Groundwater Monitoring Summary Report
March 2006 (First Quarter)
American Chemical Service, Inc. National Priorities List Site
Griffith, Indiana

PREPARED FOR:

ACS RD/RA EXECUTIVE COMMITTEE

PREPARED BY:

MWH AMERICAS, INC.
175 W. JACKSON BLVD., SUITE 1900
CHICAGO, ILLINOIS 60604

JUNE 2006

Table of Contents

SECTION 1.0 – EXECUTIVE SUMMARY 1
SECTION 2.0 – MARCH 2006 DATA COLLECTION ACTIVITIES 3
2.1 Water Level Measurements 3
2.2 Groundwater Sampling 3
SECTION 3.0 – MARCH 2006 GROUNDWATER DATA EVALUATION 4
3.1 Groundwater Flow System Data 4
3.2 Monitoring Well Analytical Data 4
3.2.1 Upper Aquifer Results 5
3.2.2 Lower Aquifer Results 6
3.2.3 Discussion 7
SECTION 4.0 – CONCLUSIONS 12

List of Tables

Table 1 – Groundwater Elevation Data – March 2006
Table 2 – Field Parameter Data – March 2006
Table 3 – Summary of Groundwater Sampling Activities – March 2006
Table 4 – Summary of Organic Compound Detections in Samples from Upper Aquifer Monitoring Wells – March 2006
Table 5 – Summary of Organic Compound Detections in Samples from Lower Aquifer Monitoring Wells – March 2006

Table of Contents (cont.)

List of Figures

Figure 1 – Upper Aquifer Water Table Contour Map – March 2006
Figure 2 – Lower Aquifer Potentiometric Surface Contour Map – March 2006
Figure 3 – Detected Compounds in Samples from Upper Aquifer Monitoring Wells – March 2006
Figure 4 – Detected Compounds in Samples from Lower Aquifer Monitoring Wells – March 2006

List of Appendices

Appendix A – Comparison of March 2006 Results to Maximum Baseline Concentrations
Monitoring Well VOC Results – March 2006

Appendix B – Concentration vs. Time Plots

Appendix C – Laboratory Analytical Reports and Data Validation Narratives
Monitoring Well VOC Results
Sample Delivery Groups (SDGs) 9416, 9433, and 9456

Appendix D – Pumping Data from Monitoring Wells MW10C and MW56

SECTION 1.0 – EXECUTIVE SUMMARY

MWH Americas (MWH) has prepared this Groundwater Monitoring Summary Report to present the results from the March 2006 groundwater sampling event at the American Chemical Service, Inc. (ACS) National Priorities List (NPL) Site in Griffith, Indiana. These activities were performed in accordance with the revised long-term groundwater monitoring plan (LTGMP) and the November 2001 United States Environmental Protection Agency (U.S. EPA)-approved Quality Assurance Project Plan (QAPP). The U.S. EPA and Indiana Department of Environmental Management (IDEM) approved the revised LTGMP in a letter dated June 26, 2002.

During the March 2006 sampling event, water level measurements were collected at 78 monitoring wells, piezometers, and staff gauges, and groundwater samples were collected at 12 upper aquifer wells and 16 lower aquifer wells in the monitoring network. The groundwater samples were analyzed for indicator parameters.

March 2006 groundwater elevations in the upper and lower aquifers were generally higher than those measured in September 2005 and slightly lower than those measured in March 2005. Hydraulic gradients remained consistent with those recorded during previous sampling rounds.

During the March 2006 sampling event it was discovered that the well casing was broken at P17 and staff gauges SG5 and SG8R2 were not measured because these have been destroyed since the previous September 2005 sampling event. Peizometer P17 will be repaired or replaced and staff gauges SG5 and SG8R2 will be replaced prior to the planned September 2006 sampling event. The top of casing of the peizometer and the two replacement staff gauges will be resurveyed.

Groundwater samples collected from 12 upper aquifer monitoring wells indicate that groundwater plumes to the north and south of the ACS Site have not expanded and that concentrations within the plumes are decreasing. The benzene concentration in the sample collected from interior well MW06 exceeded the maximum baseline concentration. However the concentration in this sampling event was well below the previous highest concentration of 3,000 μg/l. There were no other exceedances in upper aquifer groundwater samples during March 2006.

In the lower aquifer, groundwater results continue to show fluctuating concentrations. Indicator VOCs were detected in samples collected from five of the 16 lower aquifer wells. Benzene exceeded the maximum baseline concentration in samples collected from MW10C and MW53, and chloroethane exceeded the maximum

baseline concentration in the sample collected from MW29. Well MW29 is nested with well MW09R and screened in the middle of the lower aquifer. Benzene has not been detected in recent samples collected from this well, but chloroethane concentrations have shown an increasing trend. Conversely, benzene and chloroethane concentrations in sample results from well MW09R, screened at the top of the lower aquifer, continue to show a decreasing trend and are significantly lower than the maximum baseline concentrations for this well. Concentrations of benzene from the sample collected at MW10C increased slightly but are still below previous highest concentrations for this location. Benzene was detected at 320 μg/L in samples collected from MW56, although concentrations of benzene in this well continue to decrease from previous concentrations at this location. The benzene concentration in the sample collected at downgradient well MW53 increased slightly since September 2005. Recent benzene concentrations in the samples collected from this well have shown a slowly increasing trend.

Upper aquifer well MW06 is downgradient of the In-Situ Chemical Oxidation (ISCO) treatment area. MWH proposes continuing to monitor the concentrations in this well as part of the assessment of the ISCO application.

In response to the baseline exceedance and increasing and variable concentration trends at MW29, MWH proposes to continue monitoring the concentrations at well MW29 as described in the LTGMP.

In response to the baseline exceedances and/or increasing and variable concentration trends at MW10C and MW56, MWH proposes to continue extracting groundwater from these wells for treatment at the Groundwater Treatment Plant (GWTP), as well as continued monitoring of the concentrations in these wells as described in the LTGMP.

In response to the baseline exceedance and increasing concentrations in samples collected from MW53, MWH has completed a lower aquifer investigation near MW53. MWH has proposed installing a remedial pumping system capable of capturing benzene in the lower aquifer near MW53 and has also proposed two sentinel monitoring wells further downgradient to monitor the lower aquifer at the edge of the Site.

SECTION 2.0 – MARCH 2006 DATA COLLECTION ACTIVITIES

The groundwater monitoring activities conducted at the Site during March 2006 included measuring water levels and collecting and analyzing samples from monitoring wells.

2.1 WATER LEVEL MEASUREMENTS

Water level measurements were collected at 78 upper and lower aquifer wells, piezometers, and surface water staff gauges on March 20, 2006. The water level could not be measured at MW10C, as the well currently contains a groundwater pump and associated piping that prevents water level measurement. Water levels could not be measured at piezometers P13, P32, P36, and P49 because they were dry. Additionally P17 was not measured because the top of the well casing was broken. Staff gauges SG5 and SG8R2 were not measured because these have been destroyed since the previous September 2005 sampling event. Peizometer P17 will be repaired or replaced and staff gauges SG5 and SG8R2 will be replaced prior to the planned September 2006 groundwater monitoring event. The top of casing of the peizometer and the two replacement staff gauges will be resurveyed. **Table 1** contains the water level measurements, map coordinates (reference points), top of well casing elevations, and calculated groundwater elevations for the measurement points.

