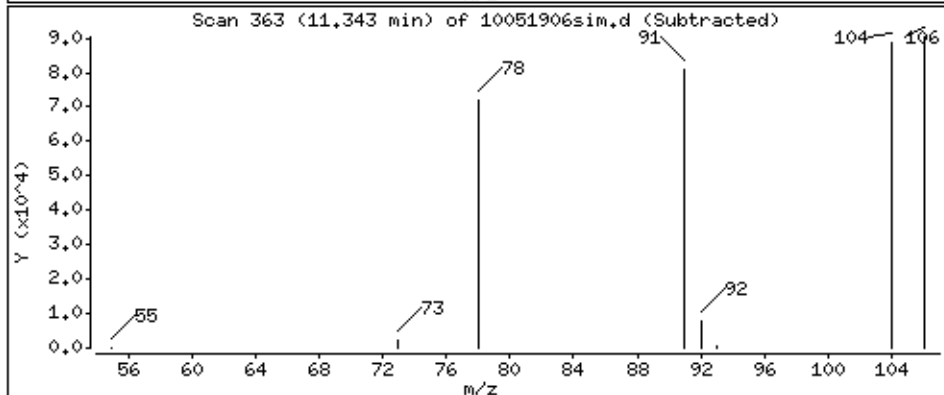
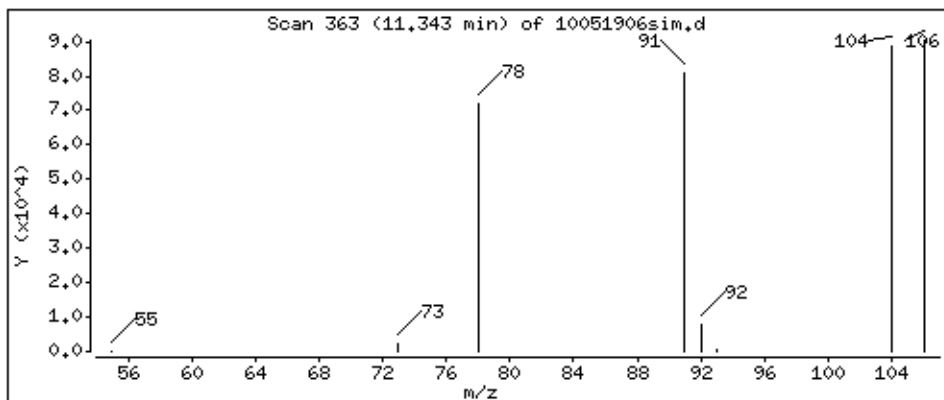
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

37 Styrene

Concentration: 4.30795 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

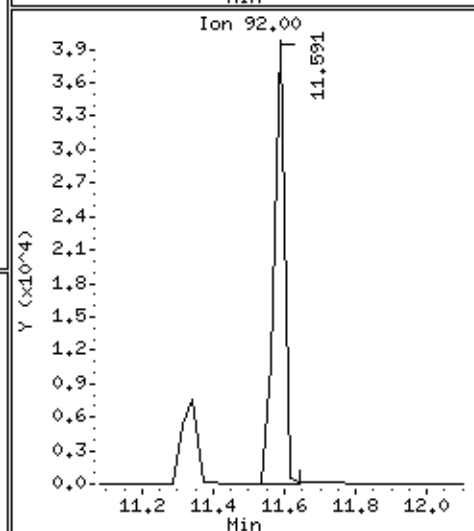
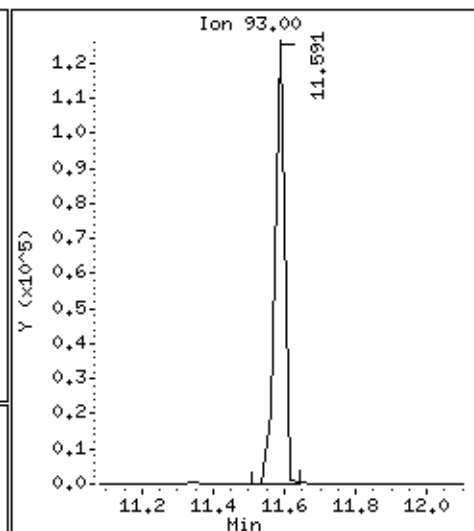
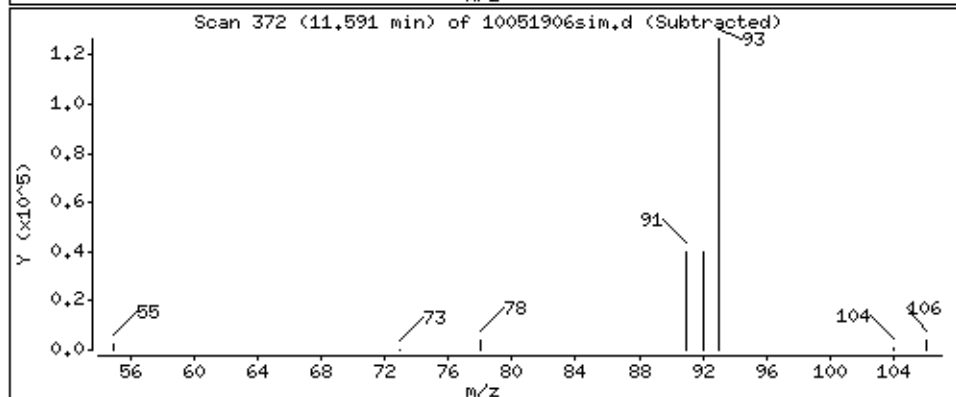
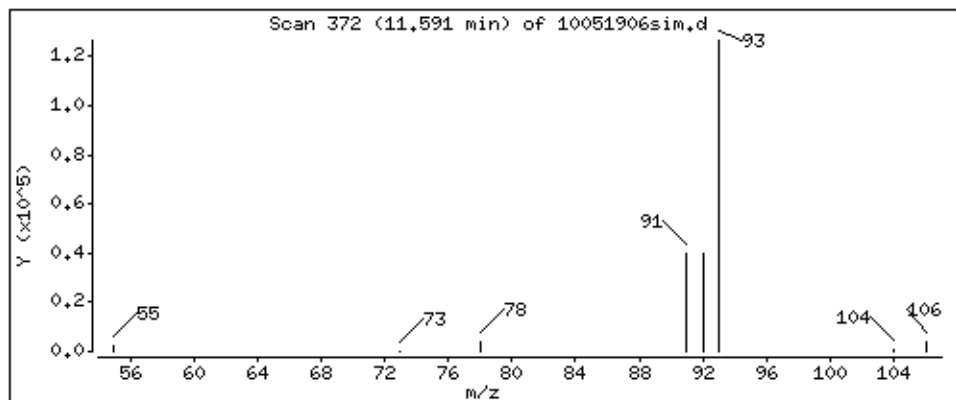
Operator: LZ

Column phase: DB-5,625

Column diameter: 0.25

38 a-Pinene

Concentration: 6.08952 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

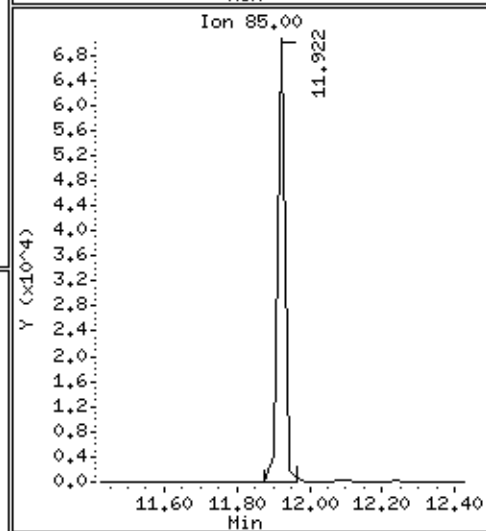
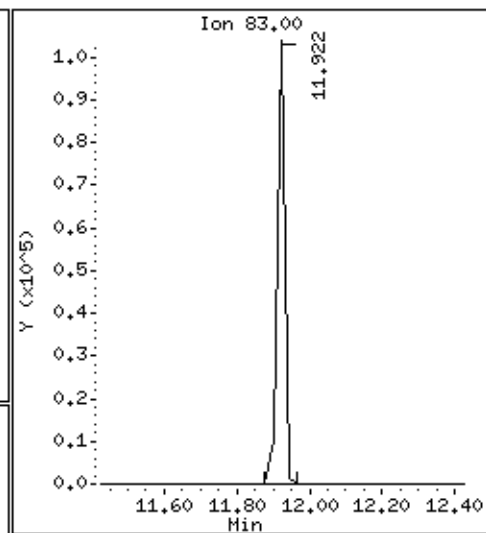
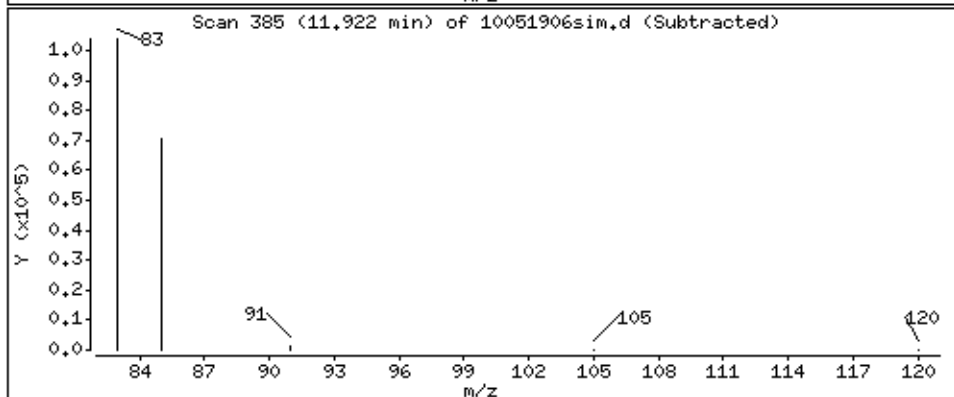
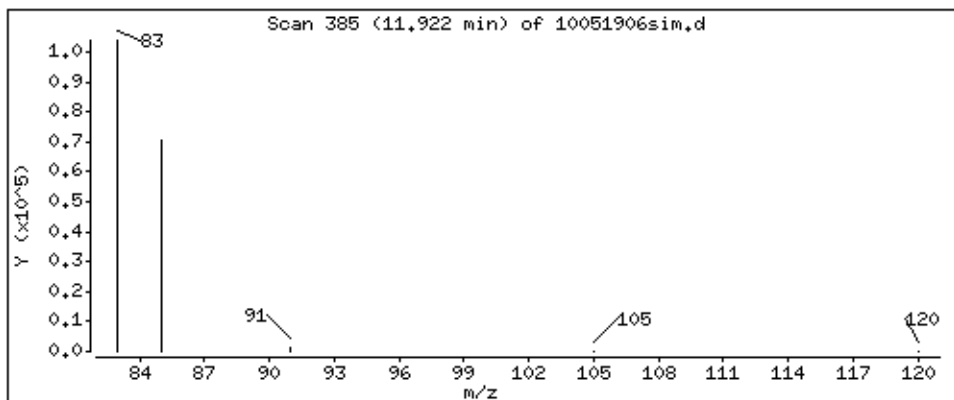
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

39 1,1,2,2-Tetrachloroethane-SPC

Concentration: 4.89852 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

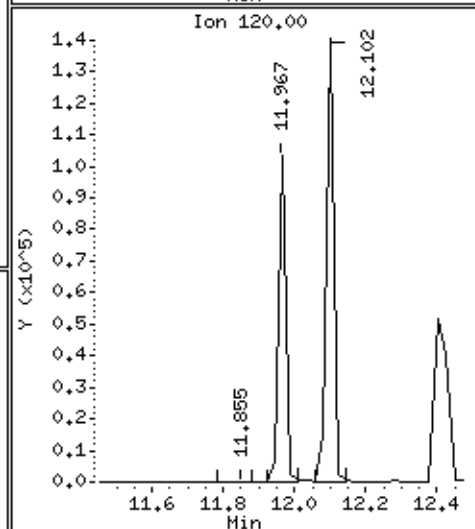
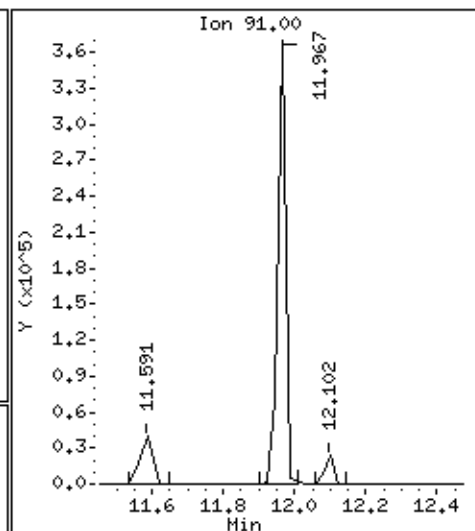
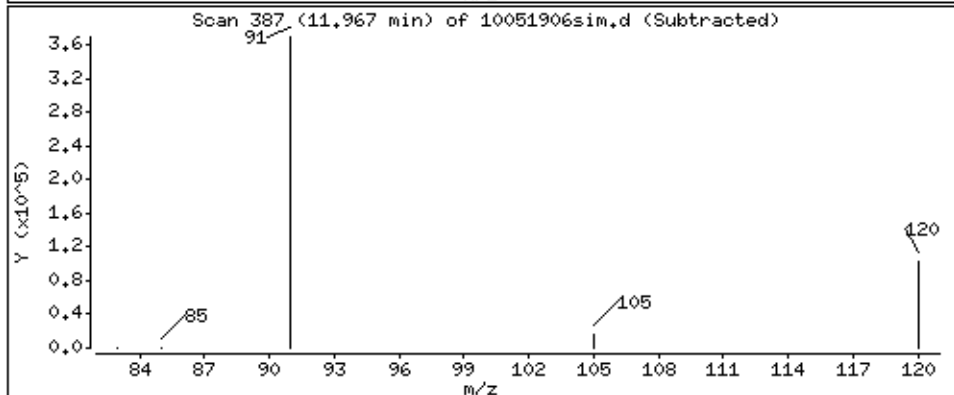
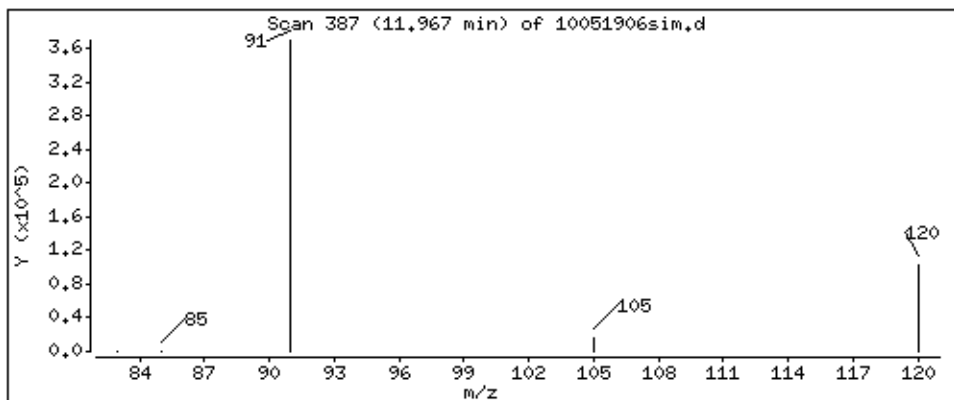
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

40 Propylbenzene

Concentration: 5.64192 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

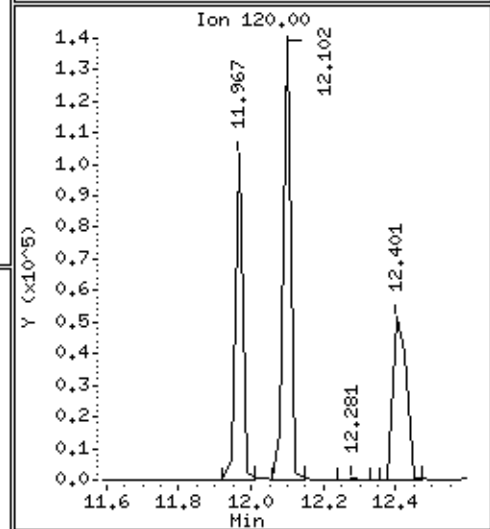
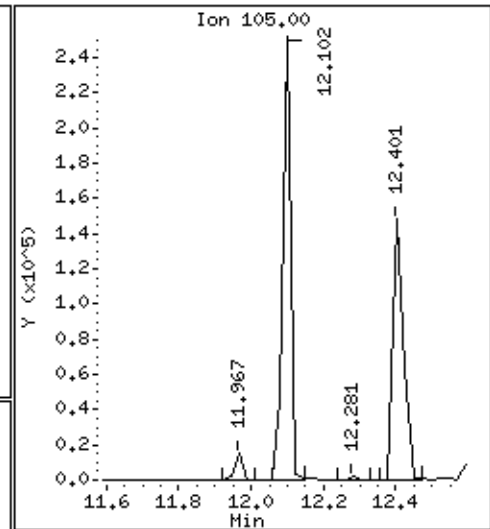
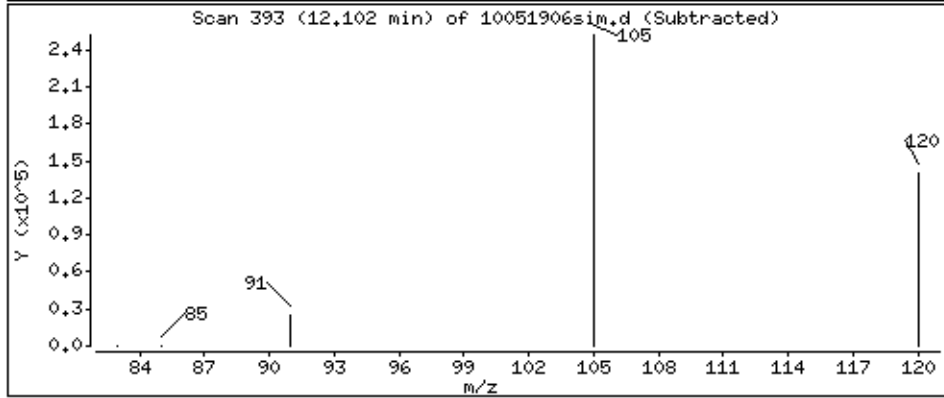
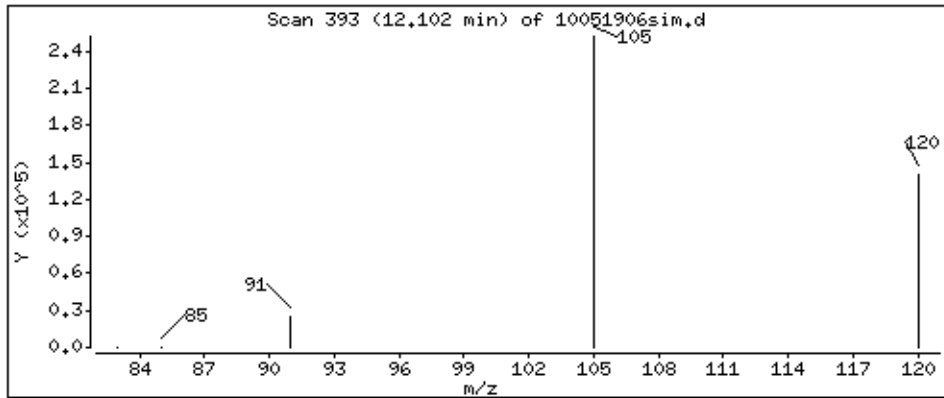
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 5.50128 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

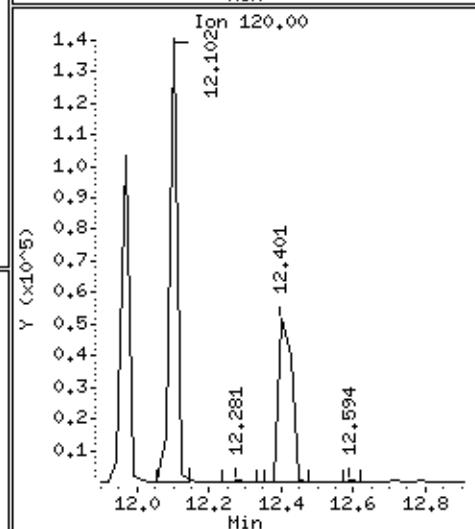
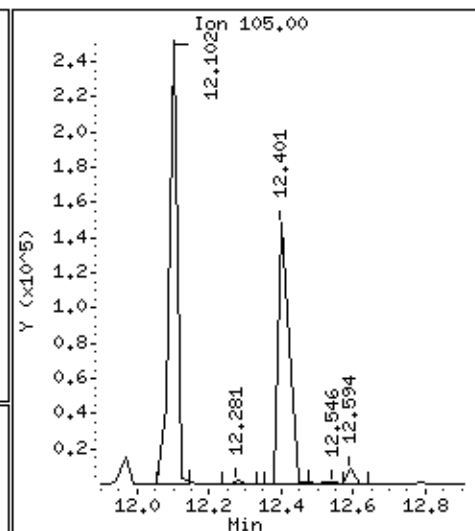
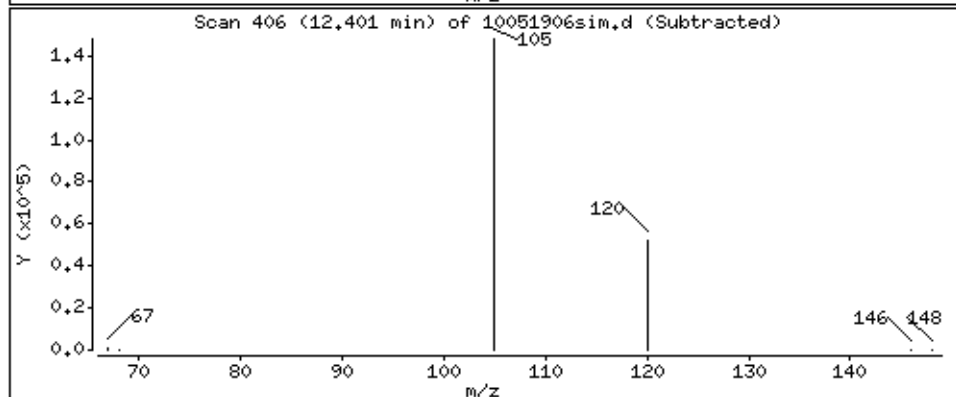
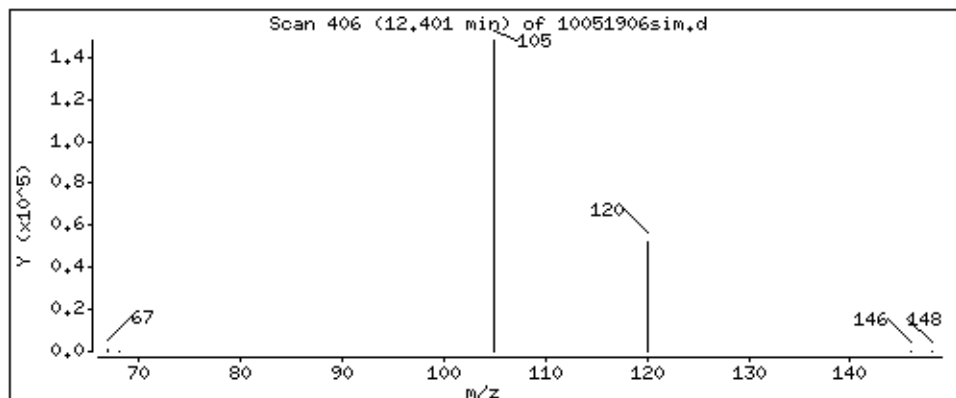
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 5.31339 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

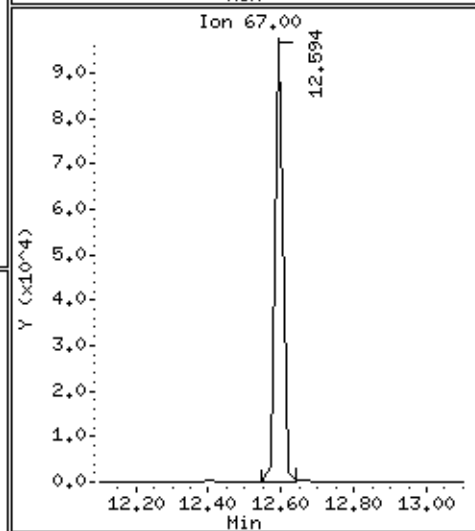
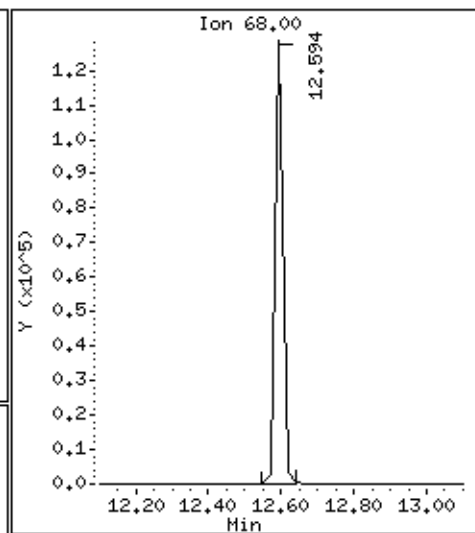
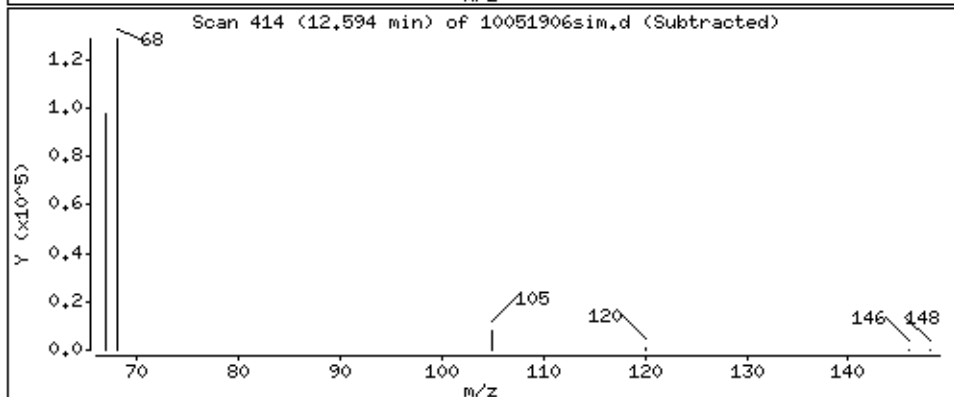
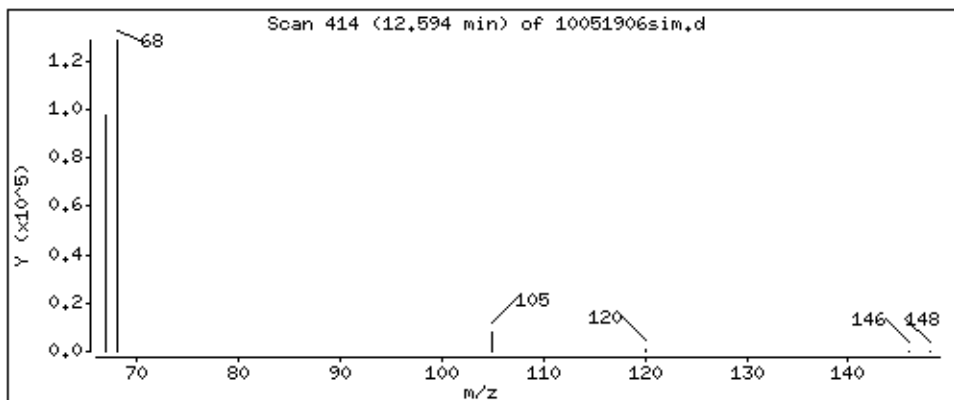
Operator: LZ

Column phase: DB-5,625

Column diameter: 0.25

43 R-(+)-Limonene

Concentration: 5.84456 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

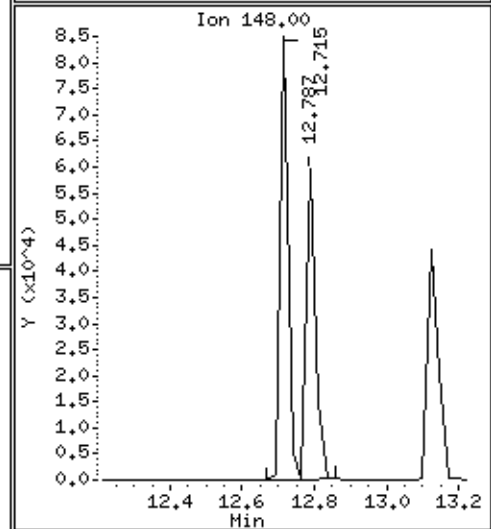
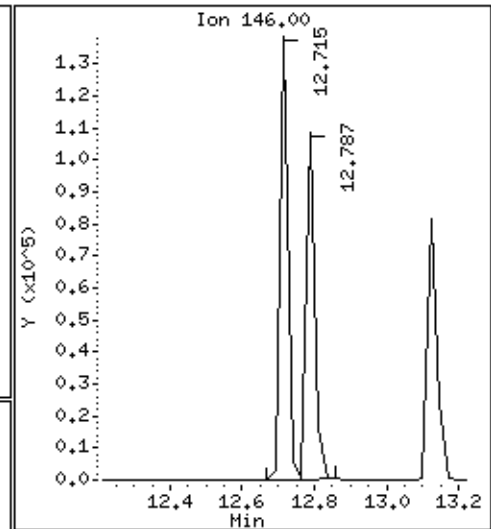
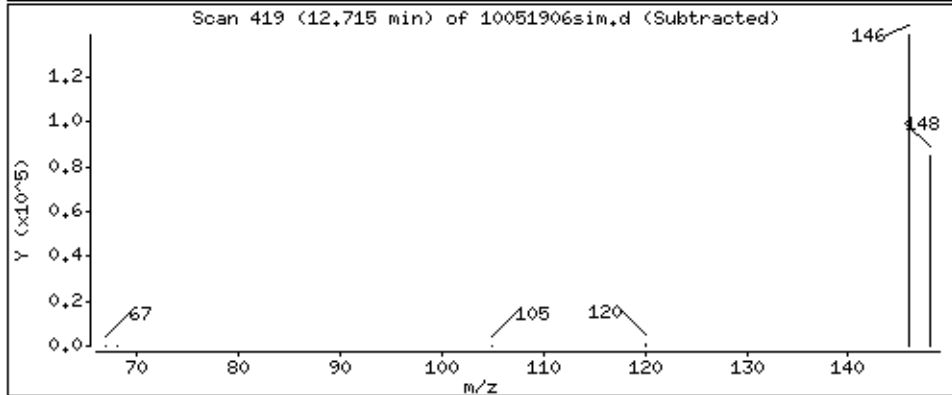
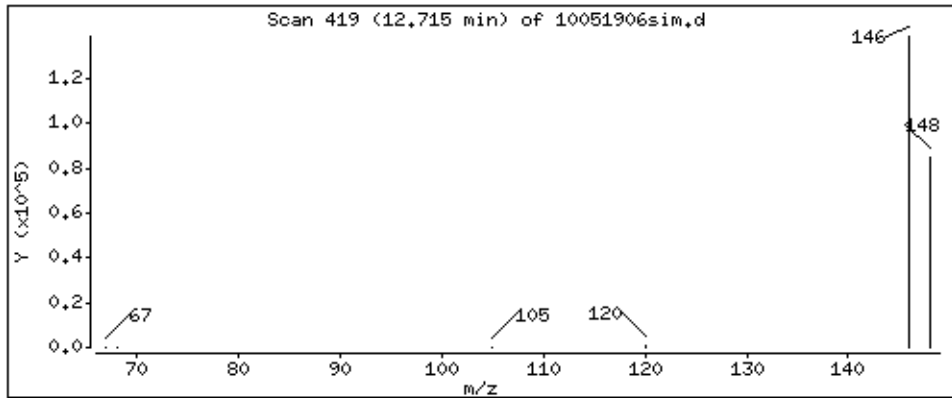
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

44 1,3-Dichlorobenzene

Concentration: 4.37152 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

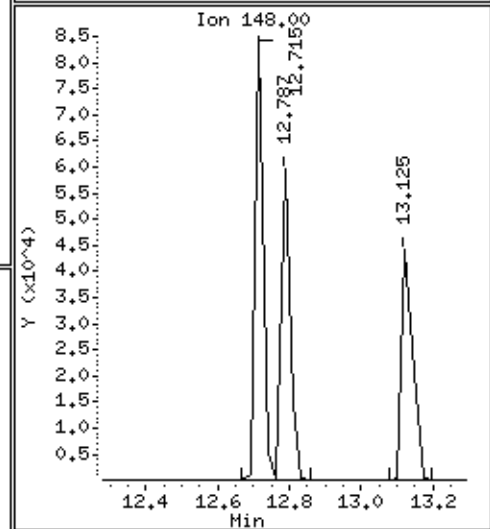
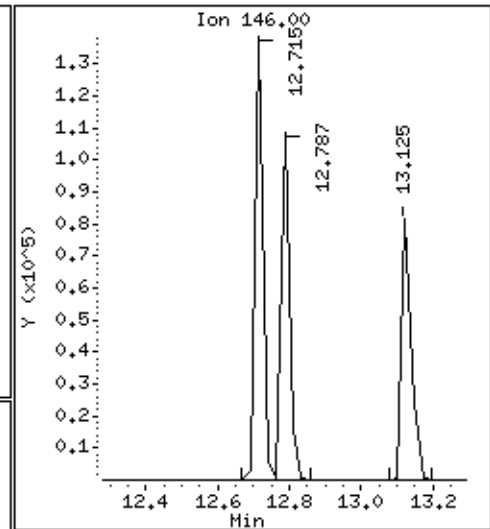
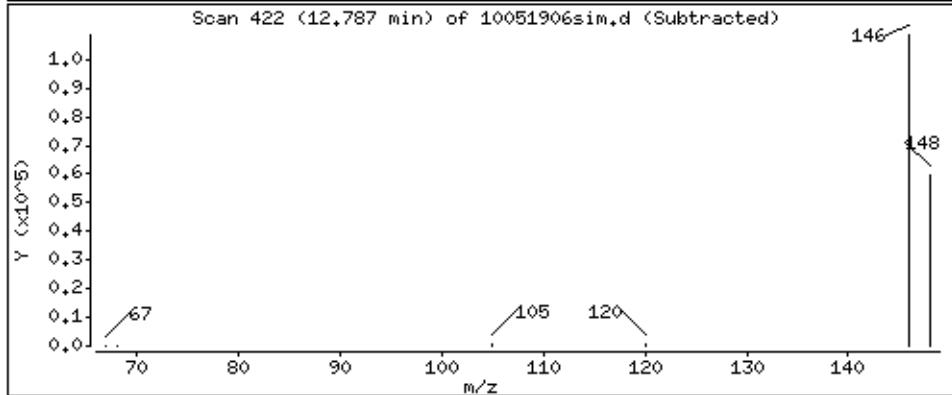
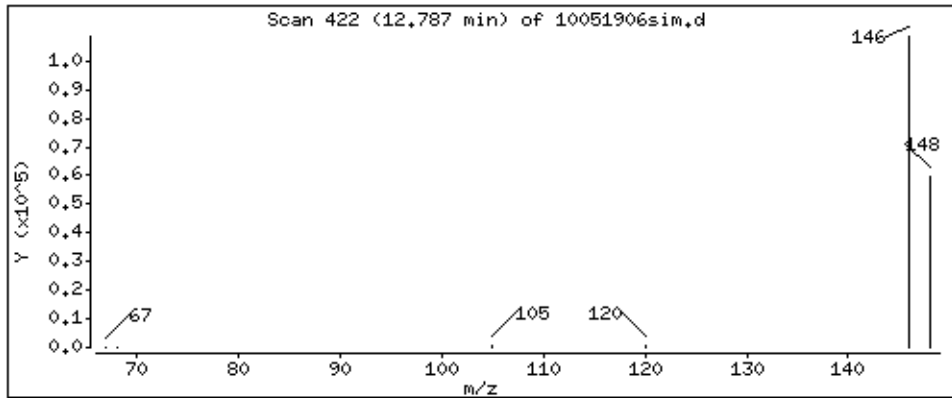
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

45 1,4-Dichlorobenzene

Concentration: 4.42591 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

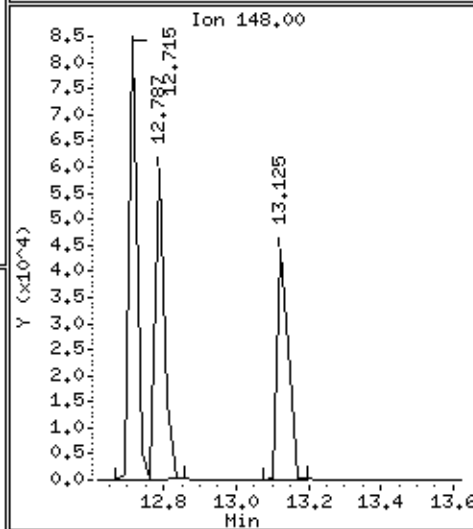
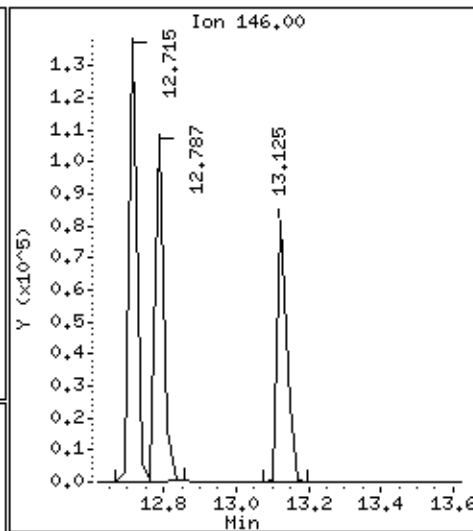
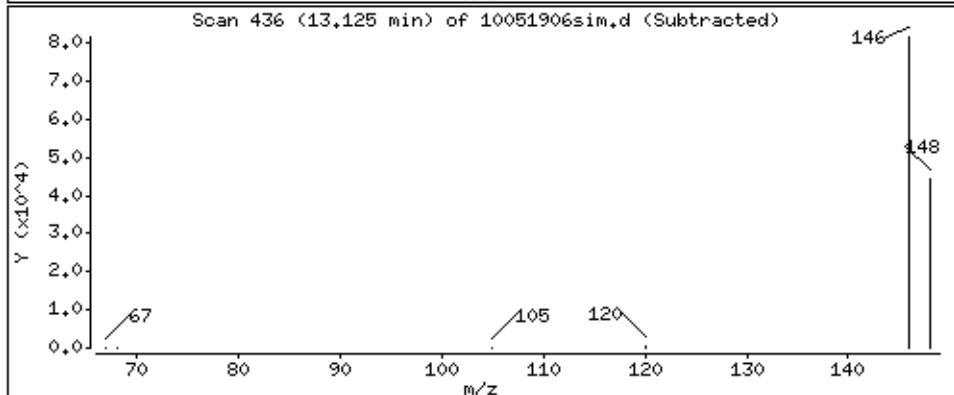
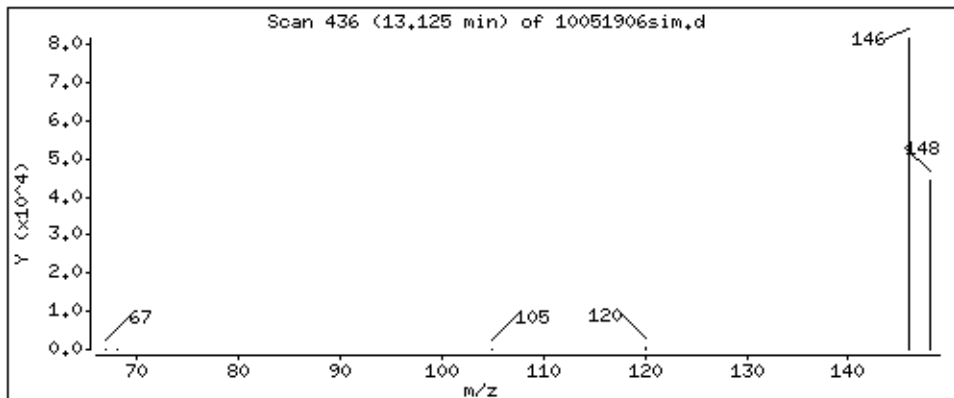
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

46 1,2-Dichlorobenzene

Concentration: 4.14921 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

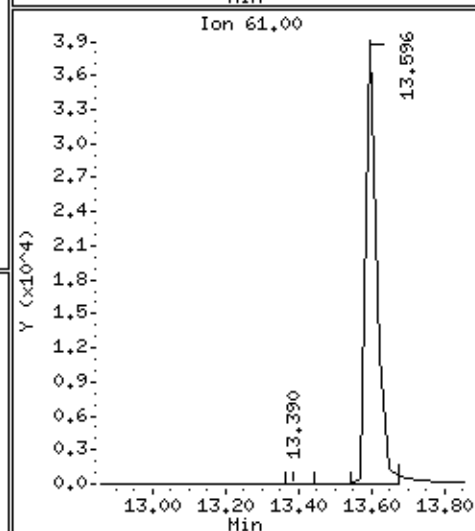
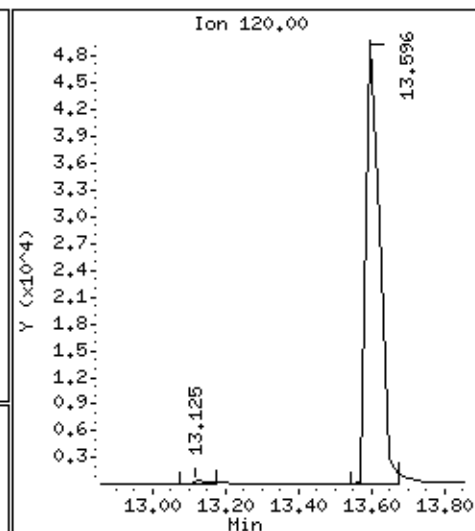
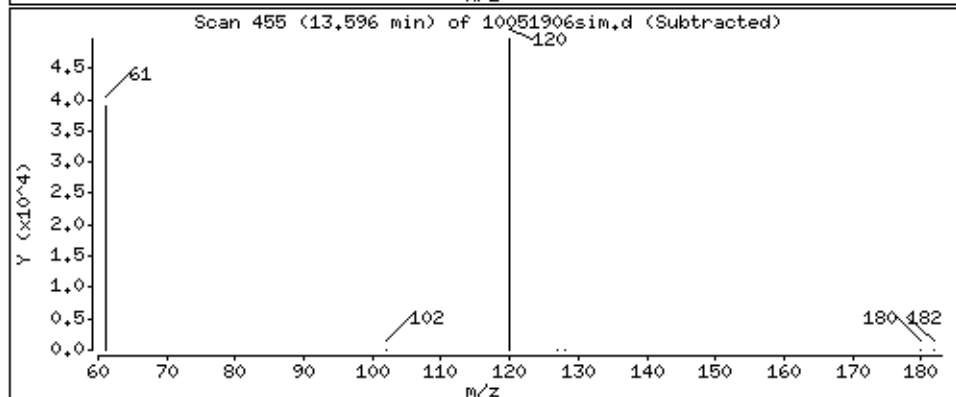
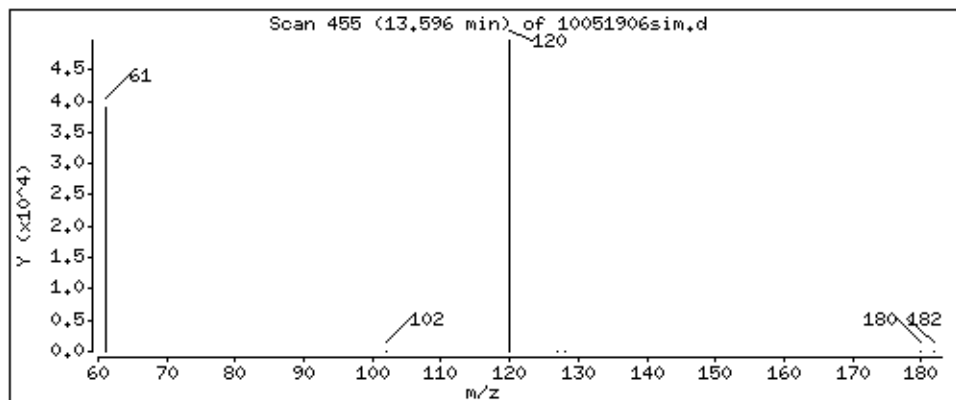
Volume Injected (uL): 1.0

Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

47 1,4-Dithiane



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

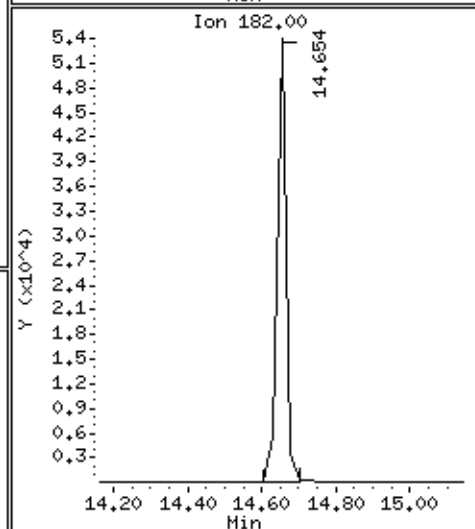
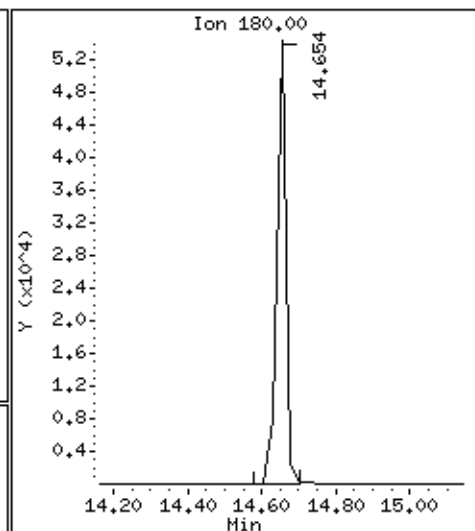
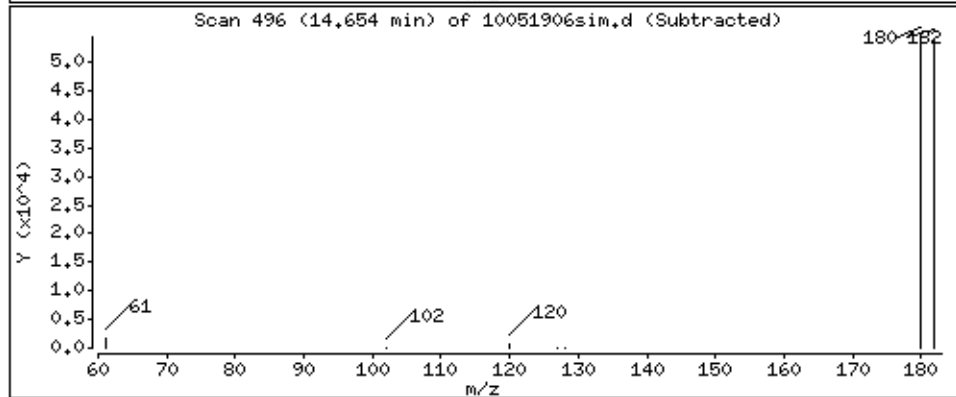
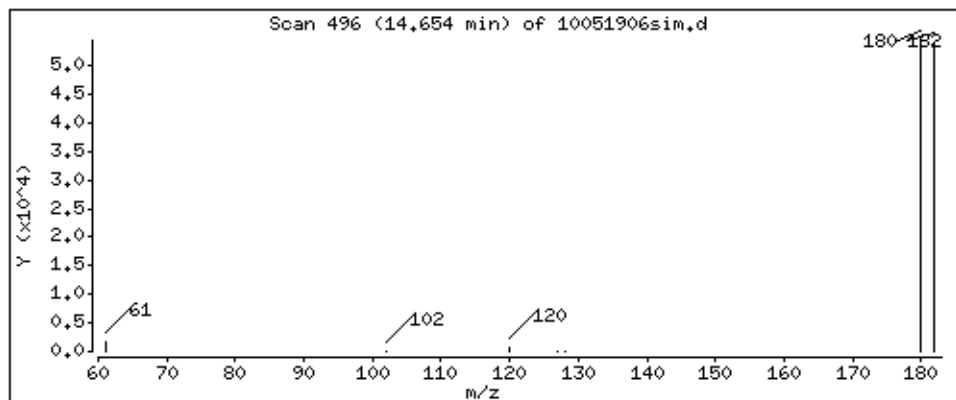
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

48 1,2,4-Trichlorobenzene

Concentration: 3.47994 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

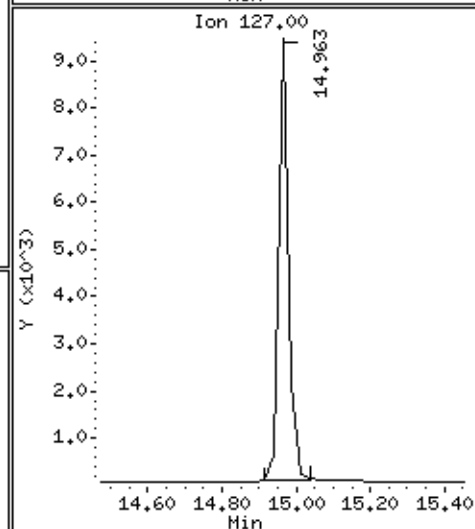
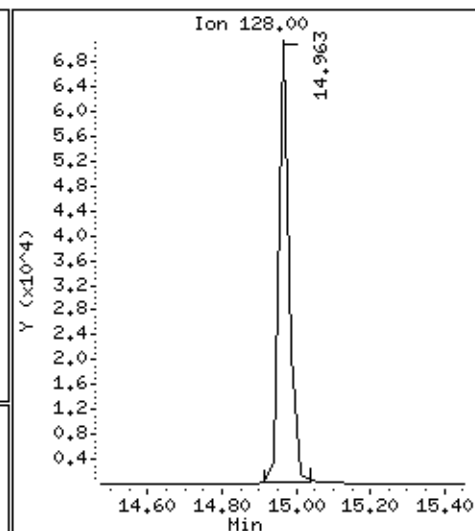
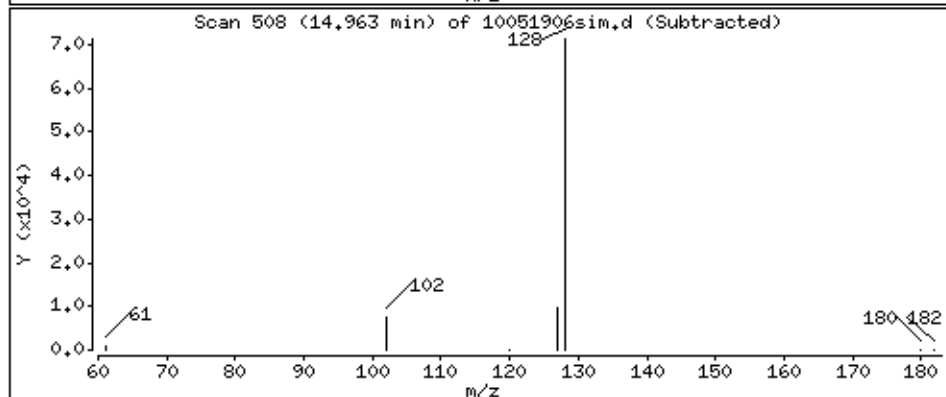
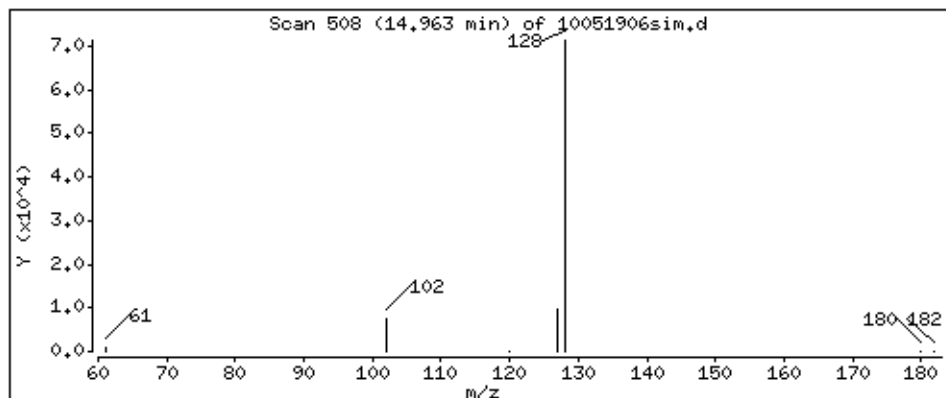
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

49 Naphthalene

Concentration: 1.80813 ug



Date : 19-MAY-2011 12:17

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1105351;LCS

Volume Injected (uL): 1.0

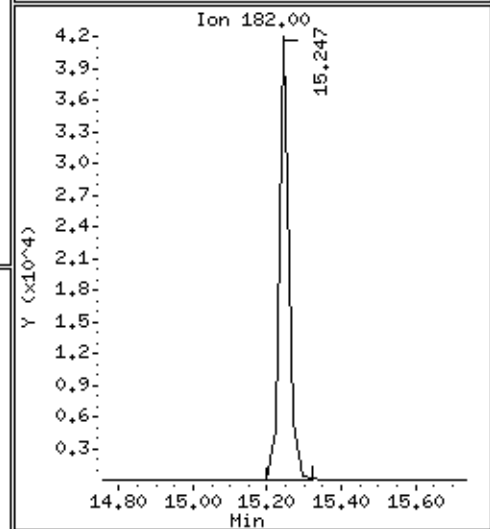
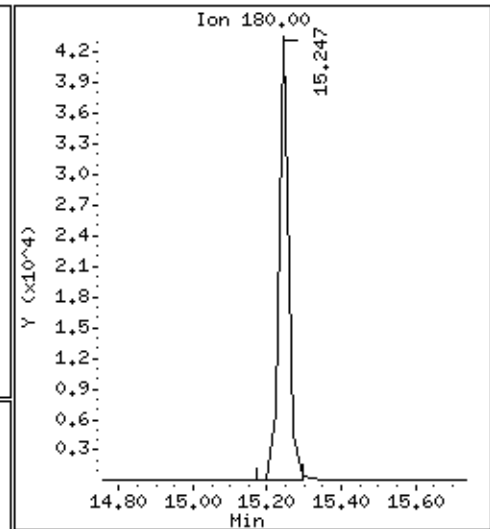
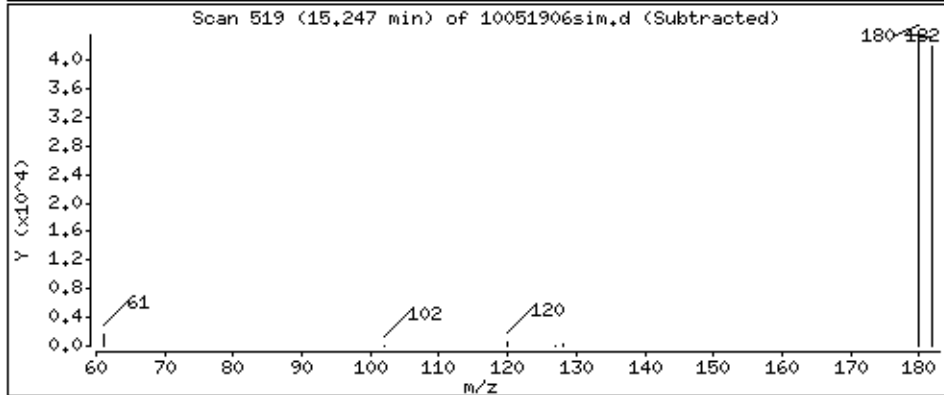
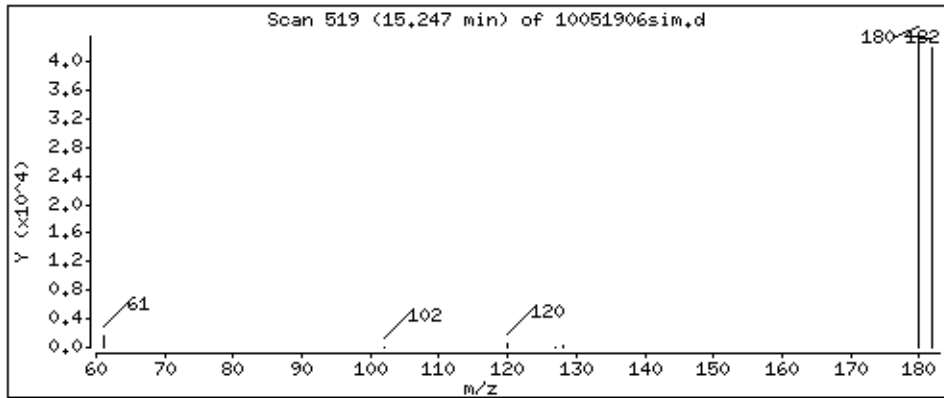
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

50 1,2,3-Trichlorobenzene

Concentration: 2.89813 ug



Client Sample ID: LCSD

Lab ID#: 1105031A-16AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	10051907sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/19/11 12:39 PM
		Date of Extraction: 5/19/11

Compound	%Recovery
Chloromethane	220 Q
Vinyl Chloride	77
1,1-Dichloroethene	98
Acetone	77
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	104
Hexane	92
1,1-Dichloroethane	98
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	101
Chloroform	112
Cyclohexane	116
1,1,1-Trichloroethane	99
Carbon Tetrachloride	111
Benzene	87
1,2-Dichloroethane	106
Heptane	111
Trichloroethene	108
4-Methyl-2-pentanone	114
Toluene	104
1,1,2-Trichloroethane	106
Tetrachloroethene	105
Chlorobenzene	99
Ethyl Benzene	108
m,p-Xylene	107
o-Xylene	94
Styrene	86
1,1,2,2-Tetrachloroethane	96
Propylbenzene	112
1,3,5-Trimethylbenzene	110
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	85
1,4-Dichlorobenzene	86
1,2-Dichlorobenzene	80
Naphthalene	31

Q = Exceeds Quality Control limits.

Container Type: WMS-SE

Client Sample ID: LCSD

Lab ID#: 1105031A-16AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name: 10051907sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 5/19/11 12:39 PM
Date of Extraction: 5/19/11

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2011
Sample Matrix: GAS	Fraction: SV
Lab Smp Id: 1105031A	Client Smp ID: LCSD
Level: MED	Operator: LZ
Data Type: MS DATA	SampleType: LCSD
SpikeList File: LCS.spk	Quant Type: ISTD
Sublist File: all-2cve.sub	
Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m	
Misc Info: ,NOTICS	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
1 Chloromethane	5.00000	11.0050	220.10*	50-140
2 Vinyl Chloride	5.00000	3.84842	76.97	50-140
3 Ethanol	5.00000	2.27578	45.52*	50-130
4 1,1-Dichloroethene	5.00000	4.87776	97.56	70-130
5 Acetone	5.00000	3.84946	76.99	70-130
6 2-Propanol	5.00000	8.41139	168.23*	50-150
7 MTBE	5.00000	5.22099	104.42	70-130
8 trans-1,2-Dichloro	5.00000	5.22623	104.52	70-130
9 Hexane	5.00000	4.59587	91.92	70-130
10 Halothane	5.00000	5.12554	102.51	70-130
11 1,1-Dichloroethane	5.00000	4.88813	97.76	70-130
12 Ethyl Acetate	5.00000	5.20792	104.16	70-130
13 2-Butanone	5.00000	4.81599	96.32	70-130
14 cis-1,2-Dichloroet	5.00000	5.05722	101.14	70-130
15 Chloroform-CCC	5.00000	5.58572	111.71	70-130
16 Cyclohexane	5.00000	5.77948	115.59	70-130
17 1,1,1-Trichloroeth	5.00000	4.95783	99.16	70-130
18 Carbon Tetrachlori	5.00000	5.53286	110.66	70-130
19 Benzene	5.00000	4.34510	86.90	70-130
20 1,2-Dichloroethane	5.00000	5.32632	106.53	70-130
21 Heptane	5.00000	5.56046	111.21	70-130
22 Trichloroethene	5.00000	5.39057	107.81	70-130
24 Methyl Methacrylat	5.00000	5.48622	109.72	70-130
25 4-Methyl-2-pentano	5.00000	5.71596	114.32	70-130
28 Toluene-CCC	5.00000	5.21258	104.25	70-130
30 1,1,2-Trichloroeth	5.00000	5.31262	106.25	70-130
31 Tetrachloroethene	5.00000	5.25323	105.06	70-130
32 Chlorobenzene	5.00000	4.94251	98.85	70-130
33 Ethylbenzene-CCC	5.00000	5.41352	108.27	70-130
34 m,p-Xylene	10.0000	10.6789	106.79	70-130
36 o-Xylene	5.00000	4.72527	94.51	70-130
37 Styrene	5.00000	4.30404	86.08	70-130
38 a-Pinene	5.00000	6.06200	121.24	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39 1,1,2,2-Tetrachlor	5.00000	4.82391	96.48	70-130
40 Propylbenzene	5.00000	5.61931	112.39	70-130
41 1,3,5-Trimethylben	5.00000	5.51539	110.31	70-130
42 1,2,4-Trimethylben	5.00000	5.30268	106.05	70-130
43 R-(+)-Limonene	5.00000	5.76673	115.33	70-130
44 1,3-Dichlorobenzen	5.00000	4.25483	85.10	50-120
45 1,4-Dichlorobenzen	5.00000	4.29043	85.81	50-120
46 1,2-Dichlorobenzen	5.00000	4.01774	80.35	50-130
48 1,2,4-Trichloroben	5.00000	3.44800	68.96	40-140
49 Naphthalene	5.00000	1.55298	31.06	5-80
50 1,2,3-Trichloroben	5.00000	2.81748	56.35	40-140

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 26 Toluene-d8	5.00000	5.15867	103.17	70-130

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
	=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	7.443	7.443	(0.767)	136103	4.95783	4.95783	
18 Carbon Tetrachloride	117	7.581	7.581	(0.782)	118915	5.53287	5.53286	
19 Benzene	78	7.800	7.800	(0.804)	334040	4.34510	4.34510	
20 1,2-Dichloroethane	62	7.855	7.855	(0.810)	142241	5.32632	5.32632	
21 Heptane	71	7.855	7.855	(0.810)	112681	5.56046	5.56046	
22 Trichloroethene	130	8.326	8.326	(0.858)	95327	5.39057	5.39057	
24 Methyl Methacrylate	69	8.567	8.567	(0.883)	118772	5.48622	5.48622	
25 4-Methyl-2-pentanone	85	9.290	9.290	(0.958)	44271	5.71596	5.71596	
\$ 26 Toluene-d8	98	9.435	9.435	(0.973)	342069	5.15867	5.15867	
28 Toluene-CCC	92	9.483	9.483	(0.978)	269337	5.21259	5.21258	
* 29 2-Fluorotoluene	109	9.700	9.700	(1.000)	365836	5.00000		
30 1,1,2-Trichloroethane	97	9.892	9.892	(1.020)	90781	5.31262	5.31262	
31 Tetrachloroethene	164	9.989	9.989	(1.030)	80940	5.25323	5.25323	
32 Chlorobenzene	112	10.833	10.833	(1.117)	285608	4.94251	4.94251	
33 Ethylbenzene-CCC	106	10.875	10.875	(1.121)	171894	5.41352	5.41352	
34 m,p-Xylene	106	10.958	10.958	(1.130)	410804	10.6789	10.6789	
36 o-Xylene	106	11.343	11.343	(1.169)	186340	4.72527	4.72527	
37 Styrene	104	11.343	11.343	(1.169)	207939	4.30405	4.30404	
38 a-Pinene	93	11.590	11.590	(1.195)	274041	6.06200	6.06200	
39 1,1,2,2-Tetrachloroethane-SPC	83	11.922	11.922	(1.229)	172617	4.82391	4.82391	
40 Propylbenzene	91	11.967	11.967	(1.234)	677204	5.61931	5.61931	
41 1,3,5-Trimethylbenzene	105	12.101	12.101	(1.248)	457306	5.51539	5.51539	
42 1,2,4-Trimethylbenzene	105	12.401	12.401	(1.279)	346882	5.30268	5.30268	
43 R-(+)-Limonene	68	12.594	12.594	(1.298)	217181	5.76673	5.76673	
44 1,3-Dichlorobenzene	146	12.715	12.715	(1.311)	234921	4.25483	4.25483	
45 1,4-Dichlorobenzene	146	12.787	12.787	(1.318)	198139	4.29043	4.29043	
46 1,2-Dichlorobenzene	146	13.124	13.124	(1.353)	168148	4.01774	4.01774	
48 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.511)	112998	3.44800	3.44800	
49 Naphthalene	128	14.963	14.963	(1.543)	144705	1.55298	1.55298	
50 1,2,3-Trichlorobenzene	180	15.247	15.247	(1.572)	92821	2.81748	2.81748	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i

Calibration Date: 19-MAY-2011

Lab File ID: 10051907sim.d

Calibration Time: 09:35

Lab Smp Id: 1105031A

Client Smp ID: LCSD

Analysis Type: SV

Level: MED

Quant Type: ISTD

Sample Type: AIR

Operator: LZ

Method File: /chem/msd10.i/19May2011.b/1011r0517.m/1011r0517b.m

Misc Info: ,NOTICS

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	385421	192710	770842	365836	-5.08

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 2-Fluorotoluene	9.70	9.20	10.20	9.70	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/19May2011.b/10051907sim.d

Date : 19-May-2011 12:39

Client ID: LCSD

Sample Info: J11050314;LCSD

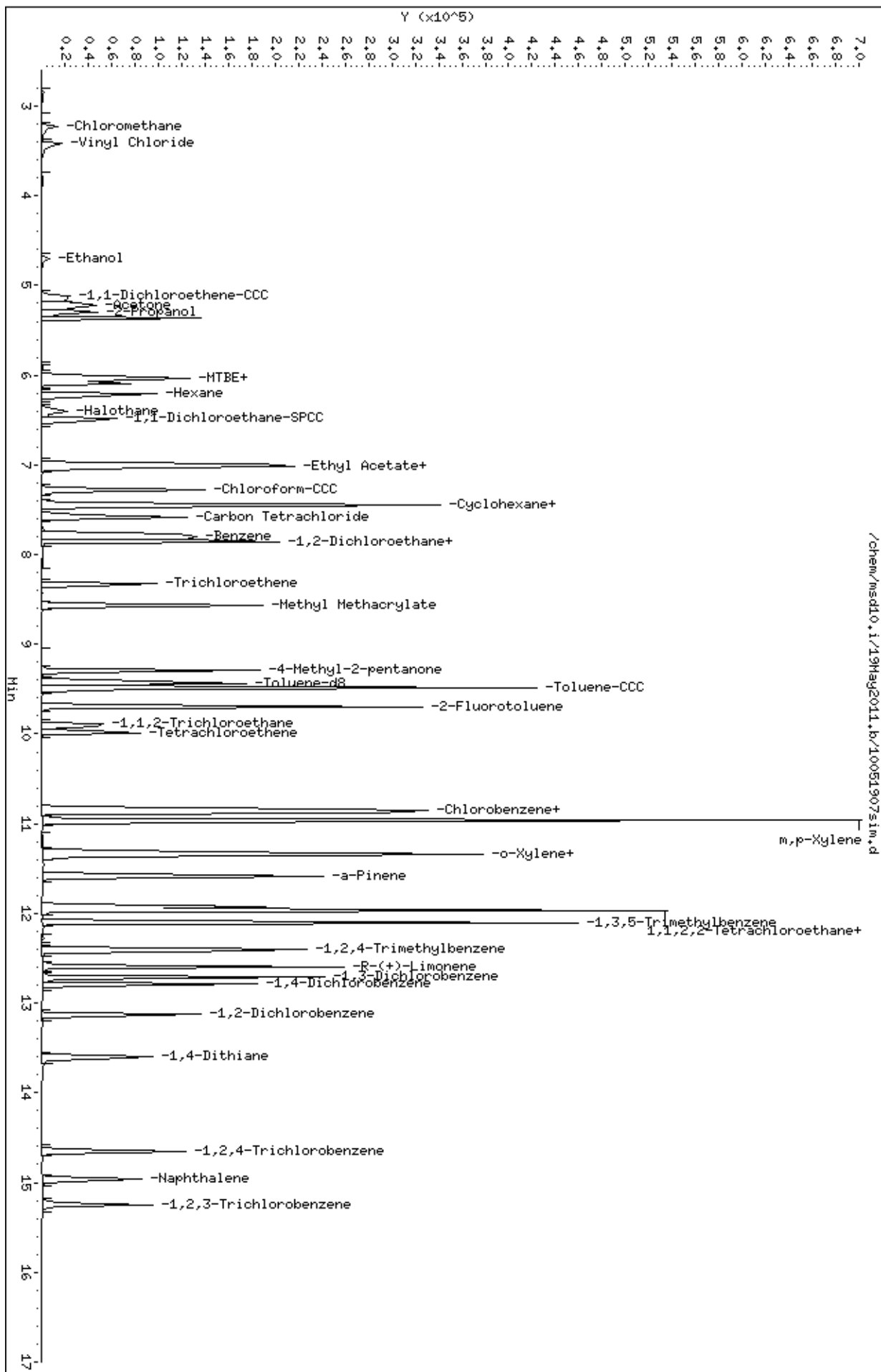
Volume Injected (uL): 1.0

Column Phase: DB-5.625

Instrument: msd10.i

Operator: LZ

Column diameter: 0.25



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

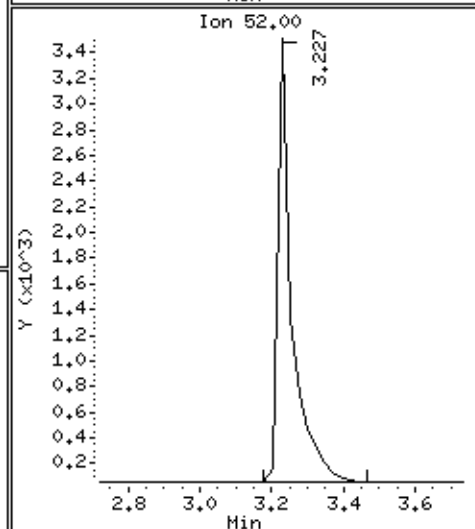
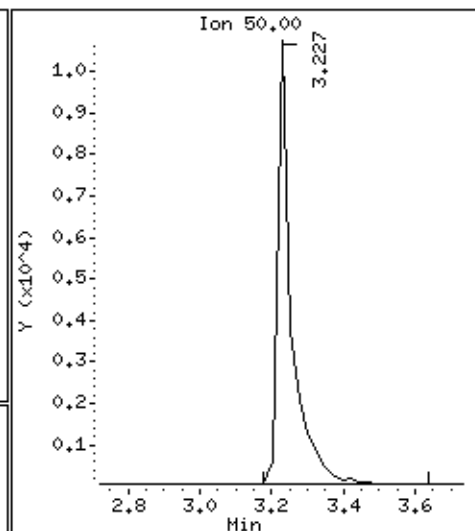
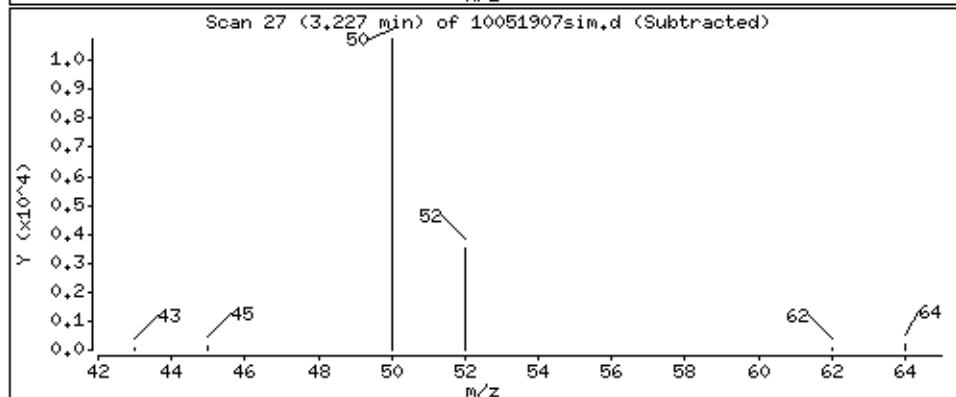
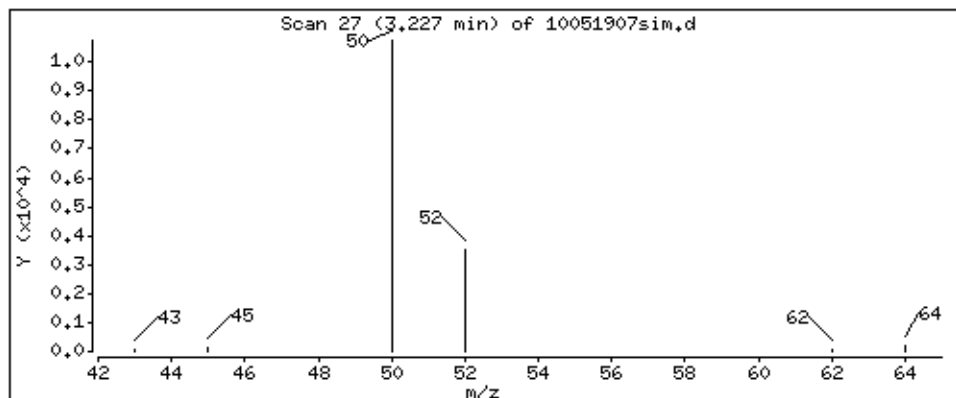
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

1 Chloromethane

Concentration: 11.0050 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

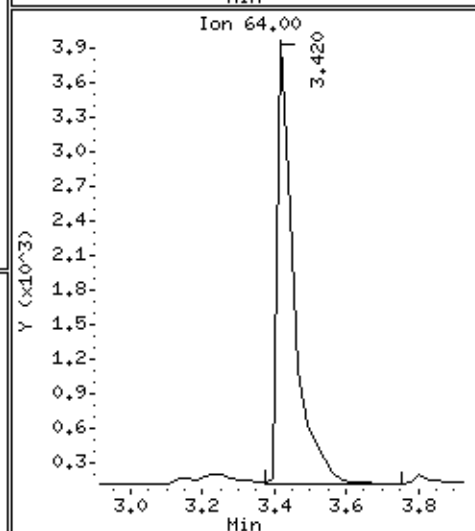
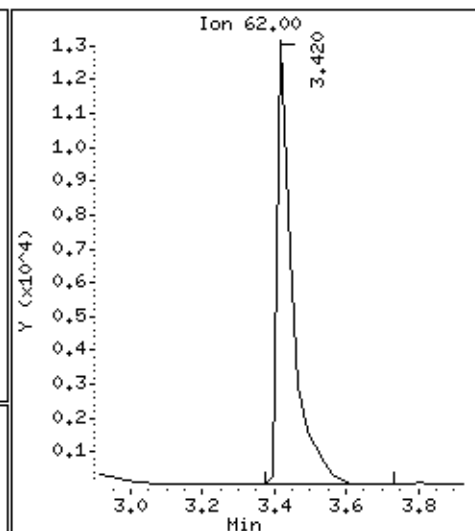
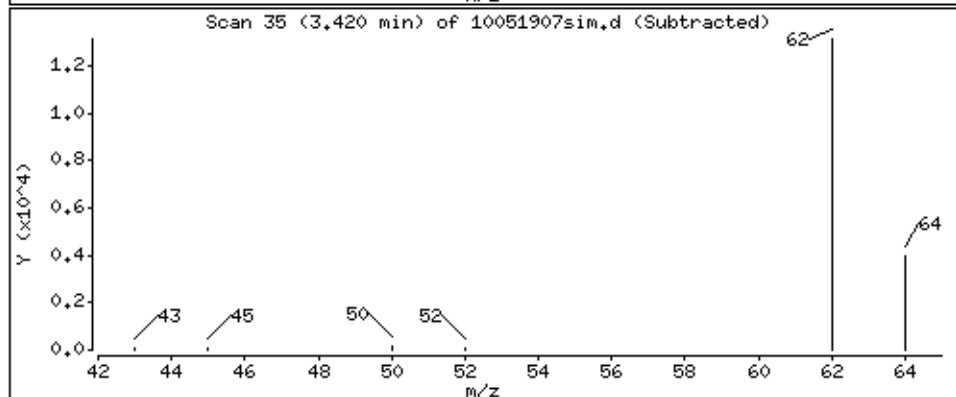
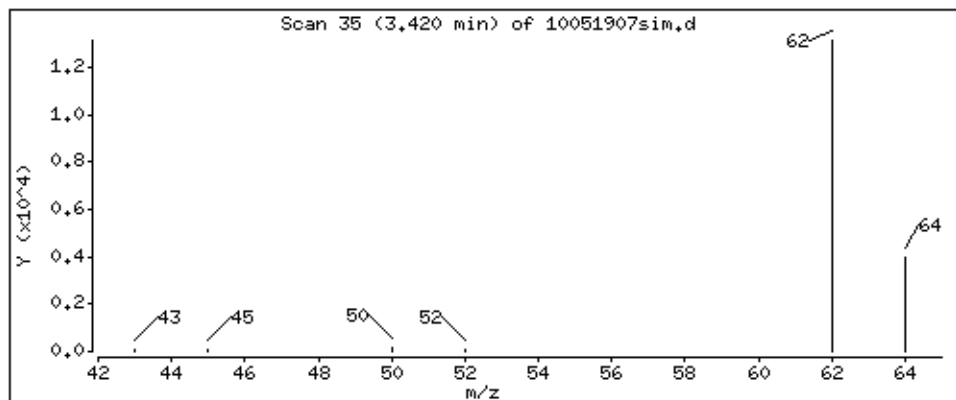
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

2 Vinyl Chloride

Concentration: 3.84842 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

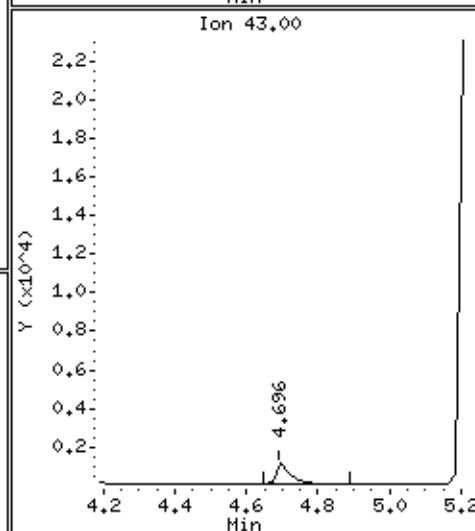
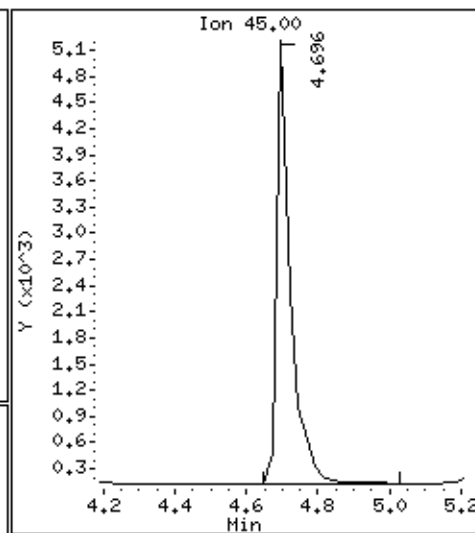
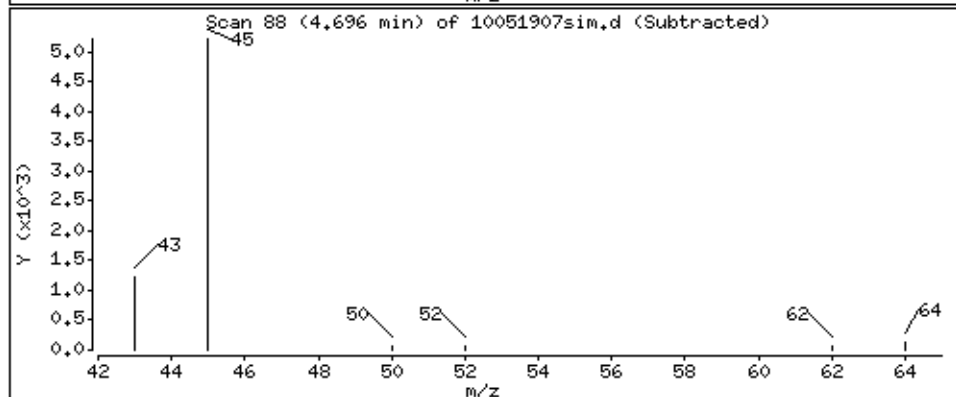
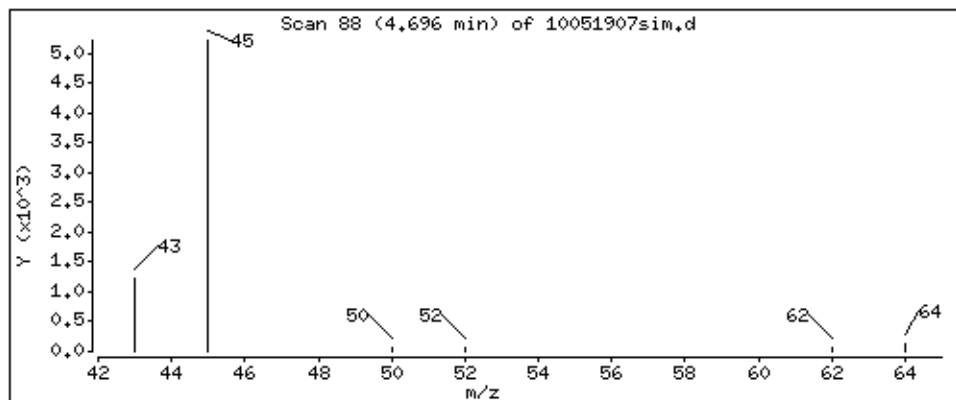
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

3 Ethanol

Concentration: 2.27578 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

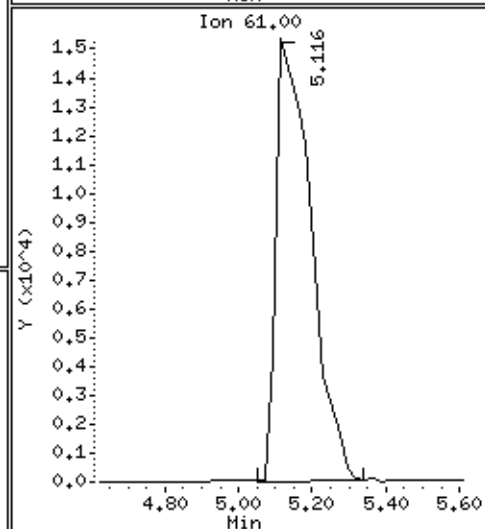
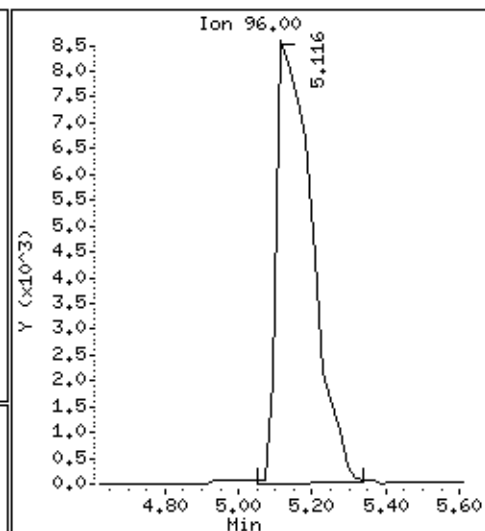
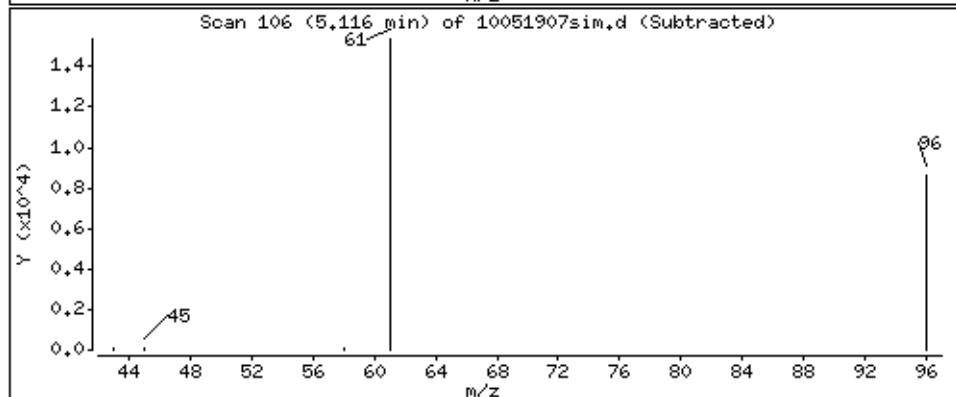
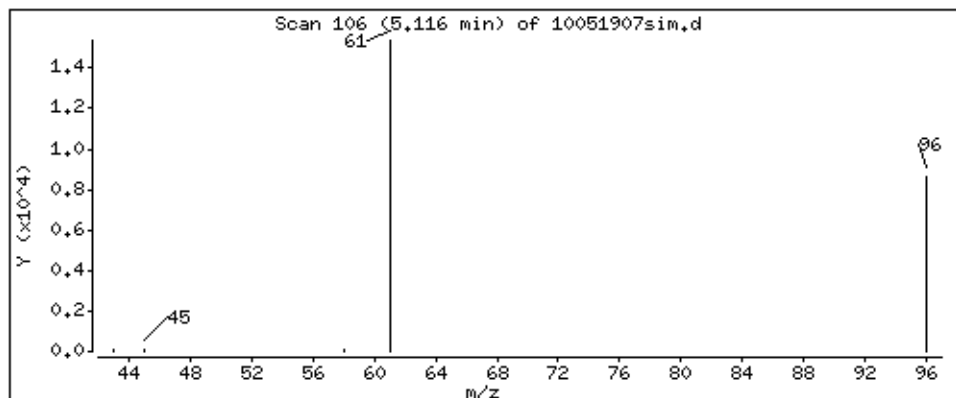
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

4 1,1-Dichloroethene-CCC

Concentration: 4.87776 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

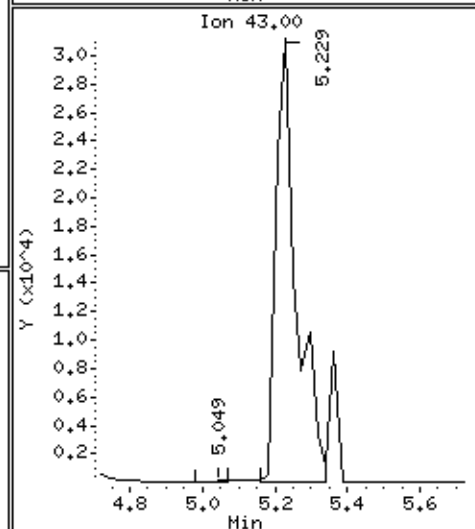
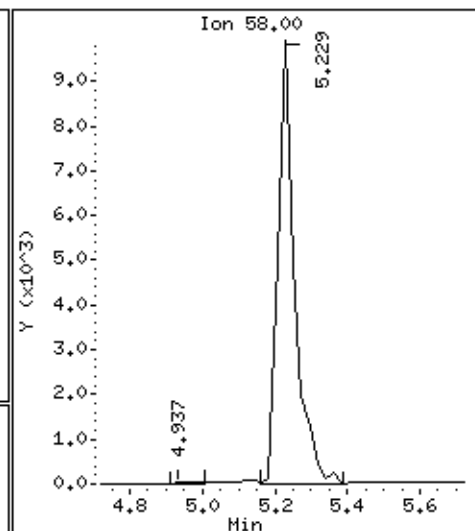
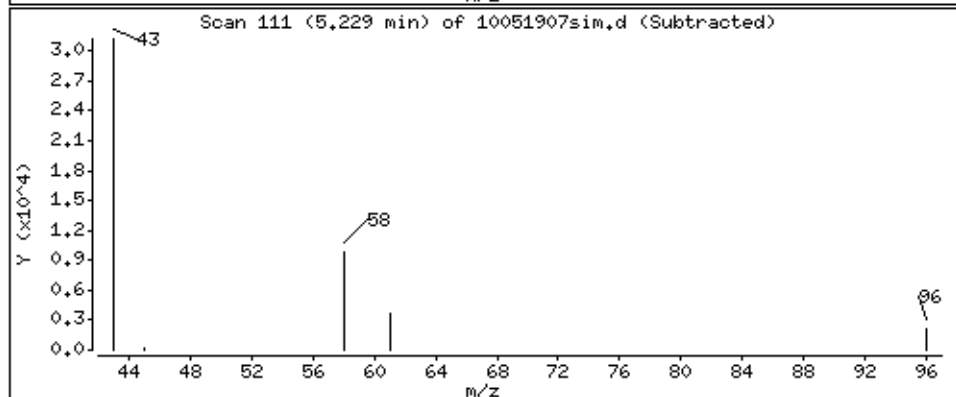
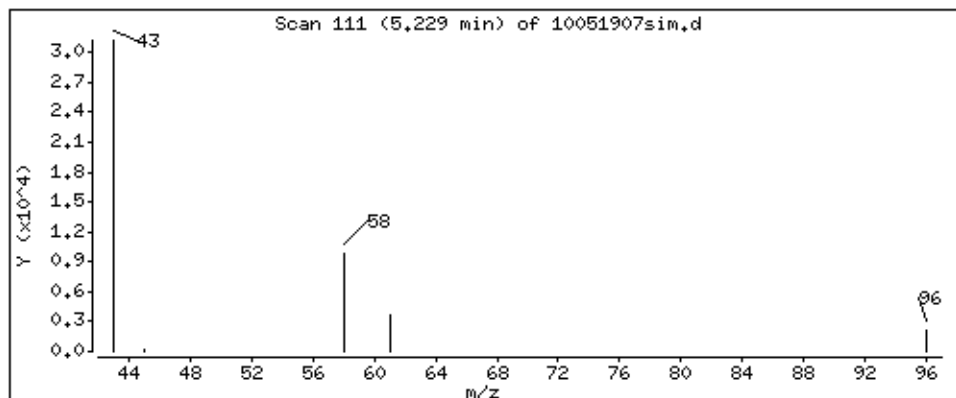
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

5 Acetone

Concentration: 3.84946 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

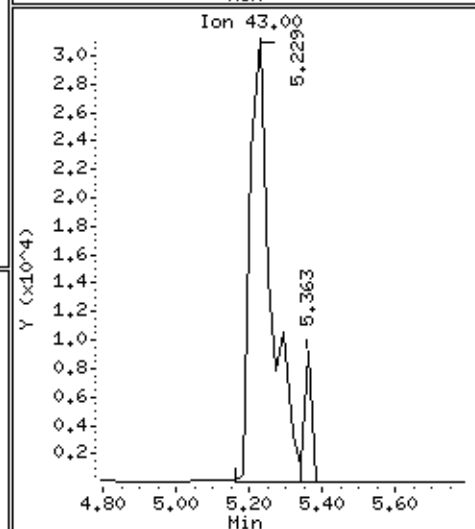
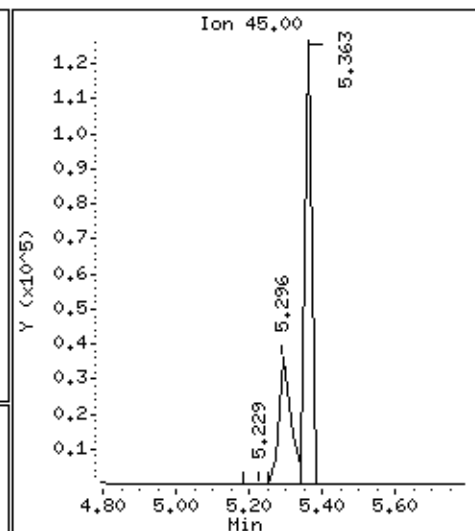
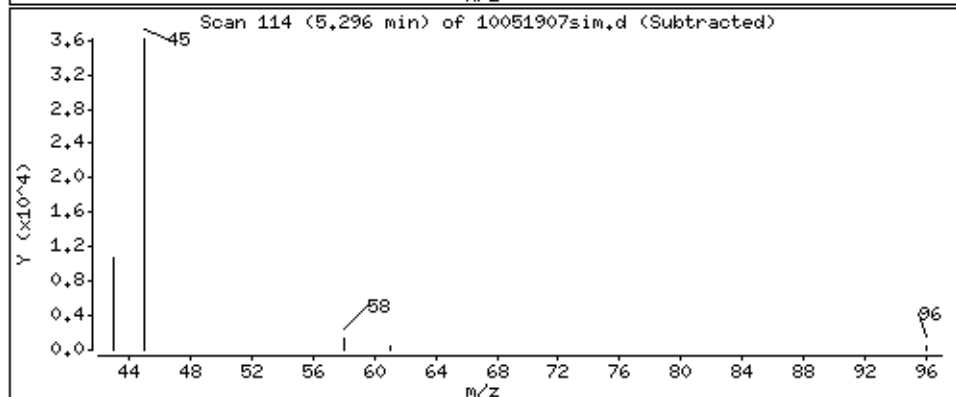
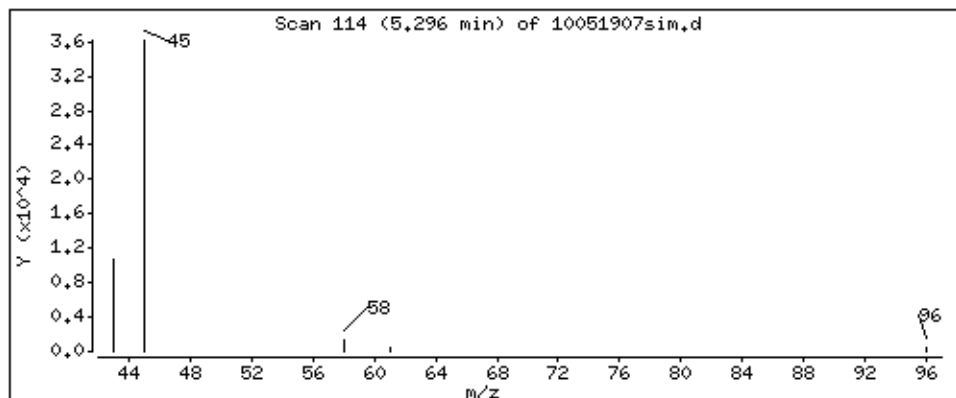
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

6 2-Propanol

Concentration: 8.41139 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

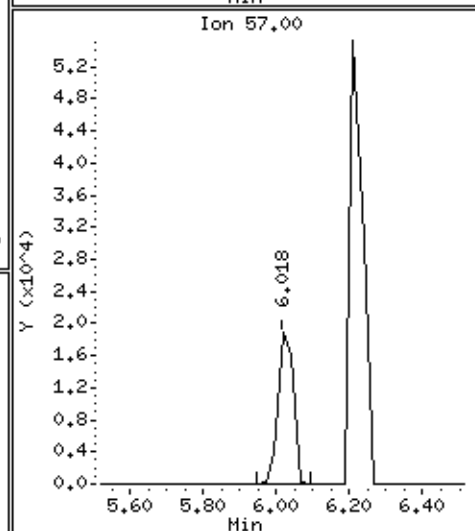
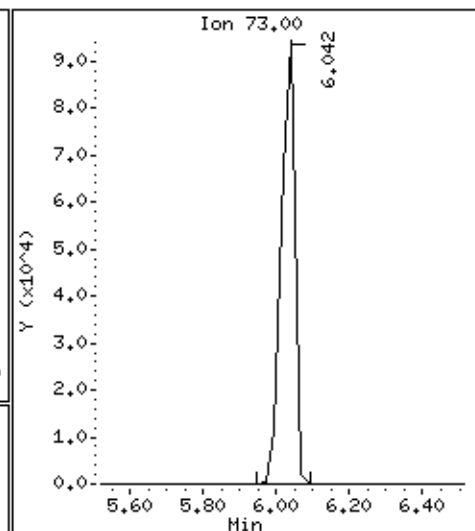
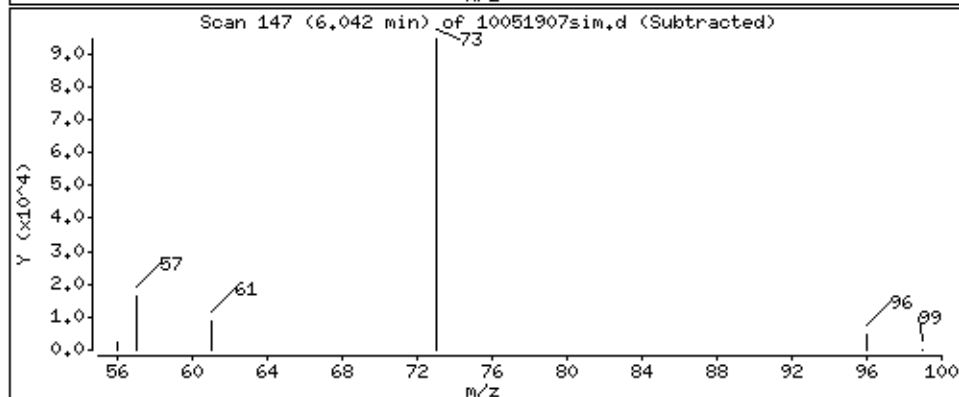
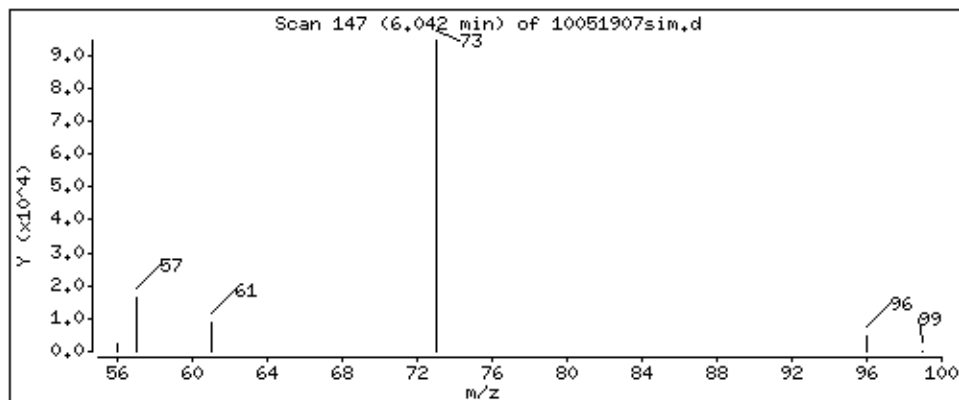
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

7 MTBE

Concentration: 5.22099 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

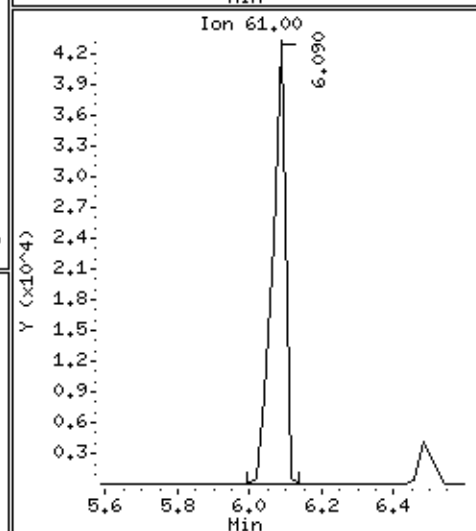
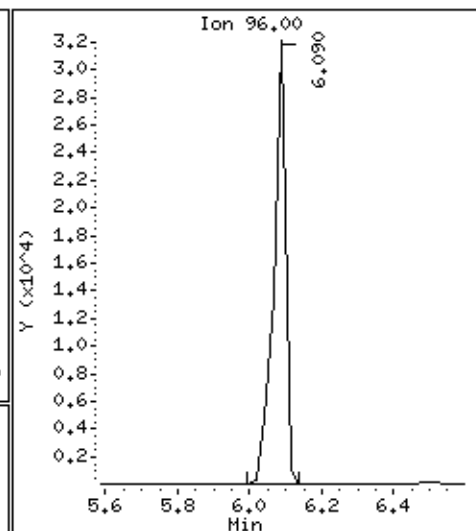
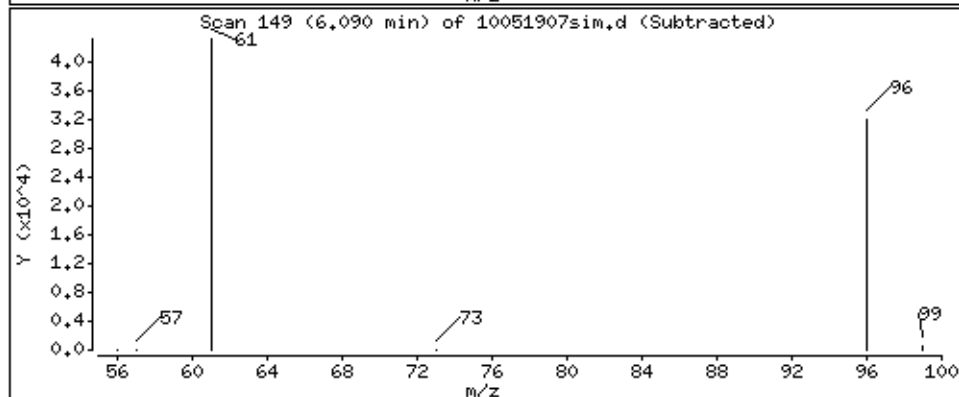
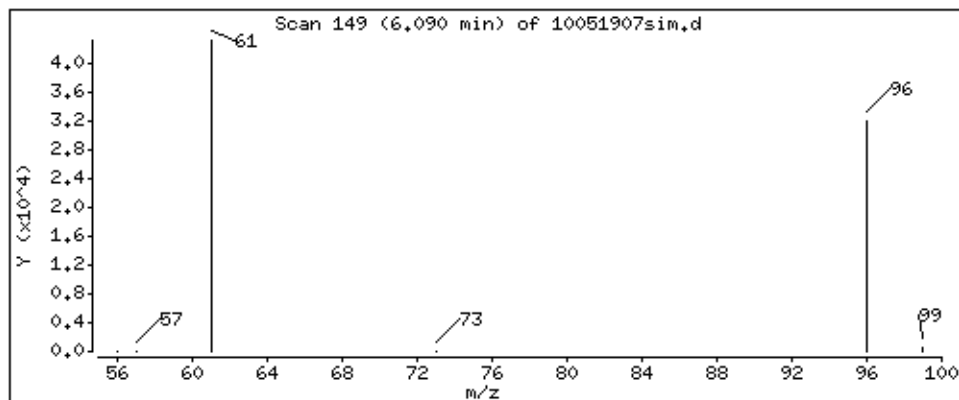
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

8 trans-1,2-Dichloroethene

Concentration: 5.22623 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

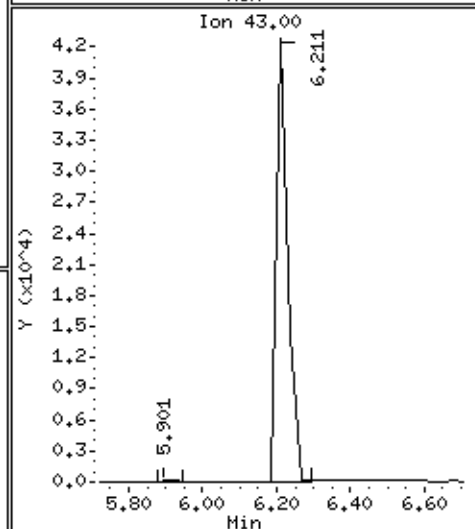
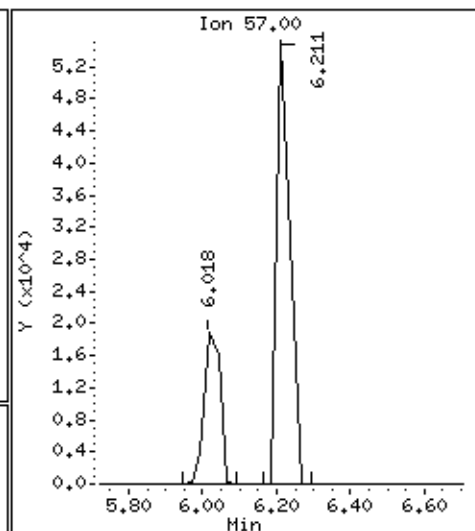
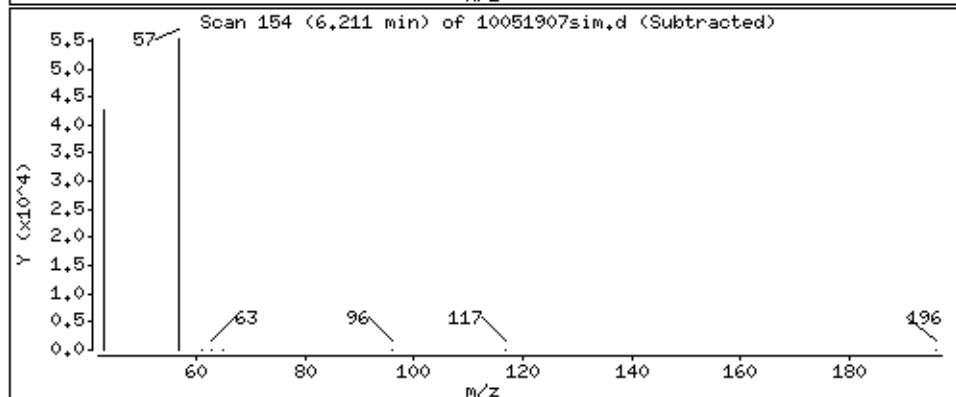
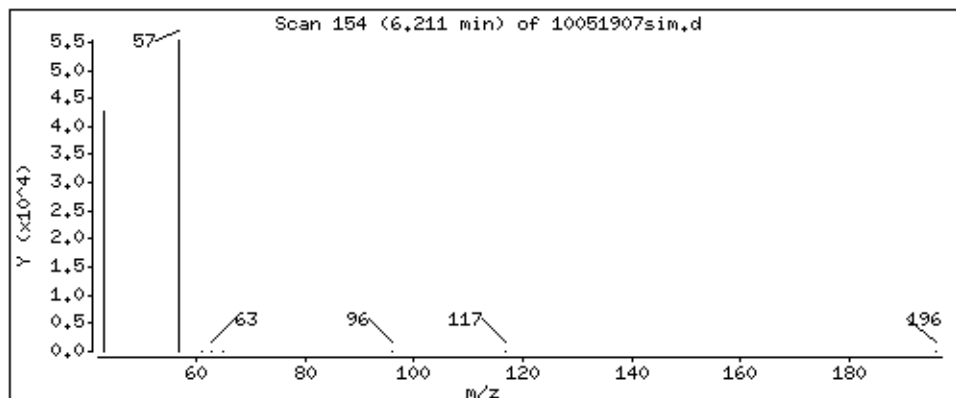
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

9 Hexane

Concentration: 4.59587 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

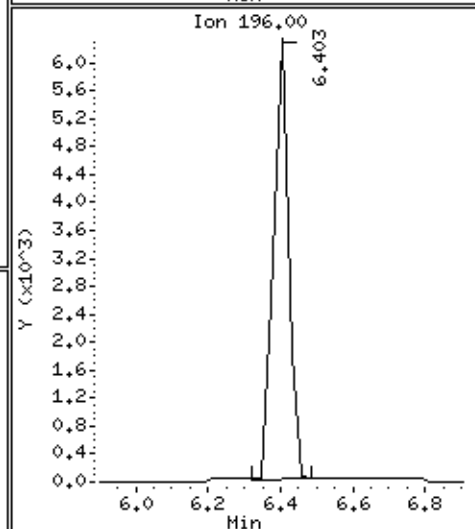
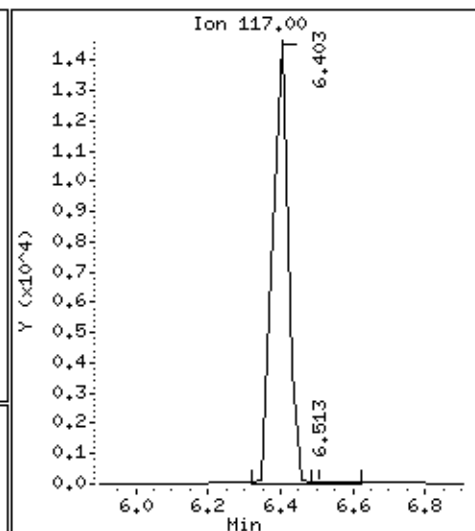
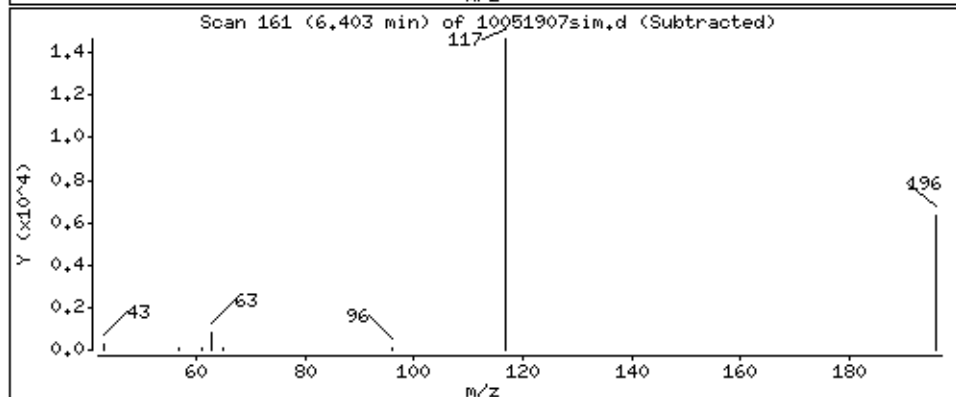
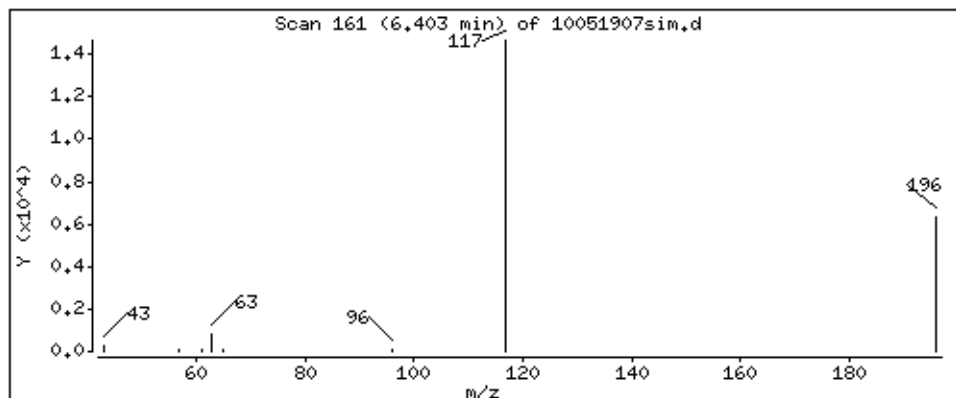
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

10 Halothane

Concentration: 5.12554 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

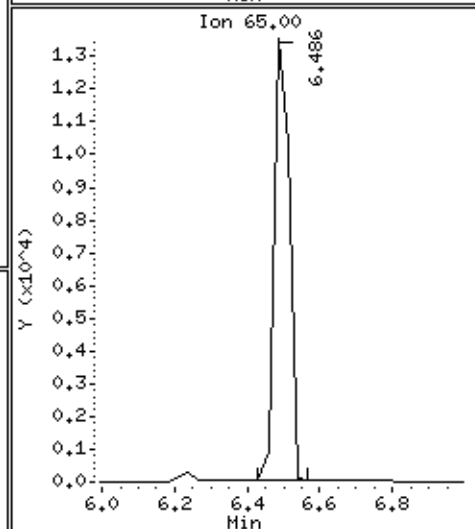
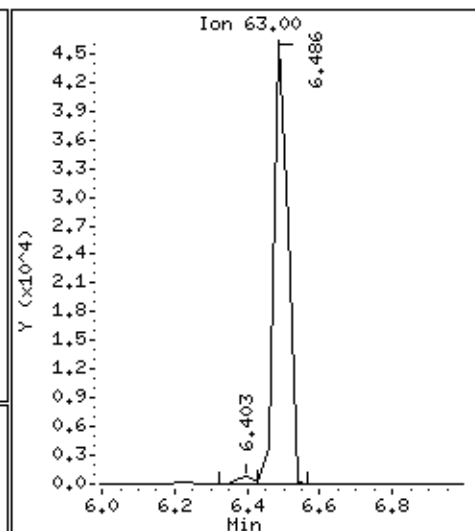
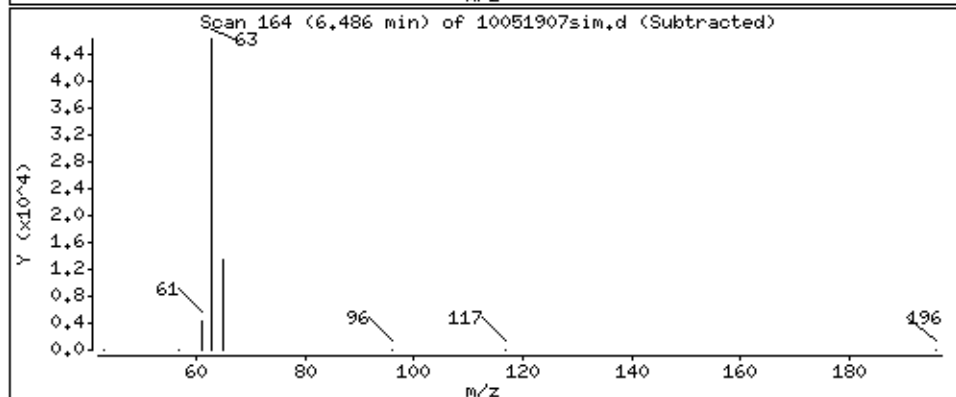
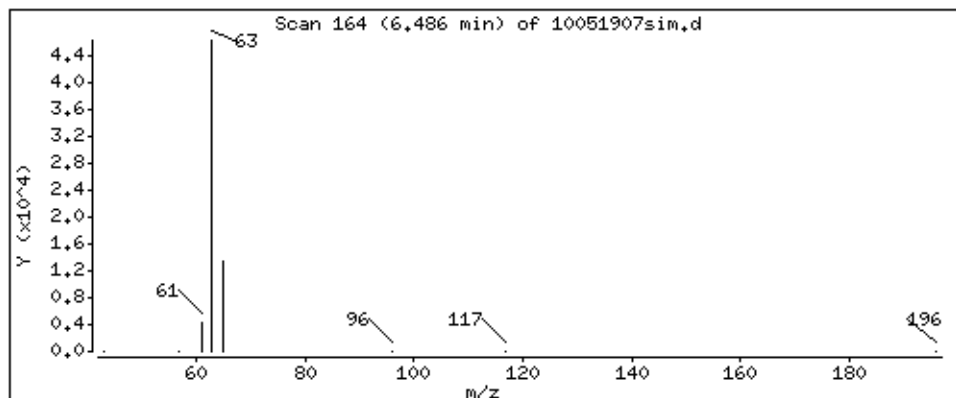
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