2.2 GROUNDWATER SAMPLING

Groundwater sampling activities were conducted from March 21 through 28, 2006. Each monitoring well was sampled using low-flow methods in accordance with the Groundwater Sampling Standard Operating Procedure (SOP) developed for the revised LTGMP. Field parameters (pH, specific conductivity, temperature, dissolved oxygen [DO], oxidation-reduction potential [ORP], and turbidity) were measured during well purging, and the values recorded upon stabilization are presented in **Table 2**.

The groundwater samples were sent overnight under chain-of-custody to CompuChem Laboratory, Cary, North Carolina, where they were analyzed for the parameters summarized in **Table 3**. The table lists the upper and lower aquifer monitoring wells in the monitoring well network and the parameters analyzed in the samples collected from each well during the March 2006 event.

SECTION 3.0– MARCH 2006 GROUNDWATER DATA EVALUATION

3.1 GROUNDWATER FLOW SYSTEM DATA

The groundwater elevations listed in **Table 1** were used to develop a water table contour map (**Figure 1**) for the upper aquifer and a potentiometric surface contour map for the lower aquifer (**Figure 2**).

During March 2006, the groundwater elevations measured in upper aquifer wells and piezometers were about 3.3 feet higher than measured in September 2005, and about 1.5 feet lower than measured in March 2005. These higher groundwater elevations in March 2006, compared to September 2005, are likely related to seasonal variations in the regional hydrograph.

The groundwater flow pattern in the upper aquifer during March 2006 was consistent with previous monitoring events. Regional groundwater flow is generally east to west, but as it approaches the Site it is diverted to the north and south by the barrier wall. The gradient northwest of the Site is relatively flat due to the effects of the PGCS trench, barrier wall, and discharge points from the groundwater treatment plant. Groundwater to the south of the Site flows to the south and southeast.

The groundwater elevations measured in lower aquifer wells in March 2006 were about 2.6 feet higher than measured in September 2005, and about 1.8 feet lower than measured in March 2005. The groundwater flow pattern in the lower aquifer is northward at a relatively low hydraulic gradient. The hydraulic gradient across the Site from south to north (calculated between wells MW50 and MW52) was 0.00065 feet per foot (ft/ft) during March 2006. The average hydraulic gradient calculated between the two wells in the lower aquifer since 1995 is 0.00040 ft/ft.

The groundwater elevations measured inside and outside of the barrier wall and near the PGCS are discussed in the *Quarterly Monitoring Report for Active Treatment Systems – First Quarter 2006*. In general they show that groundwater extraction is maintaining an inward gradient.

3.2 MONITORING WELL ANALYTICAL DATA

In accordance with the LTGMP, samples from 12 wells in the upper aquifer and 16 wells in the lower aquifer were analyzed for indicator parameters, which include benzene, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride.

Additional groundwater samples not included in the LTGMP were collected from upper aquifer well MW12 and from seven lower aquifer wells (LA-11 through LA-15, MW24 and MW57) for VOC analysis. The sample from MW12 was collected as supplemental information to the Chemical Oxidation Study south of the Site and the seven lower aquifer samples were collected as verification samples to the lower aquifer investigation north of the Site. These additional sample results are included in Appendix C of this report because they are a part of the Sample Data Groups (SDGs) of the routine groundwater samples. The results of these samples are not discussed within this report, but instead will be discussed in separate reports in the future.

In accordance with the LTGMP, the analytical results from the upper and lower aquifer monitoring wells were compared to the 1997 maximum baseline concentrations (**Appendix A**). This comparison is primarily useful for wells located in the plume areas (interior wells) or those with a history of VOC detections. However, no VOCs were detected in samples from most of the upgradient and downgradient monitoring wells during the baseline sampling activities. In these cases the detection limit (typically 10 μg/l) was selected as the maximum baseline concentration for these wells. Because detections of indicator compounds at concentrations below their maximum baseline concentrations can still be significant, current sample results are also compared to previous sampling data to determine if an increasing or decreasing trend may be occurring.

3.2.1 Upper Aquifer Results

Table 4 summarizes the indicator parameter results in the samples from the 12 upper aquifer wells collected during March 2006. **Figure 3** shows the well locations and detected indicator compounds on a map of the ACS Site. Graphs presenting the concentrations of benzene and chloroethane versus time for the upper aquifer monitoring wells are presented in **Appendix B**. The laboratory analytical reports and validation narrative for samples from the upper aquifer are provided in **Appendix C**.

VOC Results

Benzene and chloroethane impacts have been observed outside of the barrier wall in two areas of the upper aquifer. North of the Site, these detections have consistently occurred in samples collected from wells MW48 and MW49. South of the Site, benzene and chloroethane detections have extended from samples collected at MW06 to MW19 and MW45. The groundwater monitoring program in the upper aquifer has focused on monitoring concentrations upgradient, within, and downgradient of these impacted areas.

- Upgradient wells: Benzene and chloroethane were not detected in samples collected from upgradient monitoring wells MW11 or MW17. Tetrachloroethene, which has occasionally been detected at trace concentrations in previous samples from MW17, was

not detected in the sample from MW17 during March 2006.

- Interior wells: Benzene and chloroethane were detected in samples collected from several interior wells. One sample collected from the upper aquifer interior wells exceeded its maximum baseline concentration for benzene. The concentration of benzene in the sample collected from MW06 was detected at 590 μg/l which is above its maximum baseline concentration of 390 μg/l. However, concentrations of benzene in this well have been detected over 1,000 μg/l in past monitoring events.

  Concentrations of benzene in the samples collected from wells MW48 and MW49 were detected at 7.3 μg/l and 86 μg/l, respectively. These results are significantly below the maximum baseline concentrations for these wells (9,500 μg/l and 6,750 μg/l, respectively).

  Benzene was not detected in the samples collected at wells MW19 and MW45, located downgradient of MW06. Chloroethane was detected in samples collected from MW06, MW19, MW48 and MW49. No detections of Chloroethane in samples from interior wells exceeded maximum baseline concentrations.

- Downgradient wells: Benzene and chloroethane were not detected in samples from any downgradient wells in the upper aquifer during March 2006.

- Tentatively Identified Compounds: Several tentatively identified compounds (TICs) were detected in the samples from upper aquifer wells MW06, MW17, and MW19. Ethyl ether, was detected in the sample from MW19 at 47 μg/l. Other TICs included trimethyl-silanol and various benzene-related compounds.

3.2.2 Lower Aquifer Results

Table 5 summarizes the indicator VOC results in the samples from 16 lower aquifer wells collected during March 2006. **Figure 4** shows the well locations and detected indicator VOCs on a map of the ACS Site. Graphs presenting the concentrations of benzene and chloroethane versus time for the lower aquifer monitoring wells are presented in **Appendix B**. The laboratory analytical reports and validation narrative for samples from the lower aquifer are provided in **Appendix C**.