11 1,1-Dichloroethane-SPCC

Concentration: 4.88813 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

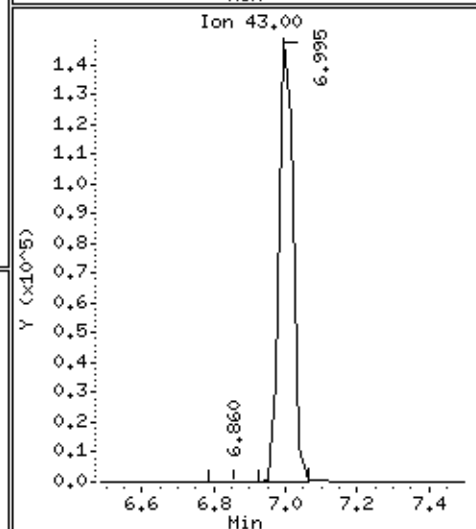
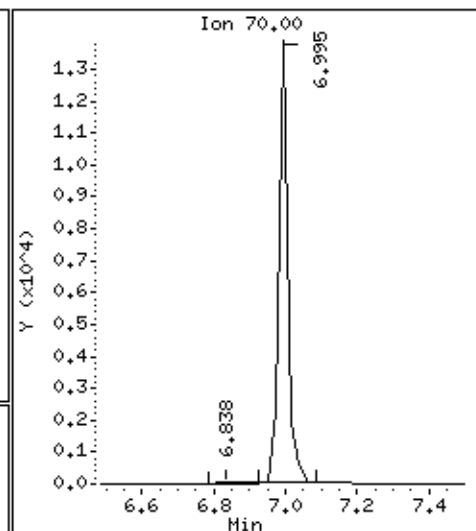
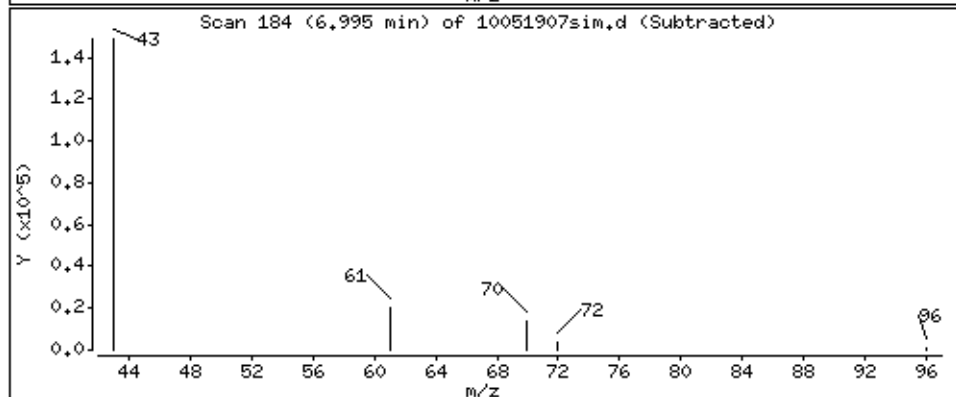
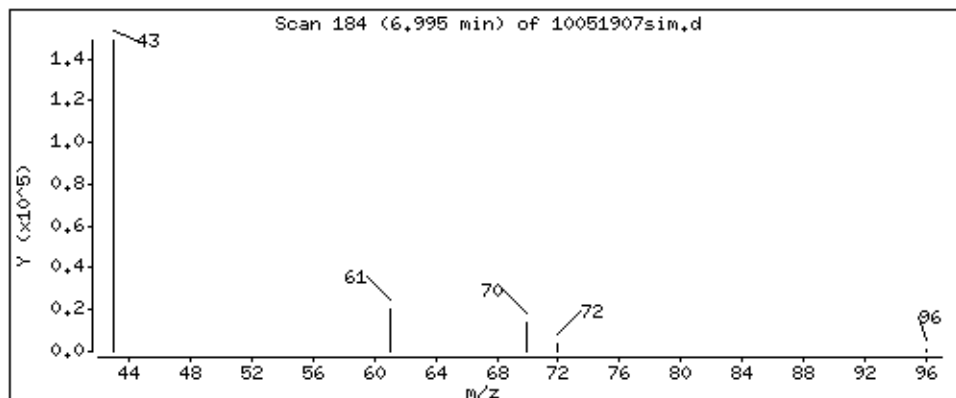
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

12 Ethyl Acetate

Concentration: 5.20792 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

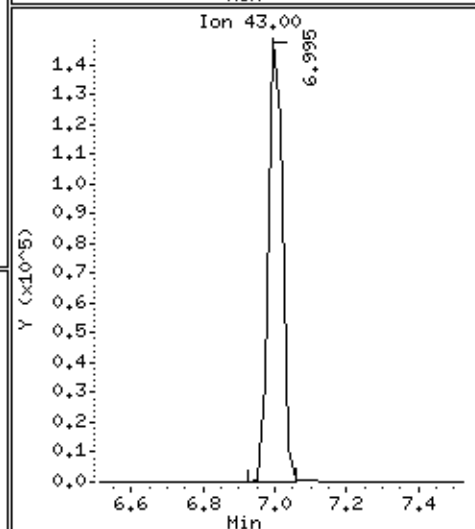
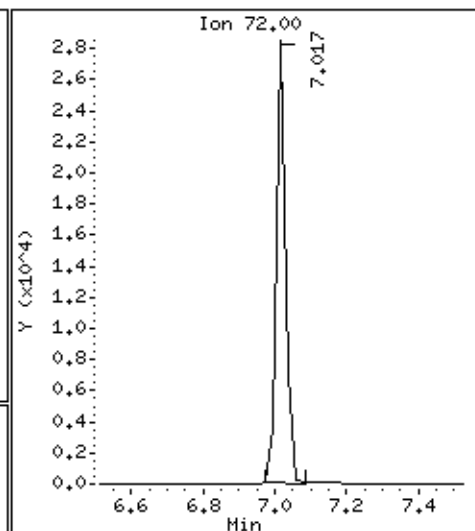
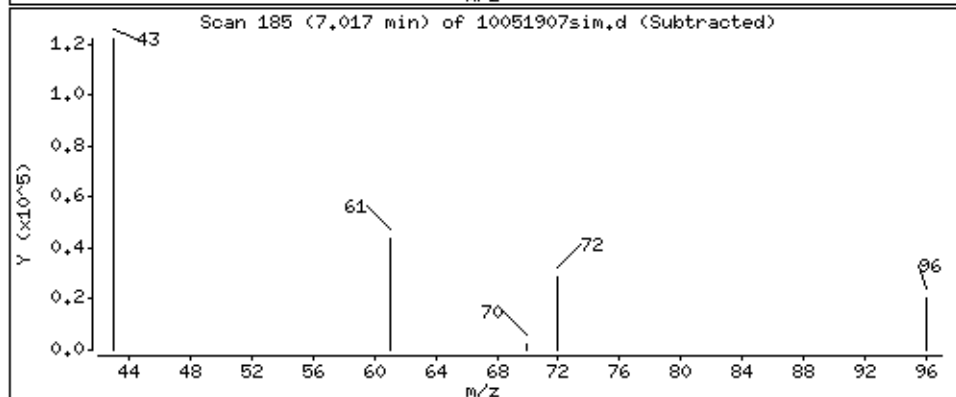
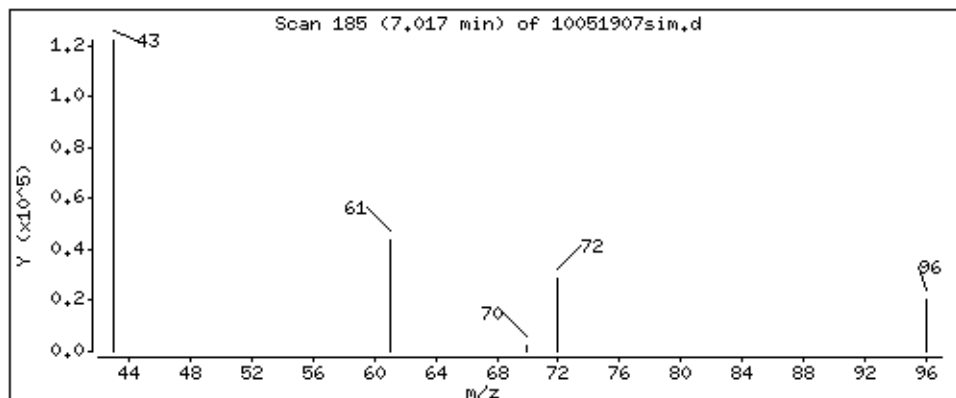
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

13 2-Butanone

Concentration: 4.81599 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

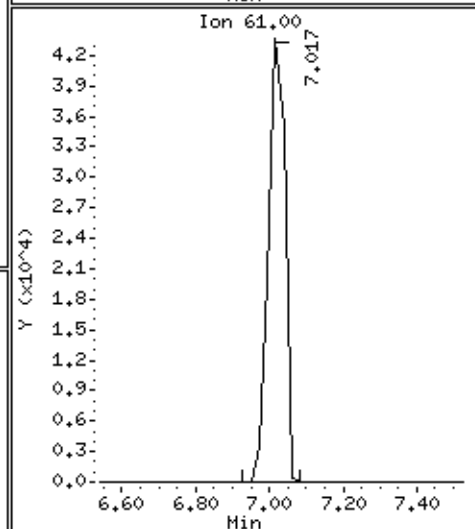
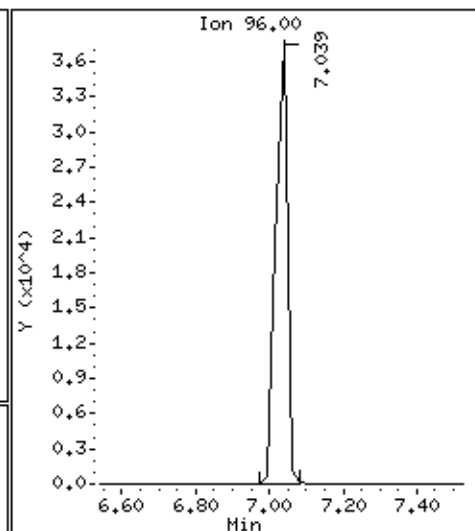
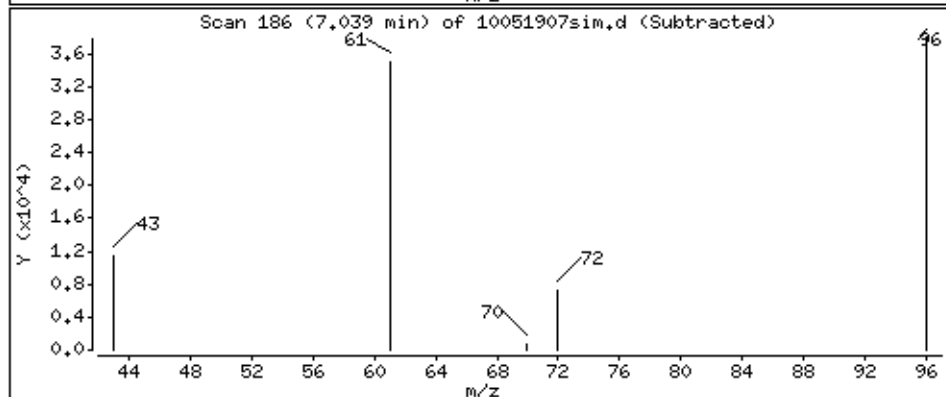
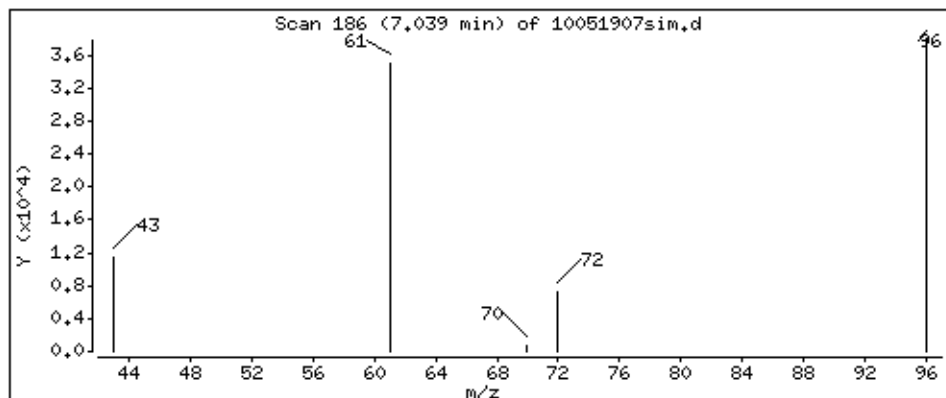
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

14 cis-1,2-Dichloroethene

Concentration: 5.05722 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

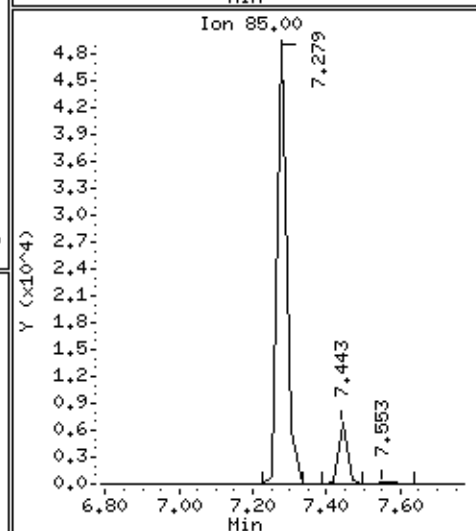
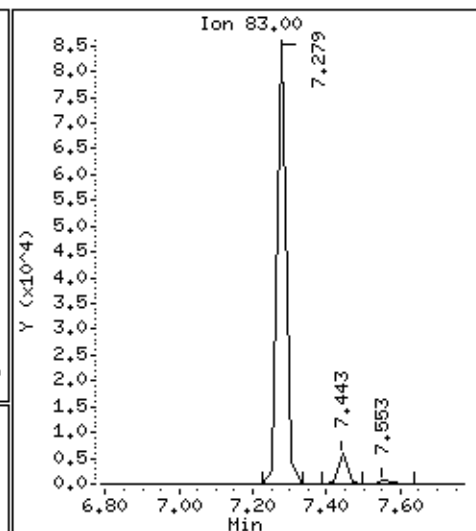
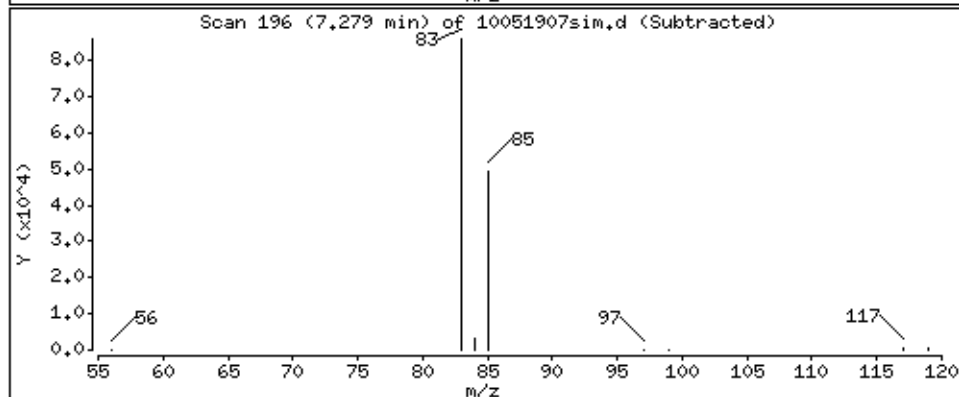
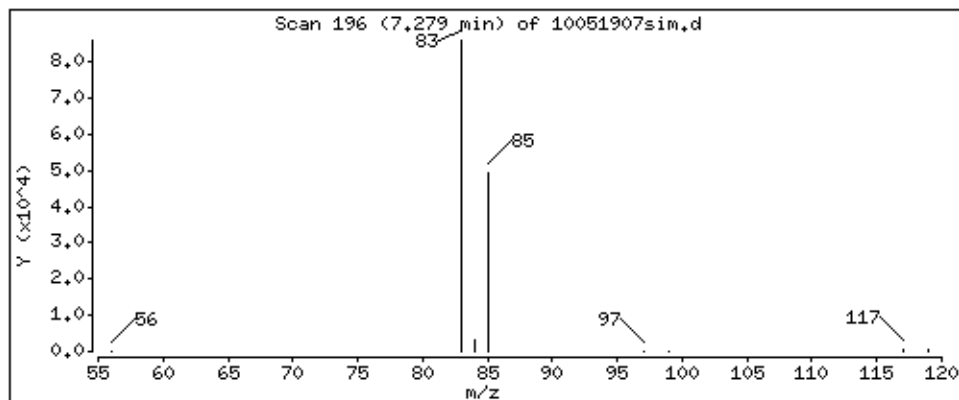
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

15 Chloroform-CCC

Concentration: 5.58572 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

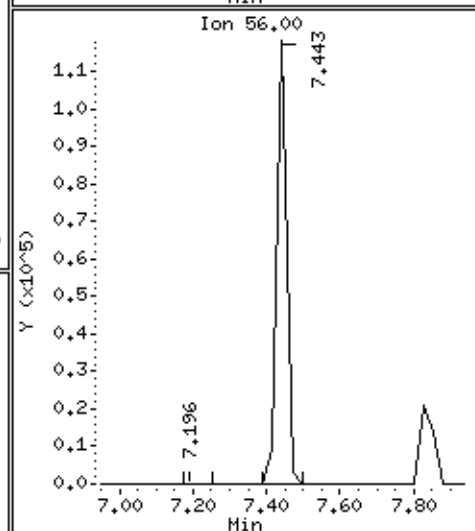
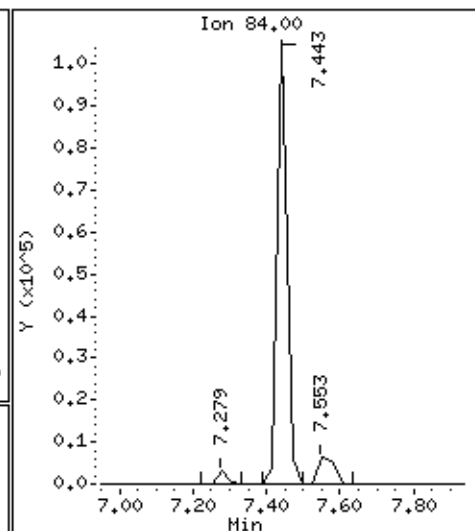
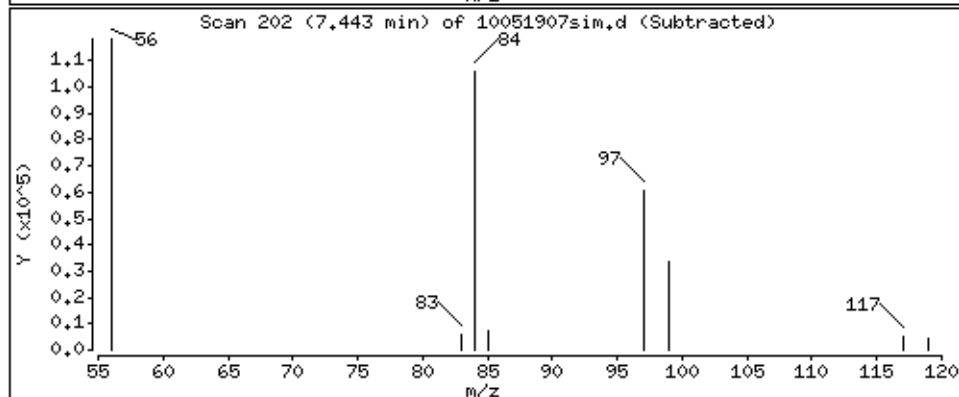
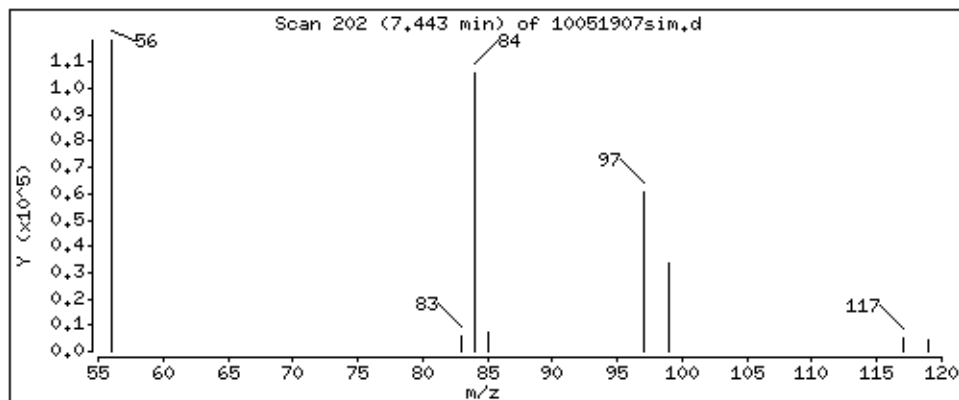
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

16 Cyclohexane

Concentration: 5.77948 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

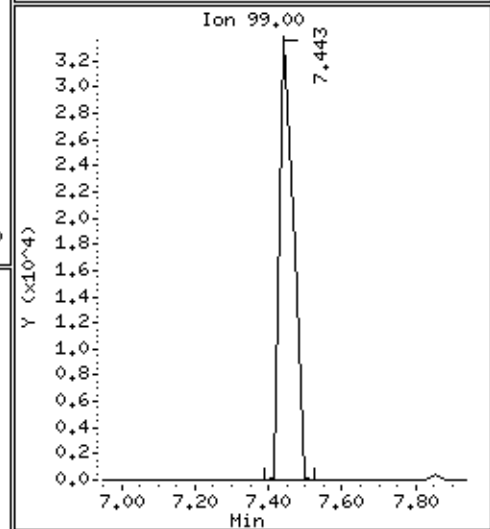
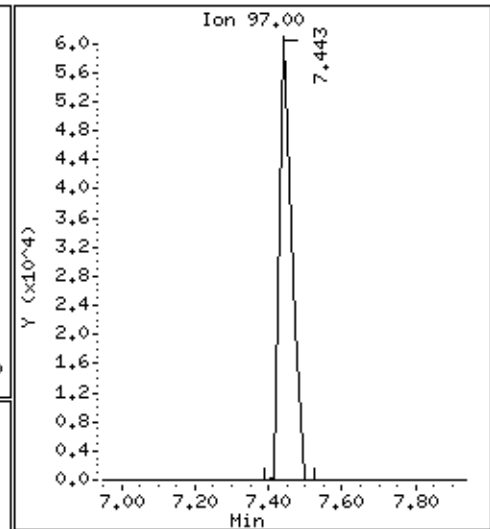
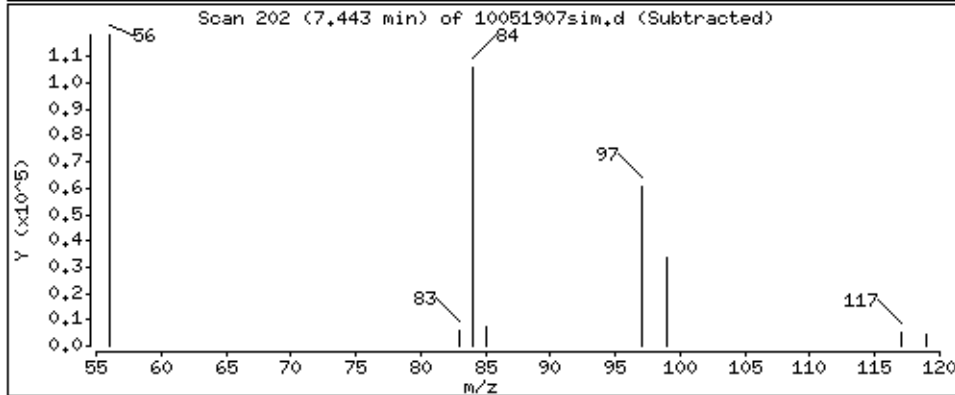
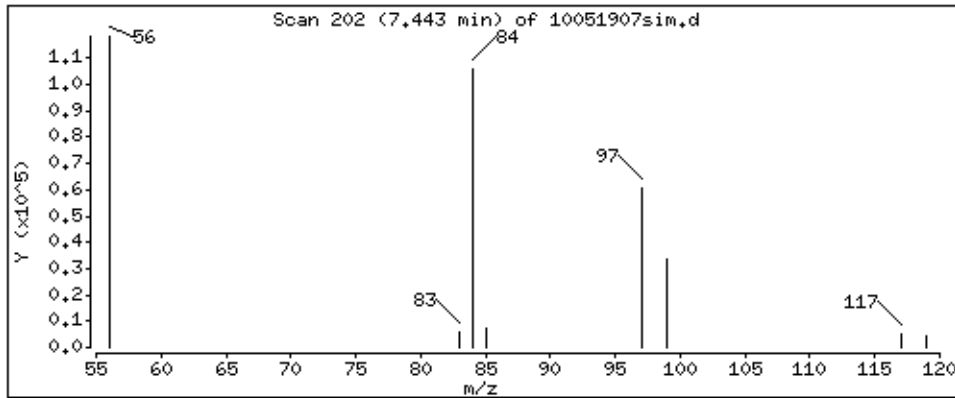
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

17 1,1,1-Trichloroethane

Concentration: 4.95783 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

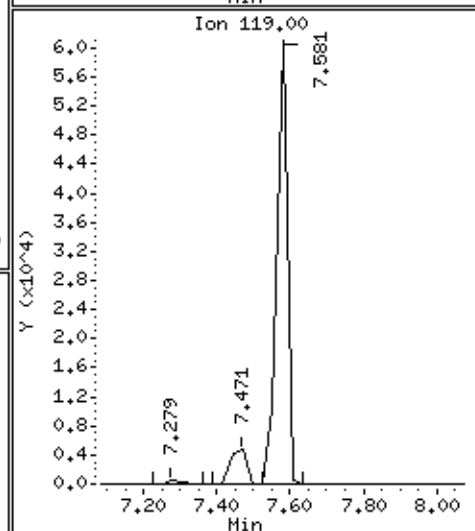
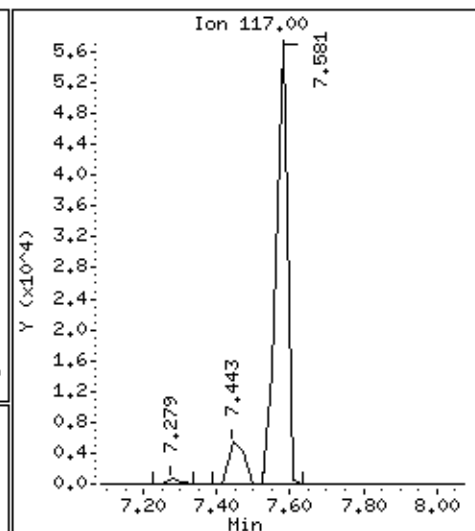
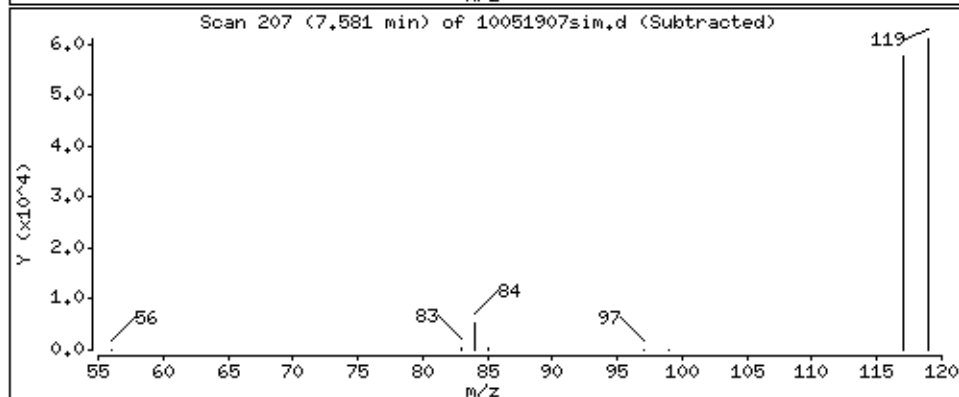
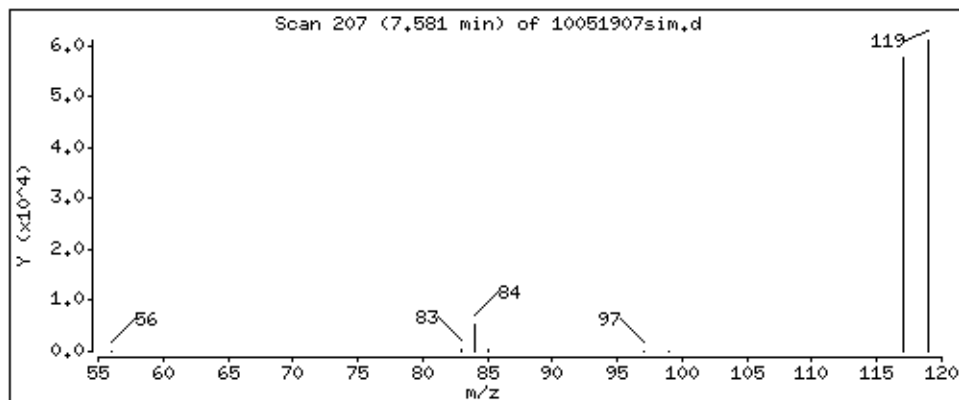
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

18 Carbon Tetrachloride

Concentration: 5.53286 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

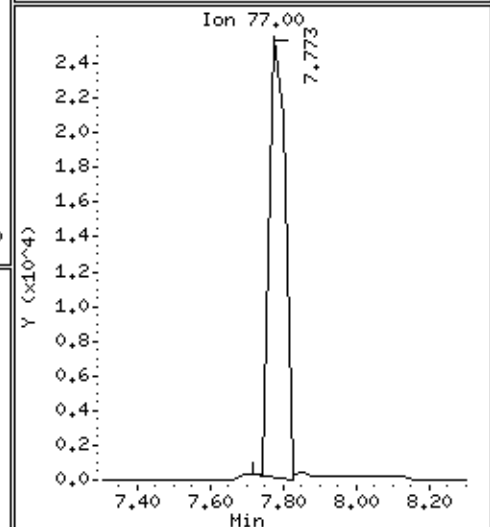
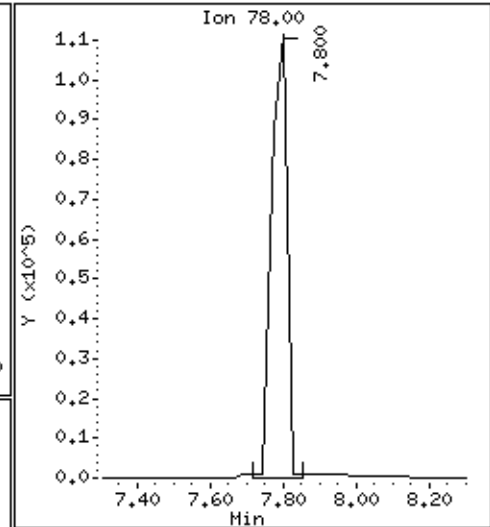
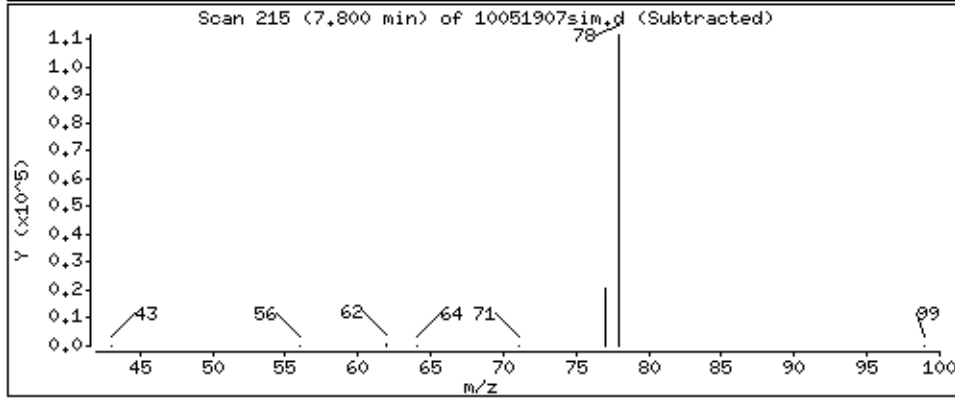
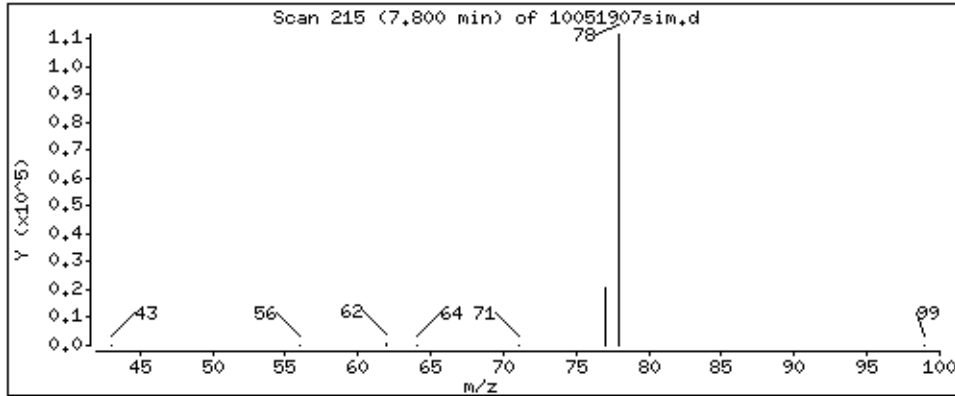
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

19 Benzene

Concentration: 4.34510 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

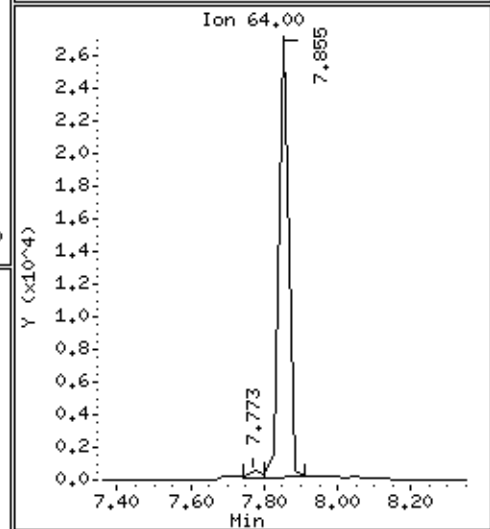
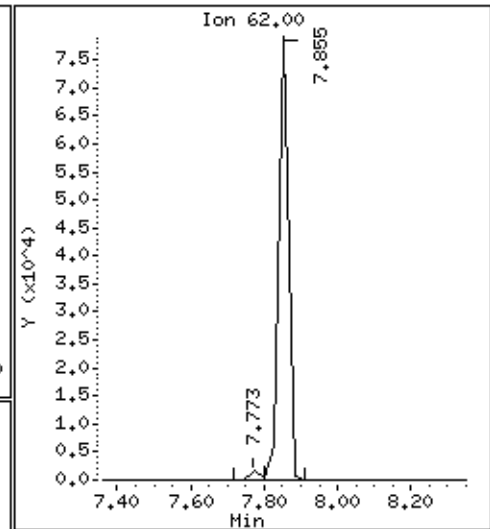
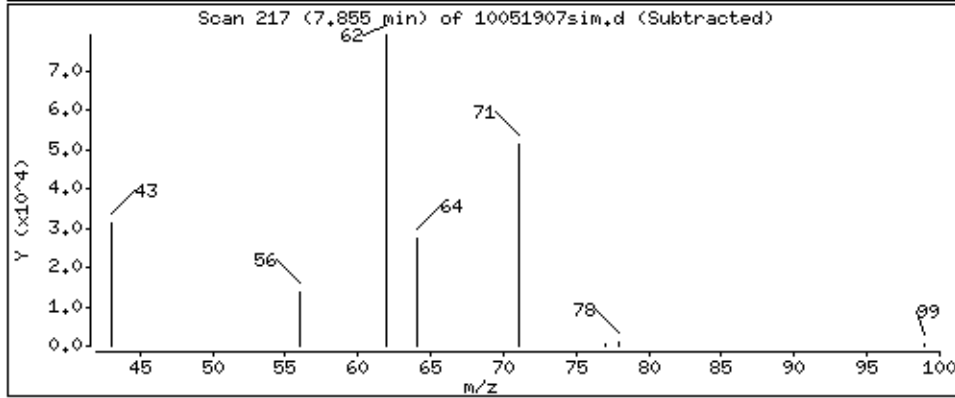
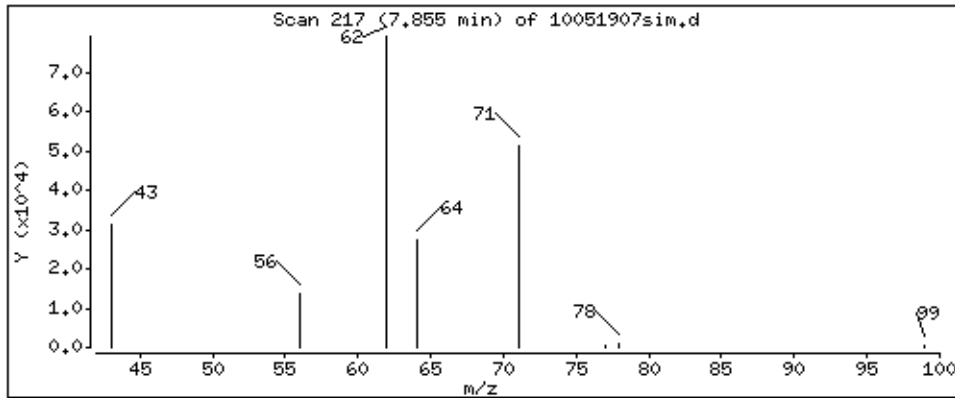
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

20 1,2-Dichloroethane

Concentration: 5.32632 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

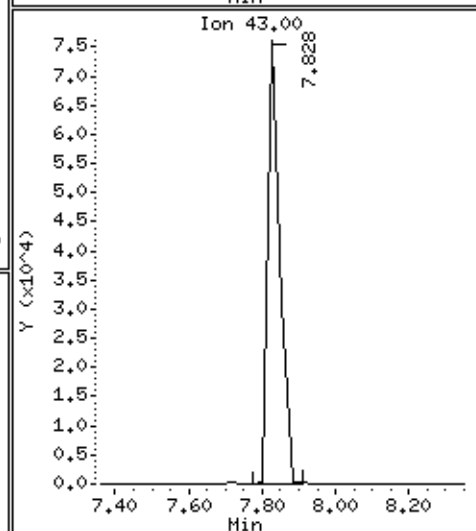
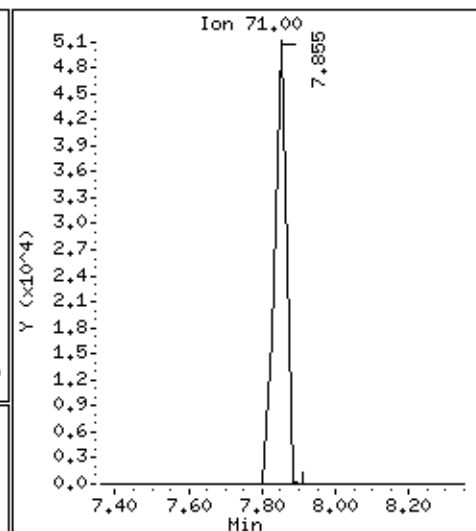
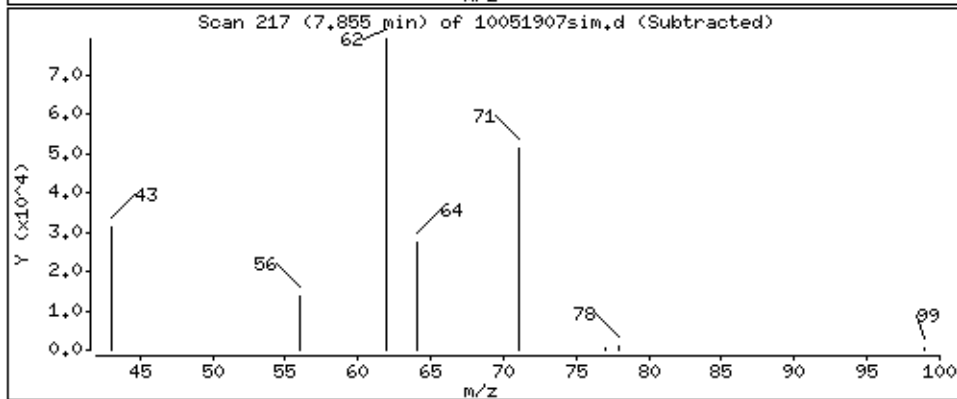
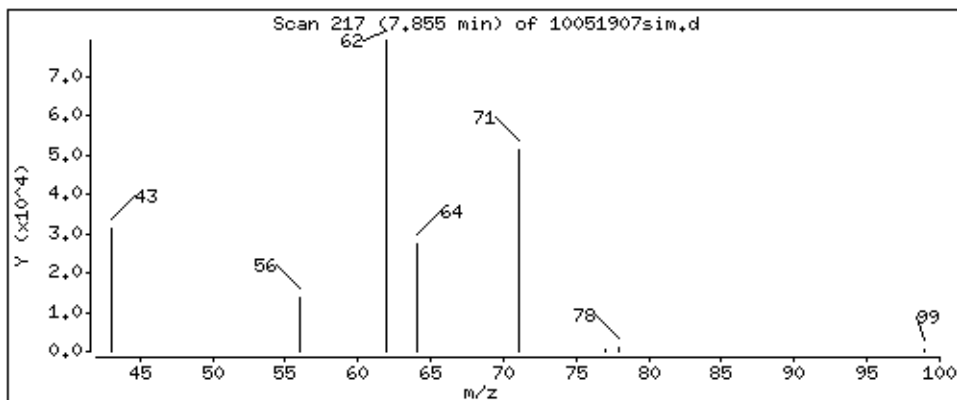
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

21 Heptane

Concentration: 5.56046 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

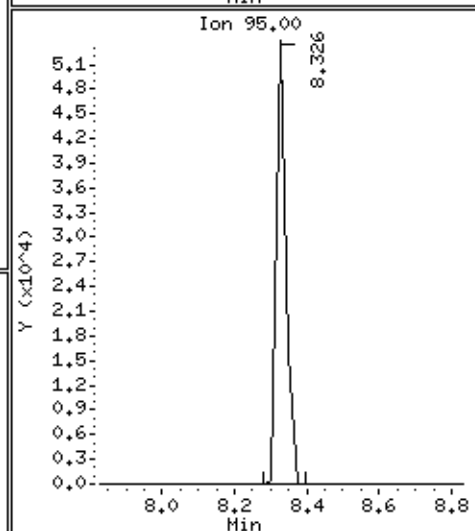
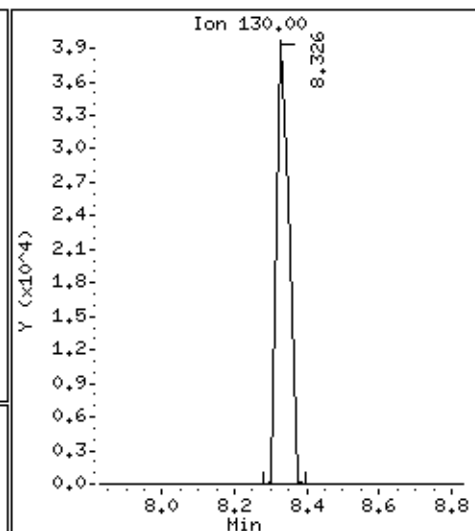
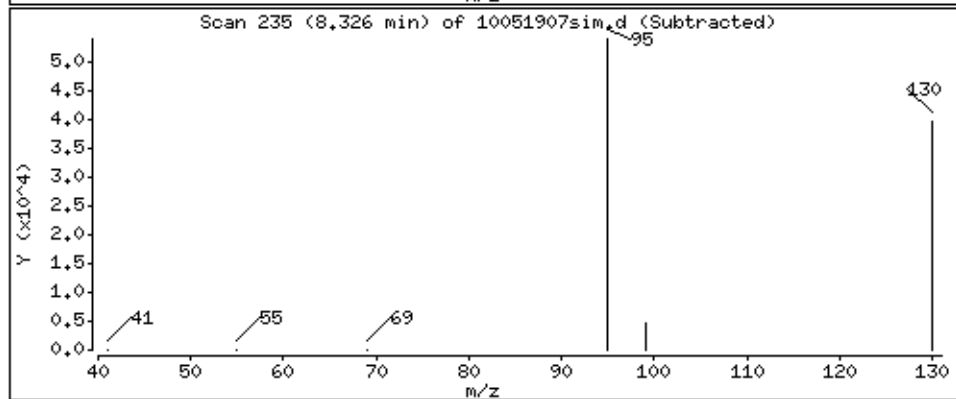
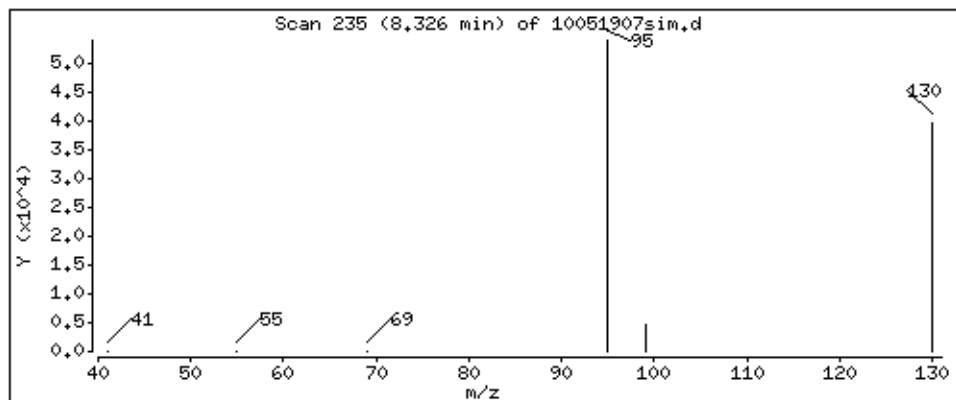
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

22 Trichloroethene

Concentration: 5.39057 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

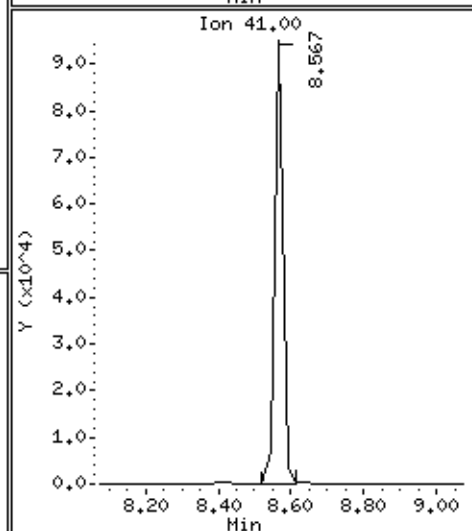
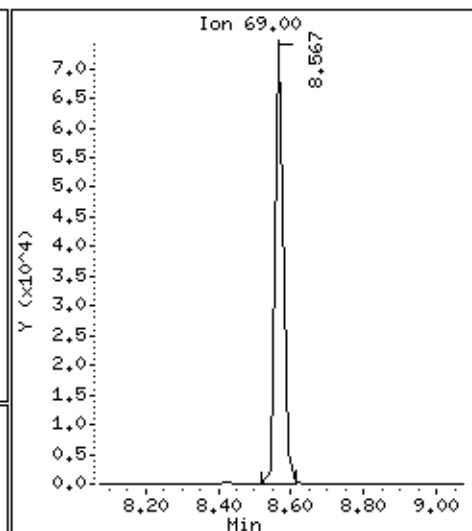
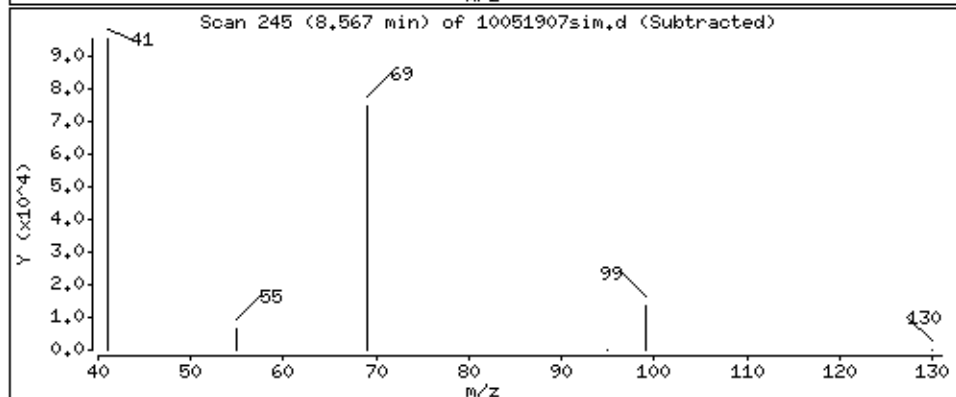
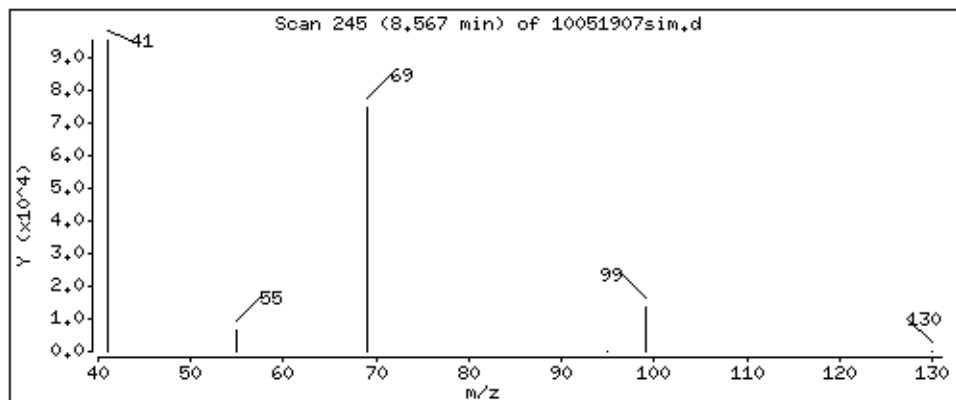
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

24 Methyl Methacrylate

Concentration: 5.48622 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

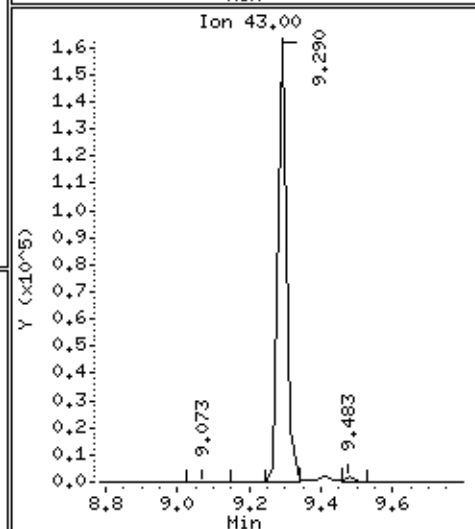
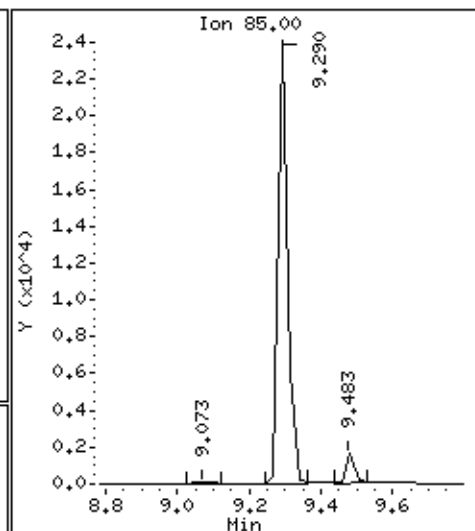
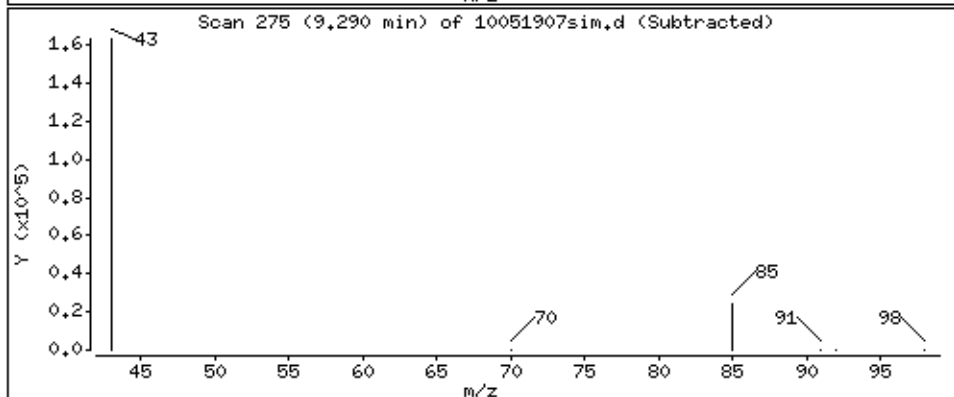
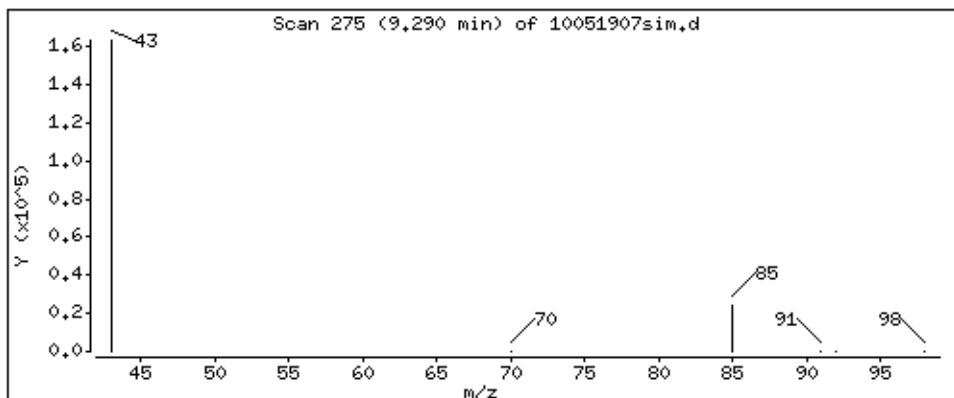
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

25 4-Methyl-2-pentanone

Concentration: 5.71596 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

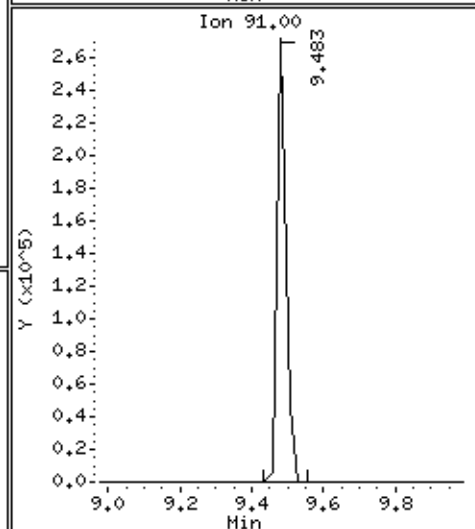
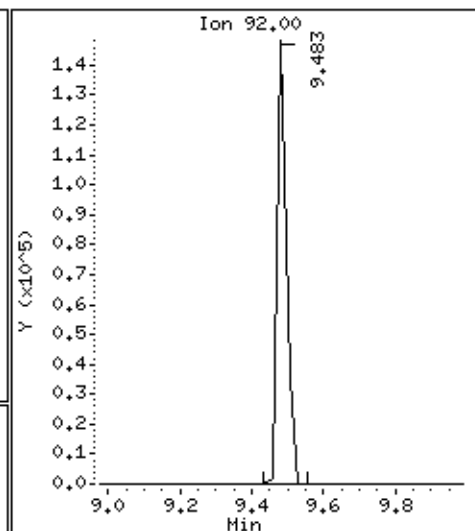
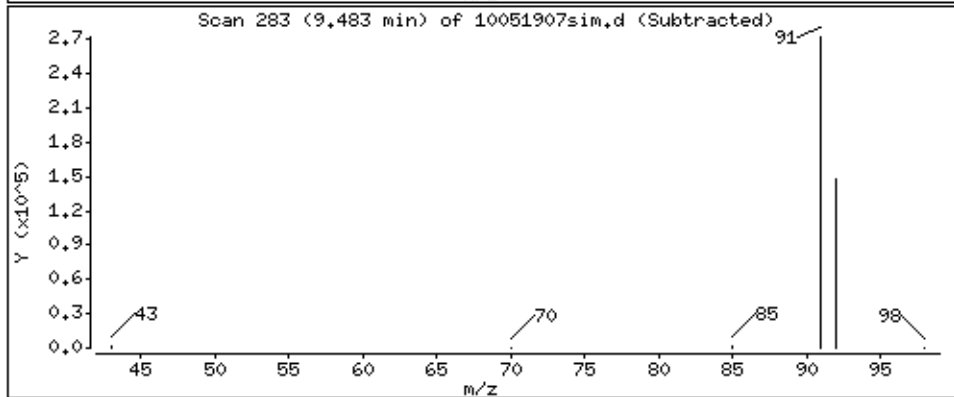
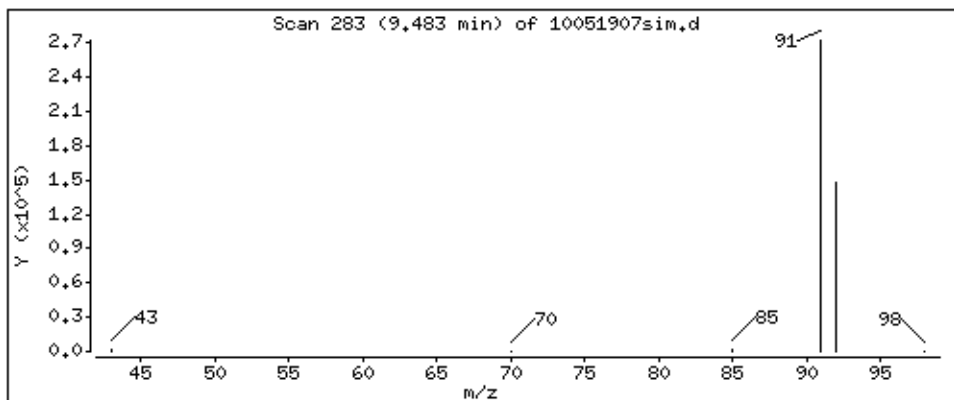
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

28 Toluene-CCC

Concentration: 5.21258 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

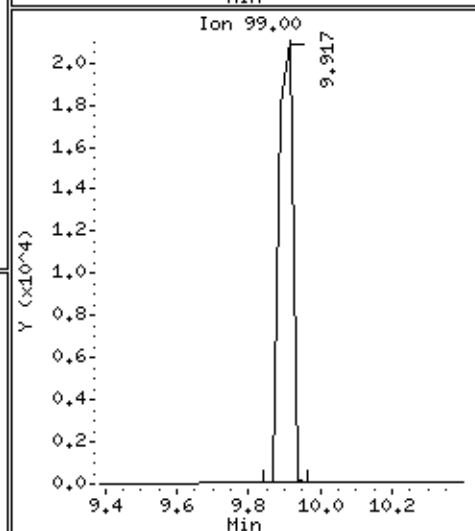
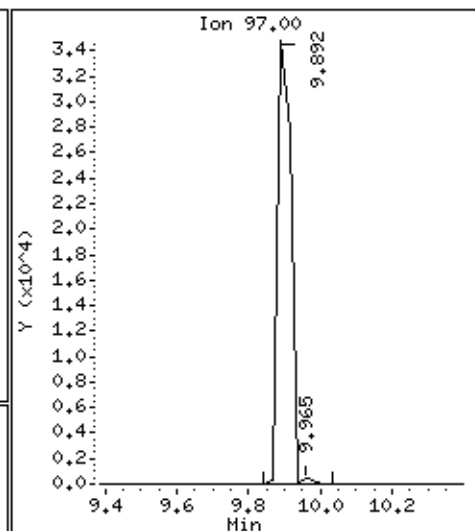
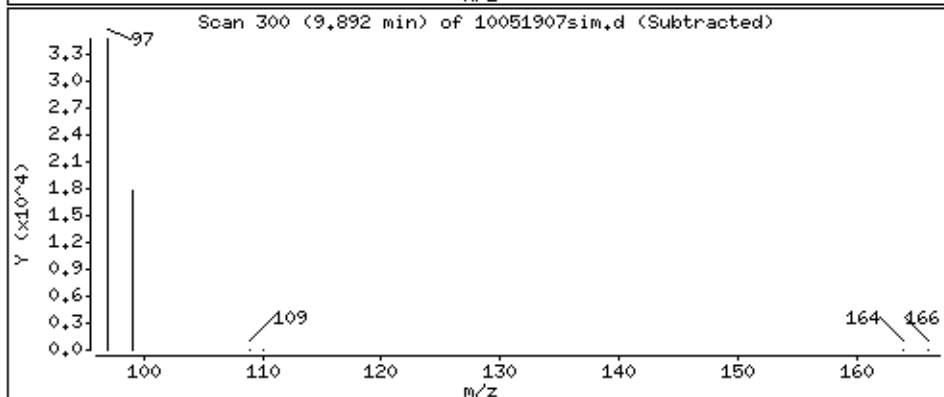
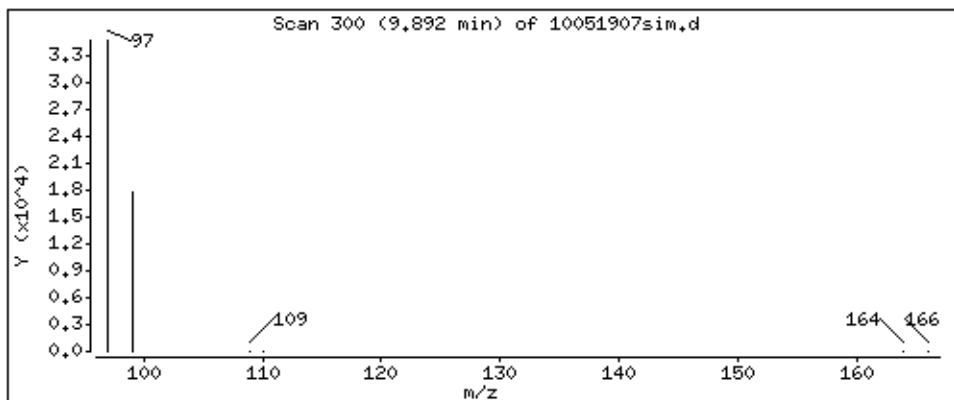
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

30 1,1,2-Trichloroethane

Concentration: 5.31262 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

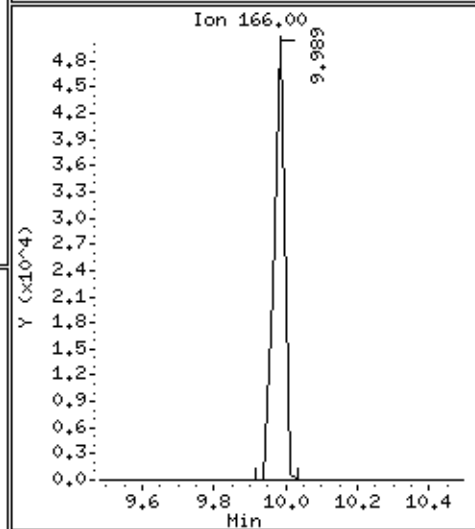
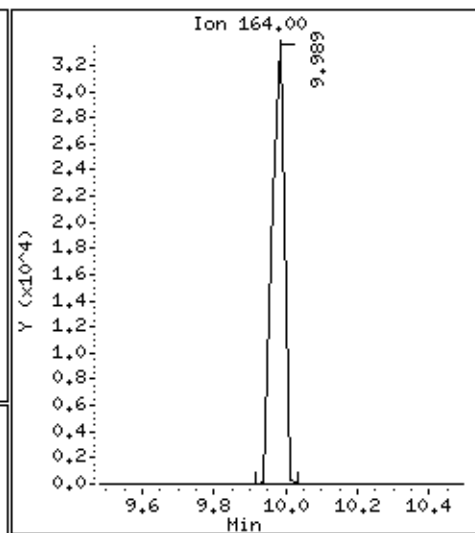
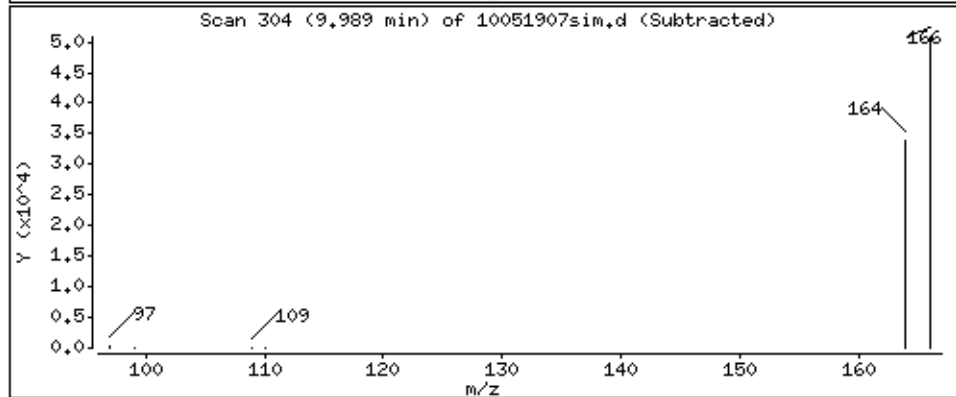
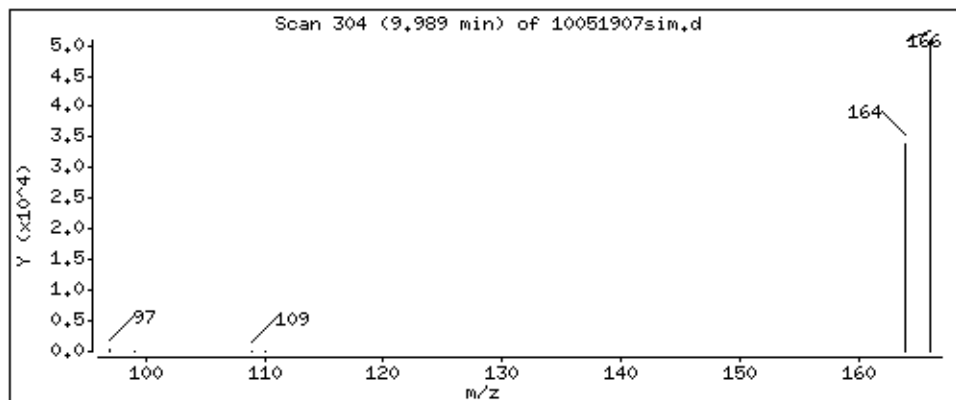
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

31 Tetrachloroethene

Concentration: 5.25323 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

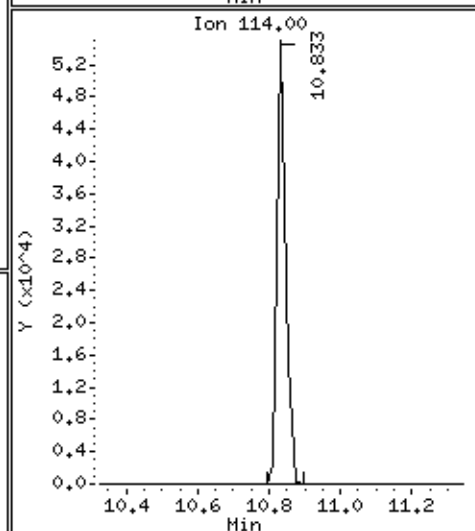
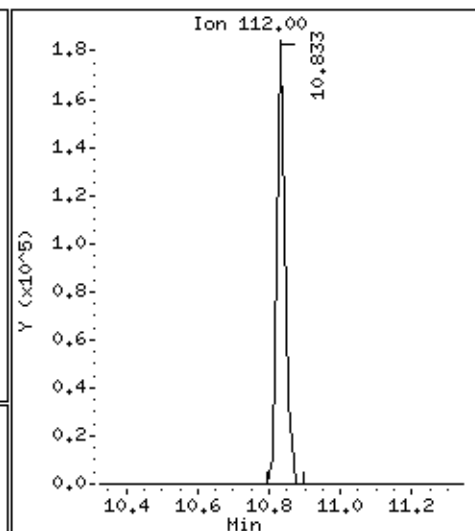
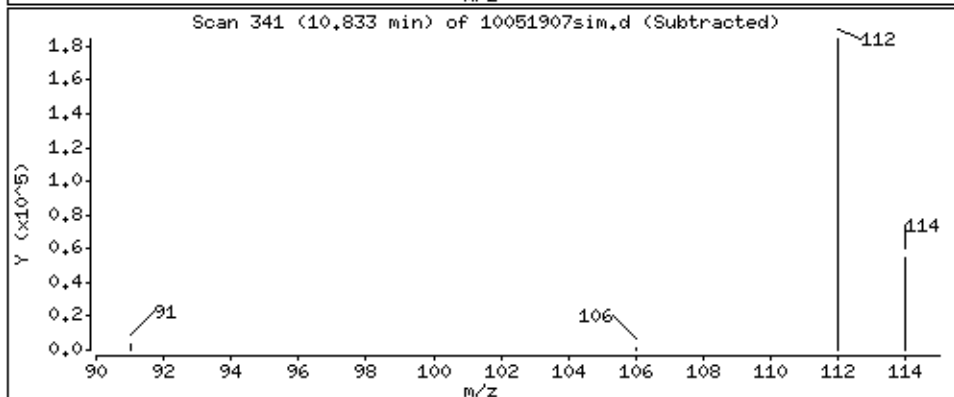
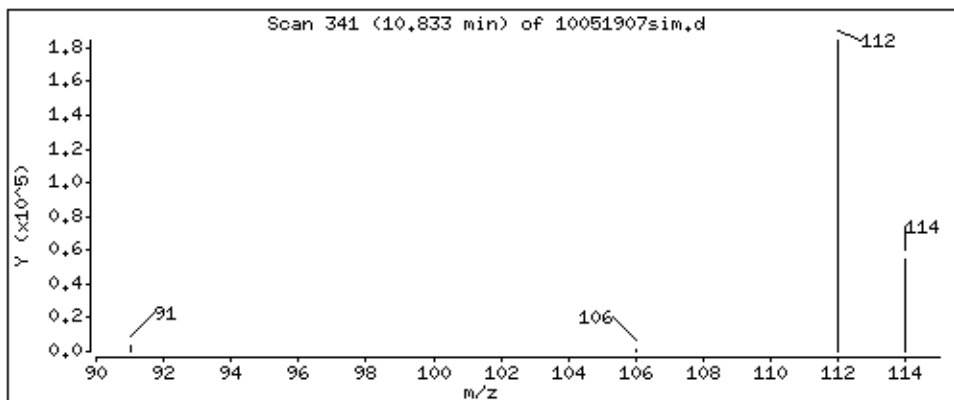
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

32 Chlorobenzene

Concentration: 4.94251 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

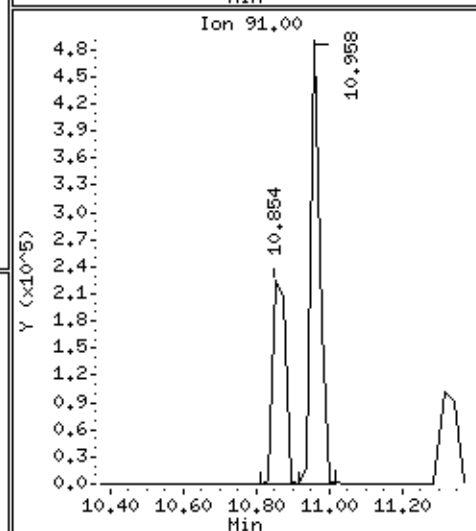
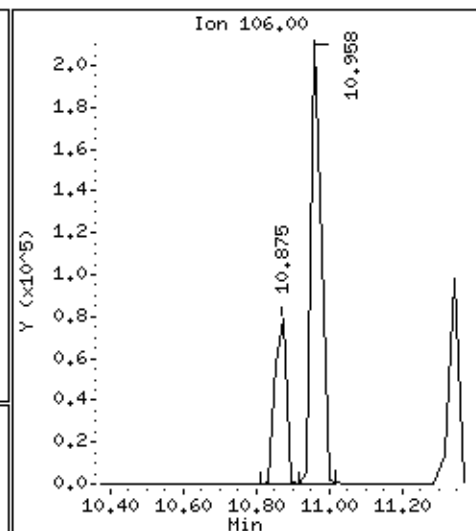
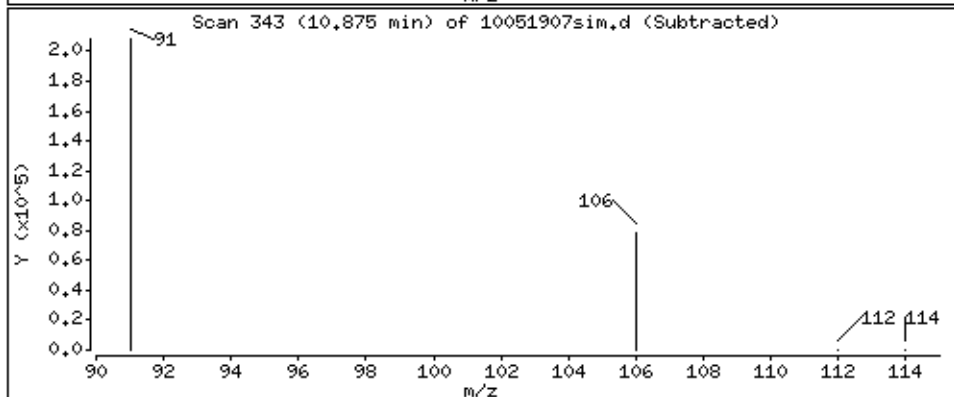
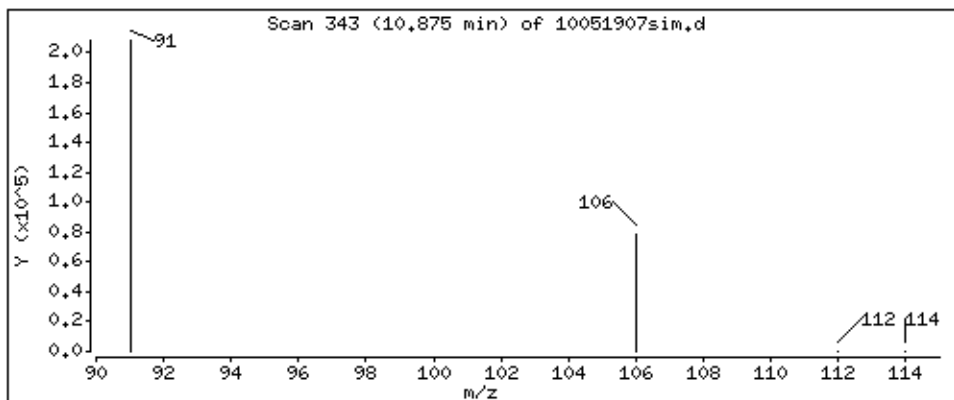
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

33 Ethylbenzene-CCC

Concentration: 5.41352 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

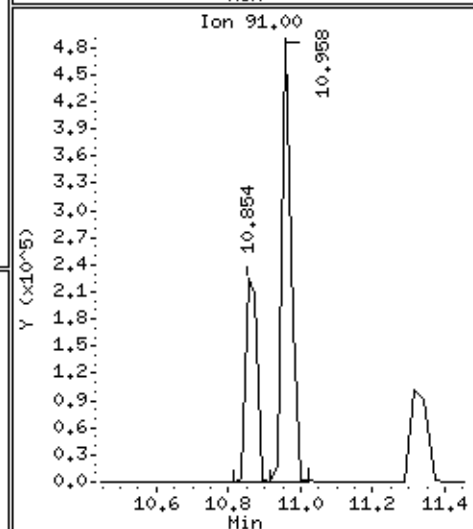
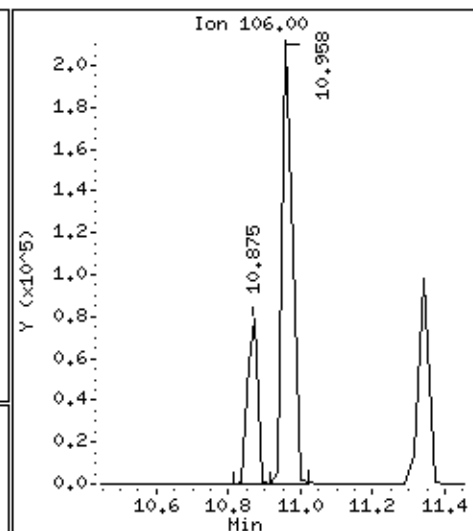
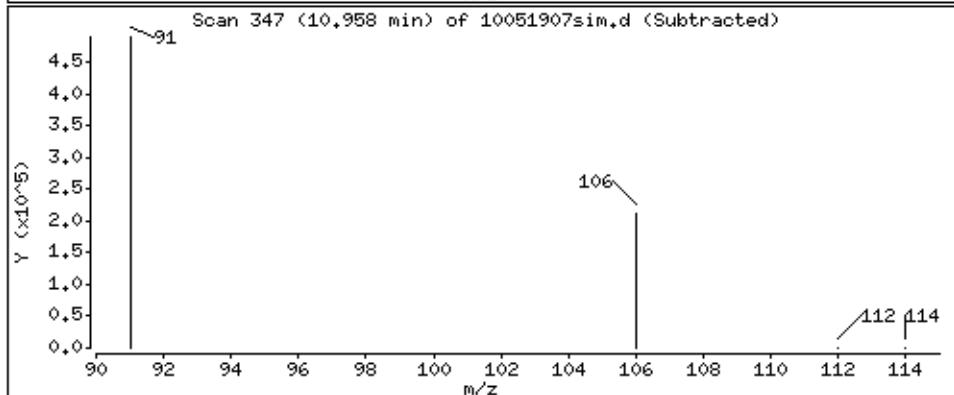
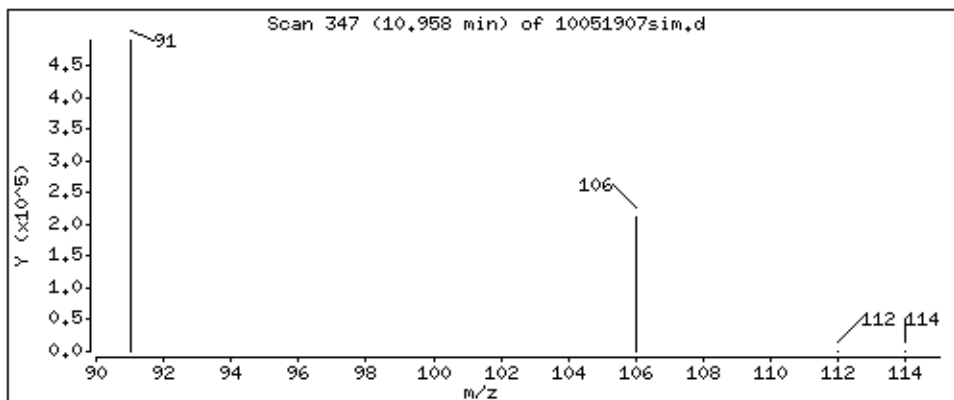
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

34 m,p-Xylene

Concentration: 10,6789 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

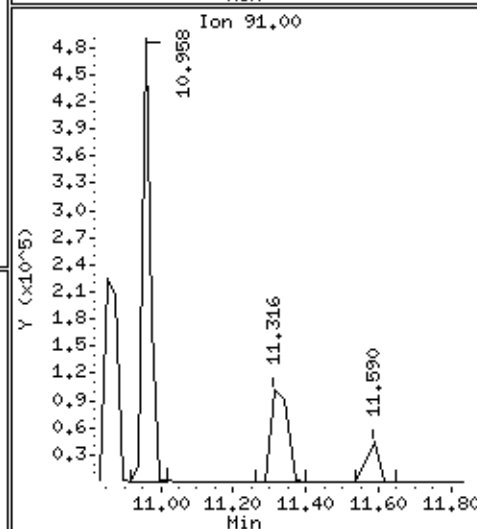
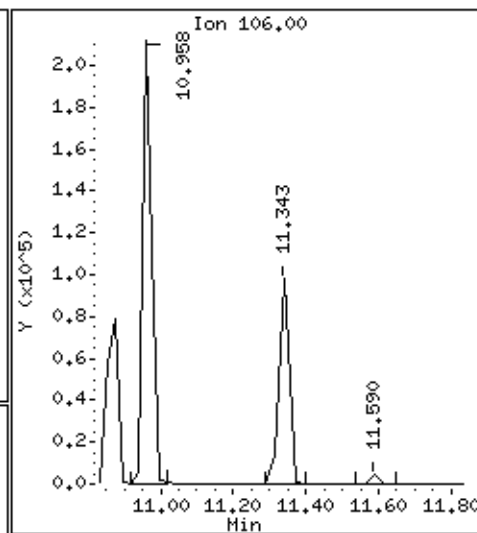
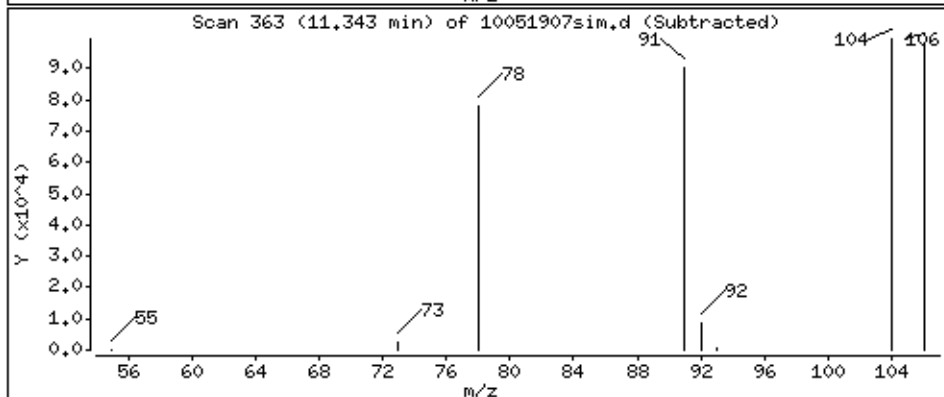
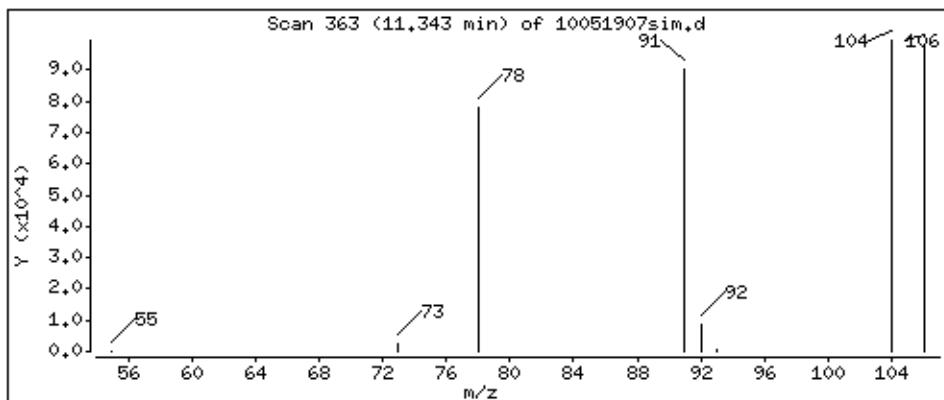
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

36 o-Xylene

Concentration: 4.72527 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

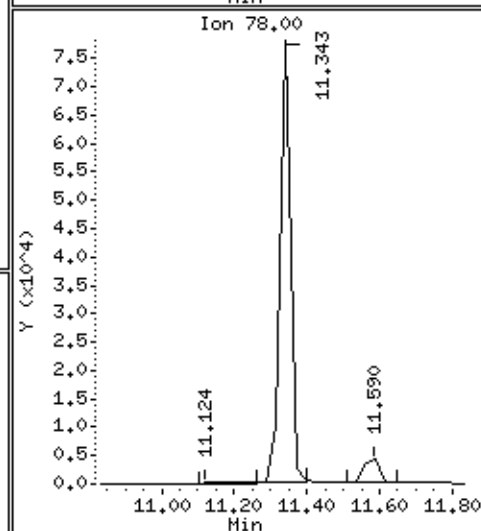
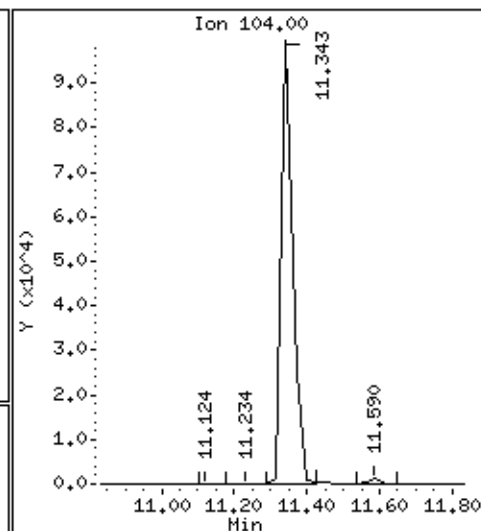
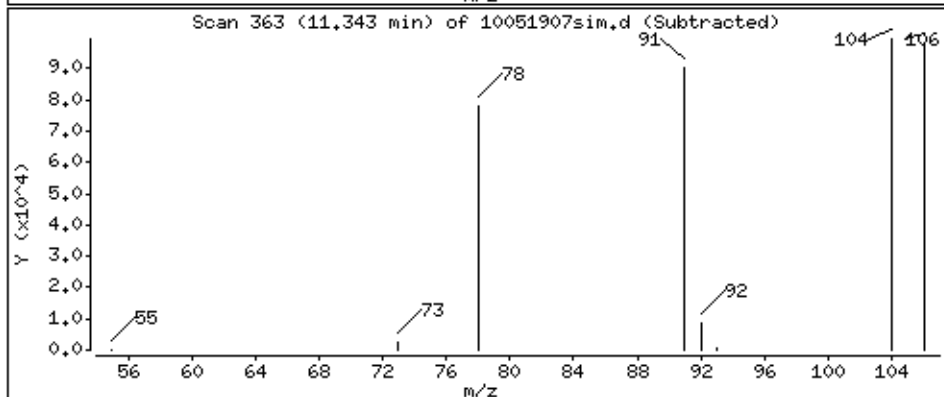
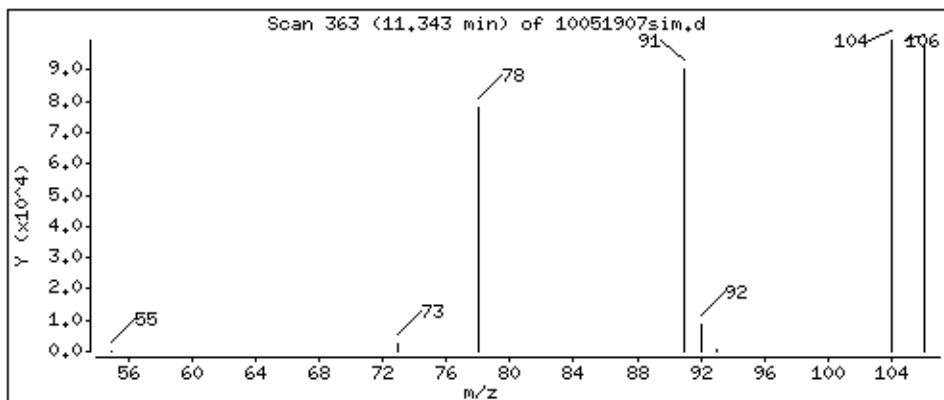
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

37 Styrene

Concentration: 4.30404 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

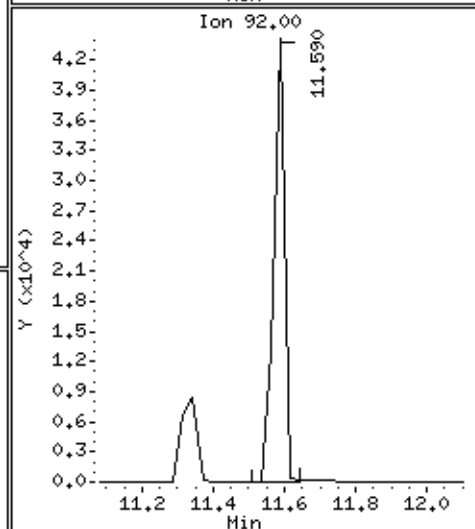
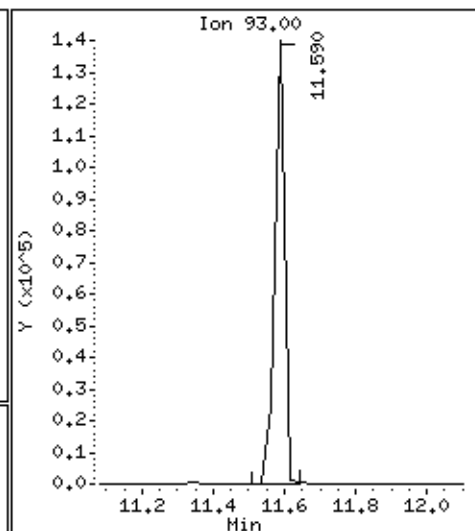
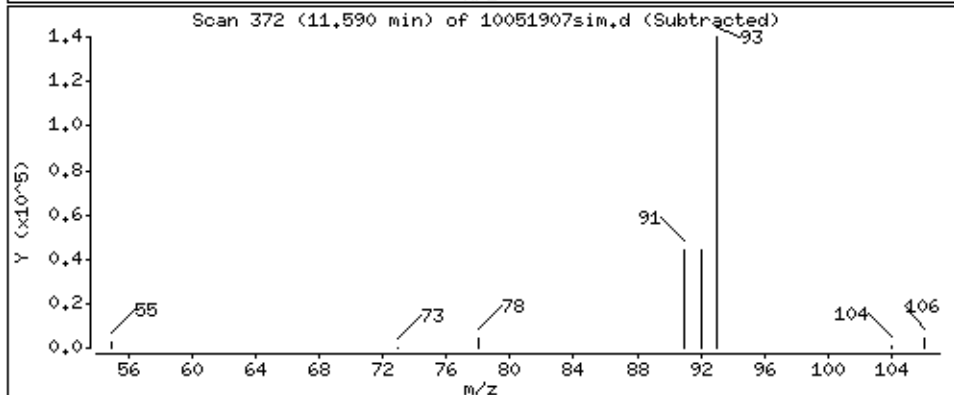
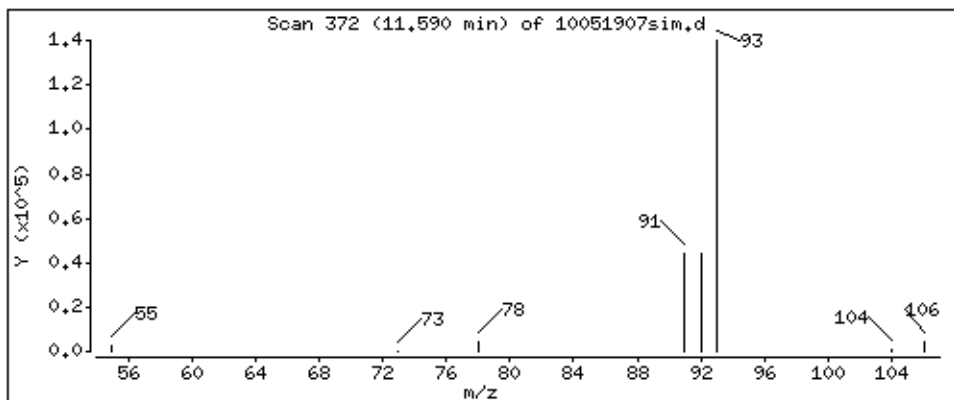
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

38 a-Pinene

Concentration: 6.06200 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

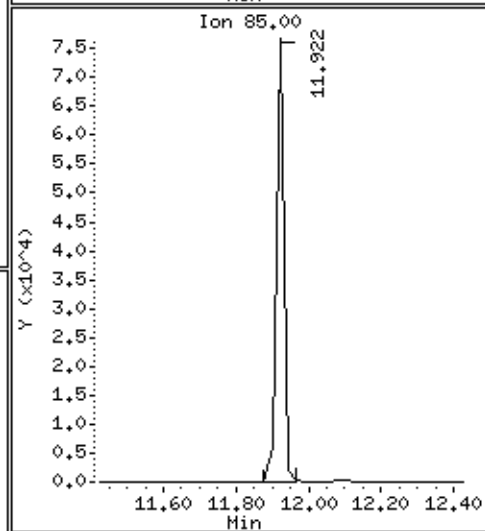
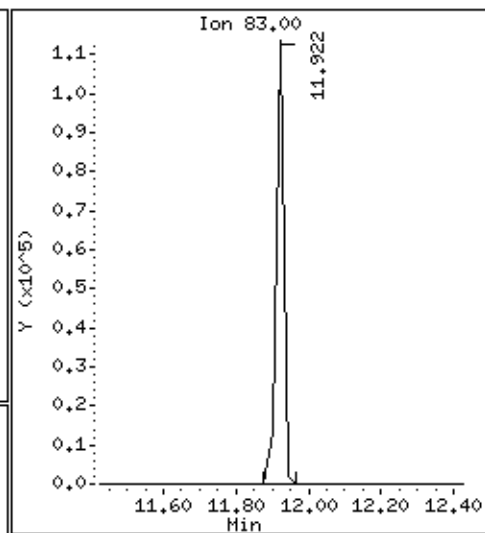
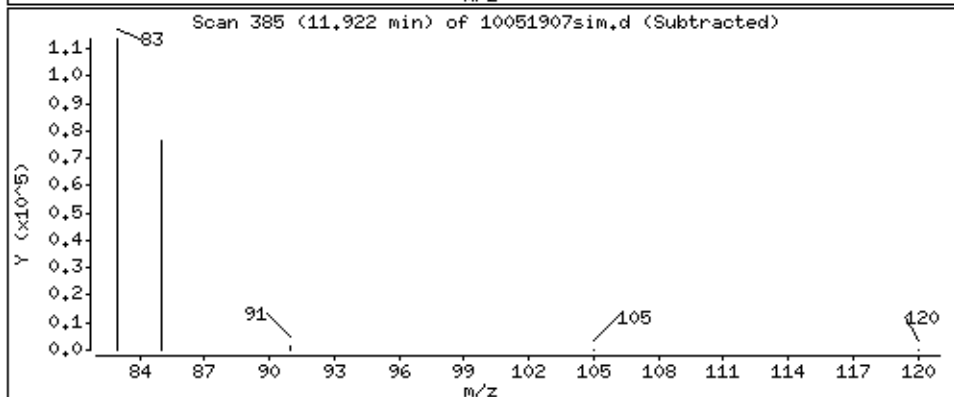
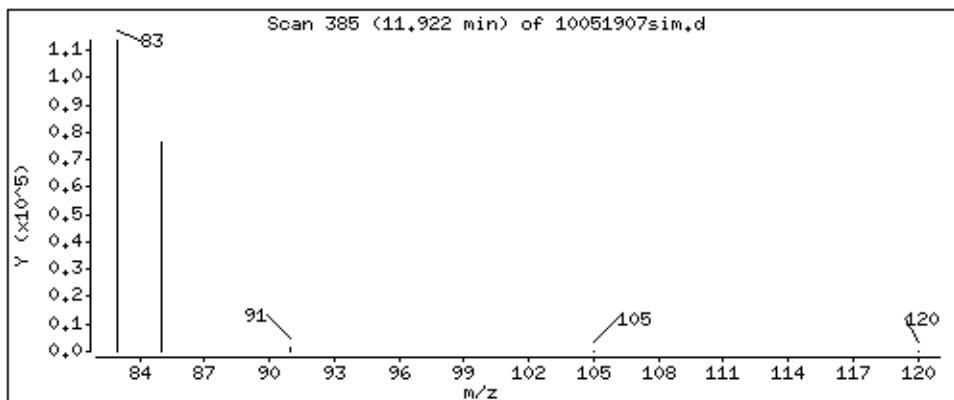
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

39 1,1,2,2-Tetrachloroethane-SPC

Concentration: 4.82391 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

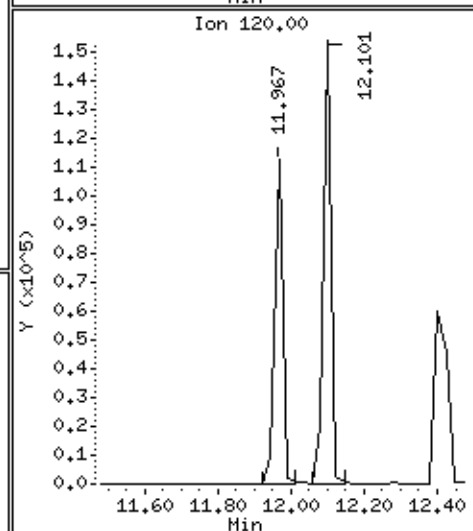
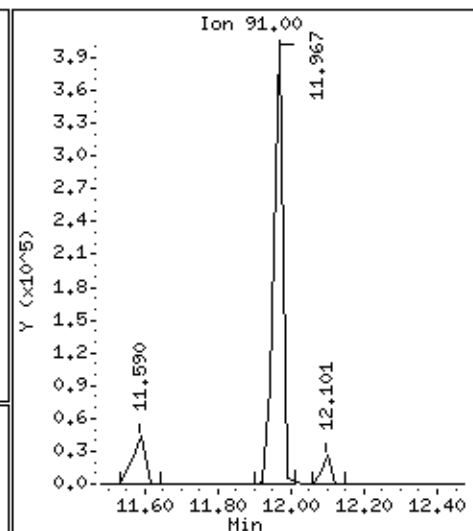
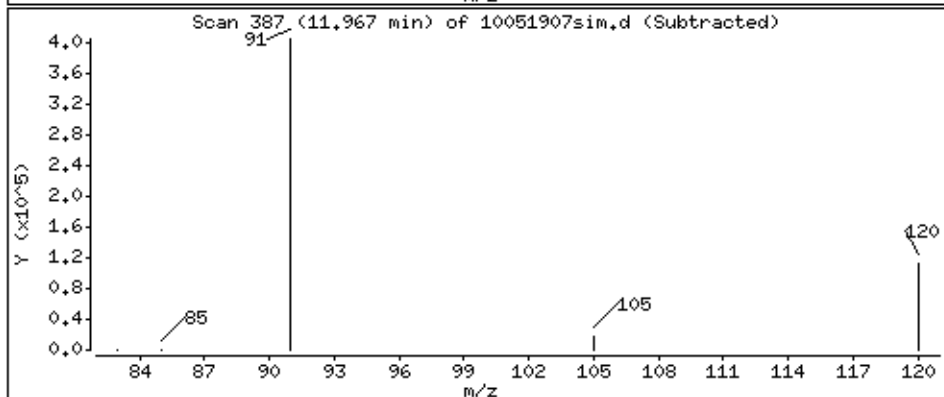
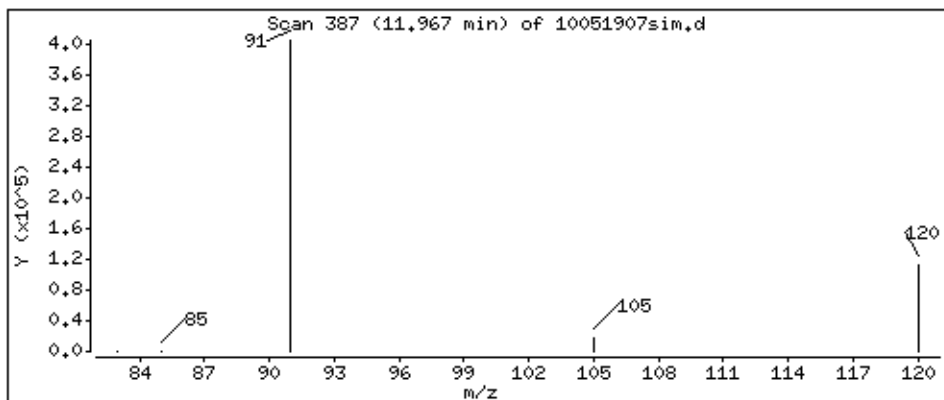
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

40 Propylbenzene

Concentration: 5.61931 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

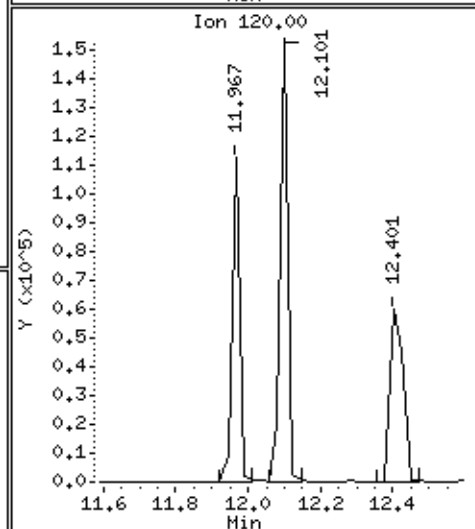
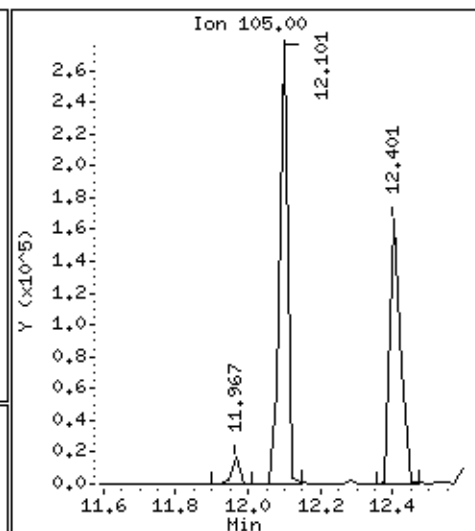
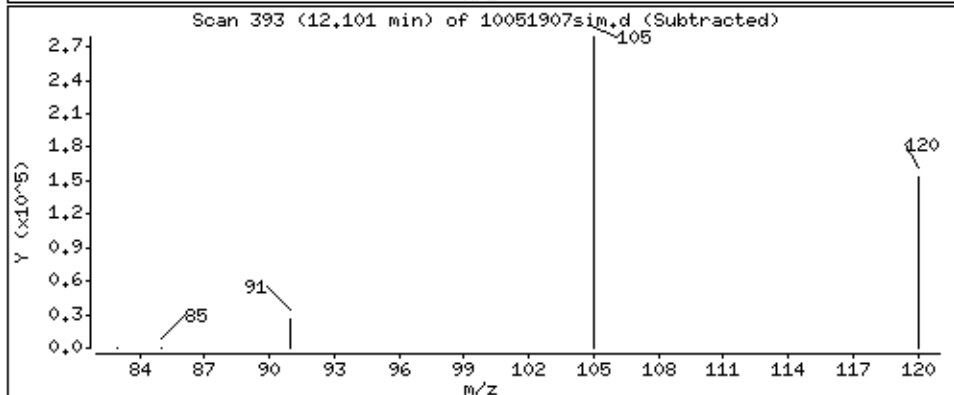
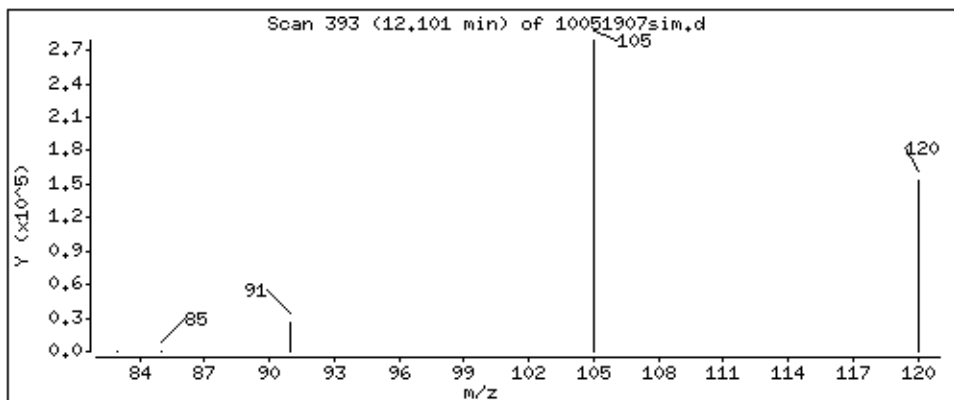
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

41 1,3,5-Trimethylbenzene

Concentration: 5.51539 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

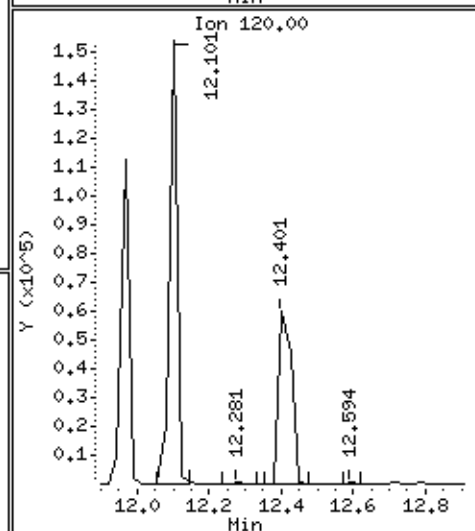
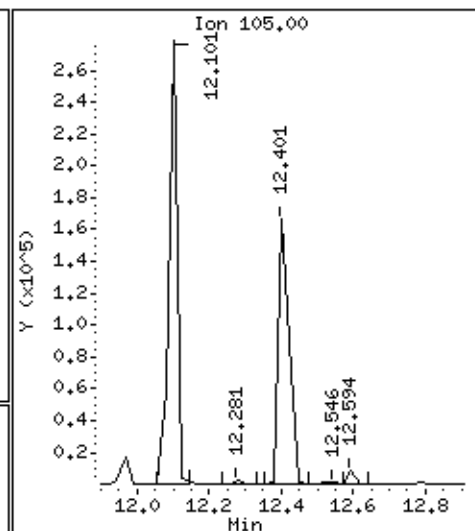
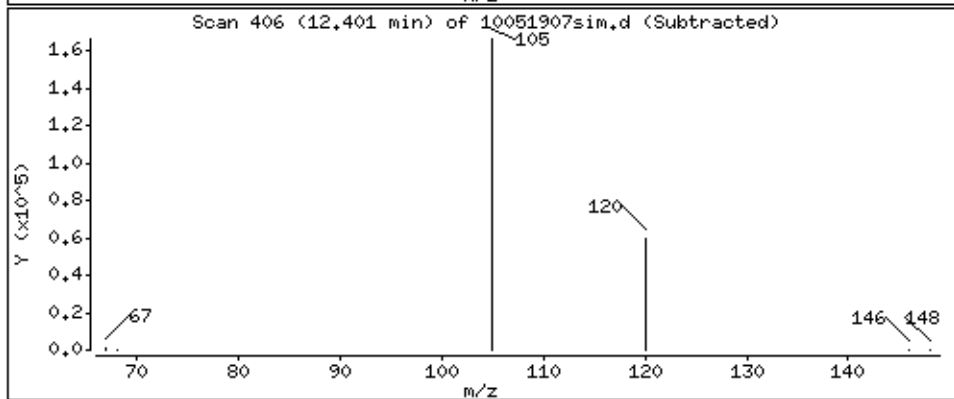
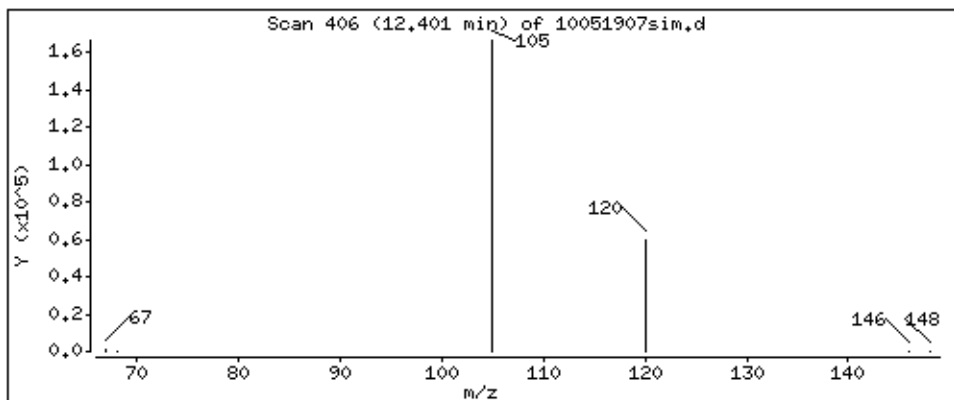
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

42 1,2,4-Trimethylbenzene

Concentration: 5.30268 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

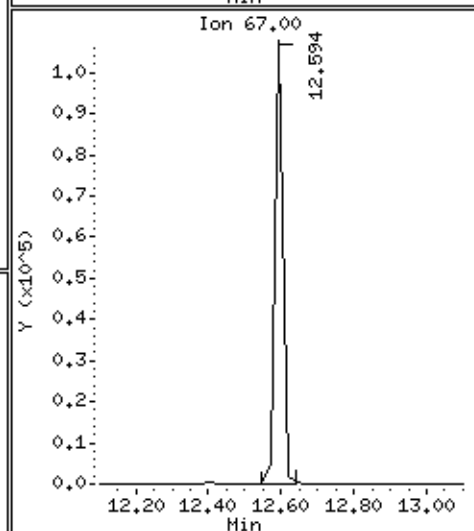
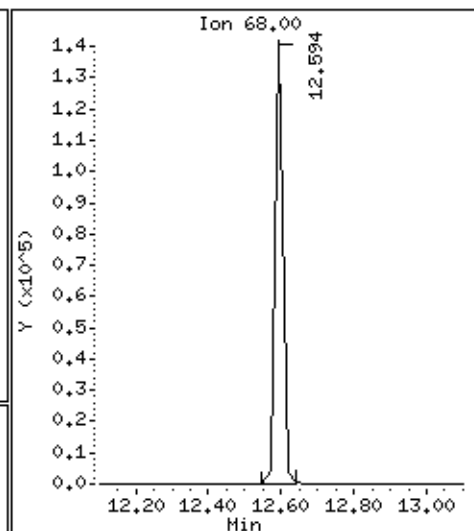
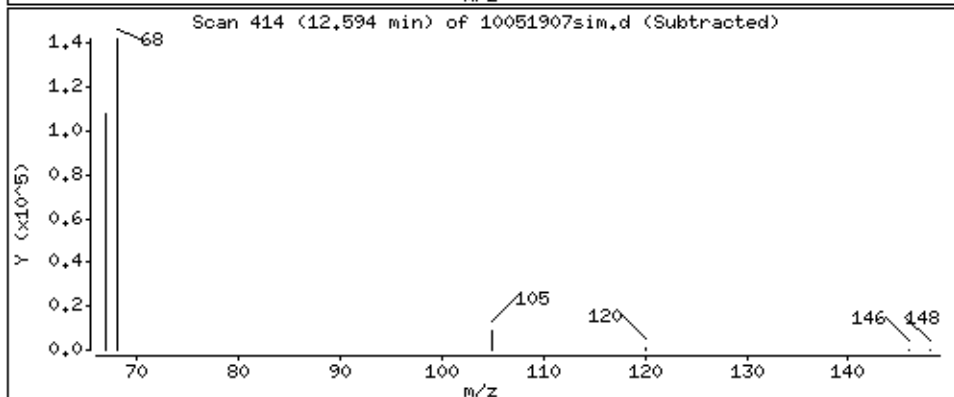
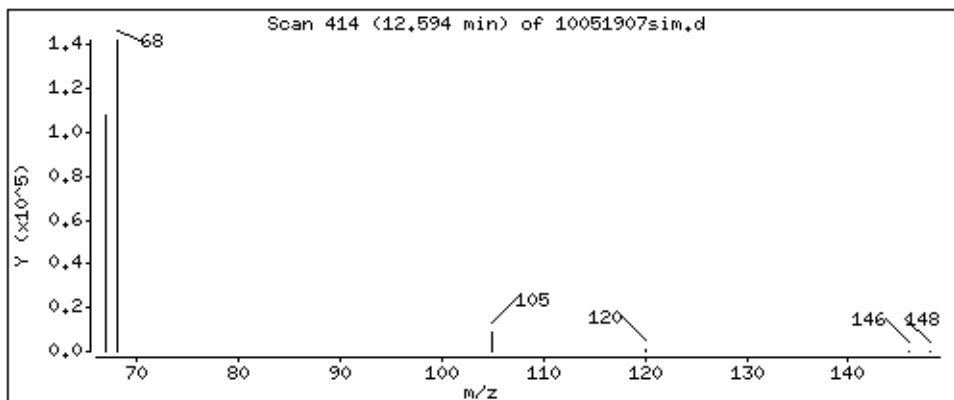
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

43 R-(+)-Limonene

Concentration: 5.76673 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

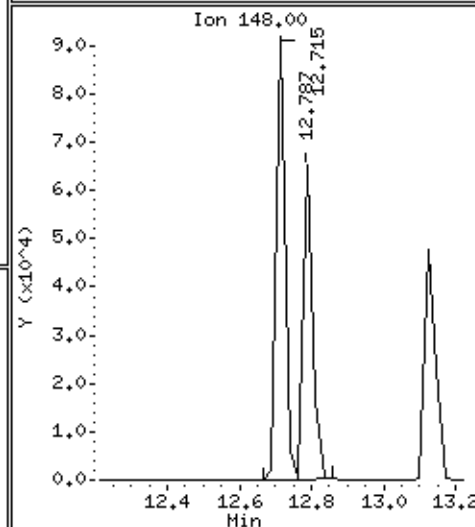
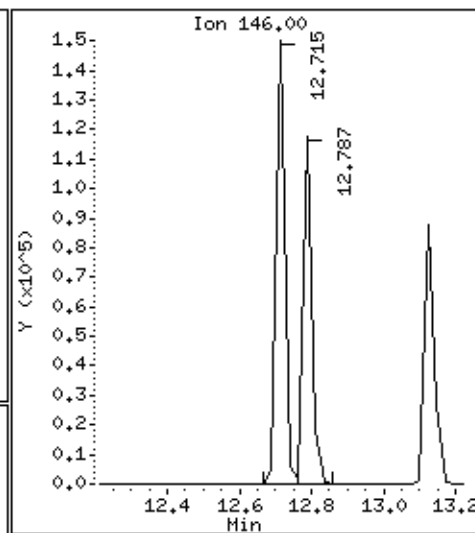
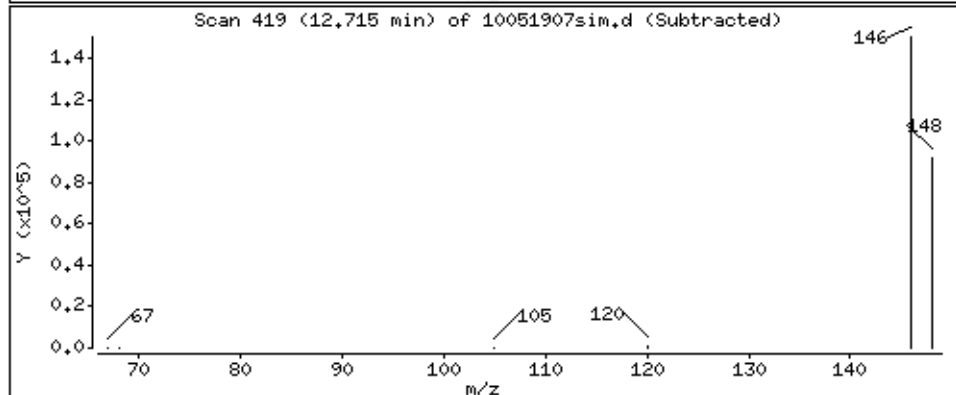
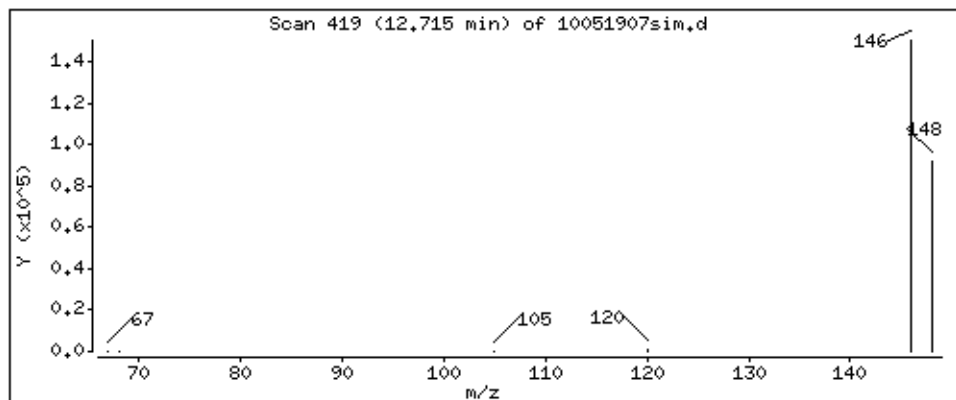
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