VOC Results

In the past, benzene and chloroethane have been detected in the samples collected from lower aquifer monitoring wells MW09, ATMW4D, MW10C, and MW53. Failure of the surface seal at MW09 and ATMW4D probably provided the path, which allowed benzene and chloroethane to migrate locally into the lower aquifer at

these two locations. These wells have been properly abandoned and replaced by MW09R and MW56.

It is unclear if detections in samples from MW10C and MW53 are a downgradient indication of the migration from MW09 or ATMW4D or if another source is responsible. The most likely source(s) of contamination in the lower aquifer are the six production wells that ACS constructed and used in the past. MWH properly abandoned these six production wells in 1998; thus, removing these potential sources of contamination. Additionally, MWH is completing a lower aquifer investigation that defined the distribution of benzene in the lower aquifer near MW53. MWH is currently proposing a pumping system capable of capturing benzene in the lower aquifer near MW53.

- Upgradient well: No VOCs were detected in the sample collected from lower aquifer monitoring well MW28, located south of the Site.

- Interior wells: Benzene and chloroethane were the only indicator VOCs detected in the samples collected from interior wells MW09R, MW10C, MW29, and MW56. Benzene was detected at MW09R and MW56 at 5.5 μg/l and 320 μg/l; respectively. Concentrations of benzene in the sample collected from MW10C (530 μg/l) and chloroethane in the sample collected from MW29 (80 μg/l) exceeded maximum baseline concentrations during March 2006. MW29 is nested with MW09R and screened approximately 25 feet deeper in the lower aquifer at this location. No other concentrations exceeded their maximum baseline concentrations.

- Downgradient wells: Benzene was the only VOC detected in samples from downgradient monitoring wells during March 2006. Benzene was detected in the sample collected from MW53 at 14 μg/l, a concentration that exceeds the maximum baseline concentration of 10 μg/l for this well. Benzene was not detected in any other downgradient wells. Tetrachloroethene, which has historically been detected at trace levels in samples collected from MW33 was not detected in March 2006.

- Tentatively Identified Compounds: A few TICs were detected in the samples from several lower aquifer wells. Ethyl ether was detected in the sample from MW23 at 12 μg/l. Other TICs included trimethyl-silanol, tetrahydrofuran, 1,4 dioxane, flourotrimethyl-silane, and dimethoxy-methane.

3.2.3 Discussion

The Site source areas are currently contained within the barrier wall which is limiting migration of contaminants to adjacent areas in the upper aquifer. The groundwater monitoring program is structured specifically to monitor groundwater outside the barrier wall. Concentrations

over time trends discussed below are shown on plots contained in **Appendix B**.

Upper Aquifer

VOCs

Since monitoring was started in 1997, sampling results north of the Site from interior wells MW48 and MW49 continue to show decreasing concentration trends. The accumulated monitoring data from these wells show that concentrations fluctuate on a seasonal pattern, with concentrations being higher during the summer and fall months and lower when sampled in winter and spring.

However the concentrations also show a decreasing trend with the March 2006 benzene concentrations in the samples from MW48 (7.3 µg/l) and MW49 (86 µg/l). Chloroethane concentrations in the samples from MW48 and MW49 during March 2006 are also the lowest concentrations from these wells in the past several years.

Several of the upper aquifer monitoring wells located south of the Site also exhibit seasonal variability. Concentrations in samples from MW06 have generally been higher when sampled in the winter and spring months and lower when sampled in the summer and fall months. Benzene was detected above its maximum baseline concentration at MW06 and chloroethane was detected at a concentration higher than detected in samples from this well in the past several years. Monitoring well MW06 is located downgradient of the ISCO treatment area and will be an indicator of remediation progress. MWH will continue to monitor MW06 as part of the ISCO evaluation.

Concentrations of benzene and chlorethane in samples from MW15 are generally lower in samples collected in the spring than samples collected in the fall. This pattern continued during March 2006 and no VOCs were detected in the sample from MW15. Monitoring well MW15 is located downgradient of the Town of Griffith Municipal Landfill.

Decreasing concentrations are seen in samples collected from interior well MW19, located 500 feet downgradient of MW06. The benzene concentrations in samples from this well have remained below 5 µg/l for the past several years. Chloroethane concentrations in the sample from MW19 was detected at 8.9 µg/l in March 2006 which was similar to the concentration detected in September 2005 (8.8 µg/l). Chloroethane concentrations were at or above the maximum baseline concentration in samples for this well (20 µg/l) from March 2003 to September 2004. The decreasing concentration trend for chloroethane at MW19 is evident in the graph in **Appendix B**. A trace estimated-concentration of tetrachlorethene (2 µg/l) was detected in the sample from MW19 in September 2005. Tetrachloroethene was not been detected in samples collected from this well during March 2006.

Benzene and chloroethane concentrations in samples collected from interior well MW45, located 1000 feet downgradient of MW06, show decreasing concentration trends over the last several years. Benzene and chloroethane concentrations have been at or below 5 μg/l during the last five sampling events, and were not detected in the sample collected from MW45 during March 2006. This decreasing concentration trend at MW45 is evident in the graph in **Appendix B**.

Trace amounts of VOCs have occasionally been detected at some downgradient wells. However, during March 2006 no VOCs were detected in downgradient wells screened within the upper aquifer.

Data from upper aquifer monitoring wells indicate that VOC contamination has not spread beyond historical limits. Perimeter monitoring wells have been generally free of benzene and chloroethane detections and concentrations within the plume have generally been decreasing.

MWH has been conducting an ISCO treatment of residual hydrocarbons south of the Site near the intersection of Colfax Street and Reder Road. These residual hydrocarbons have been believed to be feeding the groundwater plume observed south of the Site in samples collected from wells MW06, MW19, and MW45. The first full-scale treatment was completed in September 2004, a second was completed in April 2005, a third treatment was completed in August 2005, and a fourth was completed in April 2006. The decreases in concentrations observed in the samples collected from well MW19 and MW45 is likely related to these treatments. Additionally, the benzene and chlorethane concentrations at MW06 in March 2006 may be the result of a breakup and release of a small amount product in the smear zone near MW06, which is possible post ISCO treatment. The concentrations at this location have decreased from their highest levels in the past.

Lower Aquifer

VOCs

In the lower aquifer, the groundwater results continue to show isolated detections of VOCs. Before MW09 was replaced, samples collected from it contained concentrations of benzene and chloroethane as high as 290 and 2,900 μg/l, respectively. Since MW09R replaced MW09, the benzene and chloroethane concentrations have decreased. The most recent sample, collected from MW09R in March 2006, detected benzene at a concentration of 5.5 μg/l. Chlorethane was not detected in samples from this well in March 2006. These concentrations are the lowest at this location since MW09R was installed.

Nested with well MW09R are MW29 and MW34. MW09R is screened in the upper portion of the lower aquifer, and MW29 and MW34 are screened in the middle and lower part of the lower aquifer, respectively.