44 1,3-Dichlorobenzene

Concentration: 4.25483 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

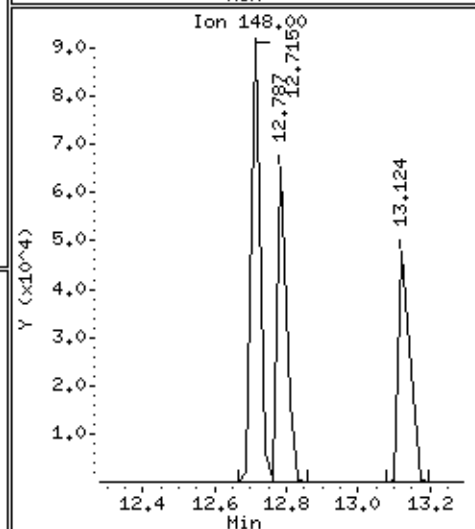
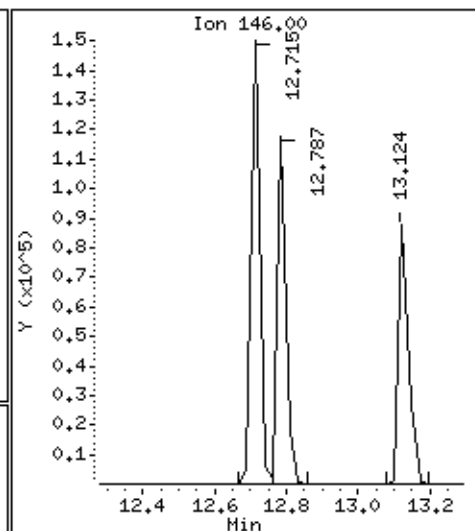
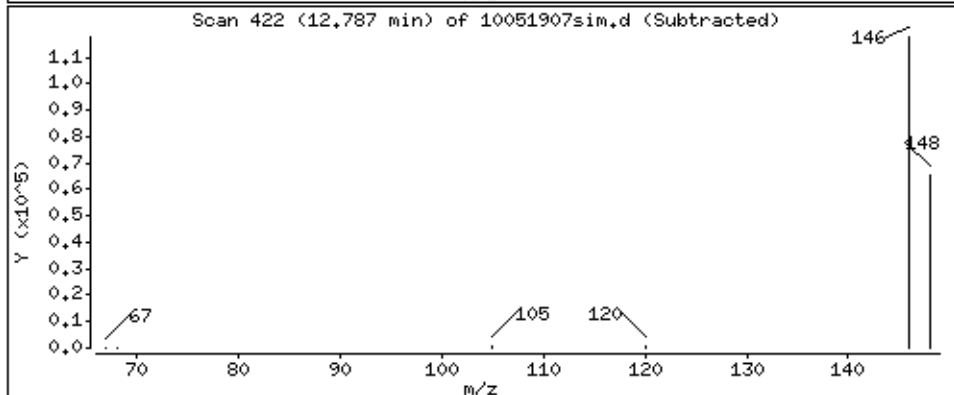
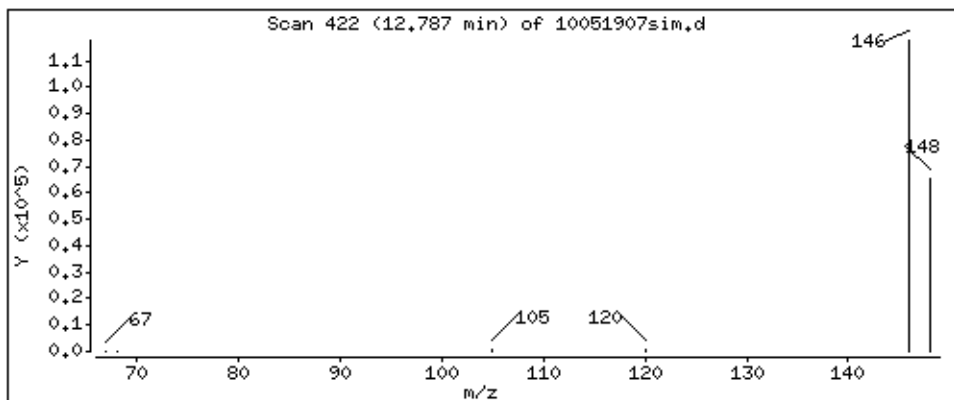
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

45 1,4-Dichlorobenzene

Concentration: 4.29043 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

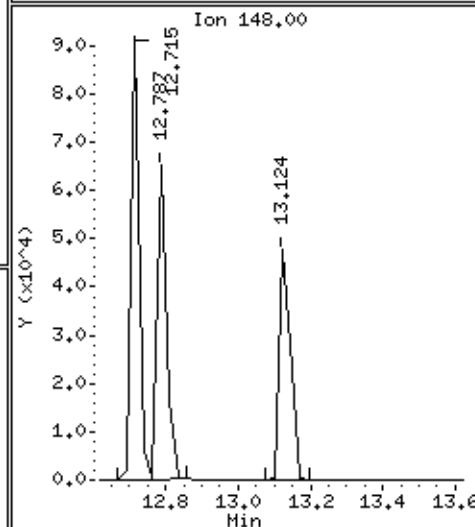
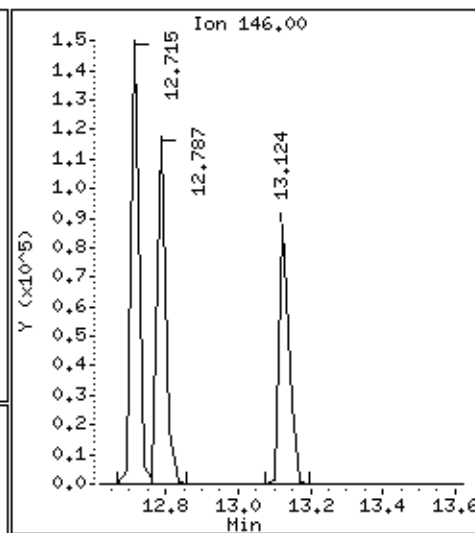
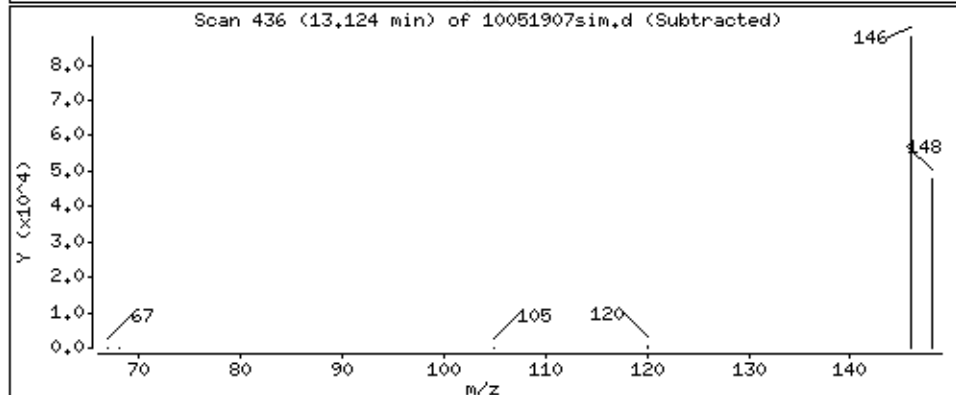
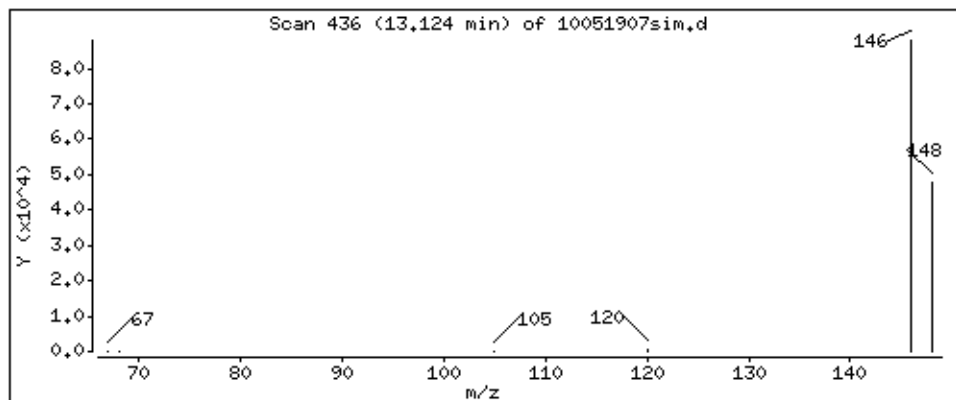
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

46 1,2-Dichlorobenzene

Concentration: 4.01774 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

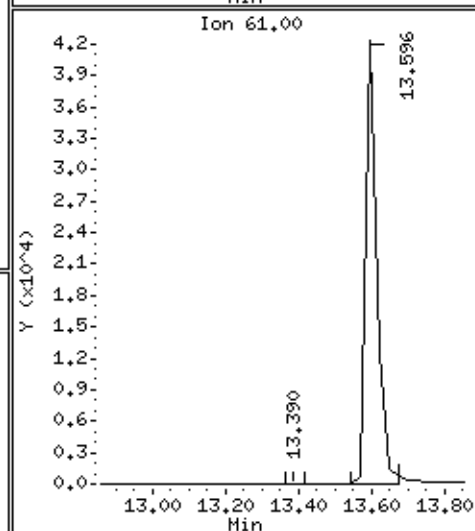
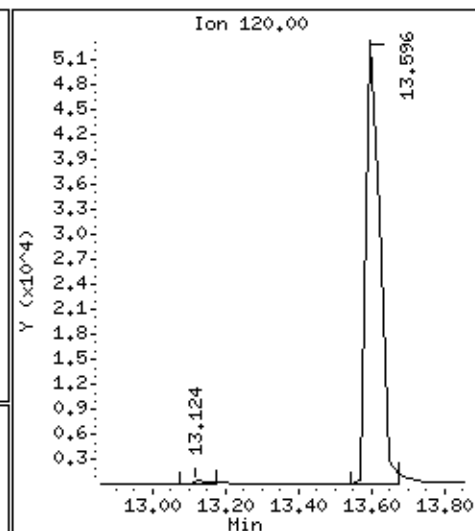
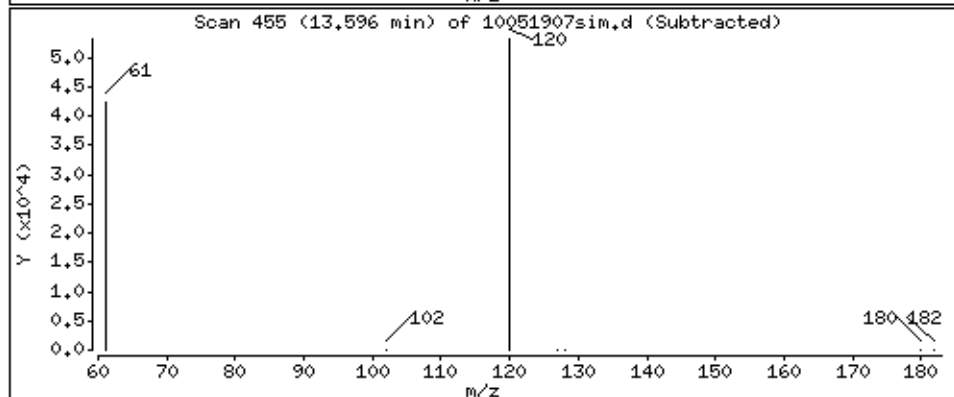
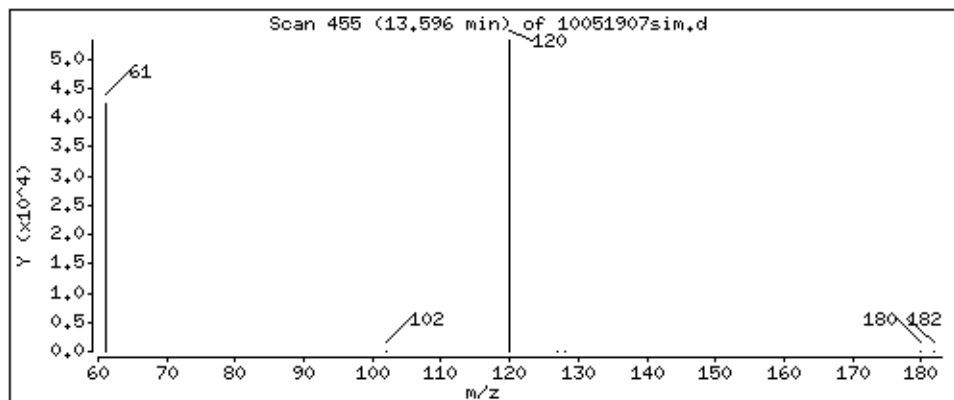
Volume Injected (uL): 1.0

Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

47 1,4-Dithiane



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

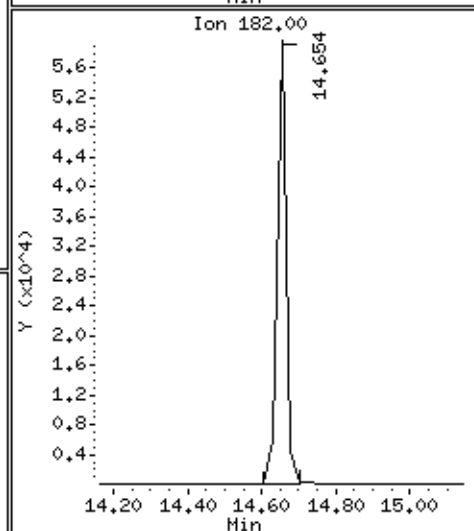
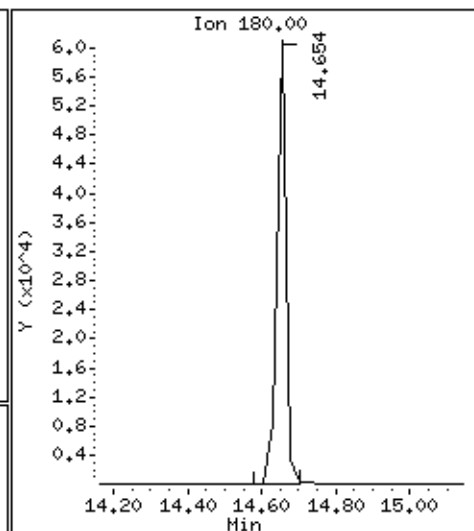
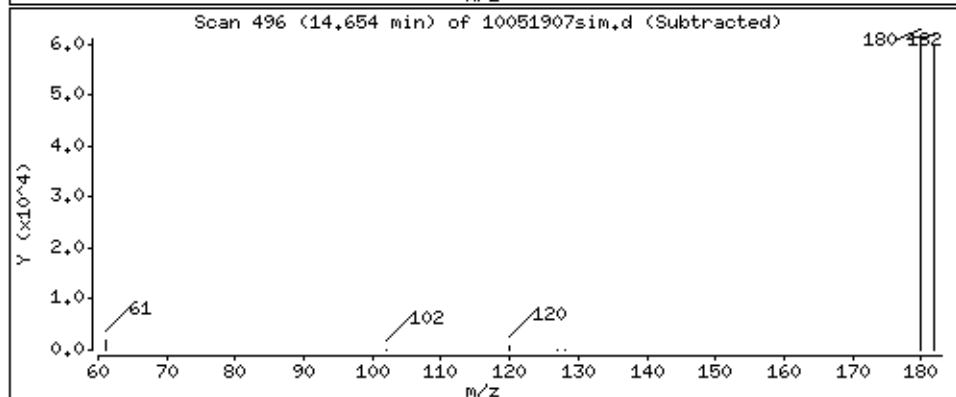
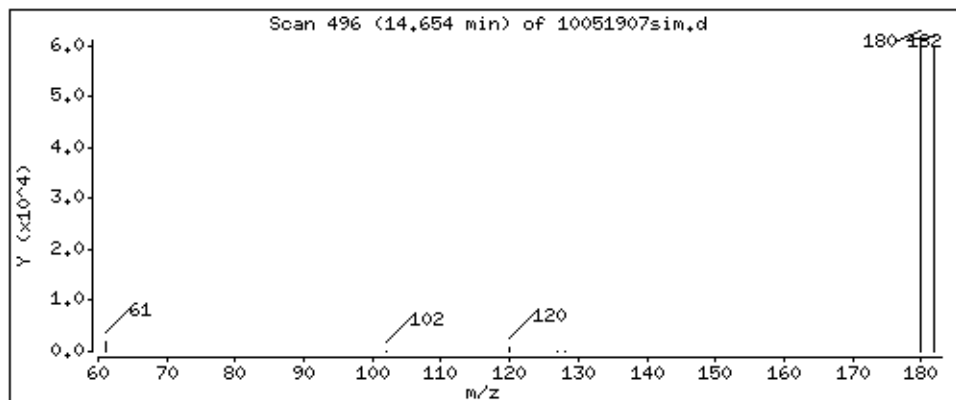
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

48 1,2,4-Trichlorobenzene

Concentration: 3.44800 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

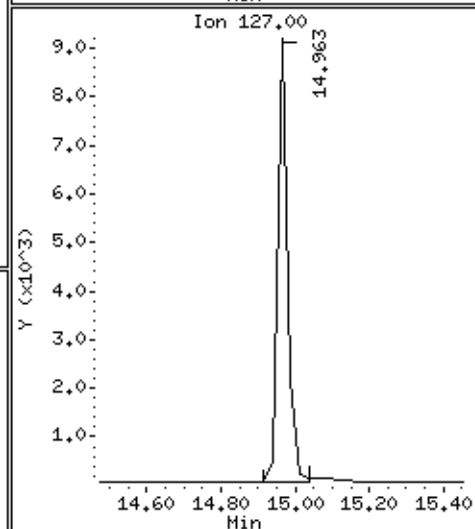
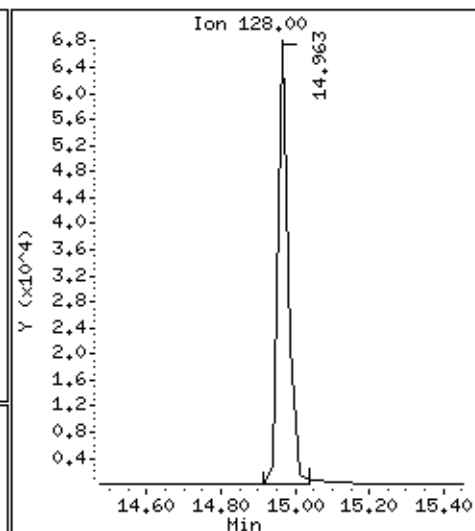
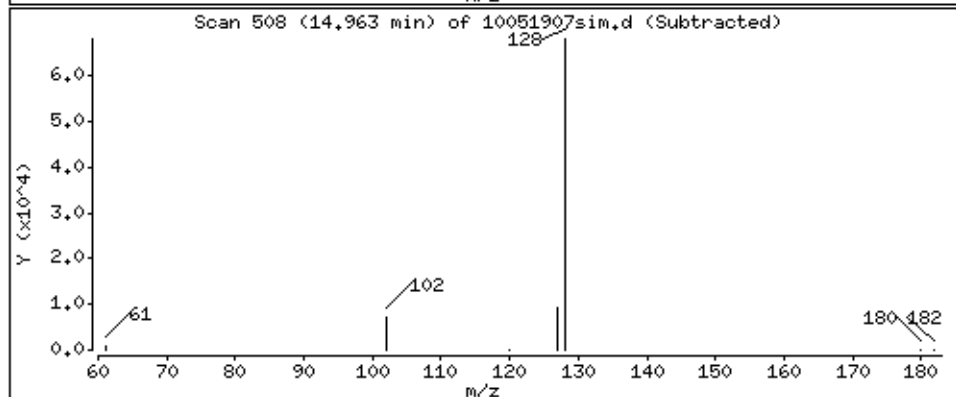
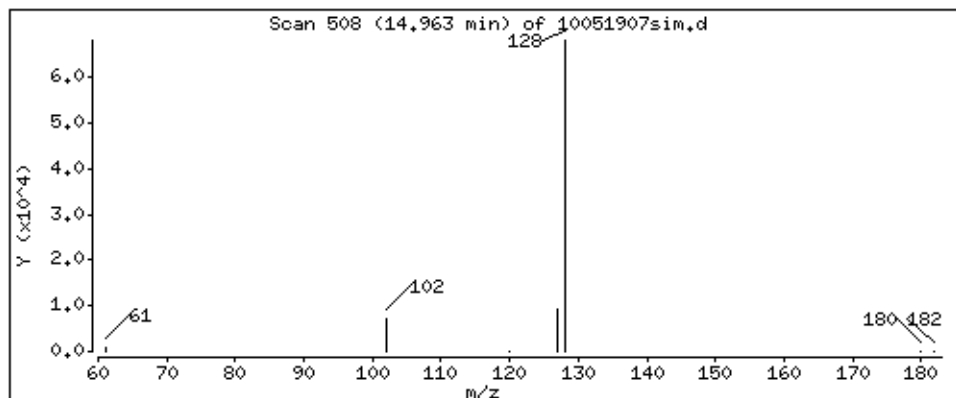
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

49 Naphthalene

Concentration: 1.55298 ug



Date : 19-MAY-2011 12:39

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1105031A;LCSD

Volume Injected (uL): 1.0

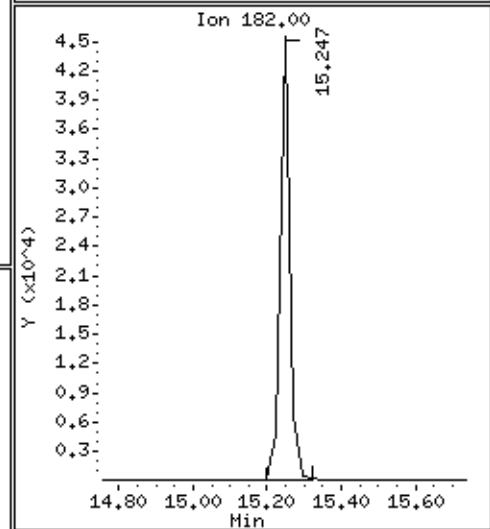
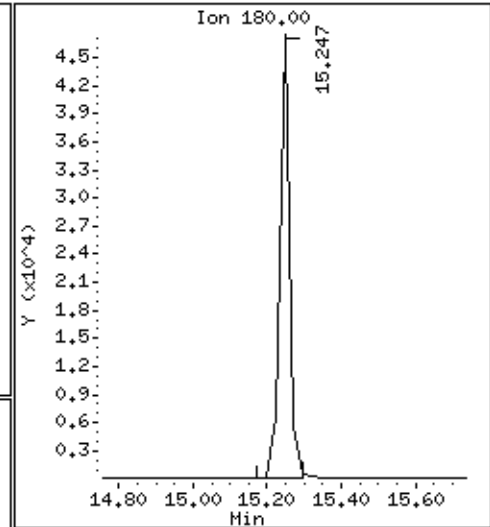
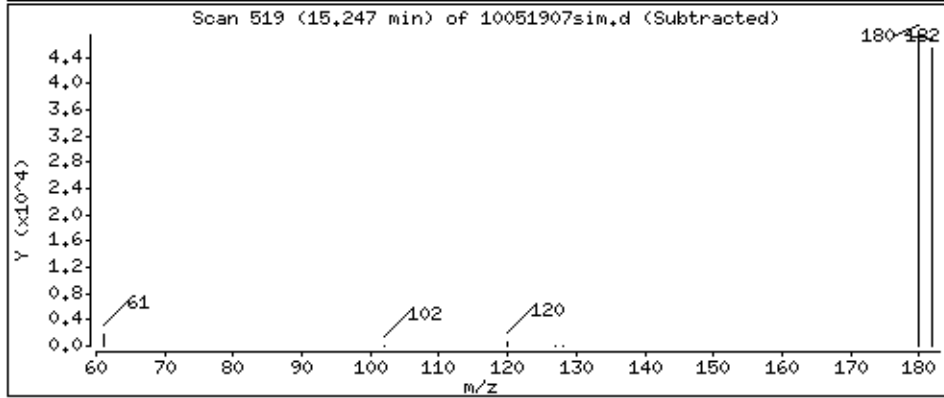
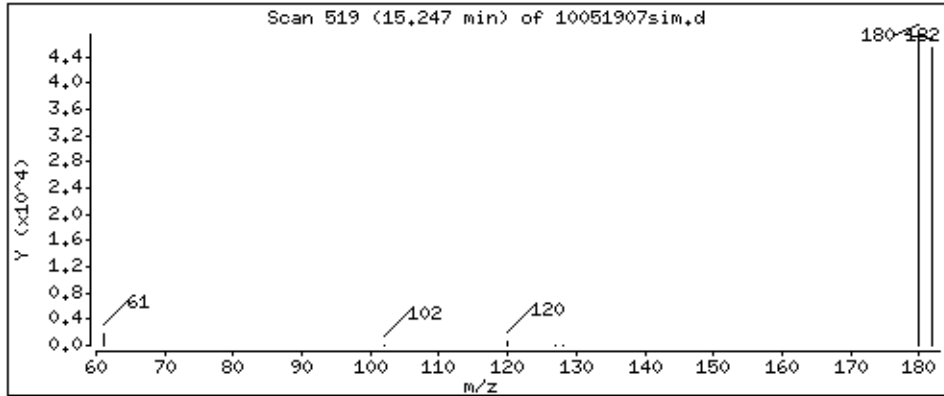
Operator: LZ

Column phase: DB-5.625

Column diameter: 0.25

50 1,2,3-Trichlorobenzene

Concentration: 2.81748 ug



ATL Application Sample Preparation logbook

Logbook#:2158

ATL Work Order # 1104614/1105170/1105031ASolvent: CS₂Lot #: 50335ATL GC/GCMS Application # 52Spike I.D.: * 1476-1961-1000** 1869-98A-500Exp.: 7/12/11Date Prepared 5/19/11N2/Zero Air NAMatrix type WMS TDSpike Witness CuIS + Surr ID 1869-121F-125Exp.: 11/01/11

ATL Fraction	Clients I.D. #	Sample Weight or Cartridge type & size	Final Volume (mL)	Spike Amount (μL or mL)	IS +Surr (μL)	Comments
1104614/1105170 Lab Blank	NA	WMS-TD 1103-CB-R-10	1.0	NA	40.0	Fab Date 3/17/11
LCS			-17	10**/5		
LCSD			-18	↓		
1104614-01A	2011-05 (Header pipe)	M07		NA		09/06/10
1105170-01A	Header pipe	M10				
1105031A-01A	1105170-01A-SL118	WMS-SE M69				Fab Date 09/06/10 Lot # 6593
-02A	PSS-SL118	WMS-SE AP-170211 -4/32"-1				
-03A	1A-SL022	M68				Fab Date 09/06/10 Lot # 6593
-04A	1A-SL084	M99				
-05A	HPV-118-1	M73				
-07A	PSS-L084	WMS-SE AP-170211 -4/32"-3				
-08A	HPV-084-1	M72				Fab Date 09/06/10 Lot # 6593
-09A	PSS-SL022	AP-170211 -4/32"-2				
-11A	HPV-022-1	M74				Fab Date 09/06/10 Lot # 6593
-13A	Trip Blank A1	AP-170211 -4/32"-4				
-14A	1 B1	M100				Fab Date 09/06/10 Lot # 6593
Procedure: Lab Blank	NA	WMS-SE				Lot # 6593
1105031A LCS	NA					

Procedure for WMS Extraction

- De-Crimp and place sorbent contains carbopark B into the 2mL sample vial;
- Add 40uL of a internal standard and surrogate STD mix (1869-121F-125) to all samples, lab Blank, LCS and LCSD.
- Add spike standard (1869-98A-500, 10uL; 1476-1961, 5uL) to LCS and LCSD
- Add 1mL Carbon Disulfide to all samples, Lab Blank, LCS and LCSD, cap the vial and shake for 30 minutes.
- Analyze them.

BFB Injection Date: 5/19/11
 BFB Injection Time: 0915
 BFB File ID: 10051901

IS/S Std.#: 1869-121F-125 Exp. Date: 11/01/11
 2-Fluorotoluene 91m 385421

Calculation Check:

µg/L of compound

$$= \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} \times \text{DF} = \frac{(65160)}{(283816)} \times \frac{(5.0)}{(0.24170)} \times 1 = 4.745$$

Verified CCV IS vs ICAL mid-point (-50% to +100% D) W
 initials

File ID: 1005190491mCompound: TCZInitials: WReported Result 4.745

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	10051901	1476-1562-BFB	1	1.00	5/19/11	0915	W	
2	✓	2	1869-179-5 cc✓	2			0935		
3	X	3	1104614/1105170-LCS	3			1110		25L
4	✓	4	-LCSD	4			1132		
5	✓	5	-LCS	5			1154		
6	✓	6	1105031A - LCS	6			1217		
7	✓	7	-LCSD	6			1239		
8	✓	8	1105351 - LCS	7			1301		
9	✓	9	-LCSD	7			1324		
10	✓	10	-Lab BLK	8			1346		
11	X	11	1105031A - Lab BLK	9			1409		Naph↑
12	X	12	1104614/1105170-Lab BLK	10			1431		Naph↑
13	✓	13	1105031A - Lab BLK	9			1454		

Signed

5/19/11
Date

Reviewed

5/20/11
Date

Revision 12/2010

BFB Injection Date: 5/19/11
 BFB Injection Time: 1545
 BFB File ID: 10051915

IS/S Std.#: 1869-1217-125 Exp. Date: 11/01/11
 2-Fluorotoluene sim 393119

Verified CCV IS vs ICAL mid-point (-50% to +100% D) L
 initials

Calculation Check:

$$\mu\text{g/L of compound} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} \times \text{DF} = \frac{(780323)}{(393119)} \times \frac{(5.0)}{(0.21058)} \times 1 = 4.713$$

File ID: 10051916 sim
 Compound: PCE
 Initials: L

Reported Result 4.713

Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1 ✓	10051915	1476-1562 - BFB	1	1.00	5/19/11	1545	L	
2 ✓	16	1869-179-5 ccv	2			1600		
3 X	17	CS ₂ Blank	3			1623		
4 X	18		4			1647		
5 ✓	19		4			1709		
6 ✓	20	1104614 - 01A	5			1747		
7 ✓	21	1105170 - 01A	6			1809		
8 ✓	22	1105031A - 01A	7			1831		
9 ✓	23	-03A	8			1854		
10 ✓	24	-04A	9			1916		
11 ✓	25	-13A	10			1938		
12 ✓	26	-14A	11			2001		
13 ✓	27	-02A	12			2023		

Signed L

Date 5/19/11

Reviewed L

Date 5/20/11

Revision 12/2010

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14	✓	10051928	1105031A-05A	13	1.00	5/19/11	2045	W	
15	✓	29	-07A	14			2108		
16	✓	30	-08A	15			2130		
17	✓	31	-10A	16			2153		
18	✓	32	-11A	17			2215		
19	✓	33	1105351-01A	18			2237		
20	✓	34	-02A	19			2300		
21	✓	35	-03A	20			2322		
22	✓	36	-04A	21			2344		
23	✓	37	-05A	22		5/20/11	0007		
24	✓	38	-06A	23			0029		
25	✓	39	-07A	24			0051		
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									

Comments:

5/19/2011

Signed

5/19/11
Date

Reviewed

5/20/11
Date

Revision 12/2010

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BFB Injection Date: 5/20/11
 BFB Injection Time: 0856
 BFB File ID: 10052001

IS/S Std.#: 1869-121F-125 Exp. Date: 11/01/11
 2-Fluorotoluene Sim: 304814

Verified CCV IS vs ICAL mid-point (-50% to +100% D) W

initials W 5/20/11

Calculation Check:

$$\mu\text{g/L of compound} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} \times \text{DF} = \frac{(167524)}{(422965)} \times \frac{(5.0)}{(0.37493)} \times 2 = 10.56$$

File ID: 100520038M
 Compound: Chloroform
 Initials: W

Reported Result 10.56

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	10052001	1476-1562-BFB	1	1.00	5/20/11	0856	W	
2	✓	2	1869-1640-5 CCV	2			0912		
3	✓	3	11052911366-LCS	3			1027		
4	✓	4	-LCS D	4			1053		
5	✓	5	-Lab Bk	5			1117		
6	✓	6	1105291-01A	6			1159		
7	✓	7	-02A	7			1221		
8	X	8	1105031A-07A	8	10.00		1245		over diluted.
9	✓	9	1105291-03A	9	1.00		1307		
10	✓	10	1-04A	10			1330		
11	✓	11	1105031A-07A	8	5.00		1352		
12	✓	12	1105291-05A	11	1.00		1415		
13	✓	13	1-06A	12	1		1437		

Signed W

5/20/11
Date

Reviewed gm

5/23/11
Date

Revision 12/2010

Air Toxics Ltd.

Data file : /var/chem/msd10.i/17May2011.b/10051701.d

Lab Smp Id:Client Smp ID: BFB

Inj Date : 17-MAY-2011 10:30

Operator : LZInst ID: msd10.i

Smp Info : ;1476-1562;BFB

Misc Info :

Comment :

Method : /var/chem/msd10.i/17May2011.b/bfbr.m

Meth Date : 17-May-2011 10:32Quant Type: ESTD

Cal Date :Cal File:

Als bottle: 1QC Sample: BFB

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: all.sub

Target Version: 3.50Sample Matrix: WATER

Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd VariableLocal Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb						CAS #: 460-00-4			
6.440	6.490	-0.050	95	99373			100.00-	100.00	100.00
6.440	6.490	-0.050	50	21378			15.00-	40.00	21.51
6.440	6.490	-0.050	75	53474			30.00-	60.00	53.81
6.440	6.490	-0.050	96	6569			5.00-	9.00	6.61
6.440	6.490	-0.050	173	364			0.00-	2.00	0.54
6.440	6.490	-0.050	174	67101			50.00-	100.00	67.52
6.440	6.490	-0.050	175	4752			5.00-	9.00	7.08
6.440	6.490	-0.050	176	64618			95.00-	101.00	96.30
6.440	6.490	-0.050	177	4327			5.00-	9.00	6.70

Date : 17-MAY-2011 10:30

Client ID: BFB

Instrument: msd10.i

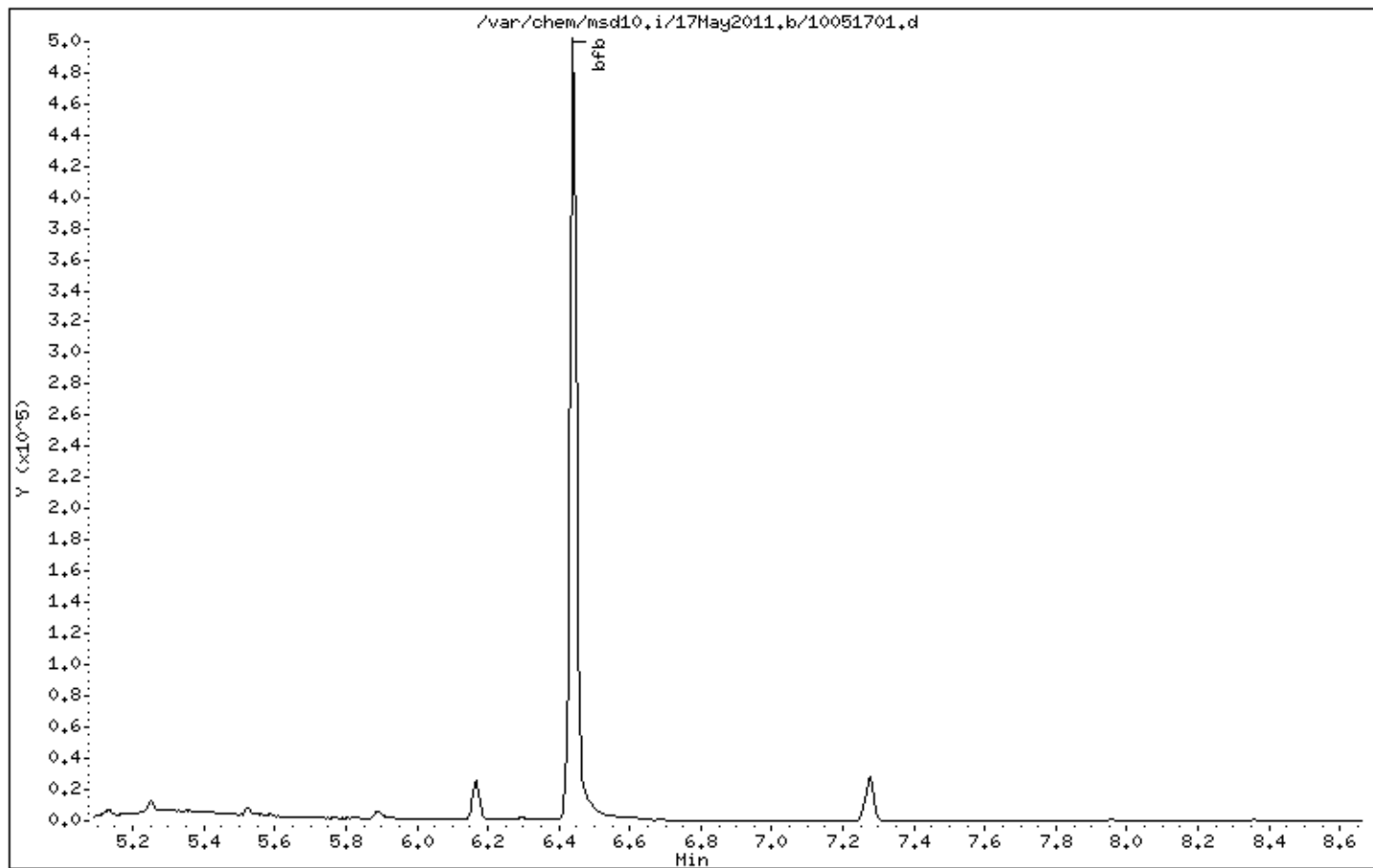
Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00



Date : 17-MAY-2011 10:30

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

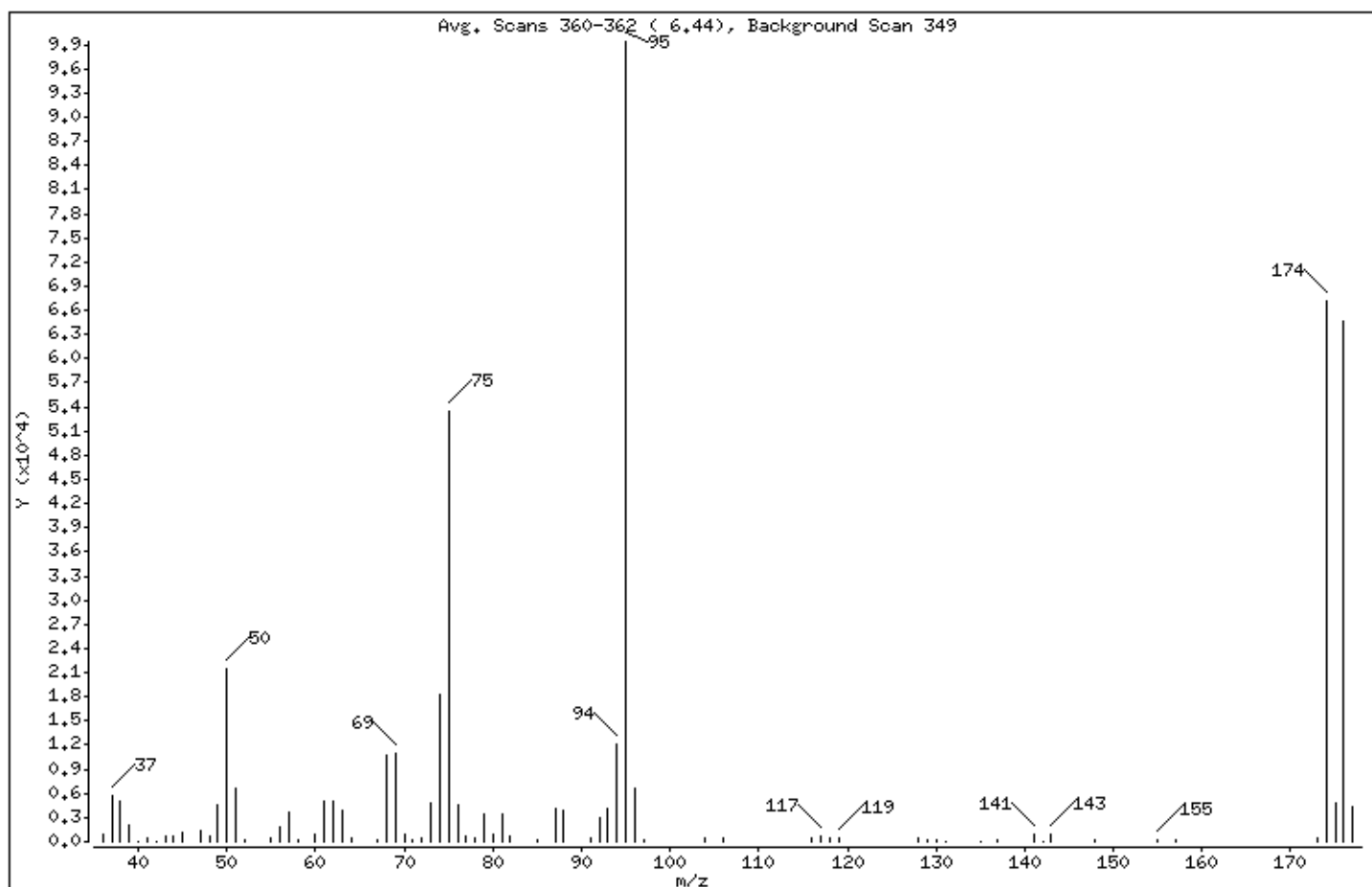
Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.51
75	30.00 - 60.00% of mass 95	53.81
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.37 (0.54)
174	50.00 - 100.00% of mass 95	67.52
175	5.00 - 9.00% of mass 174	4.78 (7.08)
176	95.00 - 101.00% of mass 174	65.03 (96.30)
177	5.00 - 9.00% of mass 176	4.35 (6.70)

Date : 17-MAY-2011 10:30

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

Data File: 10051701.d

Spectrum: Avg. Scans 360-362 (6.44), Background Scan 349

Location of Maximum: 95.00

Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1004	58.00	176	80.00	957	128.00	344
37.00	5627	60.00	919	81.00	3458	129.00	160
38.00	4986	61.00	5136	82.00	780	130.00	316
39.00	2099	62.00	5119	85.00	165	131.00	52
40.00	54	63.00	3948	87.00	4090	135.00	112
41.00	376	64.00	389	88.00	3850	137.00	176
42.00	58	67.00	283	91.00	420	141.00	891
43.00	674	68.00	10654	92.00	2894	142.00	57
44.00	733	69.00	10997	93.00	4104	143.00	907
45.00	1028	70.00	986	94.00	12164	148.00	204
47.00	1258	71.00	275	95.00	99368	155.00	202
48.00	674	72.00	527	96.00	6569	157.00	118
49.00	4594	73.00	4759	97.00	178	173.00	364
50.00	21376	74.00	18200	104.00	458	174.00	67096
51.00	6614	75.00	53472	106.00	377	175.00	4752
52.00	274	76.00	4643	116.00	364	176.00	64616
55.00	427	77.00	577	117.00	603	177.00	4327
56.00	1938	78.00	348	118.00	349		
57.00	3753	79.00	3320	119.00	500		

Air Toxics Ltd.

Data file : /var/chem/msd10.i/18May2011.b/10051801.dLab Smp Id:Client Smp ID: BFBInj Date : 18-MAY-2011 09:21Operator : gmInst ID: msd10.iSmp Info : ;1476-1562;BFBMisc Info :Comment :Method : /var/chem/msd10.i/18May2011.b/bfbr.mMeth Date : 18-May-2011 09:24Quant Type: ESTDCal Date :Cal File:Als bottle: 1QC Sample: BFBDil Factor: 1.00000Integrator: HP RTECompound Sublist: all.subTarget Version: 3.50Sample Matrix: WATERProcessing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd VariableLocal Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb					CAS #: 460-00-4				
6.440	6.490	-0.050	95	91074			100.00-	100.00	100.00
6.440	6.490	-0.050	50	19818			15.00-	40.00	21.76
6.440	6.490	-0.050	75	48933			30.00-	60.00	53.73
6.440	6.490	-0.050	96	5911			5.00-	9.00	6.49
6.440	6.490	-0.050	173	348			0.00-	2.00	0.56
6.440	6.490	-0.050	174	61738			50.00-	100.00	67.79
6.440	6.490	-0.050	175	4481			5.00-	9.00	7.26
6.440	6.490	-0.050	176	59309			95.00-	101.00	96.07
6.440	6.490	-0.050	177	3873			5.00-	9.00	6.53

Date : 18-MAY-2011 09:21

Client ID: BFB

Instrument: msd10.i

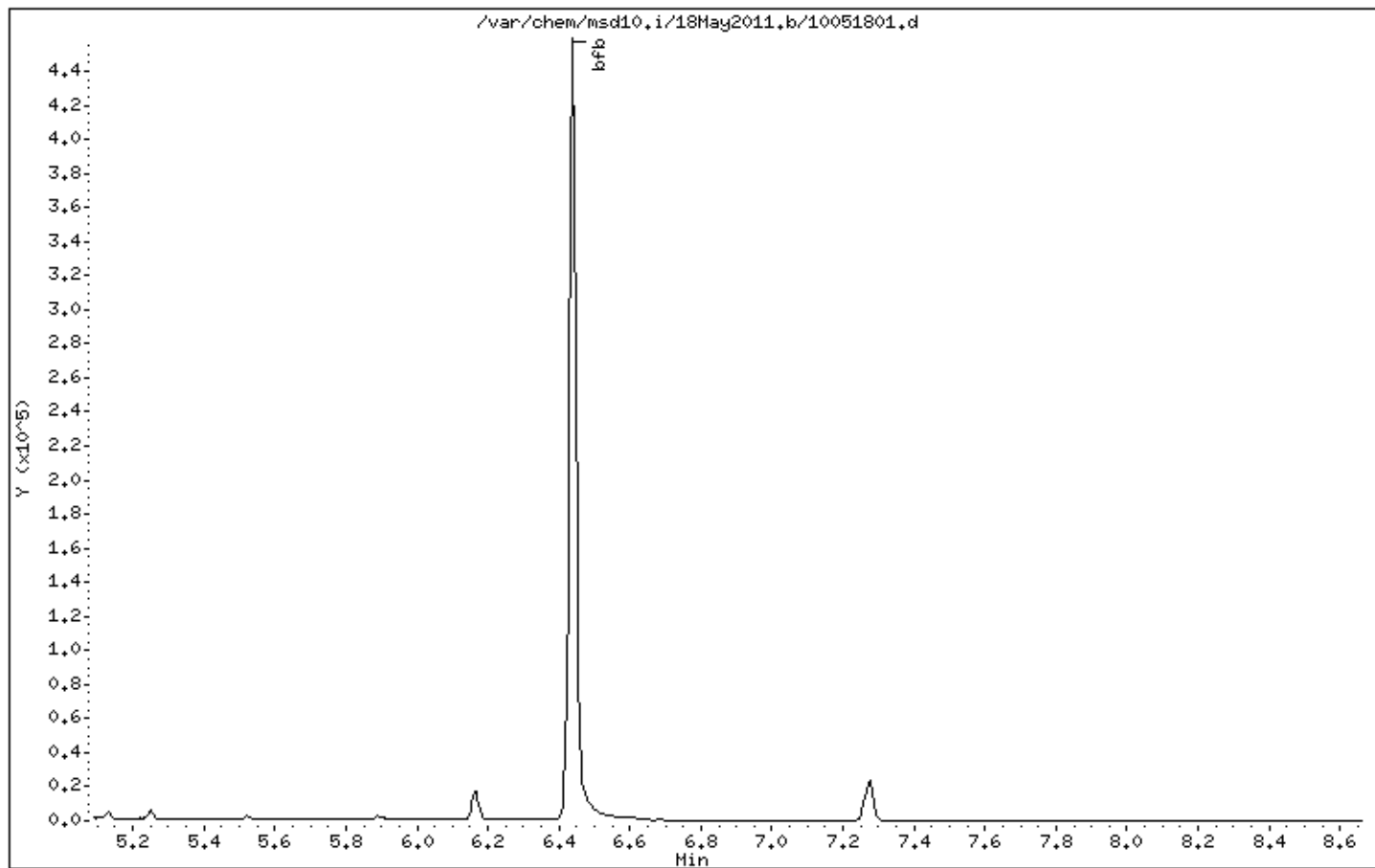
Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00



Date : 18-MAY-2011 09:21

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

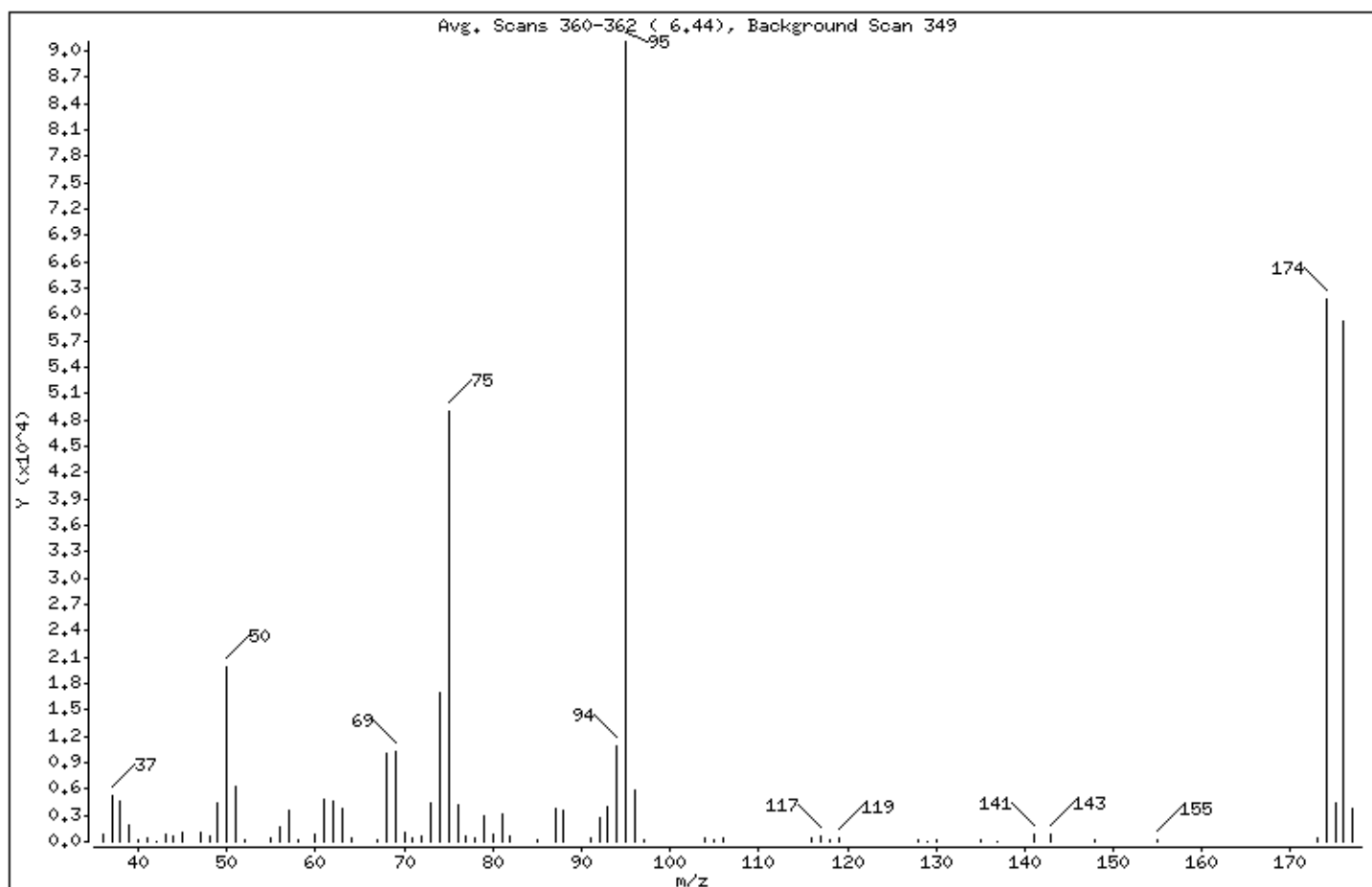
Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.76
75	30.00 - 60.00% of mass 95	53.73
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.38 (0.56)
174	50.00 - 100.00% of mass 95	67.79
175	5.00 - 9.00% of mass 174	4.92 (7.26)
176	95.00 - 101.00% of mass 174	65.12 (96.07)
177	5.00 - 9.00% of mass 176	4.25 (6.53)

Date : 18-MAY-2011 09:21

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

Data File: 10051801.d

Spectrum: Avg. Scans 360-362 (6.44), Background Scan 349

Location of Maximum: 95.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	928	58.00	170	80.00	907	119.00	472
37.00	5277	60.00	913	81.00	3074	128.00	310
38.00	4591	61.00	4765	82.00	658	129.00	51
39.00	1903	62.00	4709	85.00	171	130.00	280
40.00	146	63.00	3700	87.00	3770	135.00	105
41.00	468	64.00	324	88.00	3541	137.00	51
42.00	66	67.00	239	91.00	389	141.00	787
43.00	811	68.00	10081	92.00	2668	143.00	910
44.00	703	69.00	10256	93.00	3891	148.00	135
45.00	982	70.00	960	94.00	10987	155.00	144
47.00	1107	71.00	332	95.00	91072	173.00	348
48.00	607	72.00	548	96.00	5911	174.00	61736
49.00	4330	73.00	4392	97.00	110	175.00	4481
50.00	19816	74.00	16872	104.00	472	176.00	59304
51.00	6240	75.00	48928	105.00	108	177.00	3873
52.00	271	76.00	4235	106.00	398		
55.00	408	77.00	585	116.00	317		
56.00	1735	78.00	381	117.00	564		
57.00	3588	79.00	3010	118.00	302		

Air Toxics Ltd.

Data file : /var/chem/msd10.i/19May2011.b/10051901.d

Lab Smp Id:Client Smp ID: BFB

Inj Date : 19-MAY-2011 09:15

Operator : LZInst ID: msd10.i

Smp Info : ;1476-1562;BFB

Misc Info :

Comment :

Method : /var/chem/msd10.i/19May2011.b/bfbr.m

Meth Date : 19-May-2011 09:20Quant Type: ESTD

Cal Date :Cal File:

Als bottle: 1QC Sample: BFB

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: all.sub

Target Version: 3.50Sample Matrix: WATER

Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd VariableLocal Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb						CAS #: 460-00-4			
6.433	6.490	-0.057	95	106152			100.00-	100.00	100.00
6.433	6.490	-0.057	50	22549			15.00-	40.00	21.24
6.433	6.490	-0.057	75	56405			30.00-	60.00	53.14
6.433	6.490	-0.057	96	7106			5.00-	9.00	6.69
6.433	6.490	-0.057	173	420			0.00-	2.00	0.57
6.433	6.490	-0.057	174	73584			50.00-	100.00	69.32
6.433	6.490	-0.057	175	5336			5.00-	9.00	7.25
6.433	6.490	-0.057	176	71533			95.00-	101.00	97.21
6.433	6.490	-0.057	177	4691			5.00-	9.00	6.56

Date : 19-MAY-2011 09:15

Client ID: BFB

Instrument: msd10.i

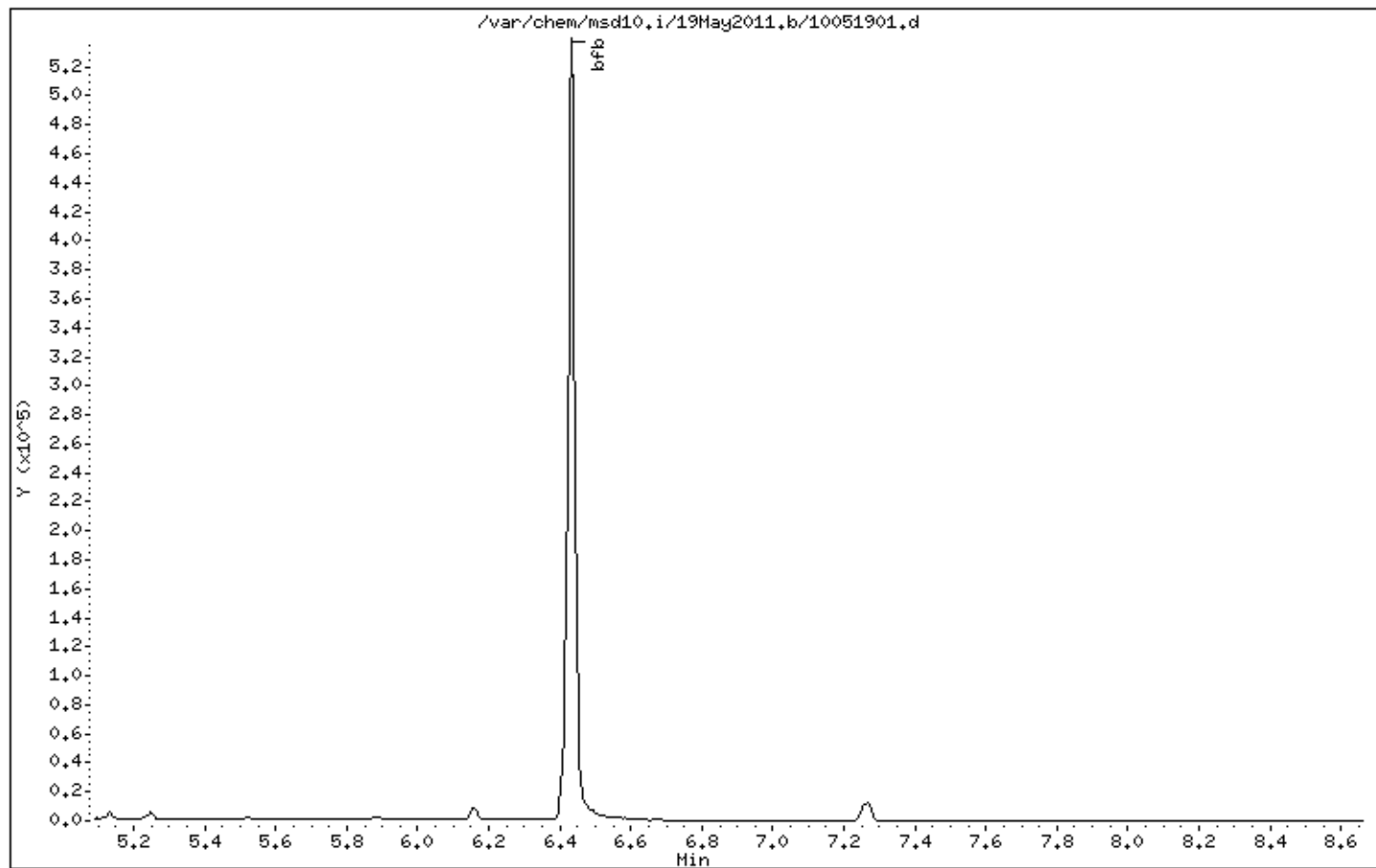
Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00



Date : 19-MAY-2011 09:15

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

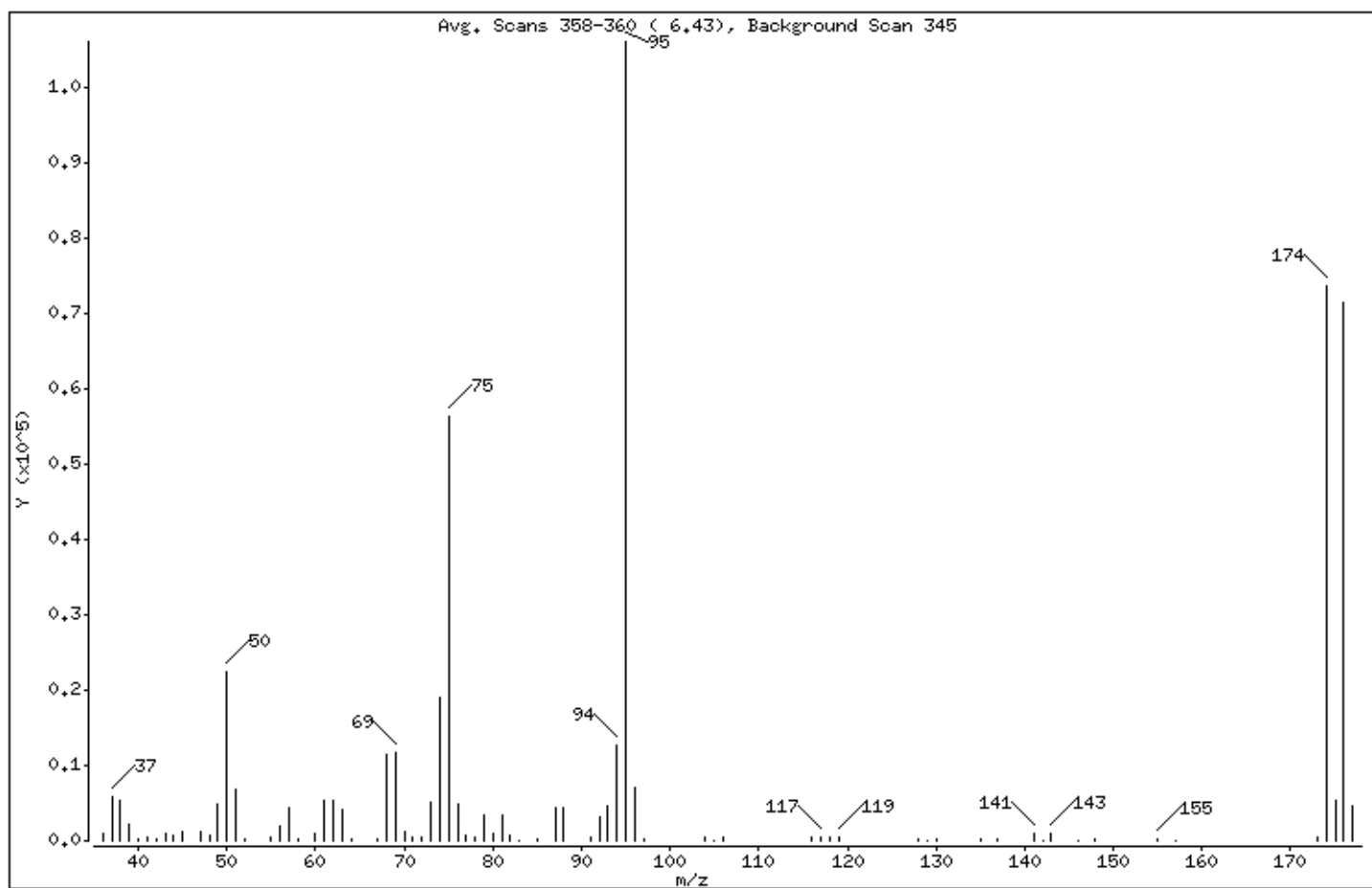
Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.24
75	30.00 - 60.00% of mass 95	53.14
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.40 (0.57)
174	50.00 - 100.00% of mass 95	69.32
175	5.00 - 9.00% of mass 174	5.03 (7.25)
176	95.00 - 101.00% of mass 174	67.39 (97.21)
177	5.00 - 9.00% of mass 176	4.42 (6.56)

Date : 19-MAY-2011 09:15

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

Data File: 10051901.d

Spectrum: Avg. Scans 358-360 (6.43), Background Scan 345

Location of Maximum: 95.00

Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1048	60.00	988	82.00	786	129.00	118
37.00	5816	61.00	5463	83.00	51	130.00	327
38.00	5288	62.00	5297	85.00	354	135.00	172
39.00	2114	63.00	4145	87.00	4364	137.00	127
40.00	142	64.00	358	88.00	4308	141.00	932
41.00	610	67.00	280	91.00	430	142.00	50
42.00	133	68.00	11464	92.00	3133	143.00	1010
43.00	1081	69.00	11804	93.00	4590	146.00	51
44.00	781	70.00	1108	94.00	12719	148.00	226
45.00	1102	71.00	468	95.00	106152	155.00	207
47.00	1236	72.00	601	96.00	7106	157.00	108
48.00	673	73.00	5076	97.00	236	173.00	420
49.00	4819	74.00	19128	104.00	436	174.00	73584
50.00	22544	75.00	56400	105.00	122	175.00	5336
51.00	6838	76.00	4806	106.00	450	176.00	71528
52.00	293	77.00	648	116.00	396	177.00	4691
55.00	497	78.00	375	117.00	605		
56.00	2036	79.00	3392	118.00	375		
57.00	4386	80.00	1008	119.00	547		
58.00	189	81.00	3538	128.00	335		

Air Toxics Ltd.

Data file : /var/chem/msd10.i/19May2011.b/10051915.d

Lab Smp Id:Client Smp ID: BFB

Inj Date : 19-MAY-2011 15:45

Operator : LZInst ID: msd10.i

Smp Info : ;1476-1562;BFB

Misc Info :

Comment :

Method : /var/chem/msd10.i/19May2011.b/bfbr.m

Meth Date : 19-May-2011 09:20Quant Type: ESTD

Cal Date :Cal File:

Als bottle: 1QC Sample: BFB

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: all.sub

Target Version: 3.50Sample Matrix: WATER

Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd VariableLocal Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb					CAS #: 460-00-4				
6.436	6.490	-0.054	95	72106			100.00-	100.00	100.00
6.436	6.490	-0.054	50	15150			15.00-	40.00	21.01
6.436	6.490	-0.054	75	38056			30.00-	60.00	52.78
6.436	6.490	-0.054	96	4747			5.00-	9.00	6.58
6.436	6.490	-0.054	173	267			0.00-	2.00	0.53
6.436	6.490	-0.054	174	50373			50.00-	100.00	69.86
6.436	6.490	-0.054	175	3454			5.00-	9.00	6.86
6.436	6.490	-0.054	176	49130			95.00-	101.00	97.53
6.436	6.490	-0.054	177	3274			5.00-	9.00	6.66

Date : 19-MAY-2011 15:45

Client ID: BFB

Instrument: msd10.i

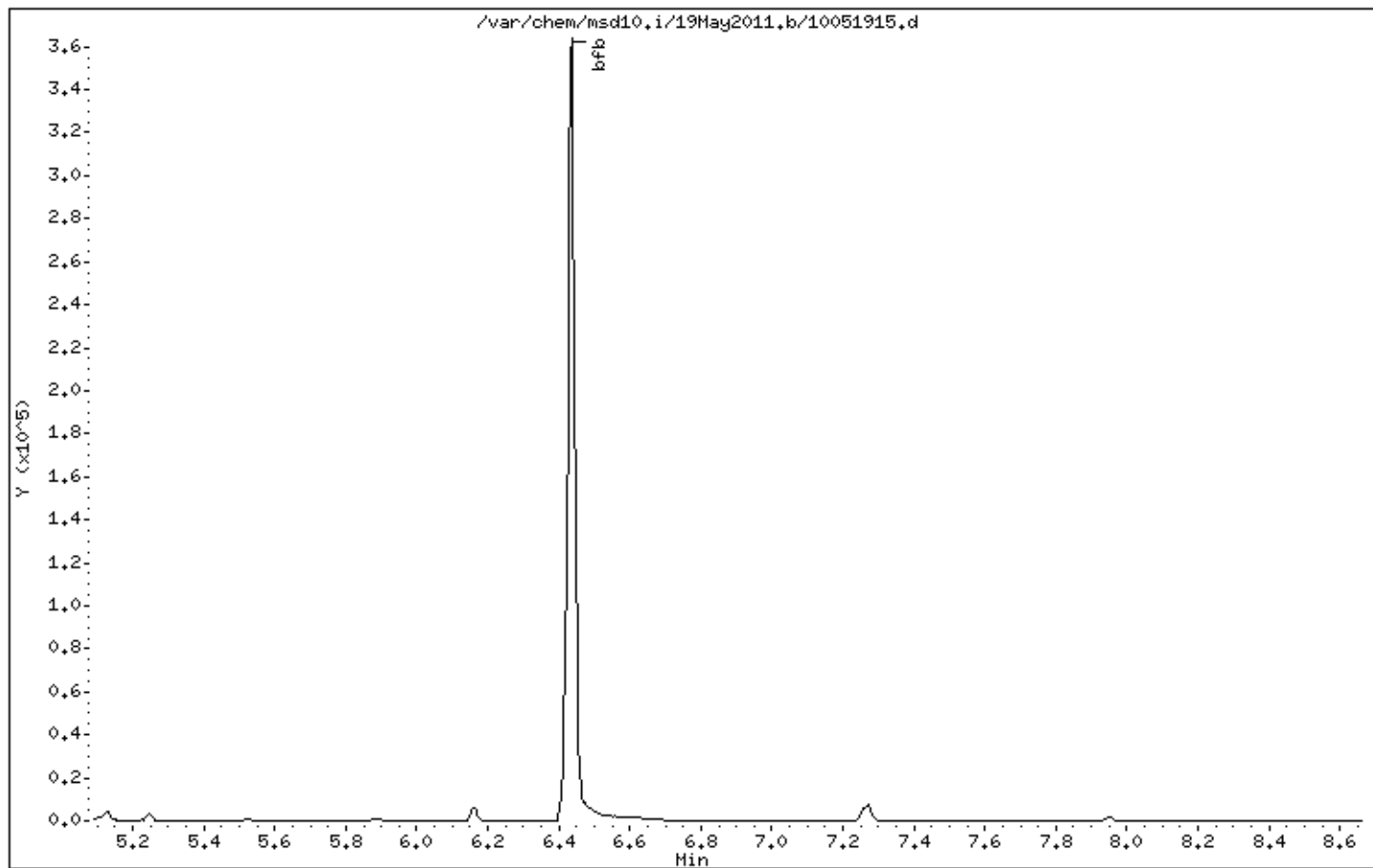
Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00



Date : 19-MAY-2011 15:45

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

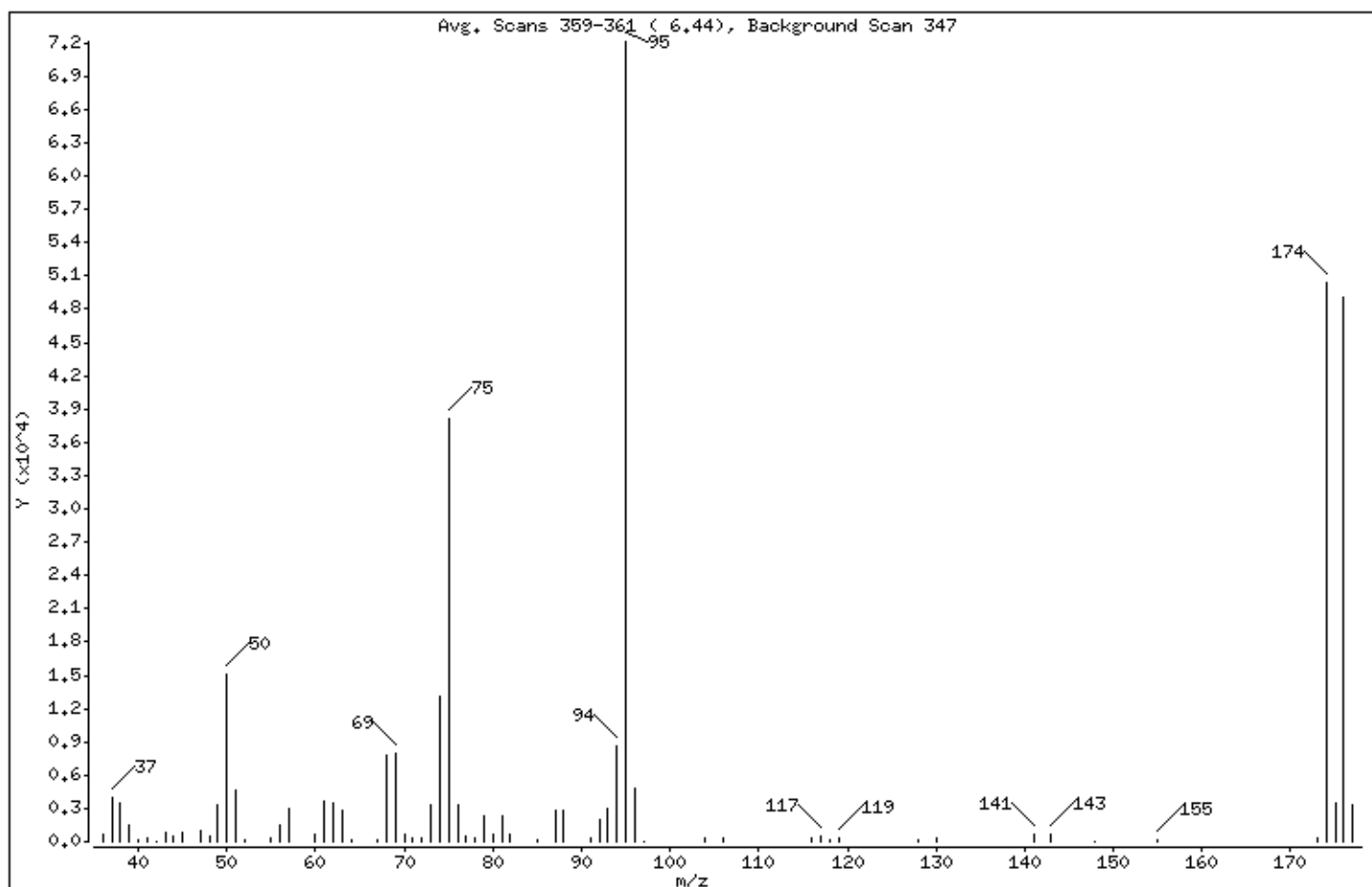
Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.01
75	30.00 - 60.00% of mass 95	52.78
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.37 (0.53)
174	50.00 - 100.00% of mass 95	69.86
175	5.00 - 9.00% of mass 174	4.79 (6.86)
176	95.00 - 101.00% of mass 174	68.14 (97.53)
177	5.00 - 9.00% of mass 176	4.54 (6.66)

Date : 19-MAY-2011 15:45

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: LZ

Column phase:

Column diameter: 2.00

Data File: 10051915.d

Spectrum: Avg. Scans 359-361 (6.44), Background Scan 347

Location of Maximum: 95.00

Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	695	56.00	1456	77.00	445	106.00	299
37.00	4030	57.00	2950	78.00	310	116.00	254
38.00	3519	60.00	649	79.00	2353	117.00	429
39.00	1452	61.00	3651	80.00	686	118.00	240
40.00	187	62.00	3563	81.00	2396	119.00	360
41.00	401	63.00	2787	82.00	583	128.00	239
42.00	72	64.00	242	85.00	236	130.00	252
43.00	797	67.00	193	87.00	2873	141.00	638
44.00	511	68.00	7799	88.00	2841	143.00	683
45.00	746	69.00	7976	91.00	274	148.00	59
47.00	926	70.00	724	92.00	2046	155.00	103
48.00	430	71.00	346	93.00	3004	173.00	267
49.00	3344	72.00	398	94.00	8601	174.00	50368
50.00	15150	73.00	3320	95.00	72104	175.00	3454
51.00	4673	74.00	13103	96.00	4747	176.00	49128
52.00	195	75.00	38056	97.00	53	177.00	3274
55.00	344	76.00	3305	104.00	297		

Air Toxics Ltd.

Data file : /var/chem/msd10.i/20May2011.b/10052001.d

Lab Smp Id:Client Smp ID: BFB

Inj Date : 20-MAY-2011 08:56

Operator : gmInst ID: msd10.i

Smp Info : ;1476-1562;BFB

Misc Info :

Comment :

Method : /var/chem/msd10.i/20May2011.b/bfbr.m

Meth Date : 20-May-2011 08:59Quant Type: ESTD

Cal Date :Cal File:

Als bottle: 1QC Sample: BFB

Dil Factor: 1.00000

Integrator: HP RTECompound Sublist: all.sub

Target Version: 3.50Sample Matrix: WATER

Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd VariableLocal Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb						CAS #: 460-00-4			
6.440	6.490	-0.050	95	52173			100.00-	100.00	100.00
6.440	6.490	-0.050	50	11205			15.00-	40.00	21.48
6.440	6.490	-0.050	75	27834			30.00-	60.00	53.35
6.440	6.490	-0.050	96	3441			5.00-	9.00	6.60
6.440	6.490	-0.050	173	196			0.00-	2.00	0.55
6.440	6.490	-0.050	174	35880			50.00-	100.00	68.77
6.440	6.490	-0.050	175	2620			5.00-	9.00	7.30
6.440	6.490	-0.050	176	34181			95.00-	101.00	95.26
6.440	6.490	-0.050	177	2376			5.00-	9.00	6.95

Date : 20-MAY-2011 08:56

Client ID: BFB

Instrument: msd10.i

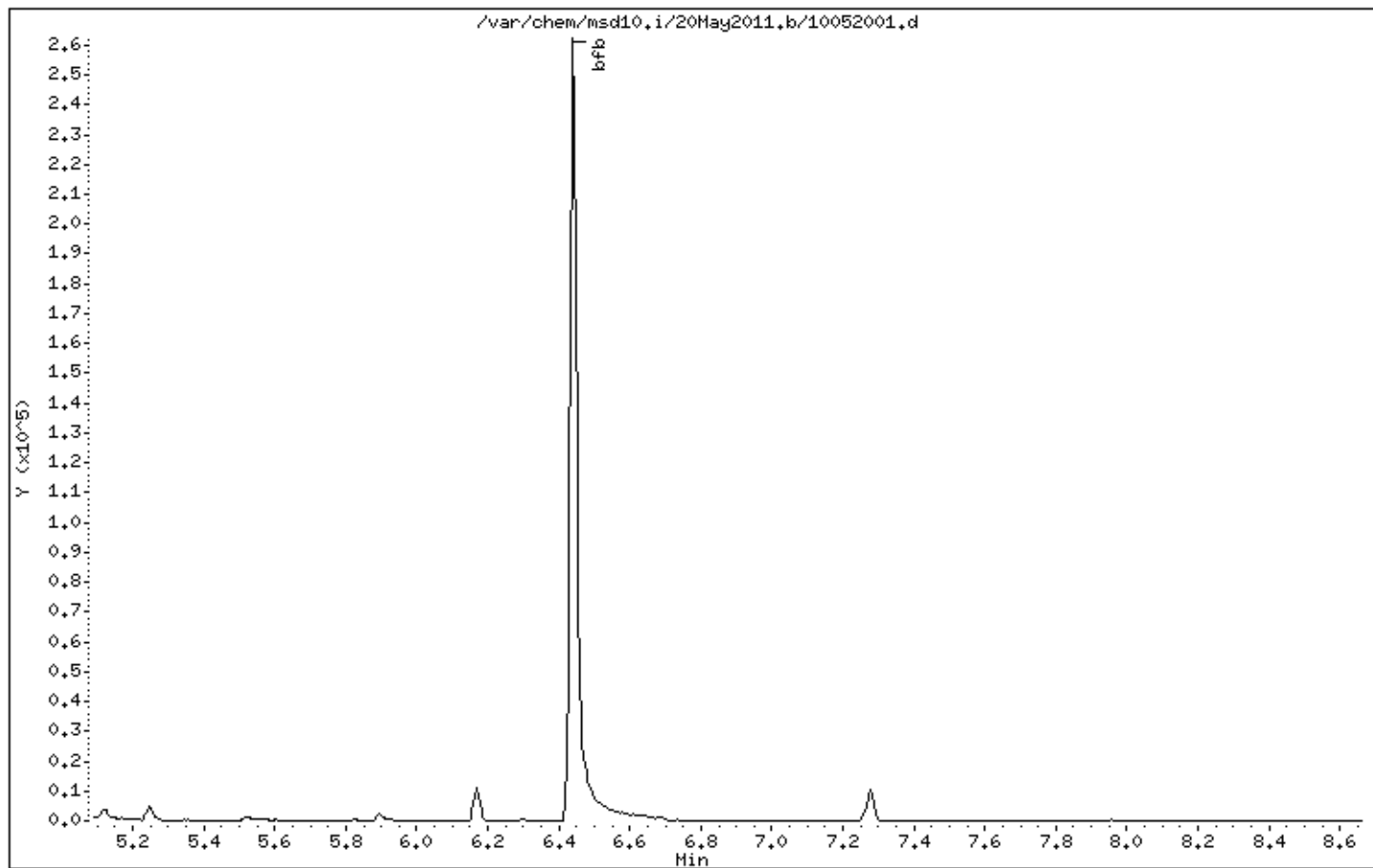
Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00



Date : 20-MAY-2011 08:56

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

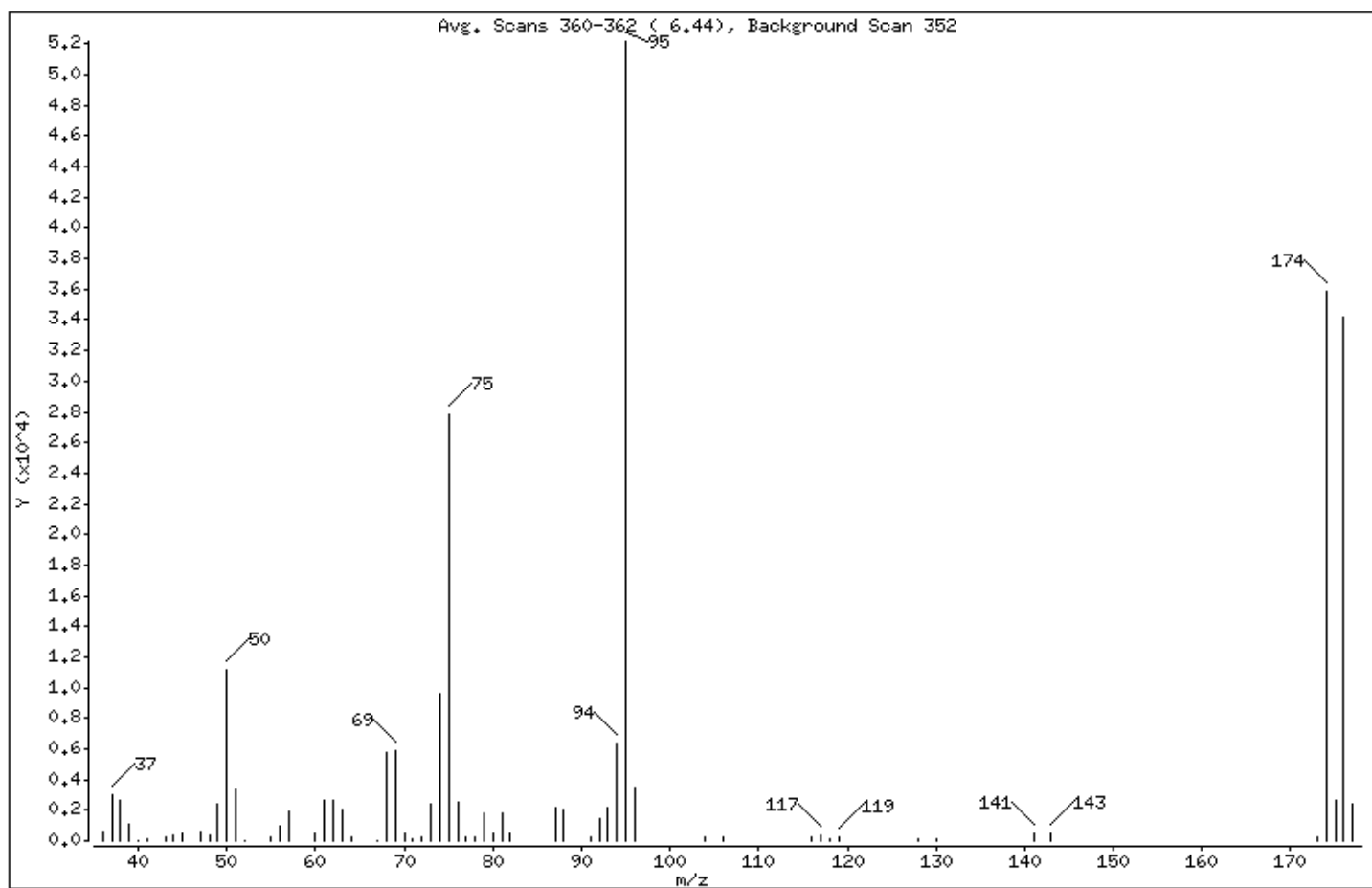
Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.48
75	30.00 - 60.00% of mass 95	53.35
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.38 (0.55)
174	50.00 - 100.00% of mass 95	68.77
175	5.00 - 9.00% of mass 174	5.02 (7.30)
176	95.00 - 101.00% of mass 174	65.51 (95.26)
177	5.00 - 9.00% of mass 176	4.55 (6.95)

Date : 20-MAY-2011 08:56

Client ID: BFB

Instrument: msd10.i

Sample Info: ;1476-1562;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

Data File: 10052001.d

Spectrum: Avg. Scans 360-362 (6.44), Background Scan 352

Location of Maximum: 95.00

Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	557	56.00	991	76.00	2463	106.00	195
37.00	2979	57.00	1914	77.00	289	116.00	187
38.00	2641	60.00	511	78.00	206	117.00	307
39.00	1031	61.00	2628	79.00	1763	118.00	138
40.00	52	62.00	2689	80.00	483	119.00	277
41.00	135	63.00	2059	81.00	1756	128.00	108
43.00	226	64.00	189	82.00	438	130.00	154
44.00	392	67.00	52	87.00	2202	141.00	441
45.00	489	68.00	5766	88.00	2060	143.00	492
47.00	608	69.00	5850	91.00	222	173.00	196
48.00	361	70.00	487	92.00	1499	174.00	35880
49.00	2355	71.00	70	93.00	2191	175.00	2620
50.00	11205	72.00	280	94.00	6311	176.00	34176
51.00	3341	73.00	2389	95.00	52168	177.00	2376
52.00	57	74.00	9547	96.00	3441		
55.00	233	75.00	27832	104.00	208		

Shipping/ Receiving Documents

Air Toxics Ltd. Sample Receipt Confirmation Cover Page

Thank you for choosing Air Toxics Ltd. We have received your samples and have listed any Sample Receipt Discrepancies below.

In order to expedite analysis and reporting, please review the attached information for
For corrections ca **Ausha Scott at 916-985-1000**

ATL will proceed with the analysis as specified on the Chain of Custody and Sample Receipt Summary page.

Please note : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the Chain of Custody (COC) will be provided with the final report.

PASSIVE SAMPLE COLLECTION



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager David Bertrand

Collected by: (Print and Sign) Danielle R. Berland

Company Geosys Inc

Address 131 Research Lane Suite 200 City Cincinnati State OH Zip 45223

Phone 513-822-2230 Fax 513-822-3151

Project Info:

P.O. # TR0386 2.3

Project # AC 59

Project Name _____

Turn Around Time:

☒ Normal

☐ Rush

Reporting Units:

☐ ppmv

☒ ppbv

☒ µg/m3

specify _____

Analysis Requested

Indoor Air

Outdoor Air

Workplace Monitoring

Other (Sub-slab)

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Analysis Requested	Indoor Air	Outdoor Air	Workplace Air	Other Air
01A	1A-SLW8	M-69	04/14/11	19:55	04/28/11	16:03	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
02A	PSS-SLW8	AP-1702148-1	04/15/11	9:17	04/28/11	16:12		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
03A	1A-SLW22	M-68	04/14/11	20:20	04/28/11	16:19		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04A	1A-SLW84	M-99	04/14/11	22:40	04/28/11	16:25		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
05A	HPV-118-1	M-73	04/28/11	16:49	04/28/11	21:20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
06A	HPV-118-2	1103-CB-R-4	04/28/11	16:49	04/28/11	21:20	Hold Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
07A	PSS-SLW84	AP-1702148-3	04/14/11	23:25	04/28/11	9:43		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
08A	HPV-CB-1	M-72	04/28/11	11:16	04/29/11	12:39		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
09A	HPV-CB-2	1103-CB-R-10	04/28/11	11:16	04/29/11	11:48	Hold Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10A	PSS-SLW22	AP-1702148-5	04/14/11	23:34	04/29/11	13:37		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Relinquished by: (signature)		Date/Time		Received by: (signature)		Date/Time		Sample Site Air Temperature:			
Mullen E (ed)		5/2/11		B. Matthews		5/3/11 0930					
Relinquished by: (signature)		Date/Time		Received by: (signature)		Date/Time		Notes:			
Relinquished by: (signature)		Date/Time		Received by: (signature)		Date/Time					
Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Yes	No	None	Work Order #		
	Foley		N/A	Good				None	1105001		

SAMPLE RECEIPT SUMMARY

WORKORDER 1105031A

Client Mr. Dave Bertrand GeoSyntec Consultants 130 Research Lane Suite 2 Guelph, Ontario N1G5G3	Phone 519-822-2230 Fax 519-822-3151	Date Promised: 05/17/11 Date Completed: 5/23/11 Date Received: 5/3/11 PO#: TR0386 2.3 Project#: AF 59 Total \$: \$ 1,650.00 Logged By: BSW
Sales Rep: TL		

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
01A	IA-SL118	Passive S.E. WMS	4/28/2011	\$150.00
02A	PSS-SL118	Passive S.E. WMS	4/28/2011	\$150.00
03A	IA-SL022	Passive S.E. WMS	4/28/2011	\$150.00
04A	IA-SL084	Passive S.E. WMS	4/28/2011	\$150.00
05A	HPV-118-1	Passive S.E. WMS	4/28/2011	\$150.00
07A	PSS-SL084	Passive S.E. WMS	4/29/2011	\$150.00
08A	HPV-084-1	Passive S.E. WMS	4/29/2011	\$150.00
10A	PSS-SL022	Passive S.E. WMS	4/29/2011	\$150.00
11A	HPV-022-1	Passive S.E. WMS	4/29/2011	\$150.00
13A	TRIP BLANK A1	Passive S.E. WMS	NA	\$150.00
14A	TRIP BLANK B1	Passive S.E. WMS	NA	\$150.00
15A	Lab Blank	Passive S.E. WMS	NA	\$0.00
16A	LCS	Passive S.E. WMS	NA	\$0.00
16AA	LCSD	Passive S.E. WMS	NA	\$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
 Atlas Project Name/Profile#: AF Plant 59/15800

BILL TO: Accounts Payable
 GeoSyntec Consultants
 5901 Broken Sound Parkway
 Suite 300
 Boca Raton, FL 33487

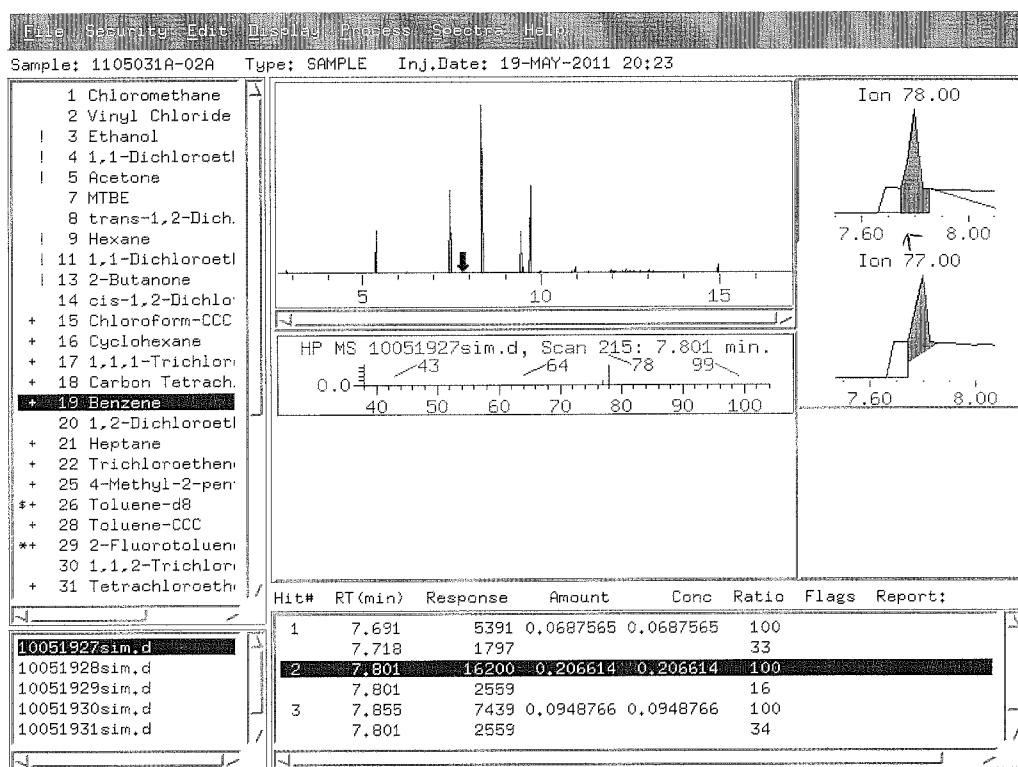
Analysis Code: Other GC

TERMS: NET 90

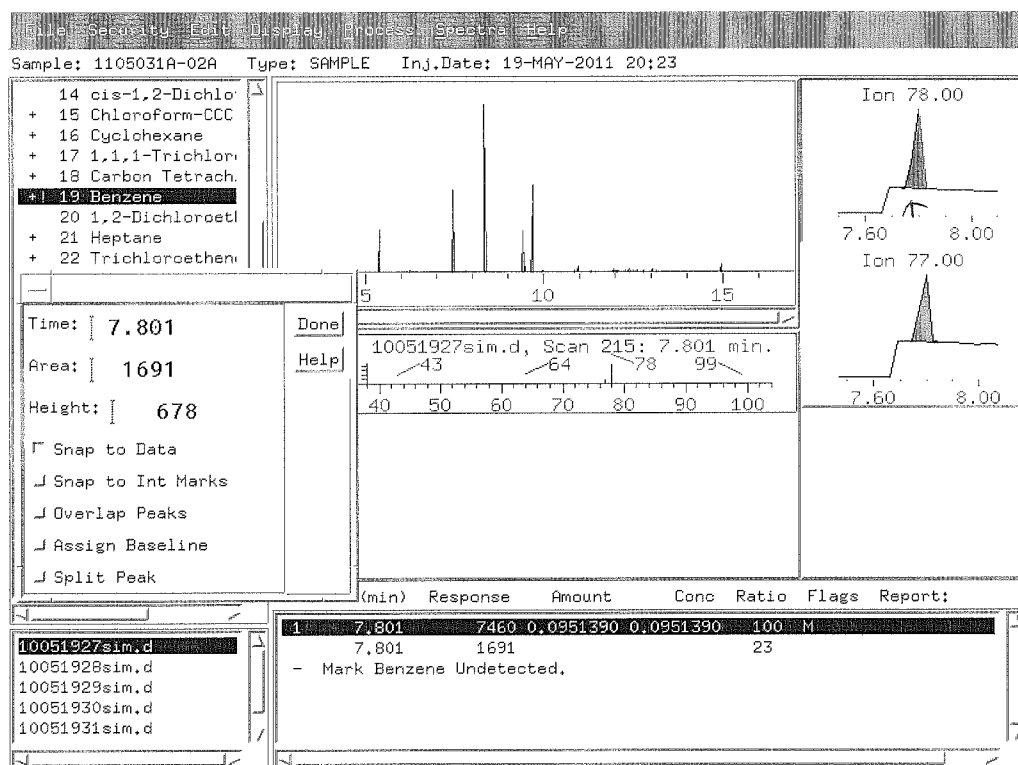
Reporting Method: Passive SE GC/MS WMS

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

Other Records



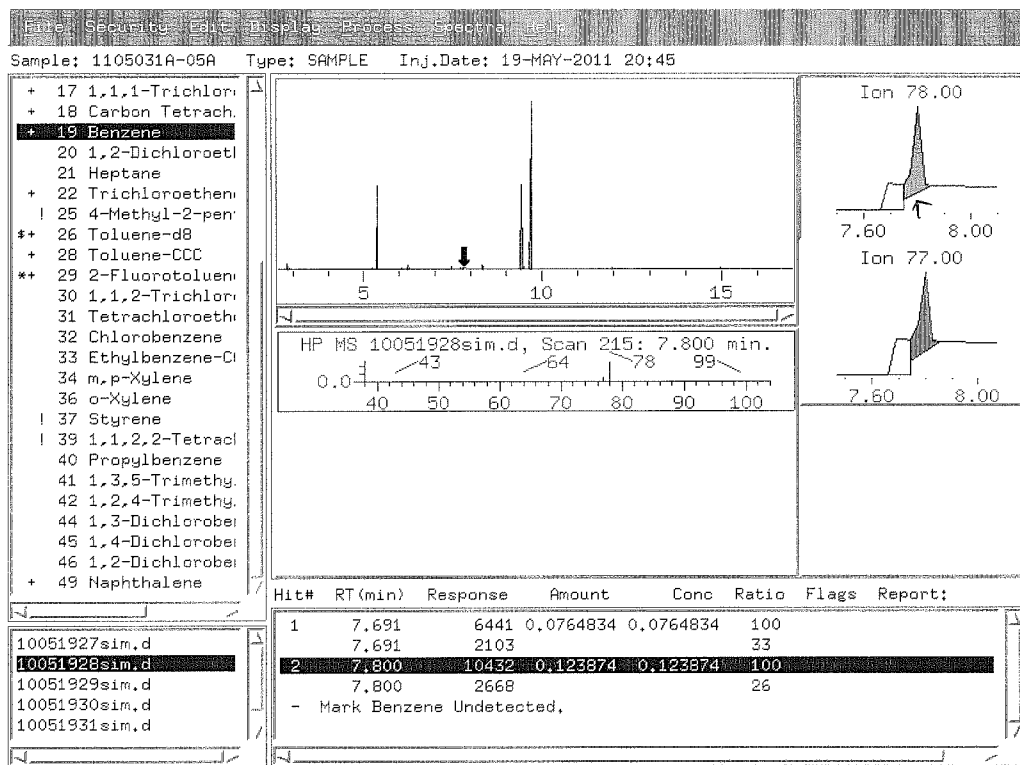
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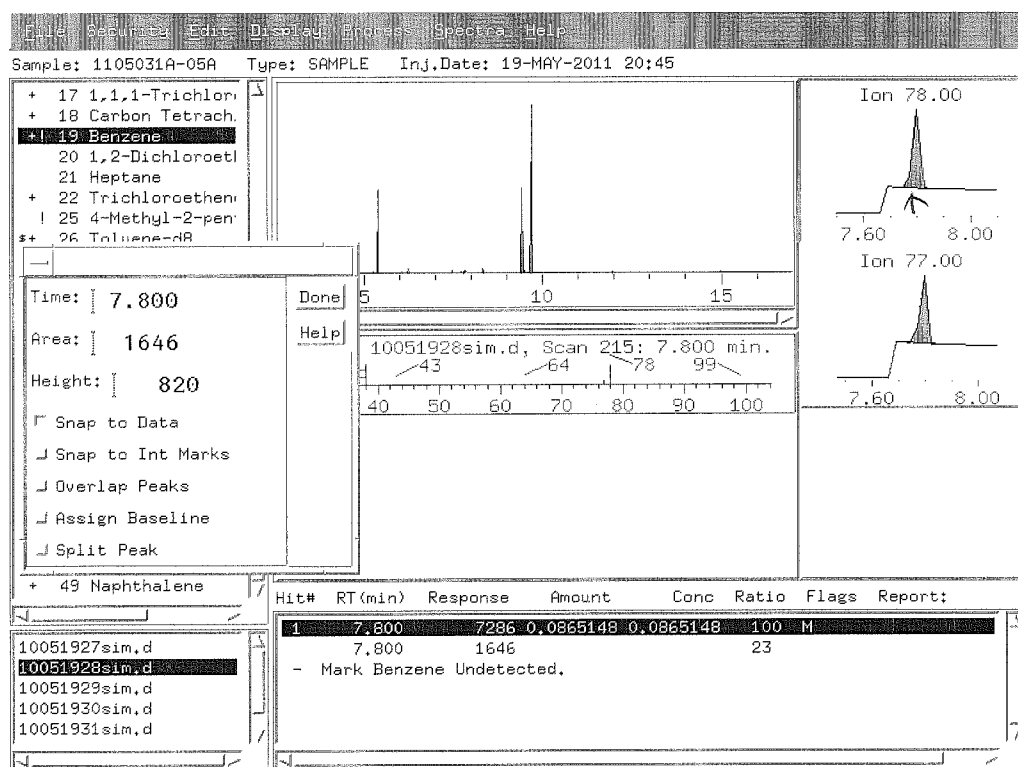
After

6/5/2011

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



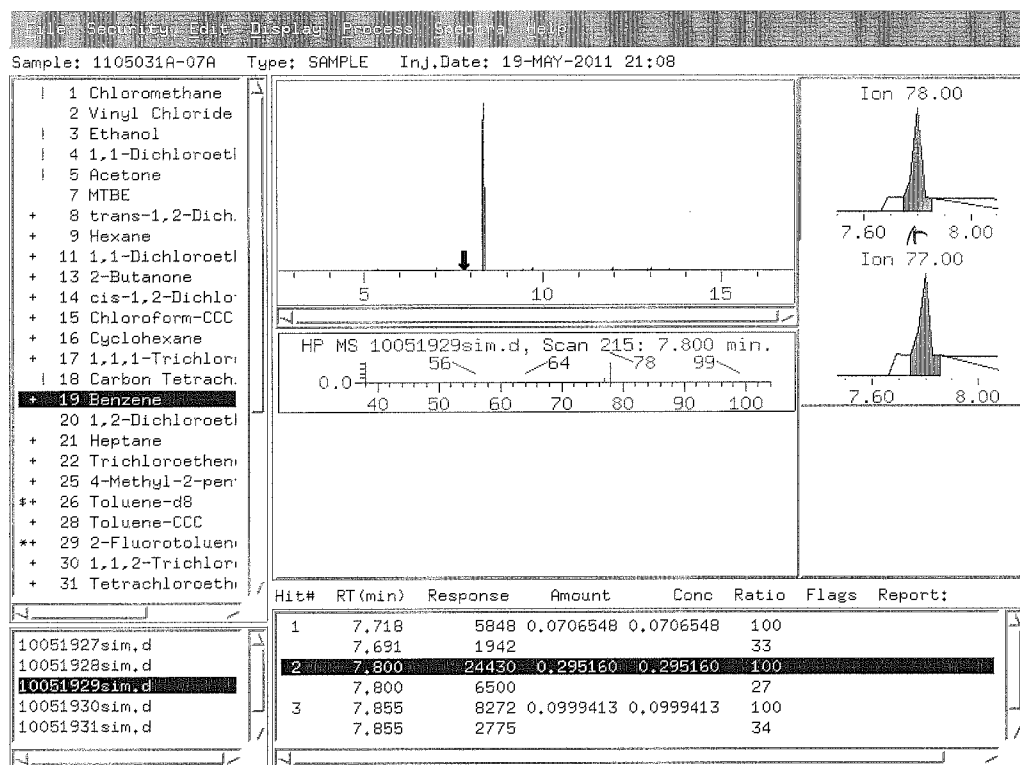
Be f



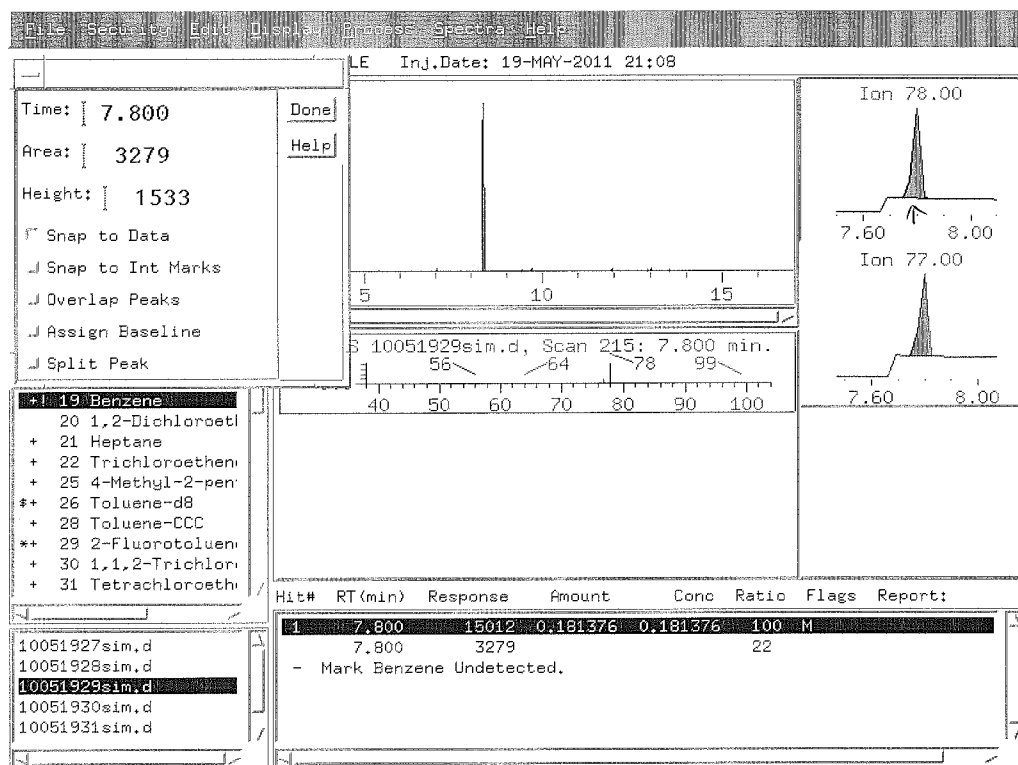
After

45/2311

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



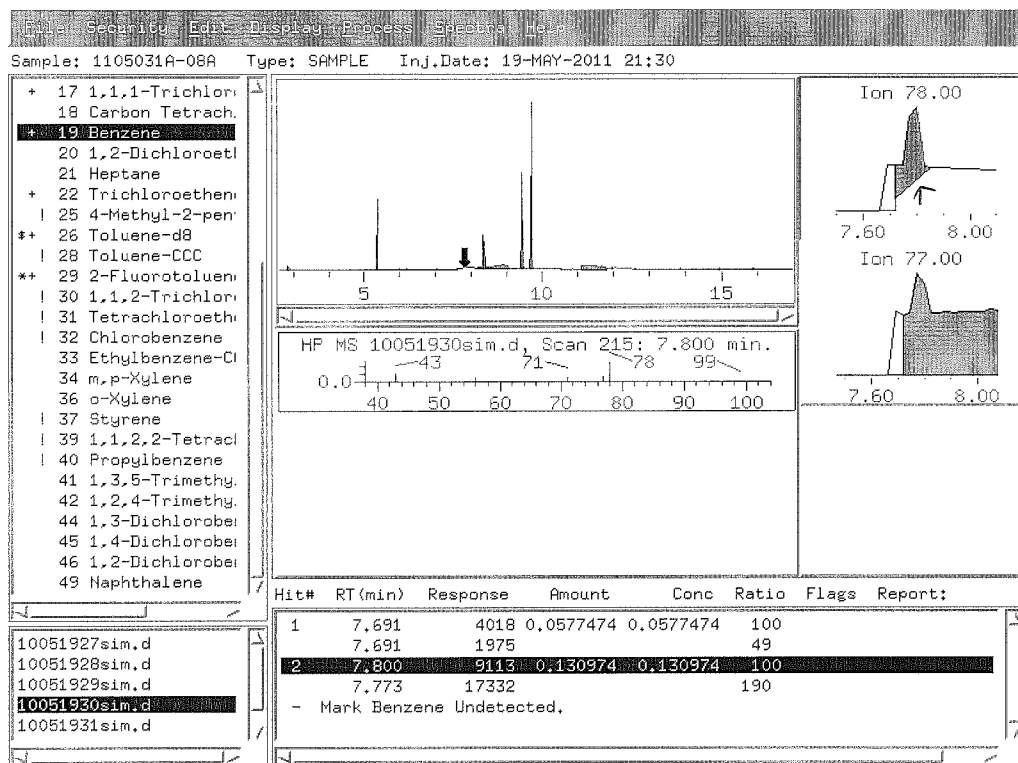
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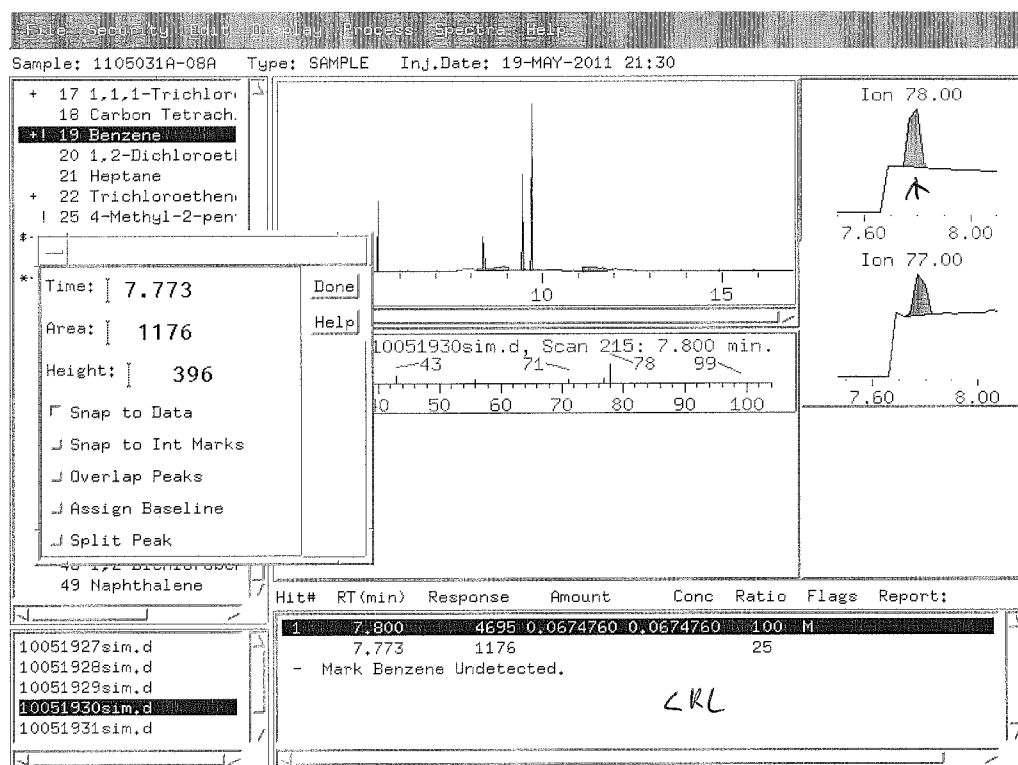
After

✓ 6/5/2011

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



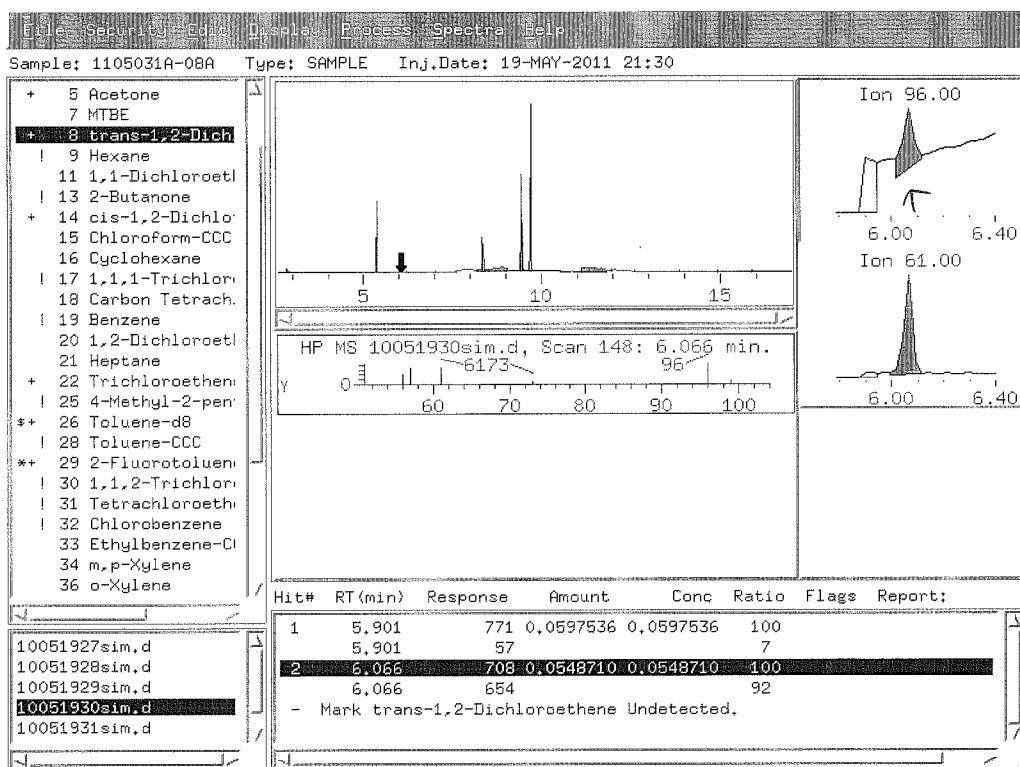
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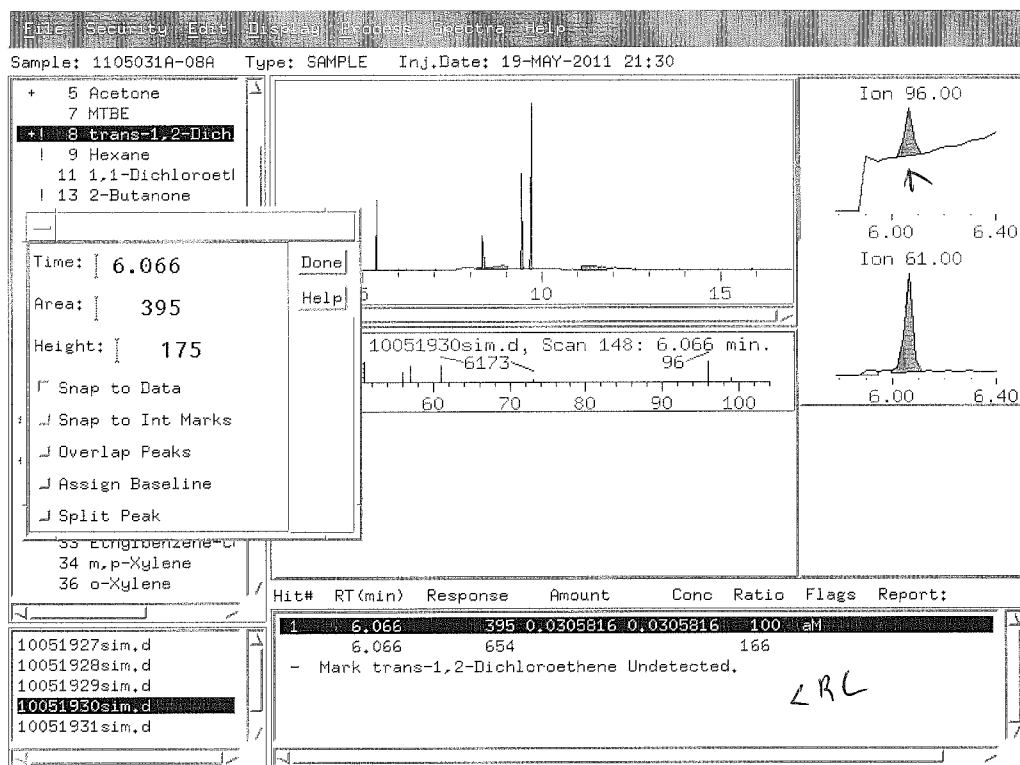
After