In well MW29, benzene has not been detected in recent samples, but concentrations of chloroethane have gradually increased over the last several sampling events and have exceeded maximum baseline concentrations since September 2002. Chloroethane has been detected as high as 680 μg/l in samples from MW09R as recently as September 2001. The increase in chloroethane concentrations in samples from MW29 is likely due to diffusion because of a concentration gradient between this well and MW09R. Samples were not collected from MW34 (screened in the bottom of the lower aquifer) in March 2006. In the past, benzene and chloroethane have not been detected in samples from well MW34.

Tetrachloroethene has been detected at trace, estimated concentrations in the samples collected from downgradient well MW30 during the last three sampling events, September 2004 (1 μg/l), March 2005 (2.3 μg/l), and September 2005 (4 μg/l). Well MW30 is screened in the middle of the lower aquifer. Tetrachloroethene was not detected in samples from this well during March 2006; however, this well will continue to be monitored in future sampling events.

The concentration of benzene in samples collected from MW10C increased from 350 μg/l in September 2005 to 530 μg/l in March 2006. However, this concentration is well below the previous high concentration of 4,800 μg/l detected in March 2003. The concentrations of chlorethane in samples collected from this location are below 5 μg/l over the last two sampling events.

In March 2006 the concentration of benzene in the sample collected from MW56 (320 μg/l) was lower than the sample in September 2005 (390 μg/l) and was significantly lower than the sample collected in March 2005, which was 1,200 μg/l. Chlorethane has not been detected in samples from MW56 in past two sampling events.

In response to consistently elevated benzene concentrations in samples collected from interior wells MW10C, a purging system was installed at these wells and has been operating since October 2002. This system extracts groundwater at a rate of about two gallons per minute at each well, and the water is directed to the groundwater treatment plant where it is treated and discharged to the wetlands. Flow meters installed at each well are inspected regularly to provide a measure of the gallons pumped. As of the middle of March 2006, the system has pumped about 4,115,000 gallons of groundwater from these wells (**Appendix D**). These low-rate extraction pumps operating in MW10C and MW56 may be a factor in the variability observed in VOC concentrations in samples collected from these wells, and may be responsible for the overall decreased level of VOC concentrations detected at MW10C and MW56.

In samples collected from downgradient well MW53, located along the northern boundary of the Site, northwest of the ACS facility, benzene concentrations have increased gradually from below detection limits in 1997 to 14 μg/l in March 2006. The concentration of benzene in the sample collected from MW53 in March 2006 has exceeded its baseline concentration of 10 μg/l. A three-day pumping test was conducted at this well in November 2005. The pumping test likely pulled some contamination from the interior of the Site into the well, which is responsible for the slightly elevated concentration of benzene in March 2006.

MWH performed a lower aquifer investigation to address the extent of benzene-impacted groundwater near MW53, and provide site specific hydraulic data to design a pumping system capable of capturing groundwater in the vicinity of MW53. A plume of groundwater contaminated with benzene approximately 225 feet wide exists near MW53. The pumping test provided hydraulic data to design a pumping system capable of capturing benzene-impacted groundwater in the vicinity of MW53. This pumping system will transfer the extracted groundwater back to the GWTP for treatment. The existing monitoring well network, with two proposed sentinel wells downgradient of MW53, will provide adequate coverage to monitor the lower aquifer downgradient of the Site. The monitoring network is necessary to verify that contaminants in the lower aquifer will not migrate from the interior of the Site without detection.

The most likely source(s) of contamination at wells MW10C and MW53 are the six production wells, which ACS constructed and used in the past. MWH properly abandoned these six production wells in 1998; thus, removing these potential sources of contamination.

SECTION 4.0 – CONCLUSIONS

The March 2006 water levels and groundwater samples were collected from wells at the ACS Site to meet the following objectives from the revised LTGMP:

1. **Collect water level data to confirm that groundwater flow regimes in the upper and lower aquifers are consistent with historical flow patterns.**

   The groundwater flow regimes determined from March 2006 data are consistent with past conditions for both the upper and lower aquifers.

   During the March 2006 sampling event it was discovered that the well casing was broken at P17 and staff gauges SG5 and SG8R2 were not measured because these have been destroyed since the previous September 2005 sampling event. Peizometer P17 will be repaired or replaced and staff gauges SG5 and SG8R2 will be replaced prior to the planned September 2006 sampling event. The top of casing of the peizometer and the two staff gauges will be resurveyed.

2. **Collect water level data to confirm that the Barrier Wall Extraction System (BWES) and Perimeter Groundwater Containment System (PGCS) are affecting the upper aquifer hydraulic gradients as planned.**

   The data indicate the barrier wall is containing the groundwater enclosed within the wall. The regional groundwater flow from the east is diverted toward the north and south around the barrier wall. The groundwater diverted to the north is collected in the PGCS extraction trench. Groundwater diverted south flows along the barrier wall and continues to the south and southeast. These results are consistent with previous observations.

3. **Collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifers to confirm background ground water quality.**

   There were no detections of VOCs in samples from upgradient monitoring wells in both the upper and lower aquifer wells.

4. **Collect and analyze groundwater samples from upper and lower aquifer monitoring wells to provide indication of any changes in groundwater quality at downgradient boundaries.**

Benzene and chloroethane were not detected in samples collected from any downgradient monitoring wells in the upper aquifer.

Benzene was detected above the maximum baseline concentration in the sample collected from monitoring well MW53 screened in the lower aquifer. Benzene concentrations have gradually increased in samples collected from MW53 during the last several sampling events. MWH has completed a lower aquifer investigation near MW53 and has proposed installing a pumping system capable of capturing benzene in the lower aquifer near MW53. MWH has also proposed two sentinel monitoring wells further downgradient to monitor the lower aquifer at the edge of the Site.

5. **Collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time as the remediation progresses.**

Sampling data from the upper aquifer indicate that concentrations within plume areas outside the barrier wall continue to decrease. The concentrations of benzene and chloroethane in samples from interior wells MW45, MW48, and MW49 have decreased over the last several years. Concentrations of chloroethane at MW19 have historically fluctuated near the maximum baseline concentration for this well but have decreased slightly during the past two sampling events. These decreasing trends in the upper aquifer are likely the combined result of the barrier wall, the PGCS, the ISCO treatments in these areas, as well as natural attenuation.

MWH has been conducting ISCO treatment of residual hydrocarbons upgradient of MW06. The decreases in concentrations observed in samples from MW19 and MW45 are likely related to these treatments. Concentrations of benzene in samples from MW06 have increased above the baseline concentration during the past two sampling events. The recent increase in concentrations at MW06 may be the result of breakup and release of a small amount of product into the smear zone upgradient of MW06, which is possible post ISCO treatments. The concentrations at this location have decreased from their highest levels in the past.