W5/23/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



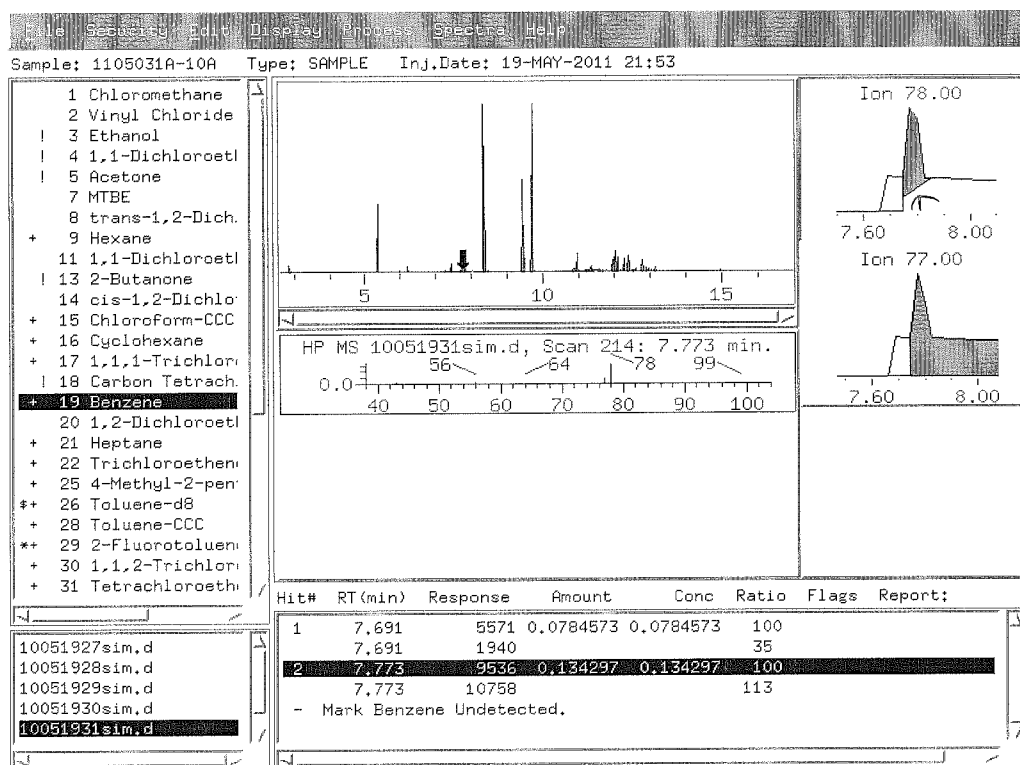
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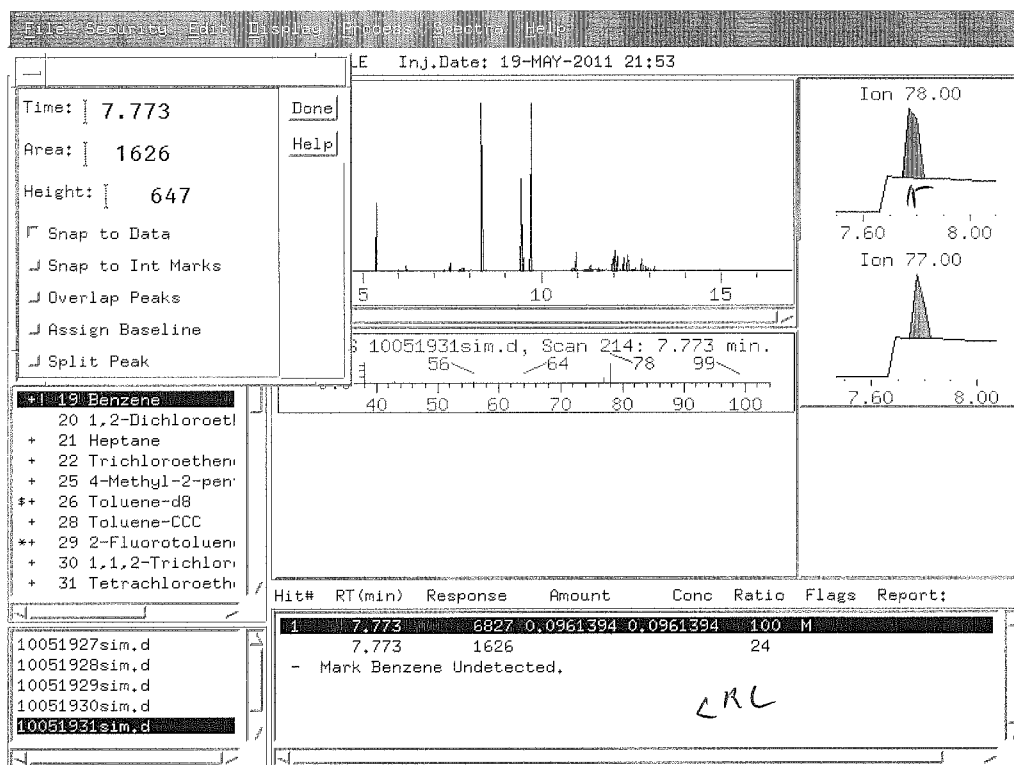
After

4/5/2011

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



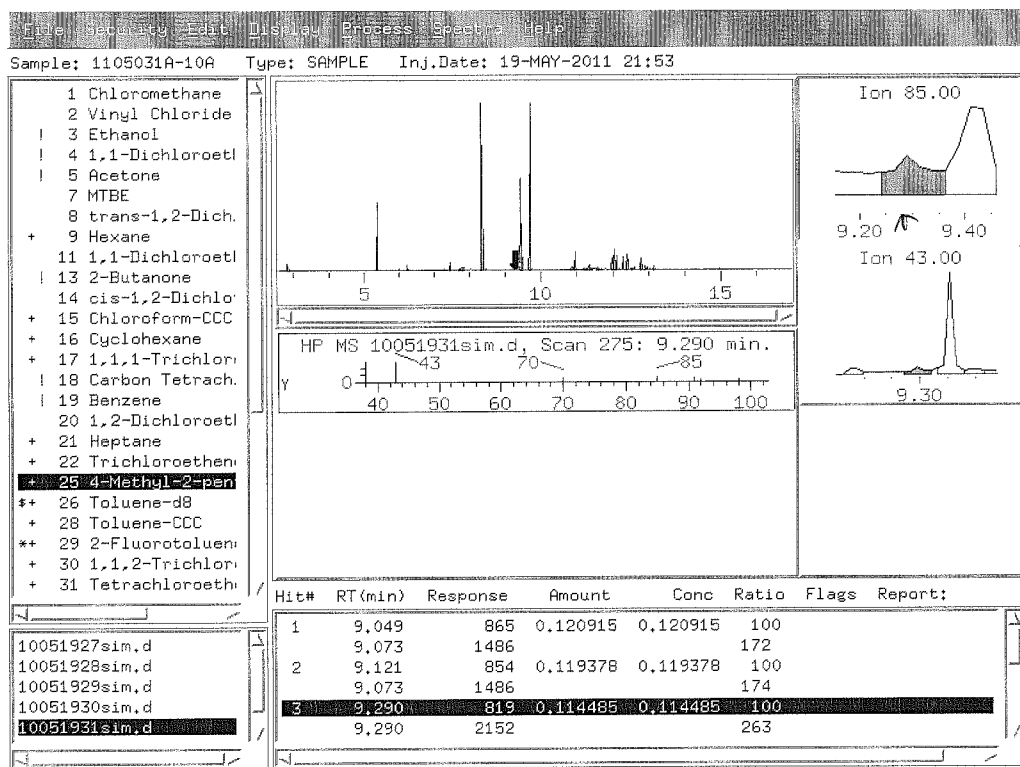
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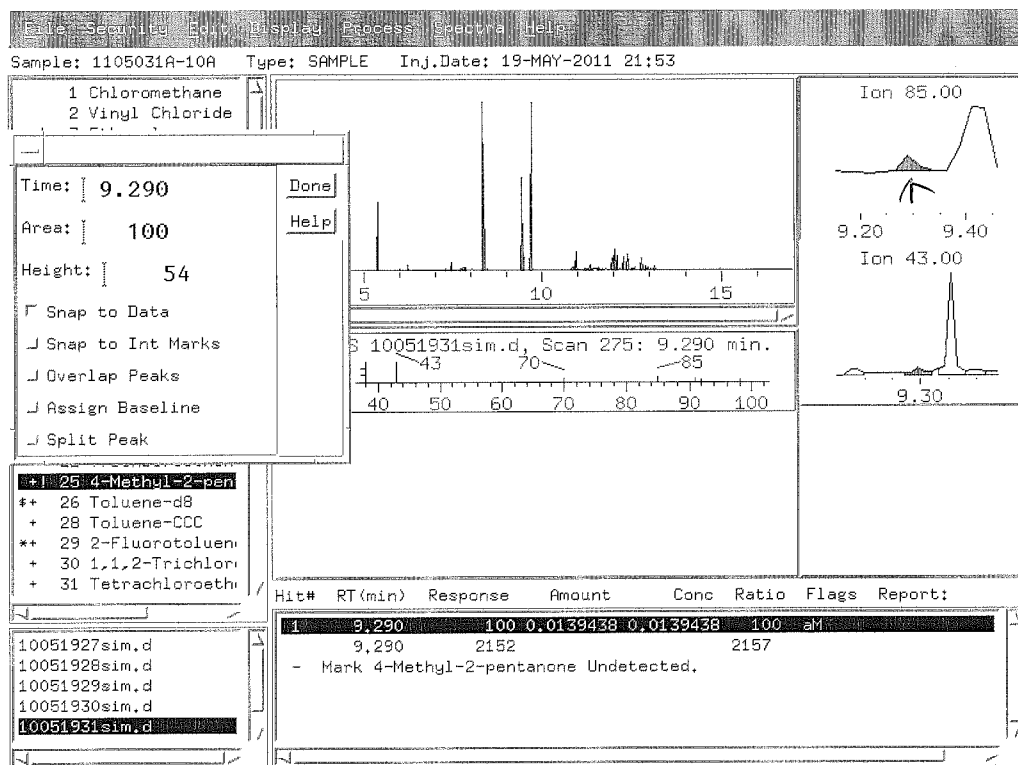
After

5/23/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



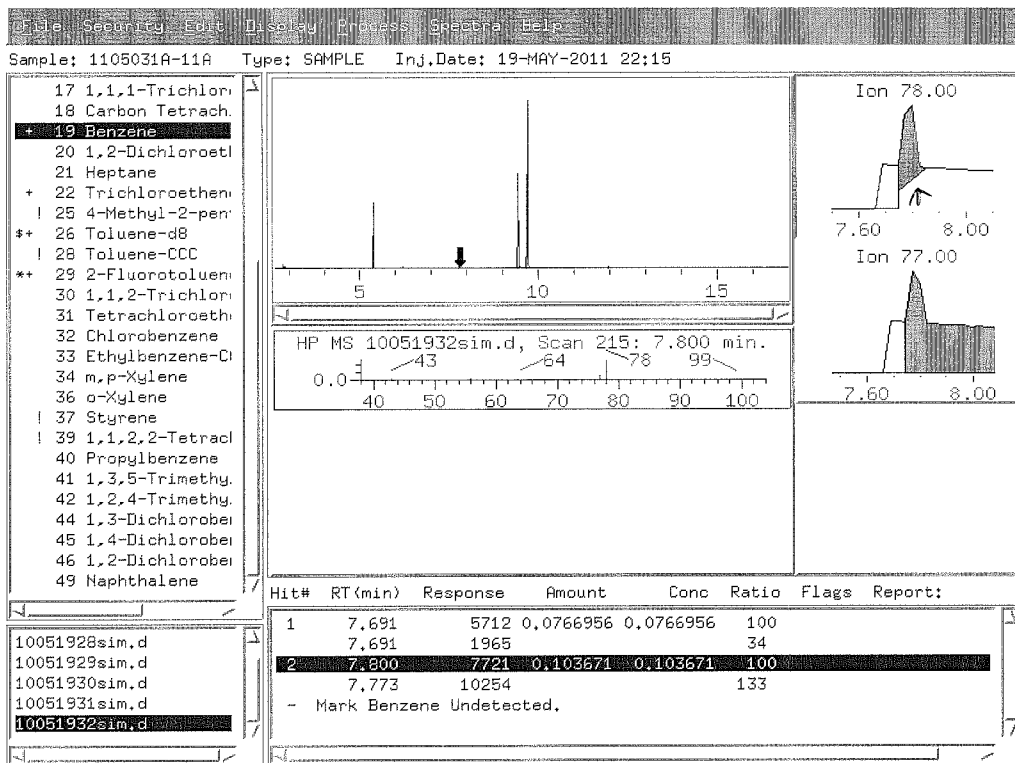
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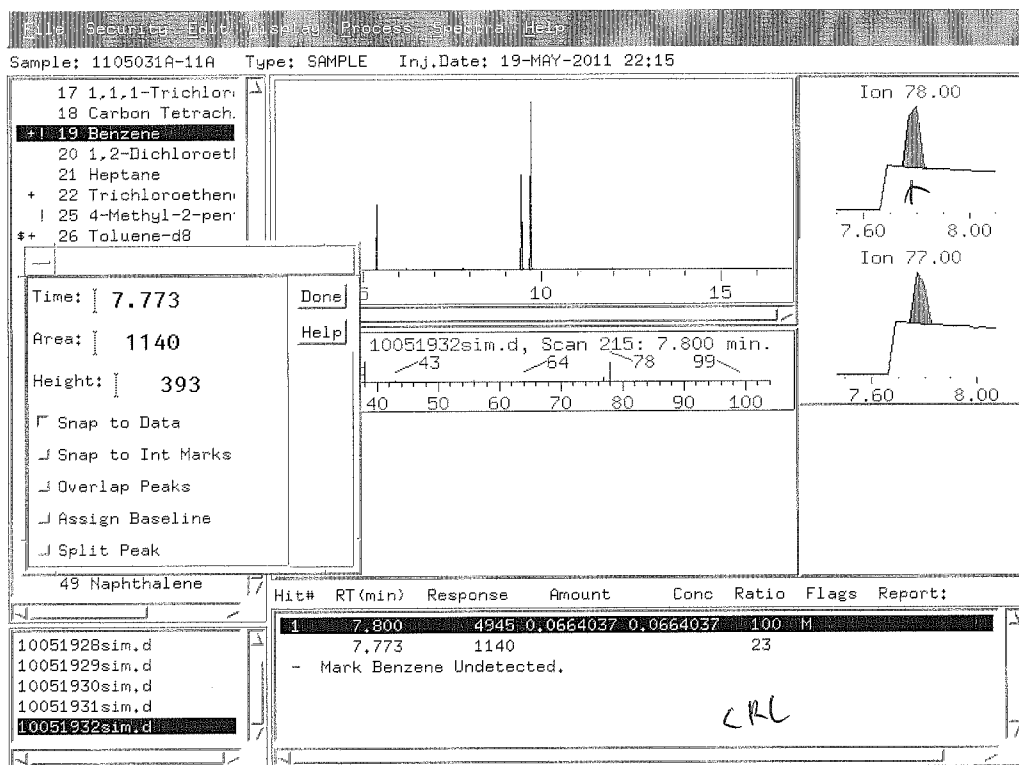
After

6/5/23/11

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



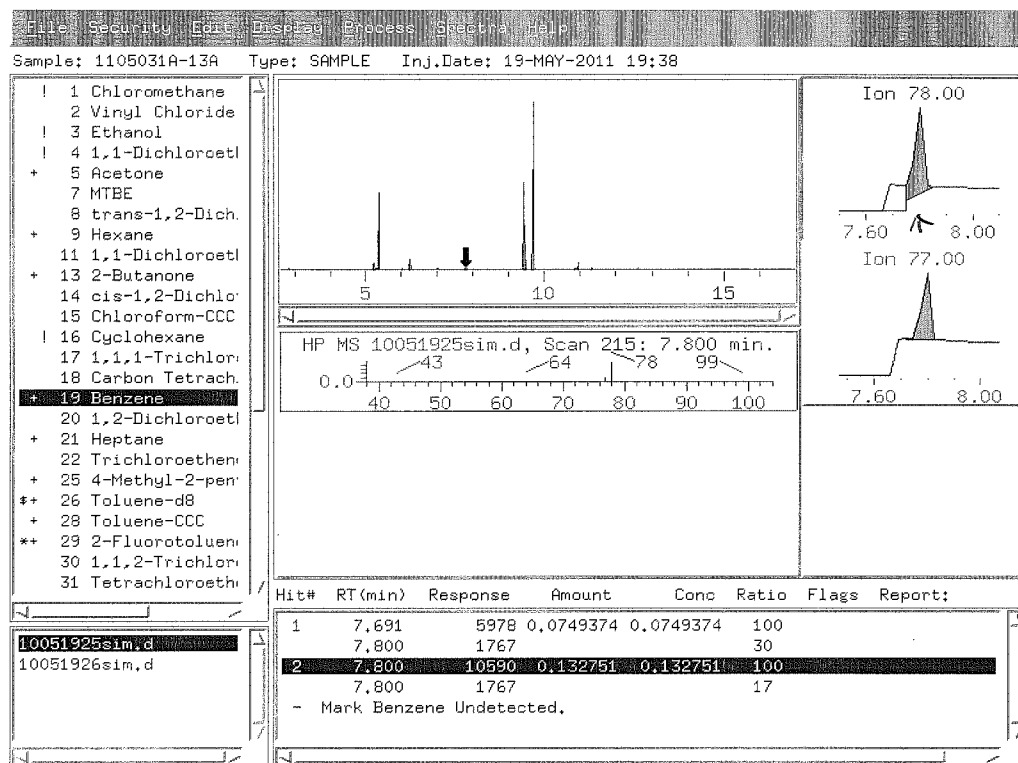
Ref



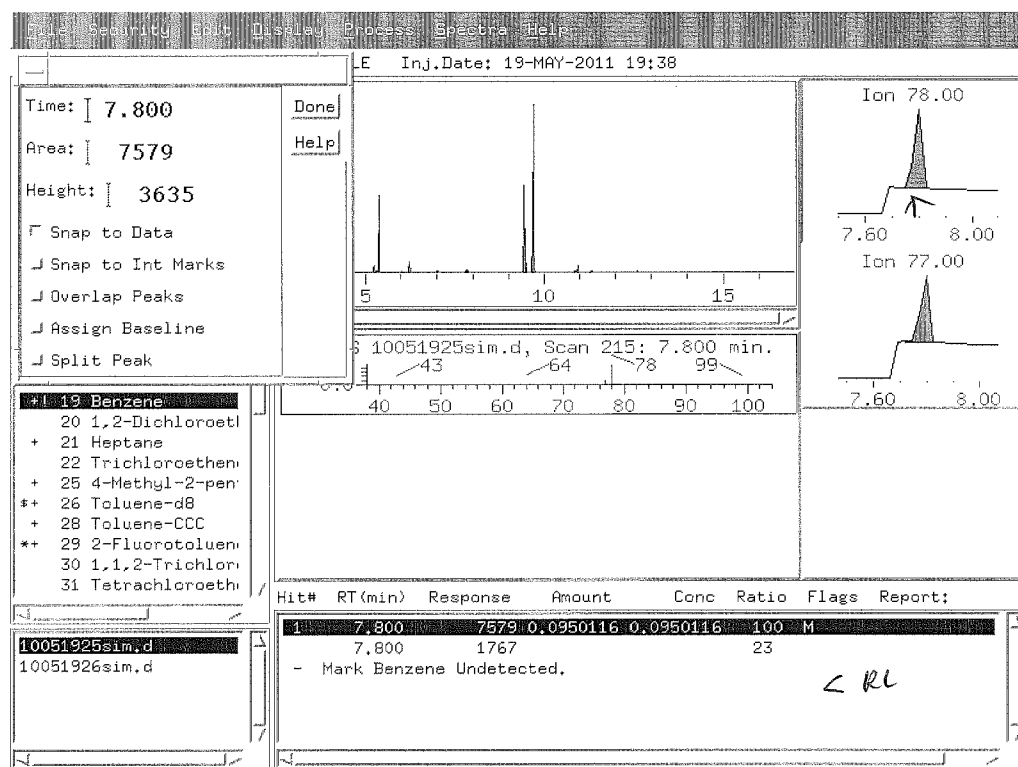
After

6/5/23/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



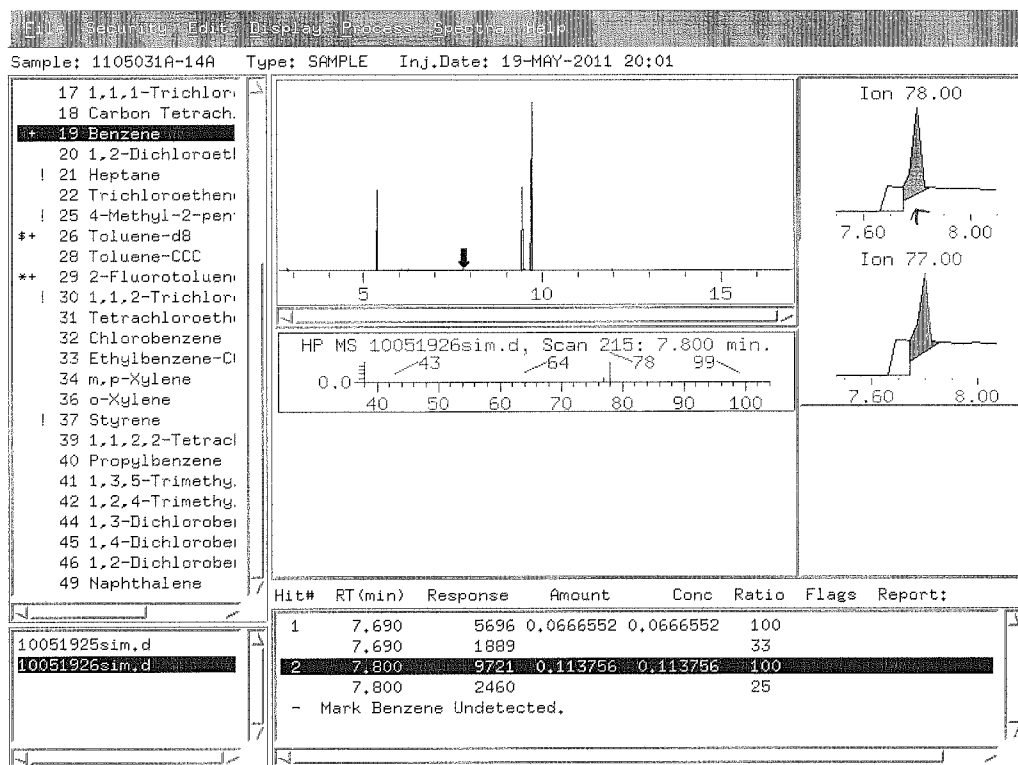
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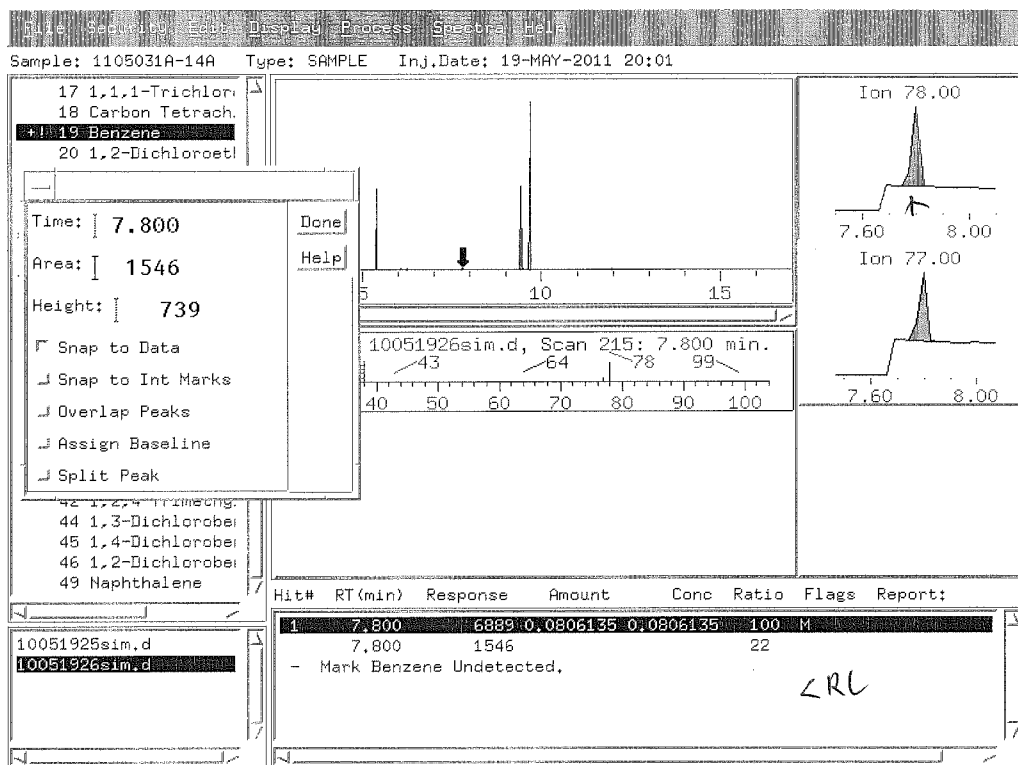
After

5/23/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



Be fi



After

6/5/23/11

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

Compound List

Passive SE GC/MS WMS

CAS Number	Compound	Detection Limit	Type
		ug	
74-87-3	Chloromethane	0.20	
75-01-4	Vinyl Chloride	0.20	
110-54-3	Hexane	0.20	
75-34-3	1,1-Dichloroethane	0.050	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.050	
156-59-2	cis-1,2-Dichloroethene	0.050	
67-66-3	Chloroform	0.050	
110-82-7	Cyclohexane	0.050	
71-55-6	1,1,1-Trichloroethane	0.050	
56-23-5	Carbon Tetrachloride	0.050	
71-43-2	Benzene	0.10	
107-06-2	1,2-Dichloroethane	0.050	
142-82-5	Heptane	0.050	
79-01-6	Trichloroethene	0.050	
108-10-1	4-Methyl-2-pentanone	0.10	
108-88-3	Toluene	0.050	
79-00-5	1,1,2-Trichloroethane	0.050	
127-18-4	Tetrachloroethene	0.050	
108-90-7	Chlorobenzene	0.050	
100-41-4	Ethyl Benzene	0.050	
108-38-3	m,p-Xylene	0.050	
95-47-6	o-Xylene	0.050	
100-42-5	Styrene	0.050	
79-34-5	1,1,2,2-Tetrachloroethane	0.050	
103-65-1	Propylbenzene	0.050	
108-67-8	1,3,5-Trimethylbenzene	0.050	
95-63-6	1,2,4-Trimethylbenzene	0.050	
541-73-1	1,3-Dichlorobenzene	0.050	
106-46-7	1,4-Dichlorobenzene	0.050	
95-50-1	1,2-Dichlorobenzene	0.050	
91-20-3	Naphthalene	0.050	
2037-26-5	Toluene-d8		
75-35-4	1,1-Dichloroethene	0.20	
67-64-1	Acetone	0.20	
1634-04-4	Methyl tert-butyl ether	0.050	
156-60-5	trans-1,2-Dichloroethene	0.10	

@ Air Toxics Ltd	Title: Data Review Checklist		Release Date: 07/28/10	
	Form #: F1.27	Revision #: 2	Revision Date: 07/27/10	Page #: 1 of 2

DATA REVIEW CHECKLIST

Work Order #:

1105031A

A₁ A₂ W T R Q

- ☐ ☐ ☒ ☐ ☐ ☐ Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
- ☐ ☐ ☒ ☐ ☐ ☐ The final report has the correct reporting list, special units, and header info.
- ☐ ☐ ☒ ☐ ☐ ☐ Non-Standard sublist printed/verified, LOQ and LOD verified
- ☐ ☐ ☒ ☐ ☐ ☐ Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
- ☐ ☐ ☒ ☐ ☐ ☐ Sample Discrepancy Report (SDR) is completed
- ☐ ☐ ☐ ☐ ☐ ☐ Corrective Action issued - # _____
- ☐ ☐ ☐ ☐ ☐ ☐ Unusual circumstances have been documented in the notes section below

LUMEN validation report present and initialed

CIRCLE (YES (NO))

- ☐ ☐ ☒ ☐ ☐ ☐ Lab Blank, CCV, LCS and DUP met QC criteria
- ☐ ☐ ☒ ☐ ☐ ☐ Hold time is met for all samples
- ☐ ☐ ☒ ☐ ☐ ☐ Appropriate data qualifier flags are applied
- ☐ ☐ ☒ ☐ ☐ ☐ Manual integrations for samples and QC are properly documented
- ☐ ☐ ☒ ☐ ☐ ☐ Samples analyzed within the project or method specific clock
- ☐ ☐ ☒ ☐ ☐ ☐ Retention times have been verified
- ☐ ☐ ☒ ☐ ☐ ☐ Appropriate ICAL(s) included, %RSD Recalculation
- ☐ ☐ ☒ ☐ ☐ ☐ At least one result per sample is verified against the target quant sheets/raw data
- ☐ ☐ ☒ ☐ ☐ ☐ Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
- ☐ ☐ ☒ ☐ ☐ ☐ Correct amount of sample analyzed (i.e. sample not over-diluted)
- ☐ ☐ ☒ ☐ ☐ ☐ Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
- ☐ ☐ ☒ ☐ ☐ ☐ TICs resemble reference spectra
- ☐ ☐ ☒ ☐ ☐ ☐ TICs between duplicate samples are consistent
- ☐ ☐ ☒ ☐ ☐ ☐ Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
- ☐ ☐ ☒ ☐ ☐ ☐ Data for multiple analyses of sample(s) has been evaluated for comparability of results
- ☐ ☐ ☒ ☐ ☐ ☐ Special units for all samples in the final report are correctly calculated
- ☐ ☐ ☒ ☐ ☐ ☐ Manually entered results checked (i.e. TPH/NMOC)
- ☐ ☐ ☒ ☐ ☐ ☐ Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
- ☐ ☐ ☒ ☐ ☐ ☐ Chain of Custody scanned correctly
- ☐ ☐ ☒ ☐ ☐ ☐ Verify sample id's vs. chain of custody
- ☐ ☐ ☒ ☐ ☐ ☐ Date MDL(s) performed per instrument(s) 10/11/10
- ☐ ☐ ☒ ☐ ☐ ☐ Samples pressurized w/ appropriate gas (N₂ or He) ☒ Other (i.e. Tedlar bag, cartridge, sorbent)
- ☐ ☐ ☒ ☐ ☐ ☐ Final pressure consistent with canister size (6L vs. 1L)
- ☐ ☐ ☒ ☐ ☐ ☐ Verify receipt pressures
- ☐ ☐ ☒ ☐ ☐ ☐ Verify canister ID #'s
- ☐ ☐ ☒ ☐ ☐ ☐ Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
- ☐ ☐ ☒ ☐ ☐ ☐ Final PDF report reviewed for correctness

Notes: (to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)

A/R: Report in ppbv + ug/m³
 %RT for CAA in both LCS and LCSD, no hits in samples
 hits in 13A (TB). Re-run confirmed.
 %RPD Hexane in LCS/LCSD = 26% > 25%

T/Q:

A ₁ /A ₂ (Analytical Review/Date)	W/T (Write-up/Tech Review/Date)	R* (Report Review/Date)	Q (QA Review/Date)
A ₁ :	W: 5/23/11	R:	
A ₂ :	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.

Note (2): Report reviewer and write-up reviewer must be separate individuals for DoD & Client Specific projects.

* Report Review is completed for DoD & Client Specific projects only.

Not Applicable

PASSIVE SAMPLE COLLECTION



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

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Page 1 of 2

Project Manager David Bertrand

Collected by: (Print and Sign) Danielle Bertrand

Company Geosys Inc Email dbertrand@geosys.com

Address 131 Research Lane Suite 200 City Cincinnati State OH Zip 45223

Phone 513-822-2230 Fax 513-822-3151

Project Info:

P.O. # TR0386 2.3

Project # AC 59

Project Name _____

Turn Around Time:

☒ Normal

☐ Rush

Reporting Units:

☐ ppmv

☒ ppbv

☒ µg/m³

specify _____

Lab I.D.	Field Sample I.D. (location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other
----------	------------------------------	-----------	-------------------------------	-----------------------------	------------------------------	----------------------------	--------------------	------------	-------------	----------------------	-------

01A 1A-SLW8 M-69 04/14/11 19:55 04/28/11 16:03 1 Hold Analysis ☒

02A PSS-SLW8 M-68 04/15/11 9:17 04/28/11 16:12 ☒

03A 1A-SLW8 M-68 04/14/11 20:20 04/28/11 16:19 ☒

04A 1A-SLW8 M-99 04/14/11 22:40 04/28/11 16:25 ☒

05A HPV-118-1 M-73 04/28/11 16:49 04/28/11 21:20 ☒

06A HPV-118-2 M-73 04/28/11 16:49 04/28/11 21:20 ☒

07A PSS-SLW8 M-73 04/14/11 23:25 04/28/11 9:43 ☒

08A HPV-C84-1 M-72 04/28/11 11:16 04/29/11 12:39 ☒

09A HPV-C84-2 M-72 04/28/11 11:16 04/29/11 11:48 ☒

10A PSS-SLW8 M-73 04/14/11 23:34 04/29/11 15:37 ☒

Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Relinquished by: (signature) Michelle E. Colet Date/Time 5/2/11 Received by: (signature) B. Bertrand Date/Time 5/3/11 0930

Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Lab Shipper Name _____ Air Bill # _____ Temp (°C) _____ Condition _____ Custody Seals Intact? Yes No None Work Order # 1105001

Use Only Y. Colet N/A Good Yes No None

Results of Radon – 222 Measurement

Customer Name:	Mr. Bill Wertz/Geosyntec	Date:	5/2/2011
Street Address:	Main Street	File ID:	20110502-11018
City, State, Zip:	Johnson City, NY 13790		
Home Phone #:	----	EPA Measurement	Protocol #402-R-92-004
Work Phone #:	518-477-5499	NYSDOH ELAP	Certification #11394
Test Location:	AFD 59, Main Street Johnson City, NY 13790	Test Type:	Preliminary Screening: Short Term
		Test Device:	E-Perm Electret Ion Chamber

Electret No.	Type	Location	Start Date	End Date	Results (pCi/L)
SFS141	SST	AFD 59, Room SL118	4/14/2011	4/28/2011	1.4
SFS103	SST	AFD 59, Room SL084	4/14/2011	4/28/2011	1.2
SFR984	SST	AFD 59, Room SLO22	4/14/2011	4/28/2011	1.1
SFS027	SST	Blank	4/14/2011	4/28/2011	<0.2

Average Radon Concentration ---- pCi/L

Analyzed By: Richard J. Tarnowski _____

Current EPA guidelines set 4.0 pCi/L as a threshold for continuous residential radon exposure above which remedial action has been determined to be warranted. EPA produced consumer information has been included with this report. Please read these documents carefully.

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Testing was performed within the guideline of the EPA's testing protocols unless noted above. However, radon levels can fluctuate dramatically depending on weather, seasonal conditions, ventilation and other factors. In addition, while due diligence has been undertaken to ensure proper testing protocol, no testing done on property owned by a second party can be guaranteed by the tester to be free of tampering.

If the above count(s) are below 4.0 pCi/L, the level is considered acceptable, however, further long term testing may be advisable if a confirmed annual average below 4.0 pCi/L is desired.

DISCLAIMER:

The uncertainty of this radon measurement is +/- 0.1 pCi/L. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection conditions, and operation of the building. Interference with test conditions may influence the test results. All procedures used for generating this report are in complete accordance with the current EPA protocols for the sampling and analysis of radon gas and are believed by ENVIRO TESTING to be accurate and reliable. The levels indicated in this report reflect conditions existing at the time of sampling only. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ENVIRO TESTING for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

This lab report shall not be reproduced (except in full) without the written permission of ENVIRO TESTING.

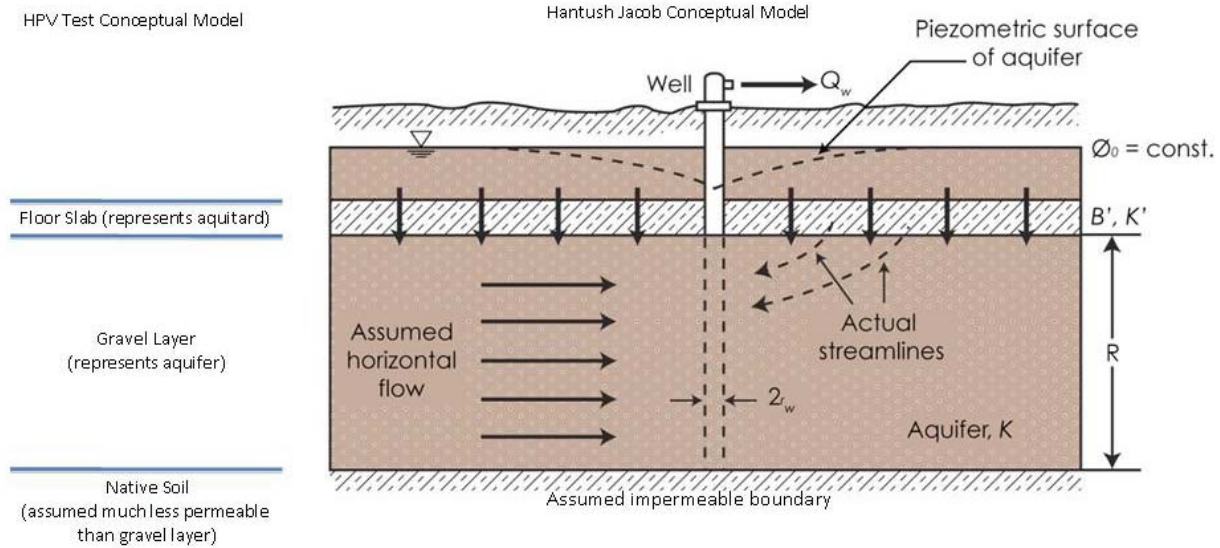
APPENDIX B

HIGH PURGE VOLUME TEST TRANSIENT VACUUM DATA ANALYSIS

Appendix B

High Purge Volume Test Transient Vacuum Data Analysis

The Hantush and Jacob (1955) leaky aquifer model was used to analyze the transient vacuum response to the cyclic operation of the ShopVac at each location. A conceptual sketch of the model assumptions is shown in the Figure below.



The model assumes that the gravel layer below the slab transmits gas readily (i.e., acts as an aquifer), the floor slab above the gravel allows a restricted but finite recharge of vertical flow (i.e., acts as a "leaky aquitard"), and the native soil below the gravel layer is much less permeable than the gravel layer. If the native soil has a high permeability, the analysis may overestimate the leakage through the slab, which is considered conservative in the context of assessing the potential for subsurface vapor intrusion. The leaky aquifer model has been used in similar situations for analysis of transient vacuum response during soil vapor extraction (SVE) and landfill gas extraction pilot tests (e.g. Beckett and Huntley, 1994; Thrupp et al., 1996, 1998).

The leakage factor (B) is defined as follows:

$$B = \sqrt{\frac{Tb'}{K'}} \quad (1)$$

where: T = Transmissivity of the zone of extraction (L^2/T),

b' = Thickness of the semi-confining zone (L),

K' = Vertical Pneumatic Conductivity of the semi-confining zone (L/T).

The transient vacuum response (drawdown and recovery) data (Figure 2) were fitted to the Hantush-Jacob Leaky Aquifer Model type-curves (Figure 3), after correcting for the density and viscosity of air compared to water (Thrupp et al., 1996) in order to calculate the transmissivity of the sub-slab gravel layer (T) and the vertical leakage through the floor slab (B).

Transmissivity values ranged from 27.5 square feet per day (ft²/day) at HPV-022 to 51.2 ft²/day at HPV-022 just below the slab, which is consistent with high permeability materials. Leakance values ranged from 1.3 ft at HPV-084 to 2.8 ft at HPV-022 based on data from the sub-slab probes. The leakance value is inversely proportional to the vertical pneumatic conductivity of the overlying floor slab; therefore, a larger leakance value indicates a less leaky floor slab. The floor slab in the area of HPV-022 and HPV-084 show a high amount of leakage.

An approximation of the leaky aquifer solution for steady-state flow conditions can be used to calculate the subsurface vacuum as a function of distance from the point of extraction (Bear, 1979):

$$S(r) = \frac{Q_w}{2\pi T} K_0(r/B) \quad (2)$$

where: B is the leakage factor as defined above (Equation 1), and

$S(r)$ = (vacuum) in units of air column,

r = distance from extraction point (L),

Q_w = Discharge from the extraction point (L³/T),

T = Transmissivity of the zone of extraction (L²/T),

K_0 = Modified Bessel Function of the second kind of order zero of (r/B) (dimensionless)

The profile of vacuum versus distance calculated using Equation 2 was compared to the steady-state measured vacuum at each of the CTPs (Figure 4). The calculated vacuum values match reasonably well with the measured vacuum levels; therefore, this provides an independent verification of the calculated T and B values. Once the vacuum and transmissivity are known, the profile of induced sub-slab gas velocity can be calculated using Darcy's Law (Figure).

The leakance value and transmissivity can also be used to calculate the travel time for subslab vapor to be drawn from a certain radial distance to the extraction point (Figure 6). The HPV tests were conducted for a total duration ranging from 70 to 78 minutes (excluding the HPV test at HPV-118 where vacuum influence was not observed at any of the CTPs). By projecting this time on the vertical axis of Figure 6 across to the leaky model curve and down to the horizontal axis, one can determine the radial distance to which vapors were extracted during each test, which is shown as a solid line surrounding each HPV location in Figure 3 (in report). The radial distance to which soil gas was extracted is a function of the amount of leakage occurring at each location, the extraction flow rate and the duration of each test. Three summa canister samples were collected over the duration of the HPV test at approximately 5 and 20 minutes and at the end of the test, therefore the distance from which gas was extracted during the sample collection interval can be determined by projecting the time the summa canister was sampled on the interval on the vertical axis of Figure 6 across to the leaky model curve in a similar fashion.

The proportion of gas withdrawn from the subsurface ($Q(r)$) as a function of the radius from which the vapors were drawn can be calculated using equation 3.

$$Q(r)/Q_w = \frac{r}{B} K_1(r/B) \quad (3)$$

where: r , B , and Q_w are as defined above, and

$Q(r)$ is flow through zone of extraction (subslab) at distance r from extraction well (L^3/T), and K_1 = Modified Bessel Function of the second kind of order one of (r/B) (dimensionless).

Equation 3 can be used to calculate the influence of leakage on dilution of samples collected during the HPV test, and make a quantitative adjustment to the results of laboratory analysis for comparison to risk-based screening levels. For a time-weighted sample, the area integrated under the curve drawn using Equation 3 represents the volume of gas drawn from the subsurface, and the area integrated over the curve represents the volume of gas contributed by leakage (see Figure 7). For an instantaneous sample, the point on the curve corresponding to the time the grab sample was collected provides information on the relative proportions contributed to the sample from the porous media and from leakage. Based on the model the percentage of sample consisting of soil gas ranged from 30% (HPV-084) to 34% (HPV-022) for the time-weighted average samples. The Hantush Jacob model assumes that all of the leakage is downward from above, which will tend to overestimate the leakage of indoor air through discontinuities in the slab, which is conservative (protective) for risk assessment purposes. Additional discussion is provided in the main body of the report.

**High Purge Volume Test
Transient Vacuum Data Analysis Using the Hantush-Jacob Model
Extraction at HPV-022, monitoring at TP-022-7**

Figure 1: Plan View Map of High Purge Volume (HPV) Test Point and Communication Test Points (CTP)

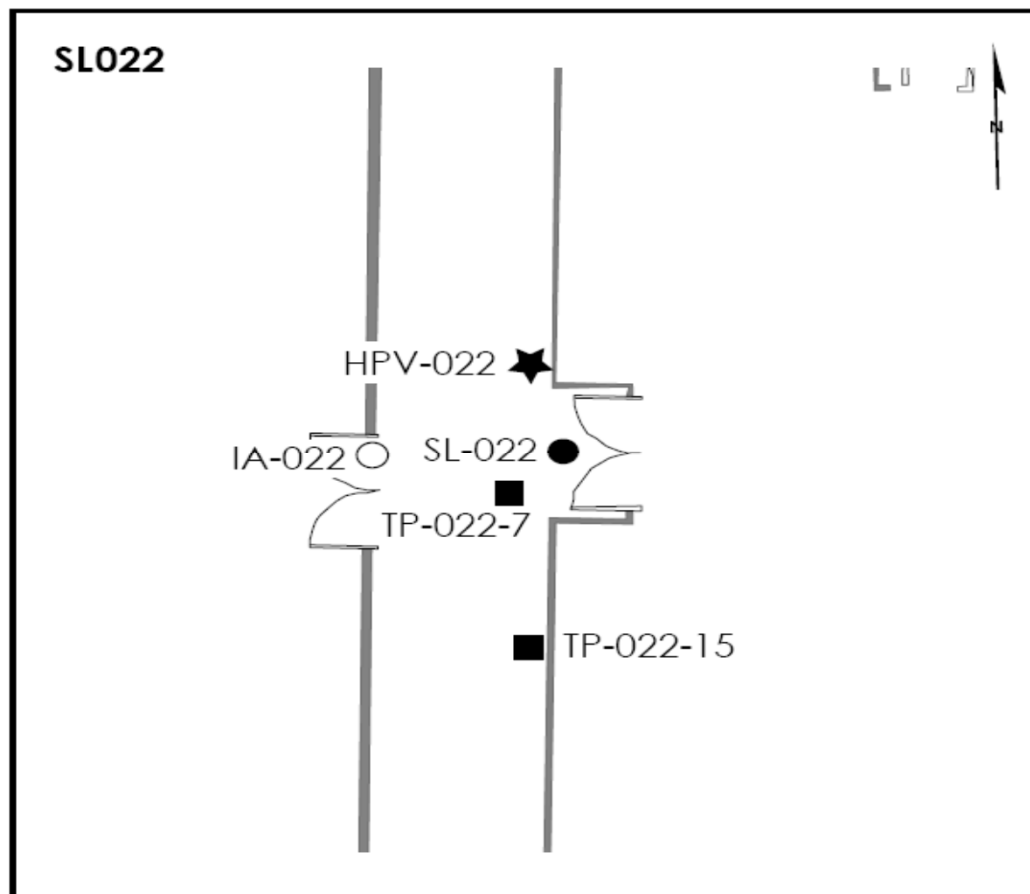


Figure 2: Vacuum Versus Time at TP-022-7 in Response to Cyclic Operation of the Blower at HPV-022

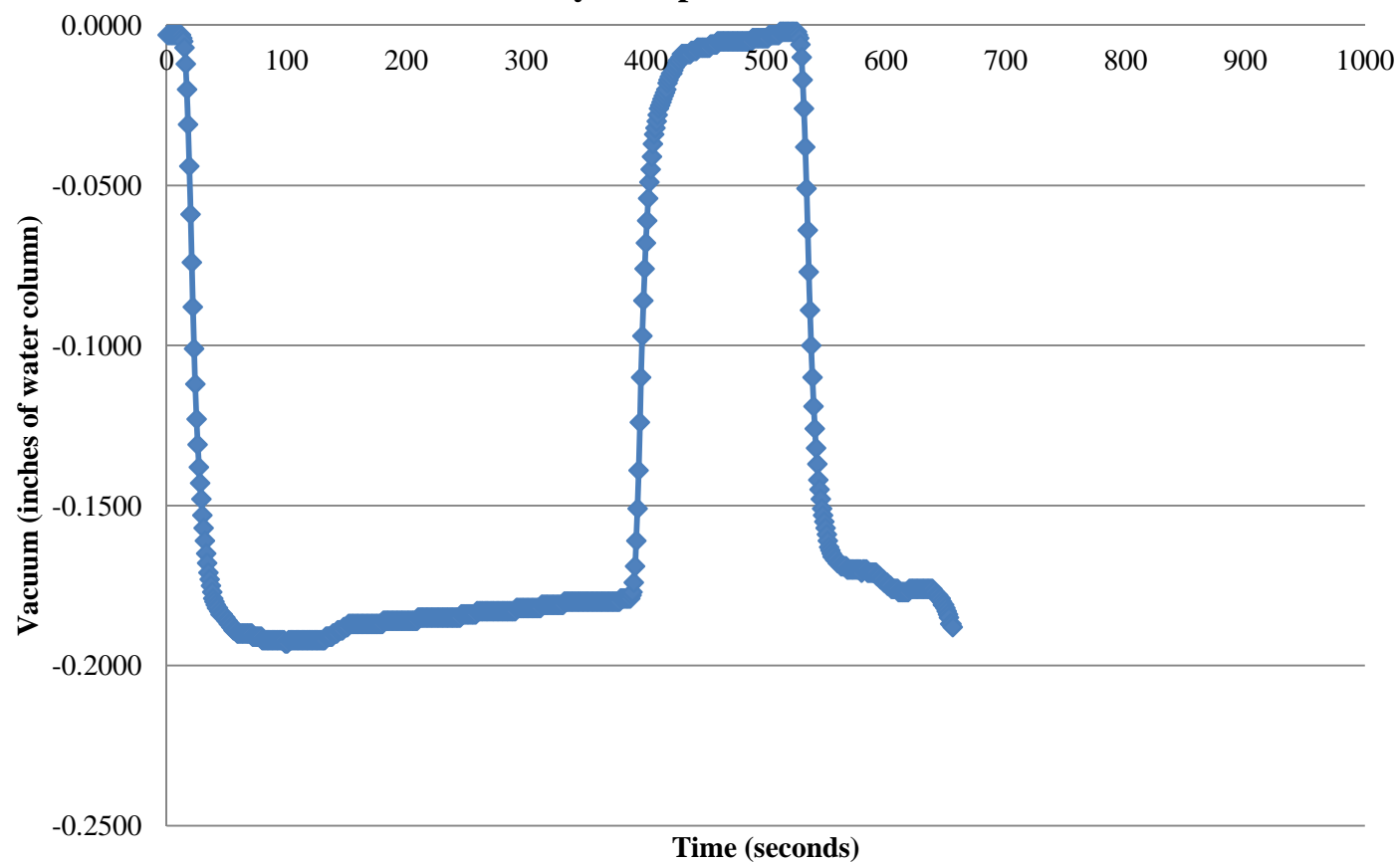


Figure 3: Graphical Output of Hantush-Jacob Model Fit to Transient Vacuum Versus Time Data

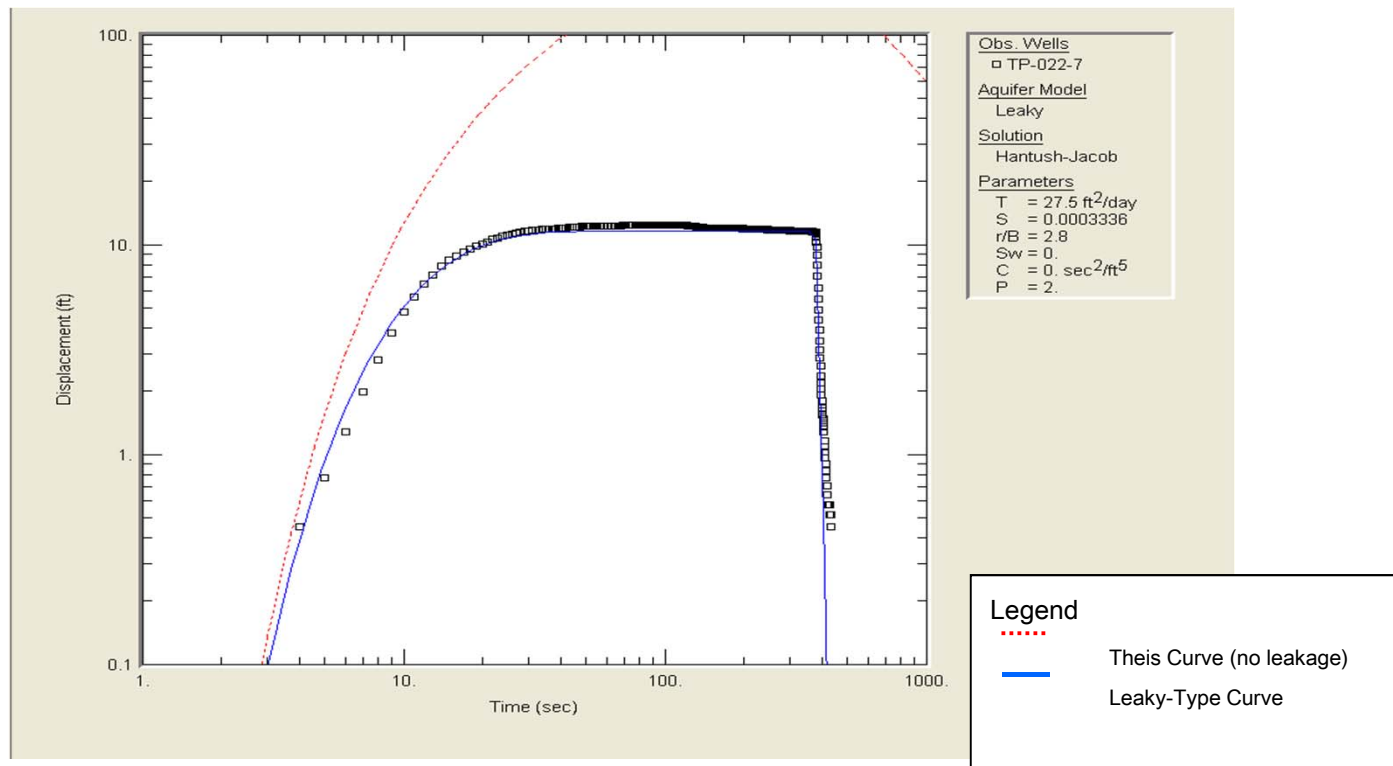


Figure 4: Comparison Between Calculated Vacuum Versus Radial Distance and Measured Vacuum at CTP Locations

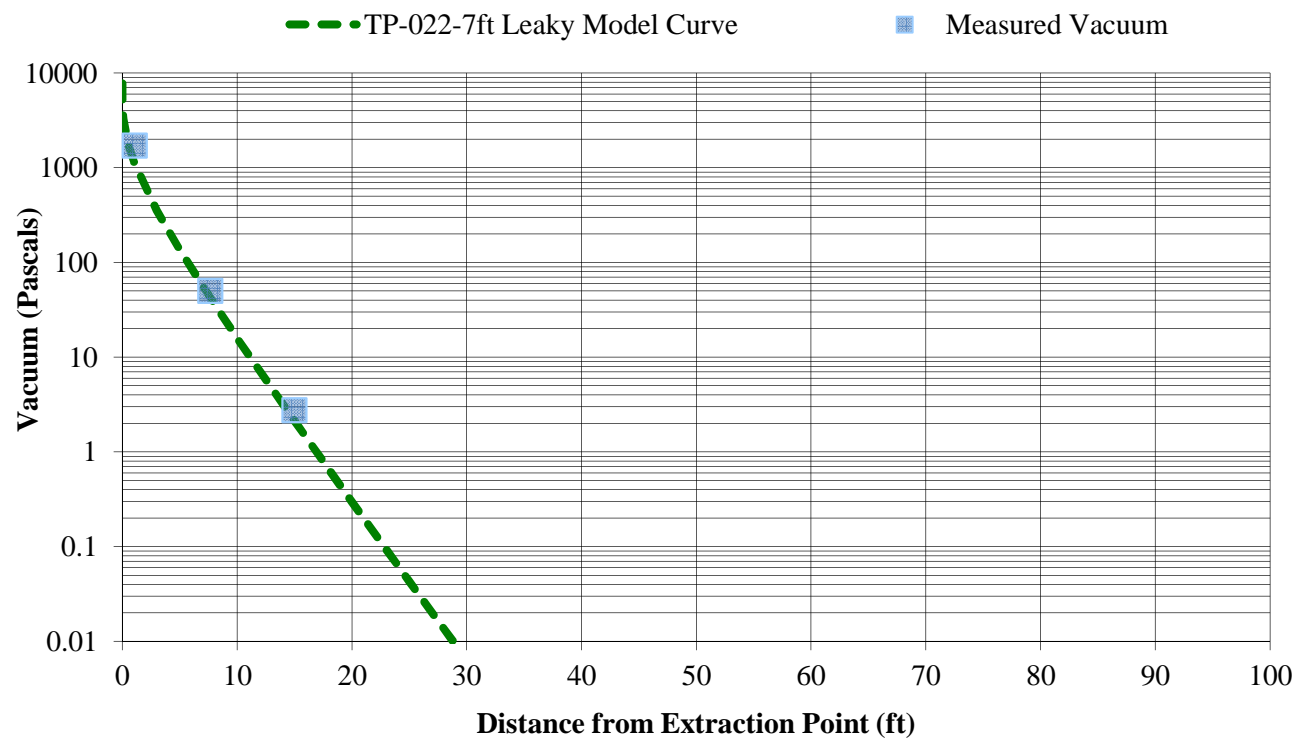
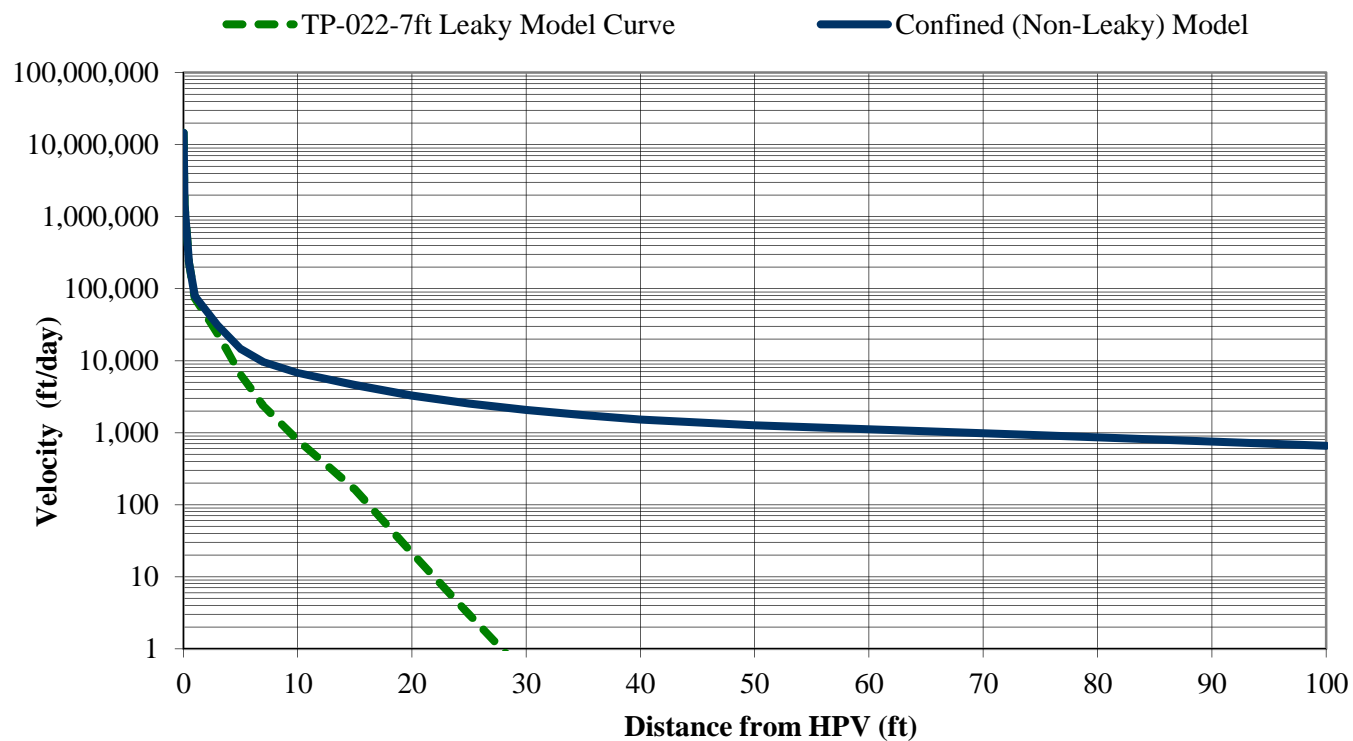
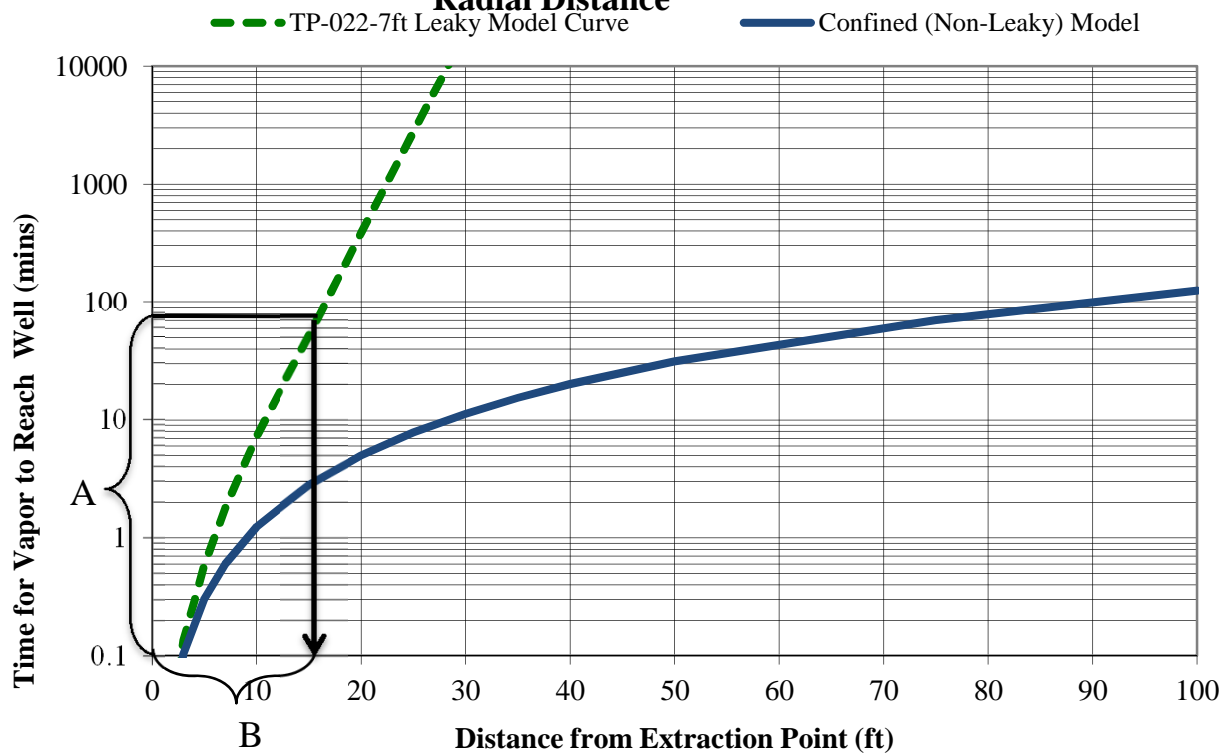