In samples collected from lower aquifer interior wells, concentrations of benzene and chloroethane continue to be variable. Concentrations of benzene and chloroethane in samples from MW09R have shown decreasing trends, while chloroethane concentrations in samples from adjacent nested well MW29 have continued to slowly increase. Benzene and chloroethane concentrations in samples collected from MW10C continue to decrease over the last several years. Concentrations of benzene and chloroethane at MW56 appear to be decreasing slowly. A purging system is operating at MW10C and

MW56 to capture impacted groundwater and prevent its migration in the lower aquifer.

Corrective Actions

According to the LTGMP, MWH is to propose corrective actions for analytical results that exceed maximum baseline concentrations or that demonstrate increasing trends. The following lists the exceedances (underlined) and the corrective action taken:

- Baseline exceedance in the sample collected from well MW06: MWH will continue monitoring the benzene concentration at well MW06 as described in the LTGMP and as part of the ISCO treatment evaluation.

- Baseline exceedance and increasing chloroethane concentrations in samples collected from well MW29: MWH will continue monitoring the chloroethane concentration at well MW29 as described in the LTGMP.

- Baseline exceedances and/or increasing and variable concentrations in samples collected from MW10C, and MW56: MWH will continue extracting groundwater from these wells for treatment at the GWTP as well as continued monitoring of the concentrations in these wells as described in the LTGMP.

- Baseline exceedance and increasing concentrations in samples collected from MW53, MWH has completed a lower aquifer investigation near MW53 and has proposed installing a remedial pumping system capable of capturing benzene in the lower aquifer near MW53. MWH has also proposed two sentinel monitoring wells further downgradient to monitor the lower aquifer at the edge of the Site.

DPP/PJV/jmf
J:\209\0603 ACS\0304 GW Monitoring\March 2006\Report\Mar2006 Report_EPA.doc

Table 1
Groundwater Elevation Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			March 20, 2006		Notes
	East	North	TOC	Level	Elevation	
Upper Aquifer Monitoring Wells						
MW06	5298	5520	655.28	23.70	631.58	
MW11	6377	7329	640.47	7.08	633.39	
MW12	6019	6352	642.74	9.61	633.13	
MW13	5050	7814	634.08	3.23	630.85	
MW14	4882	6995	638.56	8.58	629.98	
MW15	4721	5003	637.89	6.20	631.69	
MW17	5656	5677	647.10	15.23	631.87	
MW19	5231	4943	635.78	4.22	631.56	
MW37	5395	7976	636.78	4.76	632.02	
MW38	5903	8216	636.51	4.43	632.08	
MW39	6253	7947	637.77	4.67	633.10	
MW40	6349	6831	639.46	5.92	633.54	
MW41	6242	4517	632.74	5.64	627.10	
MW42	6264	3808	632.32	4.74	627.58	
MW43	5880	3719	633.56	5.40	628.16	
MW44	5390	4303	633.04	3.60	629.44	
MW45	5830	4388	635.35	7.02	628.33	
MW46	4526	7424	633.32	2.52	630.80	
MW47	5958	5084	640.54	7.20	633.34	
MW48	5669	7814	636.36	4.27	632.09	
MW49	5551	7650	637.00	4.99	632.01	
M4S	4953	6537	633.42	1.89	631.53	

Notes:

All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level

TOC = top of casing
NM = not measured

JEF/tpc/dpp/jmf
J:\209\0603 ACS\0304 GW Monitoring\March 2006\Report\Tables\Mar06-T1 Waterlevels.xls
2090603.030401

Table 1
Groundwater Elevation Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			March 20, 2006		Notes
	East	North	TOC	Level	Elevation	
Staff Gauges & Piezometers						
P13	4878	5735	651.20	DRY	DRY	
P17	4584	6006	654.64	NM	NM	Top ~2 feet of casing broken off
P23	4689	7018	636.18	5.66	630.52	
P25	5131	7510	635.01	1.75	633.26	
P26	4764	7309	634.23	3.63	630.60	
P27	4904	7020	639.70	9.39	630.31	
P28	5883	7486	644.53	11.45	633.08	
P31	5480	7159	641.03	10.07	630.96	
P32	5746	7026	642.32	DRY	DRY	
P36	5410	6851	645.89	DRY	DRY	
P40	5931	7241	638.77	5.69	633.08	Needs numbers on well
P41	5663	7377	637.23	4.04	633.19	Needs numbers on well
P49	5145	6949	638.98	DRY	DRY	
SG8R	5409	5252	634.70	NM	NM	Destroyed
SG8R2	5409	5242	632.67	NM	NM	Destroyed
SG5	5464	7713	633.36	NM	NM	Destroyed
SG13	4819	7209	631.53	5.00	626.53	Reference TOC is the 6.0' mark on staff gauge
SG14	5109	6523	635.44	3.58	631.86	Reference TOC is the 6.0' mark on staff gauge
PGCS Piezometer Sets						
P81	5577	7581	636.19	4.56	631.63	
P82	5577	7572	635.77	3.99	631.78	
P83	5577	7561.6	635.95	4.06	631.89	
P84	5322	7603	634.35	3.25	631.10	
P85	5326	7594	634.08	2.84	631.24	
P86	5329	7585	634.41	3.15	631.26	
P87	5121	7466	633.88	3.26	630.62	
P88	5130	7460	633.90	2.92	630.98	
P89	5137	7454	634.02	2.93	631.09	
P90	4881	7152	634.45	4.19	630.26	
P91	4889	7145	634.59	4.42	630.17	
P92	4896	7138.1	633.87	3.72	630.15	

Notes:

All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level

TOC = top of casing
NM = not measured

Table 1
Groundwater Elevation Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			March 20, 2006		Notes
	East	North	TOC	Level	Elevation	
BWES Water Level and Piezometer Pairs						
P93	5136	7067	638.79	8.19	630.60	
P94	5146	7061	638.98	14.53	624.45	
P95	5146	6532	638.58	5.72	632.86	
P96	5156	6537	641.26	14.12	627.14	
P105	5885	6678	638.86	5.46	633.40	
P106	5871	6685	638.10	10.35	627.75	
P107	5766	7339	637.42	4.66	632.76	
P108	5757	7324	638.13	7.88	630.25	
P109	5740	6387	644.30	11.25	633.05	
P110	5705	6382	647.68	20.66	627.02	
P111	5551	5950	650.03	17.89	632.14	
P112	5525	5960	653.36	27.65	625.71	
P113	5309	5693	657.53	31.61	625.92	
ORCPZ102	5331	5612	652.47	20.77	631.70	
P114	5035	5729	653.69	27.42	626.27	
P115	4970	5708	652.50	20.41	632.09	
P116	5031	6087	646.26	20.13	626.13	
P117	5014	6087	643.93	10.24	633.69	
P118	5402	6539	645.52	18.56	626.96	

Notes:

All depth measurements and elevations are in units of feet. TOC = top of casing

Elevation is in feet above mean sea level

JEF/tpc/dpp/jmf
J:\209\0603 ACS\0304 GW Monitoring\March 2006\Report\Tables\Mar06-T1 Waterlevels.xls
2090603.030401