Figure 5: Comparison Between Subslab Soil Gas Velocity Calculated From Leaky Aquifer Model and Non-Leaky Model



Note: Induced velocity of 10 ft/day or more extends to a radial distance of 22.5feet

Figure 6: Calculated Travel Time to Extraction Point vs. Radial Distance

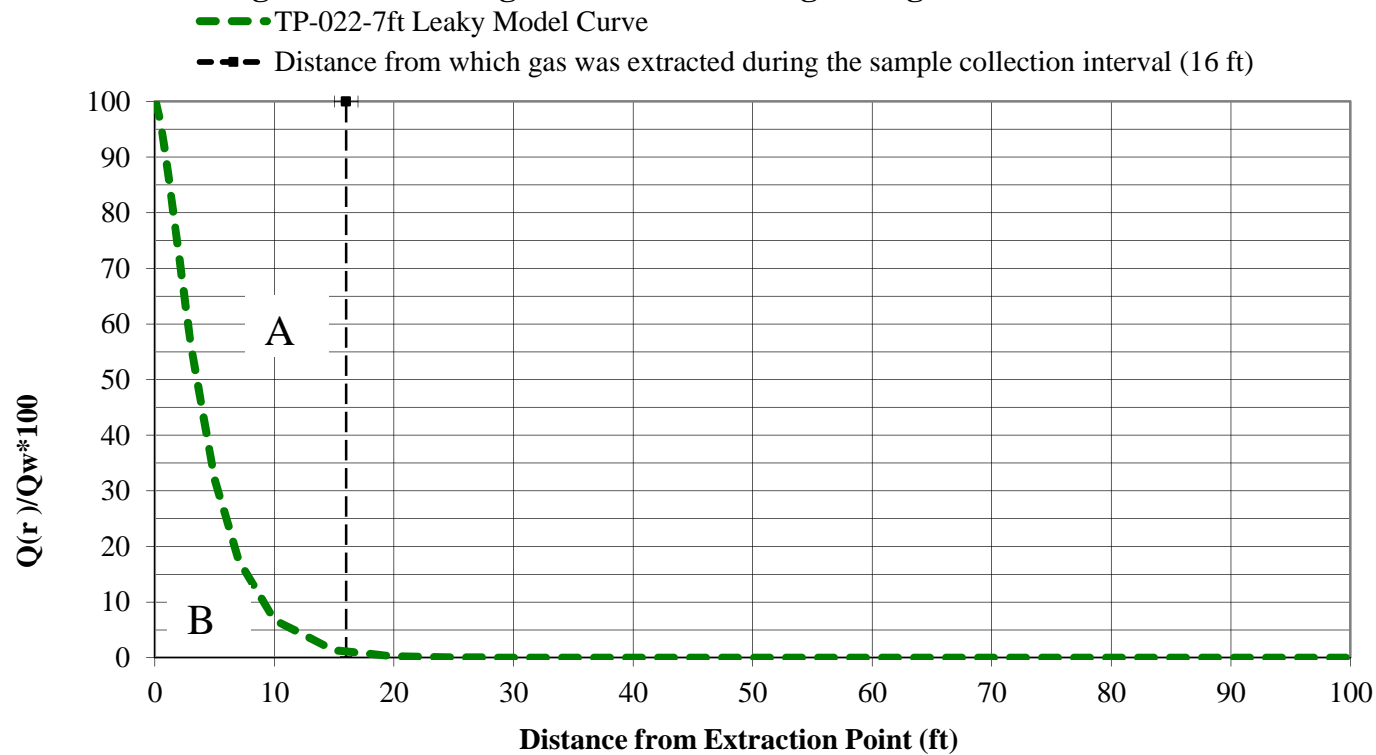


A = Duration of sample collection (78 minutes)

B = Distance from which gas was extracted during the sample collected interval (16 feet)

Note: Travel time of 1 day (1440 minutes) extends to a radial distance of 22.5 feet from extraction point

Figure 7: Percentage of Total Flow Originating below the Slab vs. Radius



A - Area integrated above the curve represents leakage during sample collection interval

B - Area integrated below the curve represents soil gas extracted from subslab region during the sample collection interval

Proportion of sample consisting of soil gas = $B/(B+A)$

Location Name	Radius (ft)	Flowrate (ft ³ /min)
TP-022-7	7.67	31.1

Model Fitting Parameters		
T (ft ² /d)	r/B	B (ft)
27.5	2.80	2.7

	Value	Units
Total Test Duration	78	min
Radius of Gas Extracted During Test	16	ft
Sample Start Time	0	min
Sample End Time	78	min
Radius of Gas Extracted During Sample Collection (Figure 6)	16	ft
Proportion of sample consisting of soil gas = B/(B+A) (Figure 7)		34%

	Value	Units
Radius of Induced Velocity > 10 ft/day (Figure 5)	23	ft
Radius of Gas Extracted with a Travel Time < 1 day (Figure 6)	23	ft

Notes:

T - transmissivity	ft - feet	ft ³ - cubic feet
B - leakage value	d - day	ft ² - square feet
r - radius	min - minutes	b - aquifer thickness

**High Purge Volume Test
Transient Vacuum Data Analysis Using the Hantush-Jacob Model
Extraction at HPV-022, monitoring at TP-022-15 First Cycle**

Figure 1: Plan View Map of High Purge Volume (HPV) Test Point and Communication Test Points (CTP)

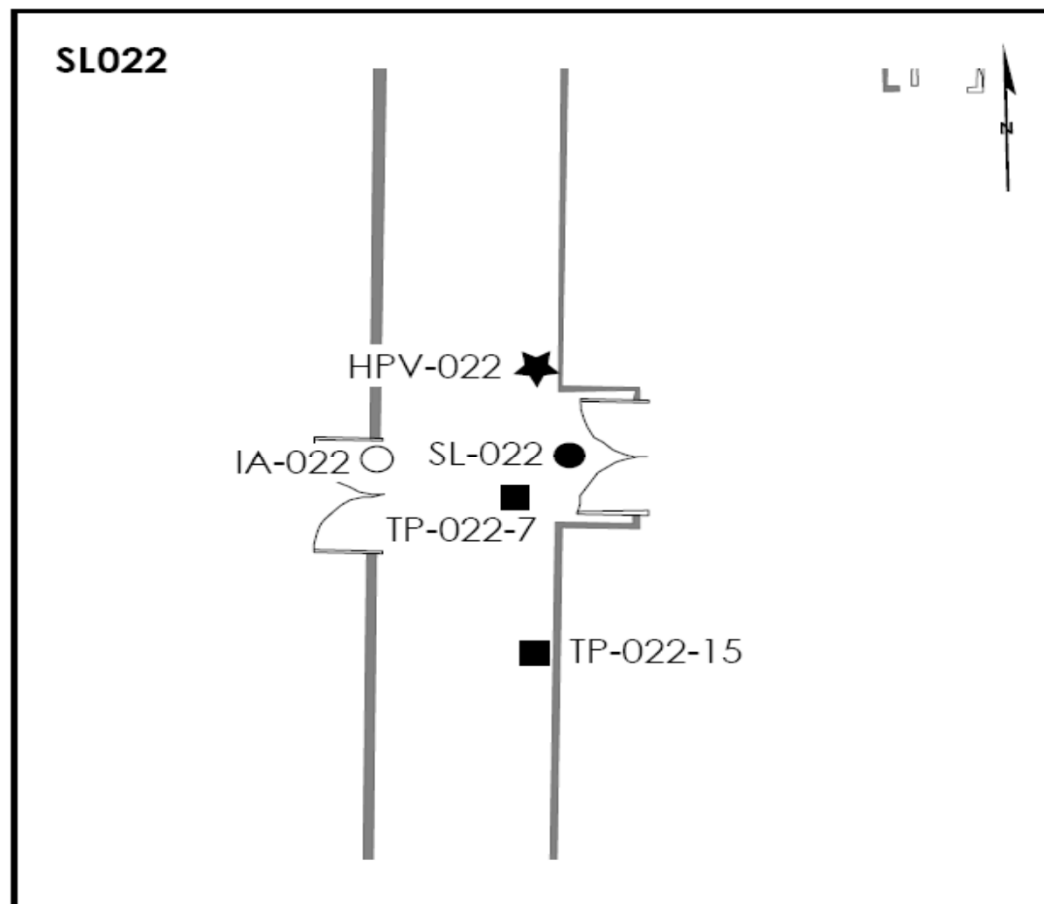
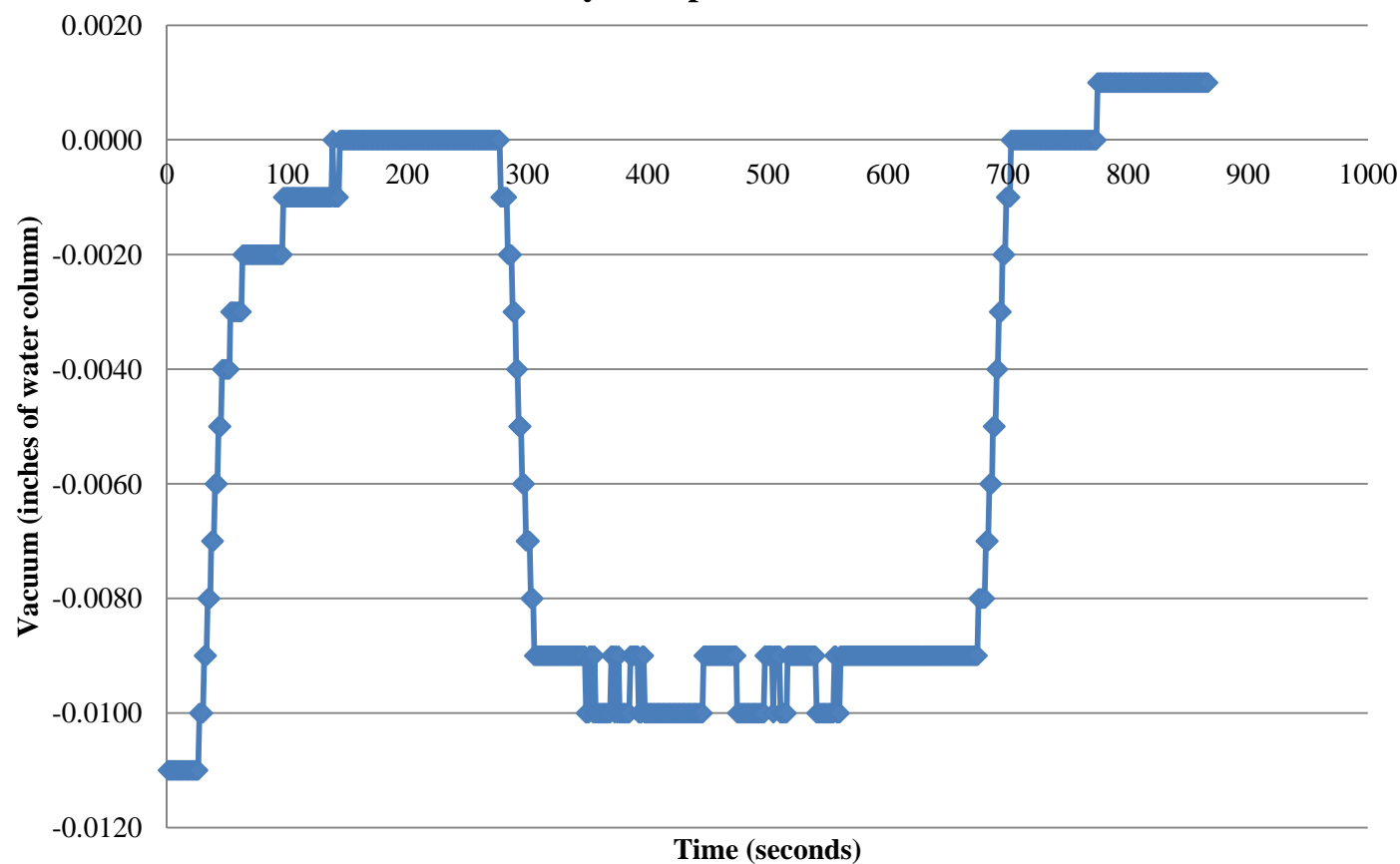
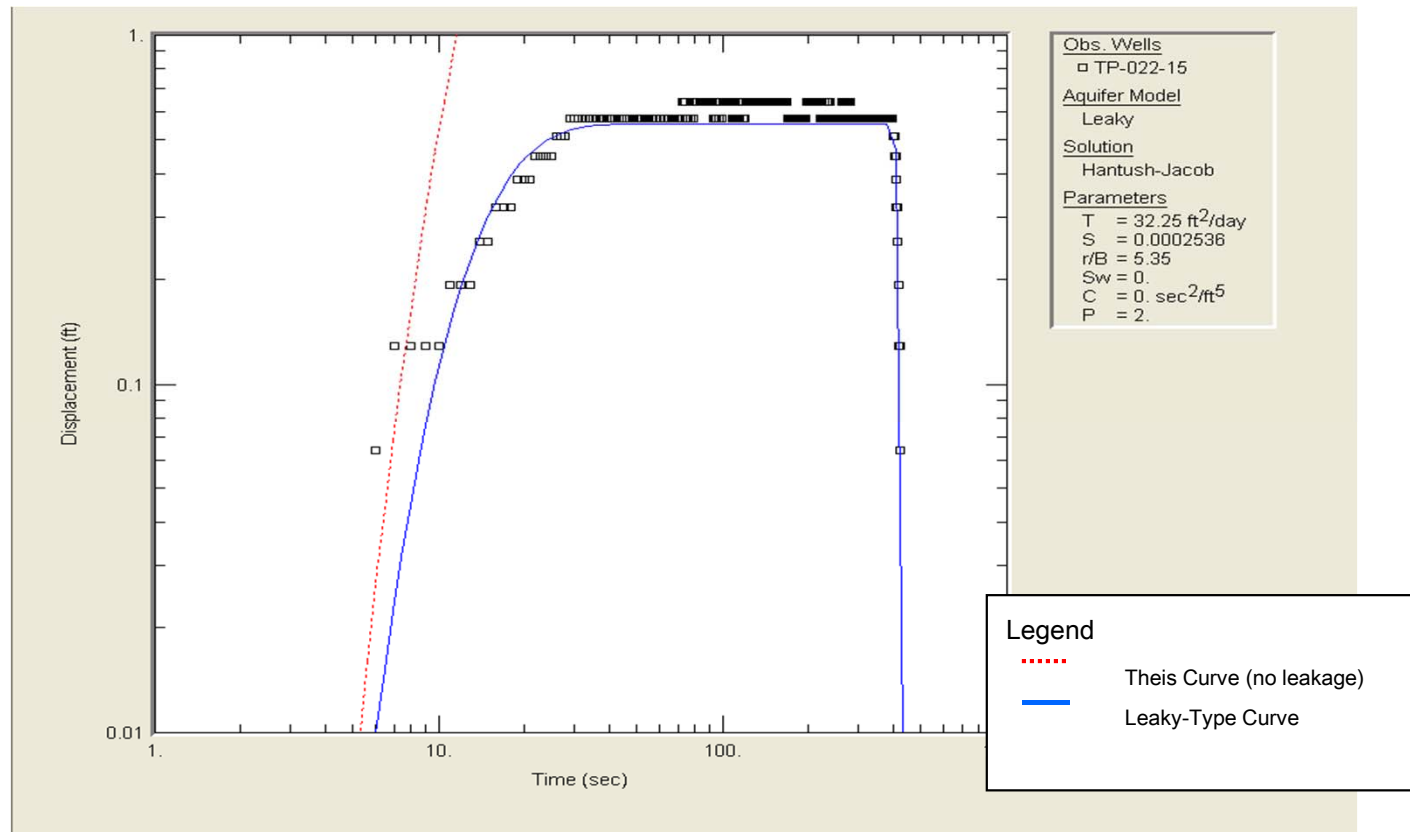


Figure 2: Vacuum Versus Time at TP-022-15 in Response to Cyclic Operation of the Blower at HPV-022



**Figure 3: Graphical Output of Hantush-Jacob Model Fit to
Transient Vacuum Versus Time Data**



**Figure 4: Comparison Between Calculated Vacuum Versus Radial Distance
and Measured Vacuum at CTP Locations**

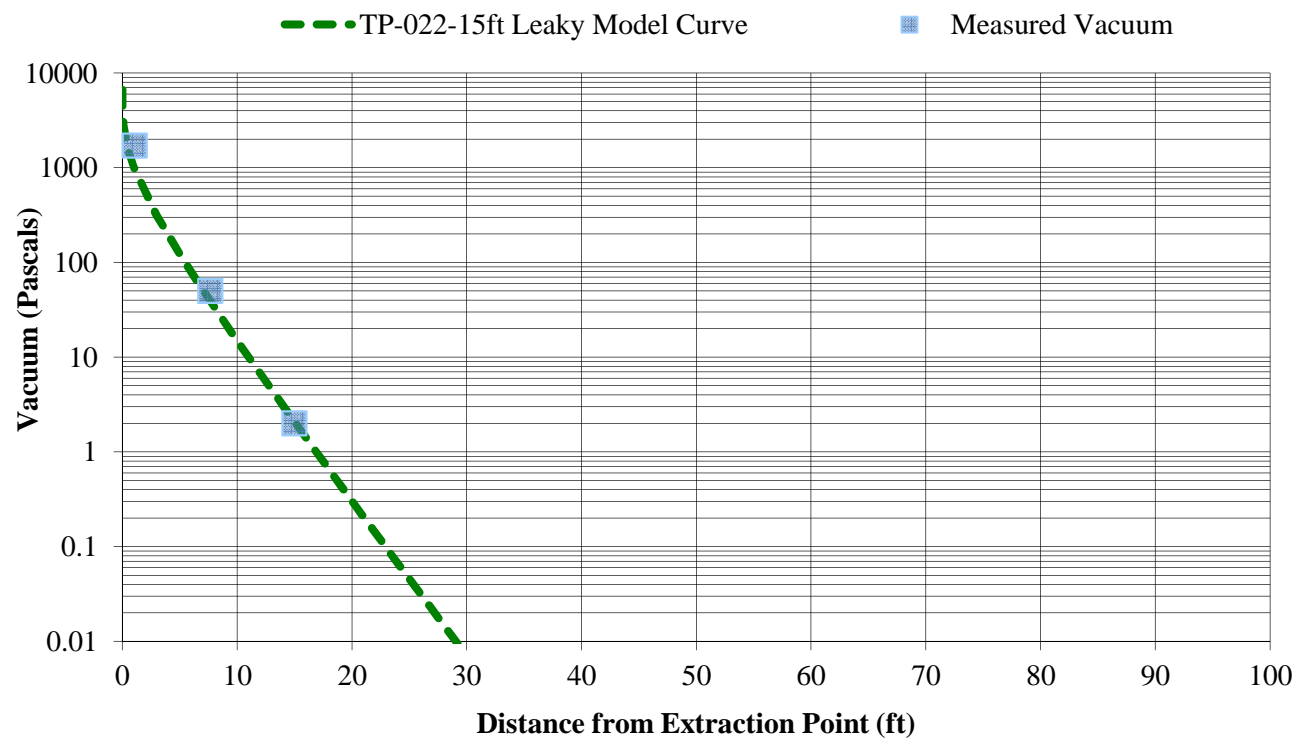
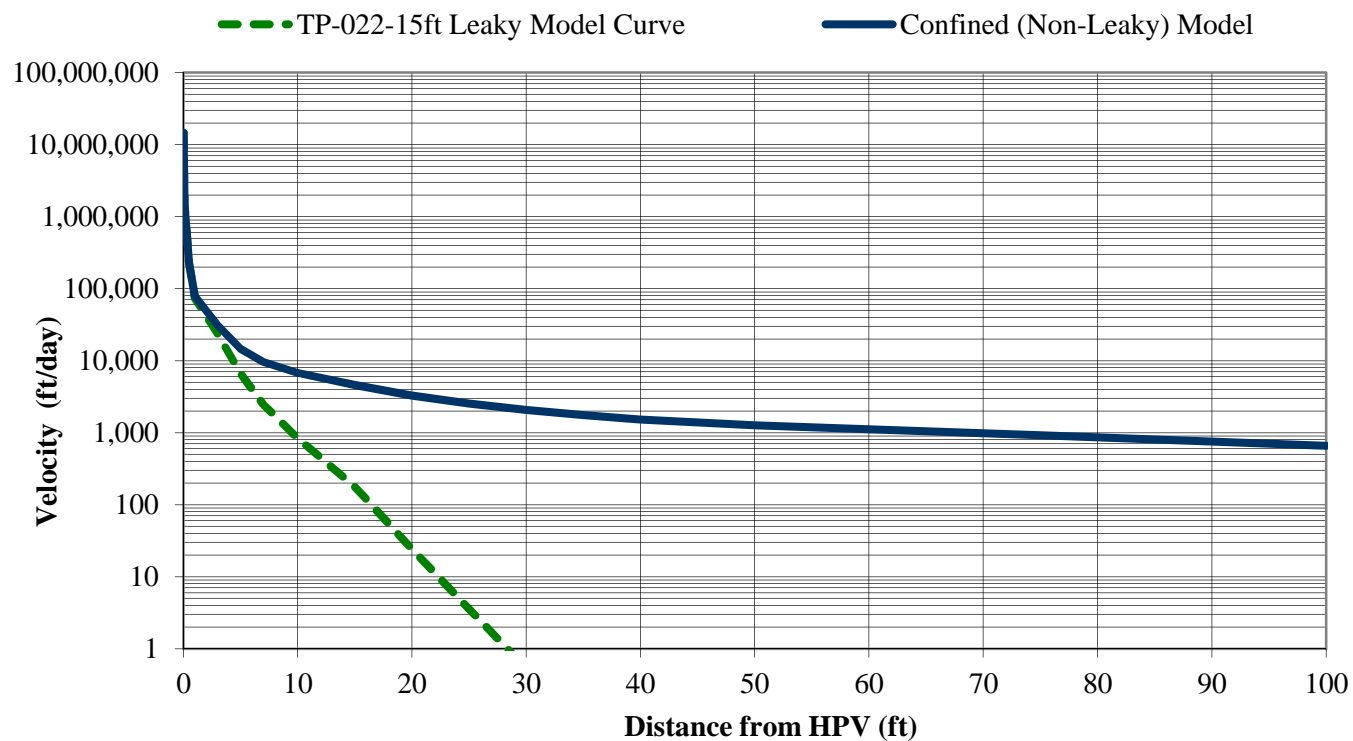
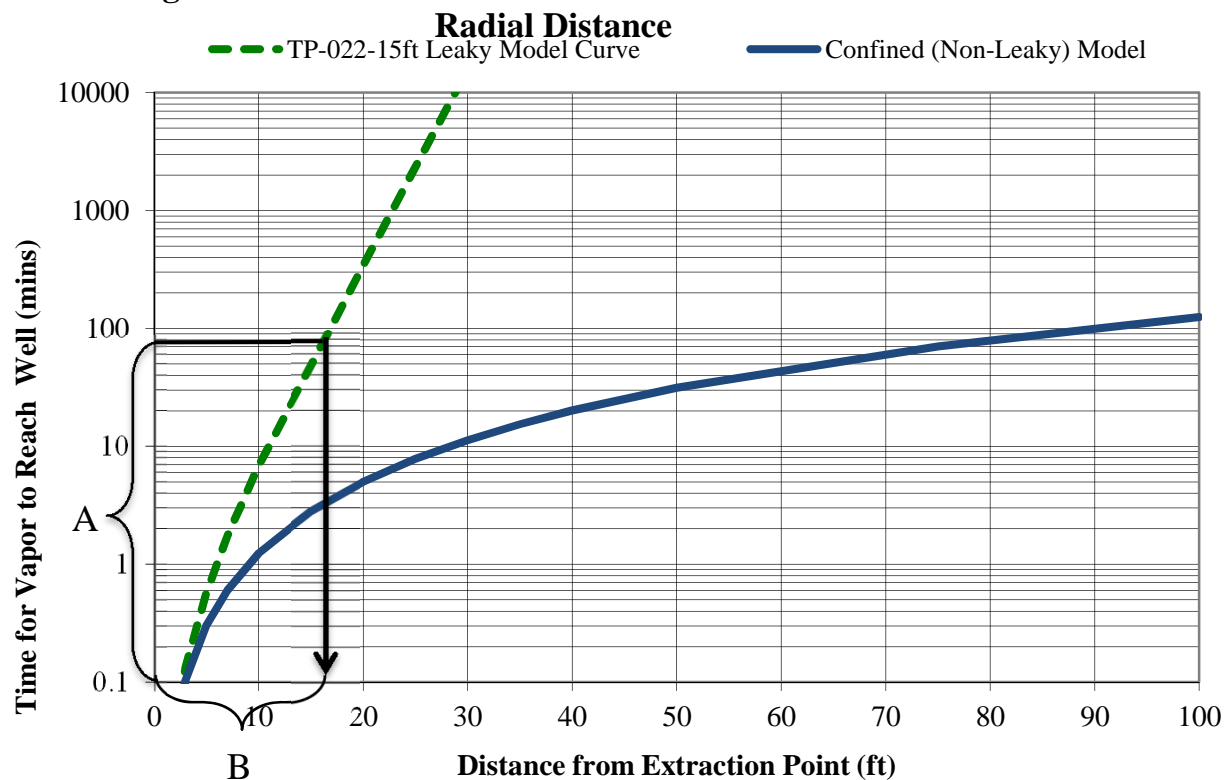


Figure 5: Comparison Between Subslab Soil Gas Velocity Calculated From Leaky Aquifer Model and Non-Leaky Model



Note: Induced velocity of 10 ft/day or more extends to a radial distance of 23.5feet

Figure 6: Calculated Travel Time to Extraction Point vs.

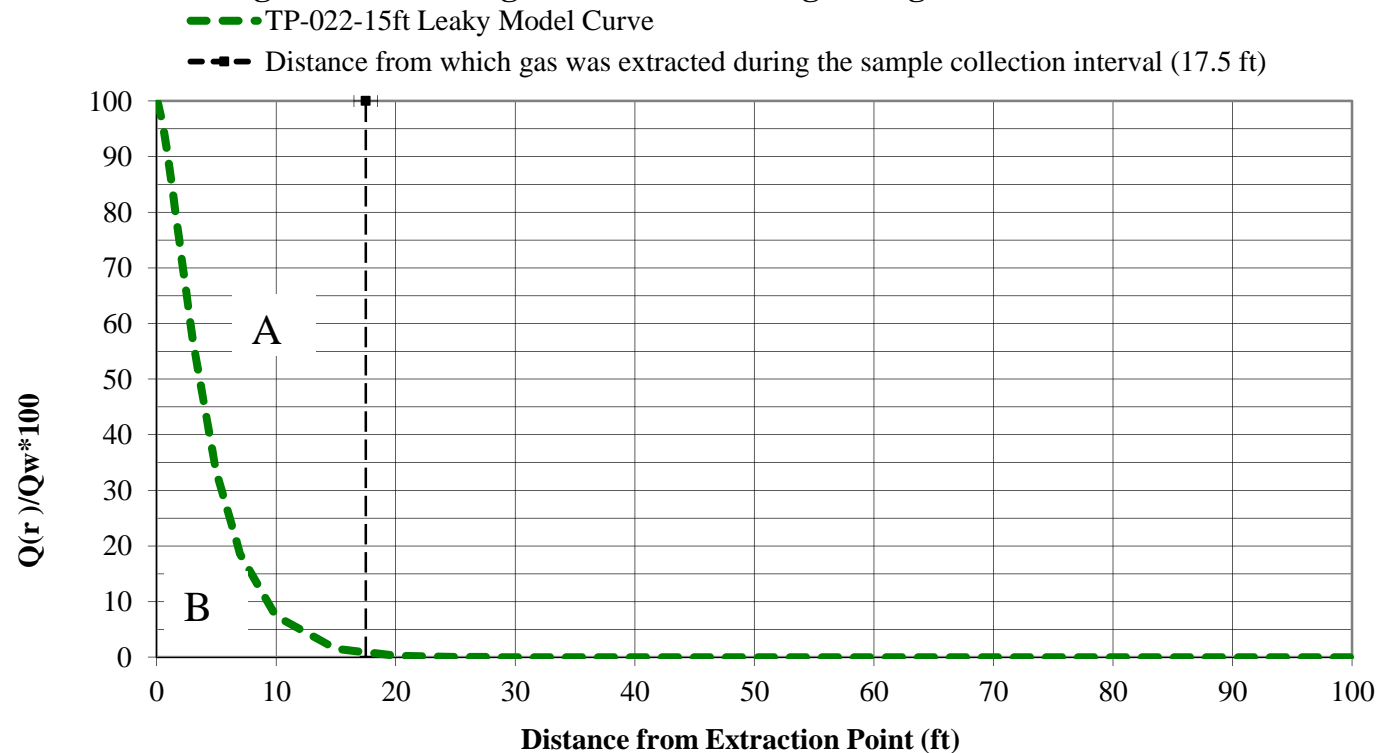


A = Duration of sample collection (78 minutes)

B = Distance from which gas was extracted during the sample collected interval (17.5 feet)

Note: Travel time of 1 day (1440 minutes) extends to a radial distance of 24 feet from extraction point

Figure 7: Percentage of Total Flow Originating below the Slab vs. Radius



A - Area intergrated above the curve represents leakage during sample collection interval

B - Area intergrated below the curve represents soil gas extracted from subslab region during the sample collection interval

Proportion of sample consisting of soil gas = $B/(B+A)$

Location Name	Radius (ft)	Flowrate (ft ³ /min)
TP-022-15	15	31.1

Model Fitting Parameters		
T (ft ² /d)	r/B	B (ft)
32.3	5.35	2.8

	Value	Units
Total Test Duration	78	min
Radius of Gas Extracted During Test	17.5	ft
Sample Start Time	0	min
Sample End Time	78	min
Radius of Gas Extracted During Sample Collection (Figure 6)	17.5	ft
Proportion of sample consisting of soil gas = B/(B+A) (Figure 7)		32%

	Value	Units
Radius of Induced Velocity > 10 ft/day (Figure 5)	24	ft
Radius of Gas Extracted with a Travel Time < 1 day (Figure 6)	24	ft

Notes:

T - transmissivity	ft - feet	ft ³ - cubic feet
B - leakage value	d - day	ft ² - square feet
r - radius	min - minutes	b - aquifer thickness

**High Purge Volume Test
Transient Vacuum Data Analysis Using the Hantush-Jacob Model
Extraction at HPV-084, monitoring at SL-084**

Figure 1: Plan View Map of High Purge Volume (HPV) Test Point and Communication Test Points (CTP)

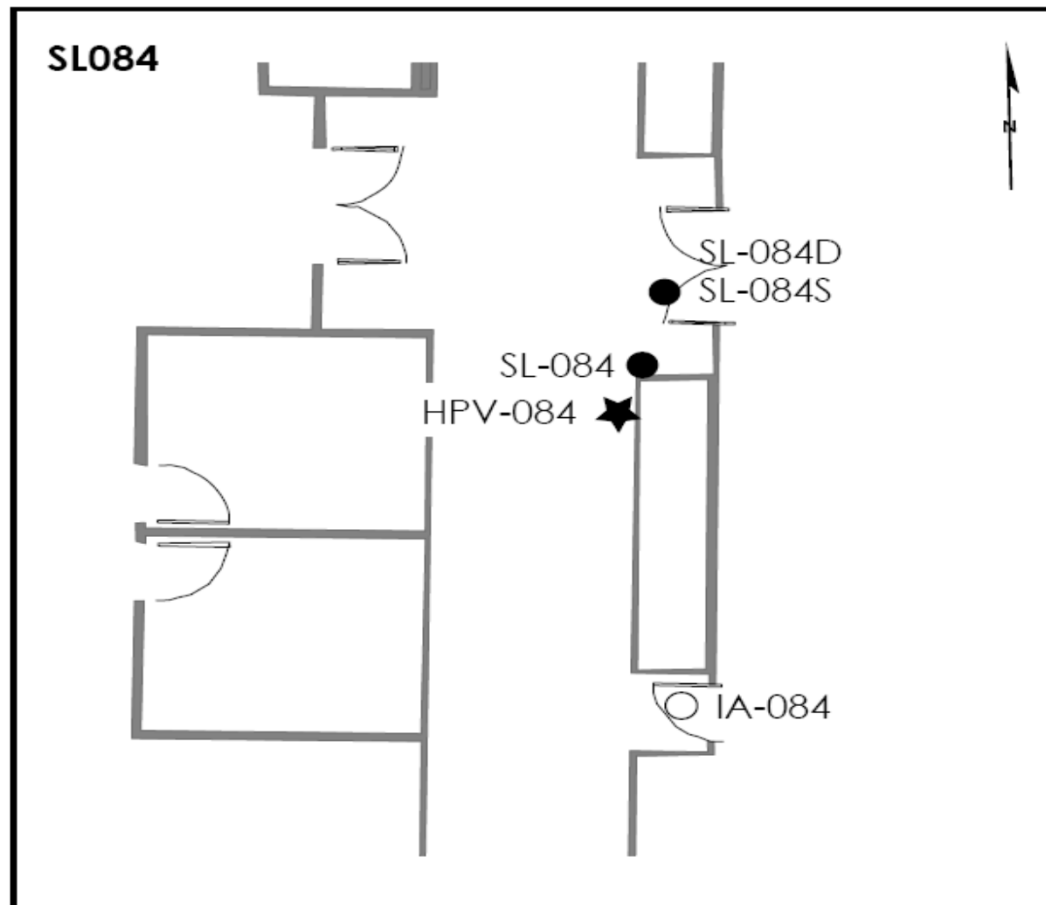
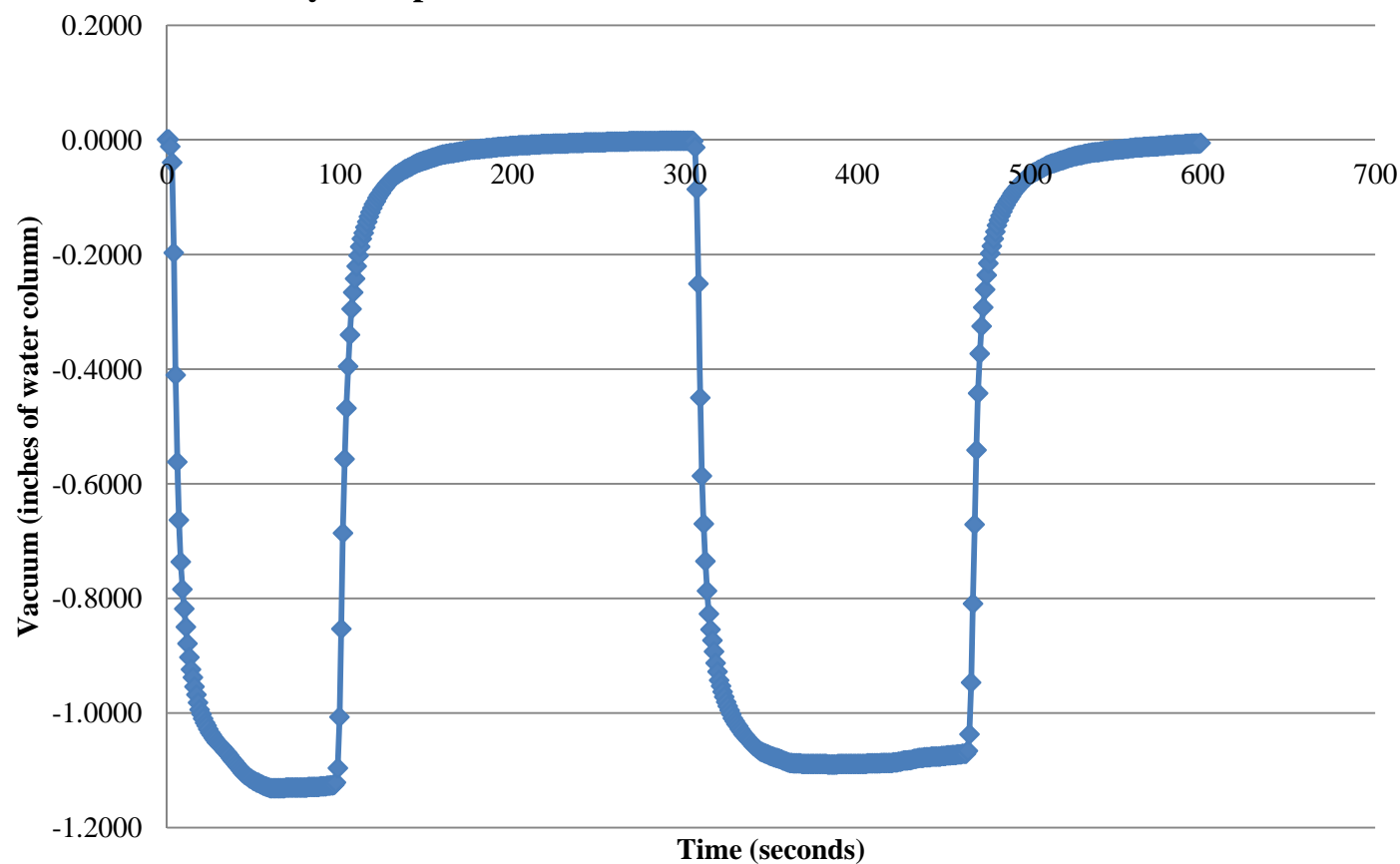


Figure 2: Vacuum Versus Time at SL-84 in Response to Cyclic Operation of the Blower at HPV-084



**Figure 3: Graphical Output of Hantush-Jacob Model Fit to
Transient Vacuum Versus Time Data**

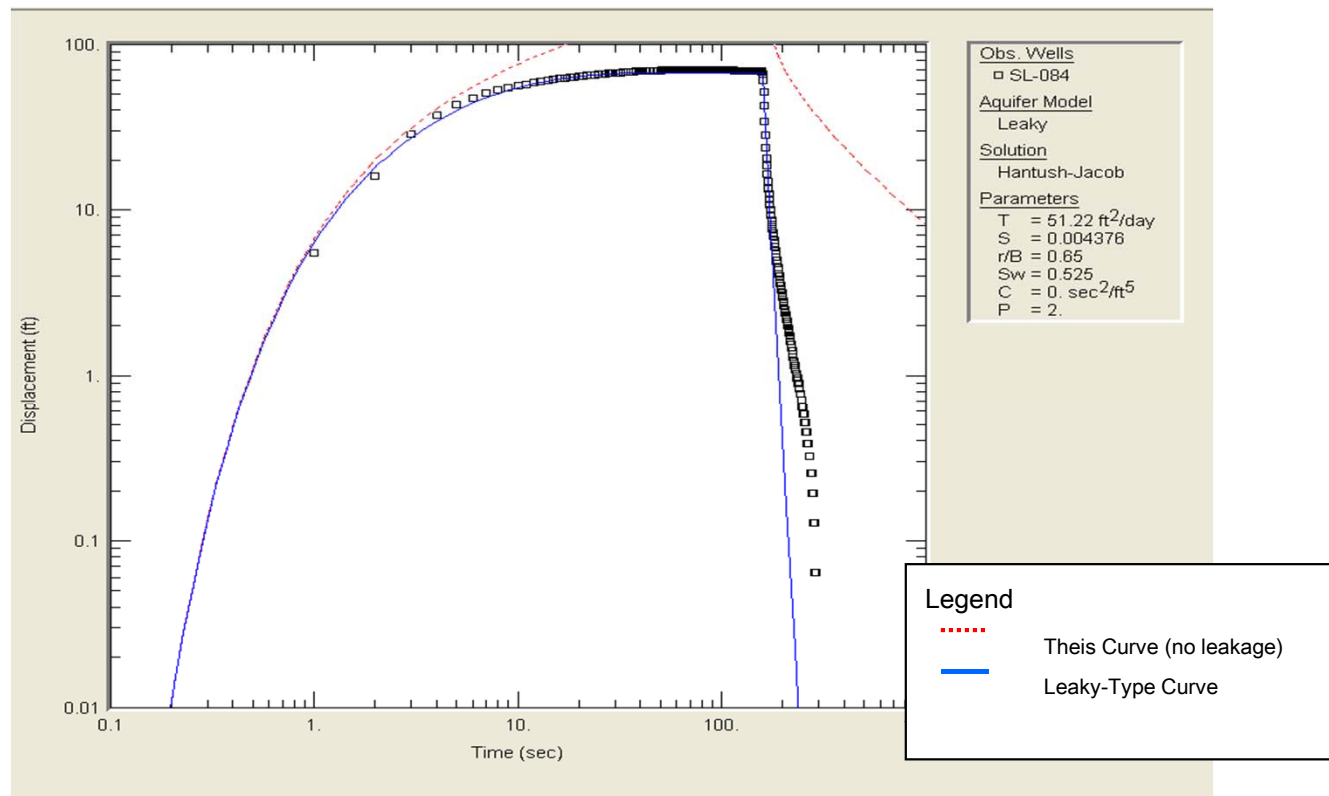


Figure 4: Comparison Between Calculated Vacuum Versus Radial Distance and Measured Vacuum at CTP Locations

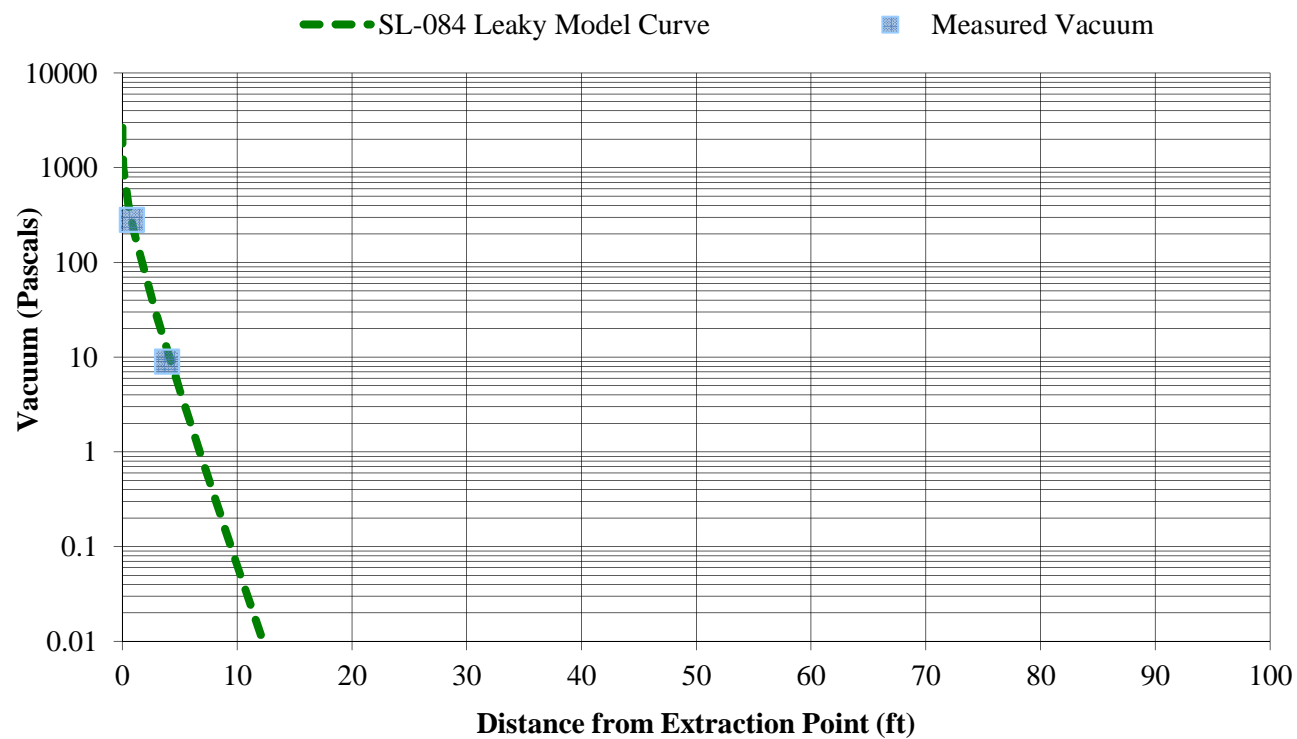
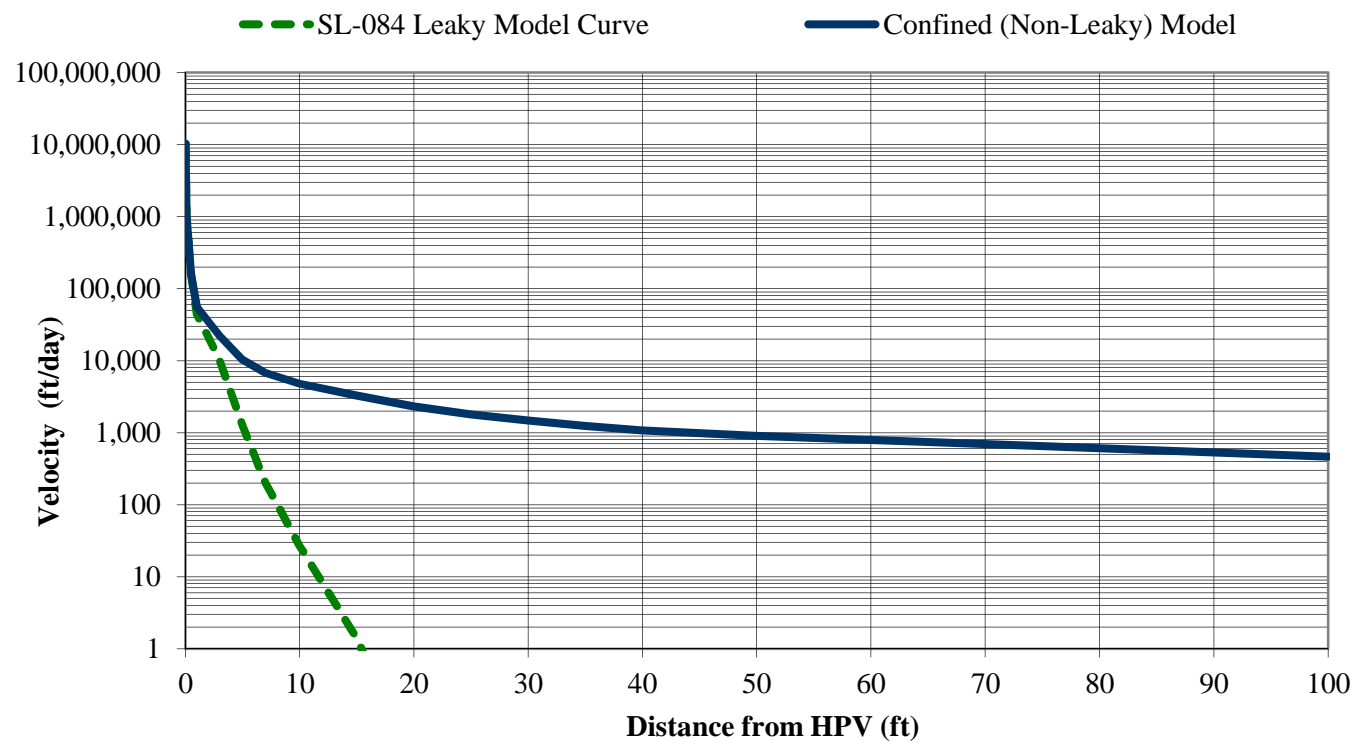
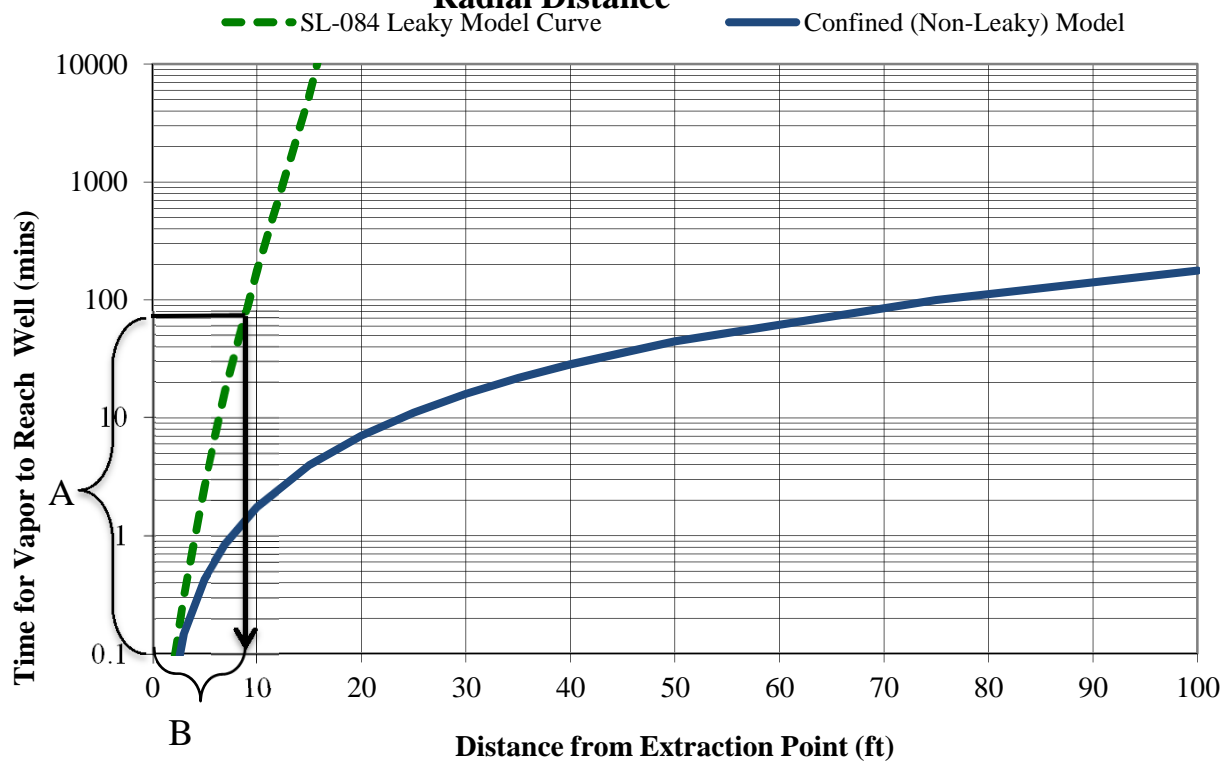


Figure 5: Comparison Between Subslab Soil Gas Velocity Calculated From Leaky Aquifer Model and Non-Leaky Model



Note: Induced velocity of 10 ft/day or more extends to a radial distance of 12.5 feet

**Figure 6: Calculated Travel Time to Extraction Point vs.
Radial Distance**

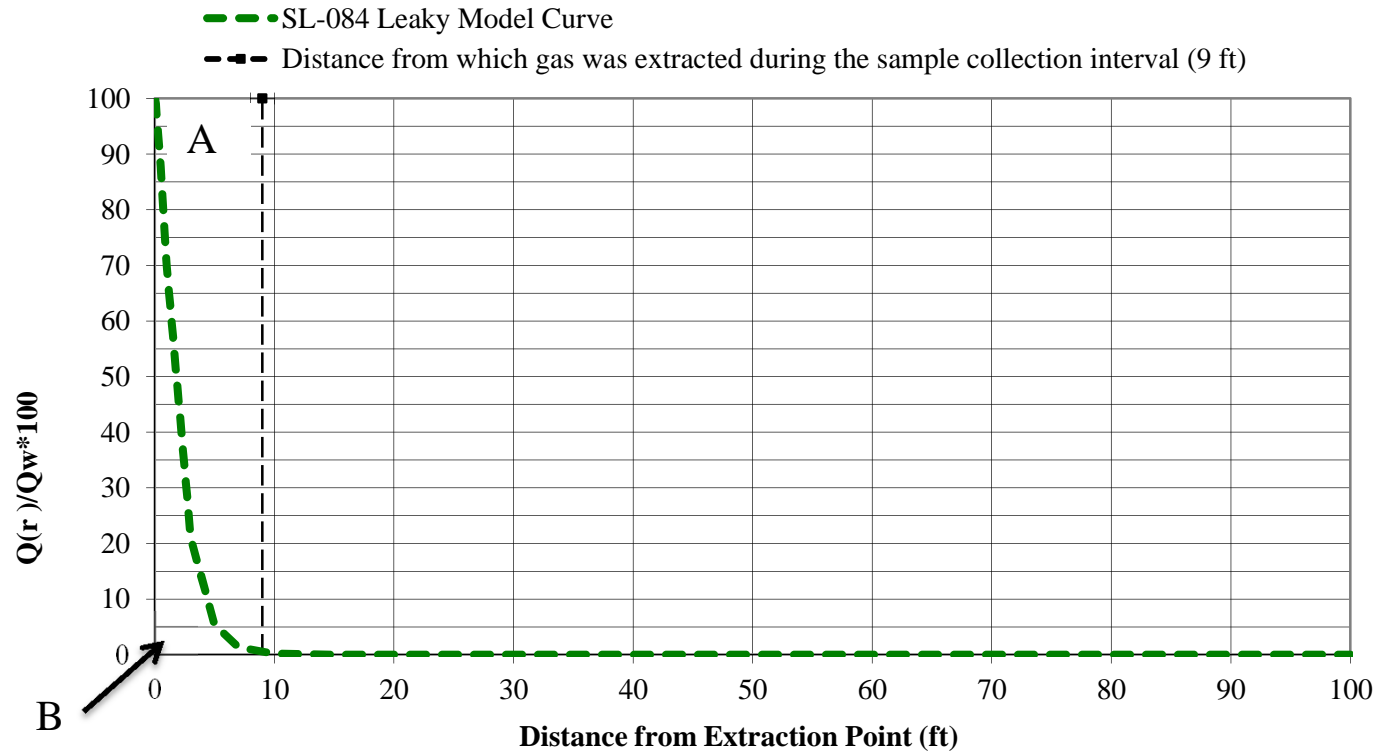


A = Duration of sample collection (71 minutes)

B = Distance from which gas was extracted during the sample collected interval (9 feet)

Note: Travel time of 1 day (1440 minutes) extends to a radial distance of 12.5 feet from extraction point

Figure 7: Percentage of Total Flow Originating below the Slab vs. Radius



A - Area integrated above the curve represents leakage during sample collection interval

B - Area integrated below the curve represents soil gas extracted from subslab region during the sample collection interval

Proportion of sample consisting of soil gas = $B/(B+A)$

Location Name	Radius (ft)	Flowrate (ft ³ /min)
SL-084	0.83	22.0

Model Fitting Parameters		
T (ft ² /d)	r/B	B (ft)
51.2	0.65	1.3

	Value	Units
Total Test Duration	71	min
Radius of Gas Extracted During Test	9	ft
Sample Start Time	0	min
Sample End Time	71	min
Radius of Gas Extracted During Sample Collection (Figure 6)	9	ft
Proportion of sample consisting of soil gas = B/(B+A) (Figure 7)		30%

	Value	Units
Radius of Induced Velocity > 10 ft/day (Figure 5)	12.5	ft
Radius of Gas Extracted with a Travel Time < 1 day (Figure 6)	12.5	ft

Notes:

T - transmissivity	ft - feet	ft ³ - cubic feet
B - leakage value	d - day	ft ² - square feet
r - radius	min - minutes	b - aquifer thickness