Table 1
Groundwater Elevation Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			March 20, 2006		Notes
	East	North	TOC	Level	Elevation	
Lower Aquifer Wells						
MW07	6113	6732	641.46	19.20	622.26	
MW08	5934	7506	640.43	18.77	621.66	
MW09R	4893	6990	639.05	17.06	621.99	
MW10C	5229	7554	637.45	NM	NM	Could not measure due to pump in well
MW23	4717	7404	633.31	11.42	621.89	
MW24	4596	8033	635.22	13.84	621.38	
MW28	5657	5695.6	648.77	25.70	623.07	
MW50	5269	5383	649.43	26.30	623.13	
MW51	5198	7767	634.16	12.70	621.46	
MW52	4996	7814	632.74	11.18	621.56	
MW54R	5589.8	7592.2	637.51	15.75	621.76	
M4D	4949	6538	633.32	11.03	622.29	

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOC = top of casing

NM = not measured

JEF/tpc/dpp/jmf
J:\209\0603 ACS\0304 GW Monitoring\March 2006\Report\Tables\Mar06-T1 Waterlevels.xls
2090603.030401

Table 2
Field Parameter Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (^{o}C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Upper Aquifer Monitoring Wells						
MW06	6.65	2.8	13.3	40.0	0.00	-121
MW11	6.03	0.38	9.6	14.0	0.00	60
MW14	6.15	0.30	10.4	18.0	9.05	139
MW15	6.91	4.5	10.9	13.0	0.00	-36
MW17	6.63	1.0	13.2	9.0	0.00	-92
MW19	7.15	4.0	9.1	12.0	0.00	-164
MW42	6.46	1.5	7.2	10.0	0.00	90
MW43	6.09	2.2	8.6	74.0	0.00	7
MW44	7.16	1.7	8.4	7.0	0.00	-112
MW45	6.87	1.4	7.1	8.0	0.00	-136
MW48	6.51	1.7	8.5	8.0	0.00	-125
MW49	6.33	1.3	8.2	8.6	0.00	-73

Notes:

Values are those recorded upon stabilization during groundwater purging

mS/cm = milliSiemens per centimeter

^{o}C = Degrees Centrigrade

NTU = nephelometric turbidity units

mg/L = milligrams per liter

mV = millivolts

Table 2
Field Parameter Data - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (^{o}C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Lower Aquifer Monitoring Wells						
MW08	7.16	0.53	12.1	8.2	0.00	-172
MW09R	7.27	1.0	12.0	5.8	0.00	-177
MW10C	6.60	1.2	11.6	1.5	0.00	-165
MW23	6.51	1.7	10.5	21.0	0.00	-94
MW28	7.24	0.96	12.6	9.0	0.00	-135
MW29	6.70	0.89	11.7	4.7	0.00	-135
MW30	6.70	1.2	11.1	9.5	0.00	-158
MW31	7.00	0.87	11.4	3.8	0.00	-149
MW32	6.97	1.1	11.2	5.8	0.00	-146
MW33	6.44	1.9	9.9	9.3	0.00	-124
MW51	6.57	1.3	10.7	8.7	0.00	-154
MW52	6.52	1.4	11.5	7.6	0.00	-144
MW53	6.45	2.9	10.7	3.1	0.00	-98
MW54R	7.05	1.2	12.1	5.3	0.00	-171
MW55	6.97	1.2	10.8	8.4	0.00	-172
MW56	7.21	1.1	13.5	0.0	0.00	-153

Notes:
Values are those recorded upon stabilization during groundwater purging
mS/cm = milliSiemens per centimeter
^{o}C = Degrees Centrigrade
NTU = nephelometric turbidity units
mg/L = milligrams per liter
mV = millivolts

Table 3
Summary of Groundwater Sampling Activities - March 2006
American Chemical Service, Inc. NPL Site
Griffith, Indiana

Monitoring Well ID	Location with Respect to Area of Groundwater Contamination	Date Sampled	Indicator VOCs	Full Scan	Quality Control Sample ID
Upper Aquifer Monitoring Wells					
MW06	Interior	3/22/2006	X		
MW11	Upgradient	3/27/2006	X		
MW12	Upgradient	3/22/2006	X		
MW14	Downgradient	3/28/2006	X		
MW15	Downgradient	3/22/2006	X		
MW17	Upgradient	3/22/2006	X		MS/MSD
MW19	Interior	3/22/2006	X		
MW42	Downgradient	3/21/2006	X		
MW43	Downgradient	3/21/2006	X		DUP01
MW44	Downgradient	3/21/2006	X		
MW45	Interior	3/21/2006	X		
MW48	Interior	3/27/2006	X		
MW49	Interior	3/27/2006	X		DUP04

Notes:

X - Indicates sample was analyzed for selected parameter.

Indicator Volatile Organic Compounds (VOCs) - Includes the parameters 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, benzene, chloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

Full Scan - Includes low-concentration VOCs, low-concentration semi-volatile organic compounds, low-concentration pesticides and PCBs, metals, and cyanide.

DUP - Duplicate sample

MS/MSD - Matrix spike/matrix spike duplicate

NS - Not Sampled

Table 3
Summary of Groundwater Sampling Activities - March 2006
American Chemical Service, Inc. NPL Site
Griffith, Indiana

Monitoring Well ID	Location with Respect to Area of Groundwater Contamination	Date Sampled	Indicator VOCs	Full Scan	Quality Control Sample ID
Lower Aquifer Monitoring Wells					
MW08	Downgradient	3/27/2006	X		
MW09R	Interior	3/28/2006	X		
MW10C	Interior	3/27/2006	X		
MW23	Downgradient	3/27/2006	X		
MW28	Upgradient	3/22/2006	X		DUP02
MW29	Interior	3/28/2006	X		
MW30	Downgradient	3/24/2006	X		MS/MSD
MW31	Downgradient	3/24/2006	X		
MW32	Downgradient	3/24/2006	X		
MW33	Downgradient	3/24/2006	X		
MW51	Downgradient	3/24/2006	X		
MW52	Downgradient	3/24/2006	X		
MW53	Downgradient	3/23/2006	X		
MW54R	Downgradient	3/24/2006	X		
MW55	Downgradient	3/24/2006	X		
MW56	Interior	3/22/2006	X		

Notes:

X - Indicates sample was analyzed for selected parameter.

Indicator Volatile Organic Compounds (VOCs) - Includes the parameters 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, benzene, chloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

Full Scan - Includes low-concentration VOCs, low-concentration semi-volatile organic compounds, low-concentration pesticides and PCBs, metals, and cyanide.

DUP - Duplicate sample

MS/MSD - Matrix spike/matrix spike duplicate

Table 4
Summary of Organic Compound Detections in Samples from Upper Aquifer Monitoring Wells - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW06 Interior			MW11 Upgradient			MW14 Downgradient			MW15 Downgradient			MW17 Upgradient			MW19 Interior		
	Mar-06		*BV*	Mar-06		*BV*	Mar-06		*BV*	Mar-06		*BV*	Mar-06		*BV*	Mar-06		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
1,1-Dichloroethene	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
1,2-Dichloroethane	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Benzene	**590**	D/	*320*	5	U/		5	U/		5	U/		5	U/		5	U/	
Chloroethane	**100**	D/	*720*	5	U/		5	U/		5	U/		5	U/		**8.9**		*20*
cis-1,2-Dichloroethene	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Tetrachloroethene	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Trichloroethene	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Vinyl Chloride	20	U/		5	U/		5	U/		5	U/		5	U/		5	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds).

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

D = Results based on diluted sample

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

DPP/TPC/dpp/jmf
J:\209\0603 ACS\0304 GW Monitoring\March 2006\Report\Tables\Mar06-T4 UAResults.xls
2090603.030401

Table 4
Summary of Organic Compound Detections in Samples from Upper Aquifer Monitoring Wells - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW42 Downgradient Mar-06		*BV*	MW43 Downgradient Mar-06		*BV*	MW44 Downgradient Mar-06		*BV*	MW45 Interior Mar-06		*BV*	MW48 Interior Mar-06		*BV*	MW49 Interior Mar-06		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
1,1-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
1,2-Dichloroethane	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Benzene	5	U/		5	U/		5	U/		5	U/		**7.3**		*9,500*	**86**		*6,750*
Chloroethane	5	U/		5	U/		5	U/		5	U/		**4.6**	J/	*1,000*	**3.3**	J/	*715*
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Tetrachloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Trichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	
Vinyl Chloride	5	U/		5	U/		5	U/		5	U/		5	U/		5	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds).

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

D = Results based on diluted sample

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Organic Compound Detections in Samples from Lower Aquifer Monitoring Wells - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW08 Downgradient Mar-06		*BV*	MW09R Interior Mar-06		*BV*	MW10C Interior Mar-06		*BV*	MW23 Downgradient Mar-06		*BV*	MW28 Upgradient Mar-06		*BV*
Volatile Organic Compounds															
1,1-Dichloroethane	5	U/		5	U/		17	U/		5	U/		5	U/	
1,1-Dichloroethene	5	U/		5	U/		17	U/		5	U/		5	U/	
1,2-Dichloroethane	5	U/		5	U/		17	U/		5	U/		5	U/	
Benzene	5	U/		**5.5**		*310*	**530**	D/	*150*	5	U/		5	U/	
Chloroethane	5	U/		5	U/		17	U/		5	U/		5	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		17	U/		5	U/		5	U/	
Tetrachloroethene	5	U/		5	U/		17	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		17	U/		5	U/		5	U/	
Trichloroethene	5	U/		5	U/		17	U/		5	U/		5	U/	
Vinyl Chloride	5	U/		5	U/		17	U/		5	U/		5	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

D = Results based on diluted sample

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Organic Compound Detections in Samples from Lower Aquifer Monitoring Wells - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW29 Interior Mar-06	MW29 Interior *BV*	MW30 Downgradient Mar-06	MW30 Downgradient *BV*	MW31 Downgradient Mar-06	MW31 Downgradient *BV*	MW32 Downgradient Mar-06	MW32 Downgradient *BV*	MW33 Downgradient Mar-06	MW33 Downgradient *BV*
Volatile Organic Compounds										
1,1-Dichloroethane	5 U/		5 U/		5 U/		5 U/		5 U/	
1,1-Dichloroethene	5 U/		5 U/		5 U/		5 U/		5 U/	
1,2-Dichloroethane	5 U/		5 U/		5 U/		5 U/		5 U/	
Benzene	5 U/		5 U/		5 U/		5 U/		5 U/	
Chloroethane	**80**	*10*	5 U/		5 U/		5 U/		5 U/	
cis-1,2-Dichloroethene	5 U/		5 U/		5 U/		5 U/		5 U/	
Tetrachloroethene	5 U/		5 U/		5 U/		5 U/		5 U/	
trans-1,2-Dichloroethene	5 U/		5 U/		5 U/		5 U/		5 U/	
Trichloroethene	5 U/		5 U/		5 U/		5 U/		5 U/	
Vinyl Chloride	5 U/		5 U/		5 U/		5 U/		5 U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

D = Results based on diluted sample

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Organic Compound Detections in Samples from Lower Aquifer Monitoring Wells - March 2006
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW51 Downgradient Mar-06		*BV*	MW52 Downgradient Mar-06		*BV*	MW53 Downgradient Mar-06		*BV*	MW54R Downgradient Mar-06		*BV*	MW55 Downgradient Mar-06		*BV*	MW56 Interior Mar-06		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
1,1-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
1,2-Dichloroethane	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
Benzene	5	U/		5	U/		**14**		*10*	5	U/		5	U/		**320**	D/	*NA*
Chloroethane	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
Tetrachloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
Trichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	
Vinyl Chloride	5	U/		5	U/		5	U/		5	U/		5	U/		13	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

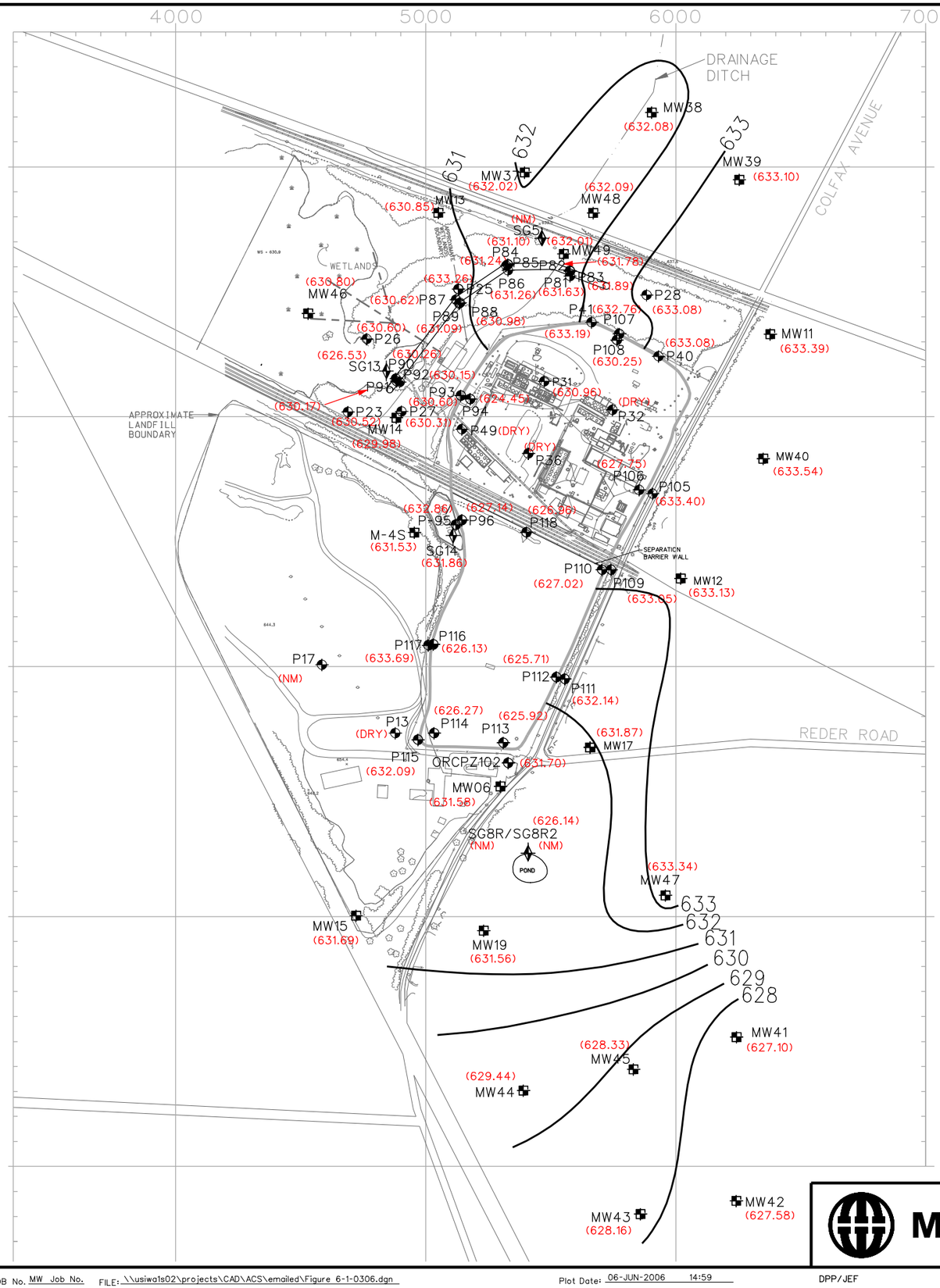
J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

D = Results based on diluted sample

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value



LEGEND

- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- MW13 — UPPER AQUIFER WELL LOCATION AND DESIGNATION
- P61 — PIEZOMETER LOCATION AND DESIGNATION
- SG5 — STAFF GAUGE LOCATION AND DESIGNATION
- (633.10) — GROUNDWATER ELEVATION
- 631 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- INDICATES A DEPRESSION
- (NM) — NOT MEASURED
- MW17 (NU) — NOT USED DUE TO PROBABLE DATA RECORDING ERROR
- P13 (DRY) — DRY WELL

NOTE:

1. GROUNDWATER ELEVATIONS WERE MEASURED ON MARCH 20, 2006.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

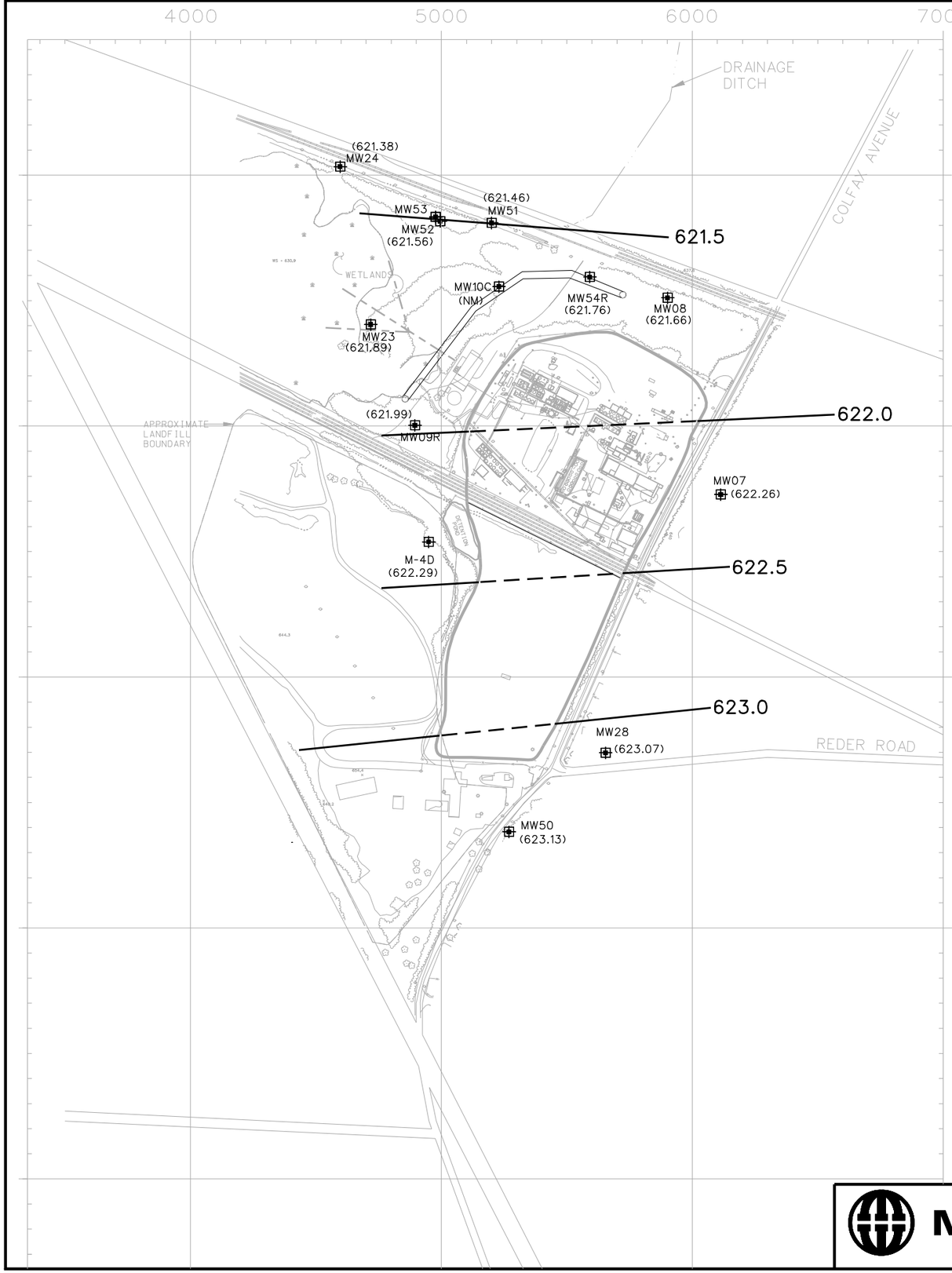
N

0 500 1000

SCALE IN FEET

MWH	SCALE: AS SHOWN	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	UPPER AQUIFER WATER TABLE CONTOUR MAP MARCH 2006 — FIGURE 1

JOB No. MW Job No. FILE: \\usiwa1s02\projects\CAD\ACS\emailed\Figure 6-1-0306.dgn Plot Date: 06-JUN-2006 14:59 DPP/JEF



LEGEND

	BARRIER WALL
MW52	LOWER AQUIFER WELL LOCATION AND DESIGNATION
(621.56)	GROUNDWATER ELEVATION
622.0	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
(NM)	NOT MEASURED

NOTES:

1. GROUNDWATER ELEVATIONS WERE MEASURED ON MARCH 20, 2006.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

N

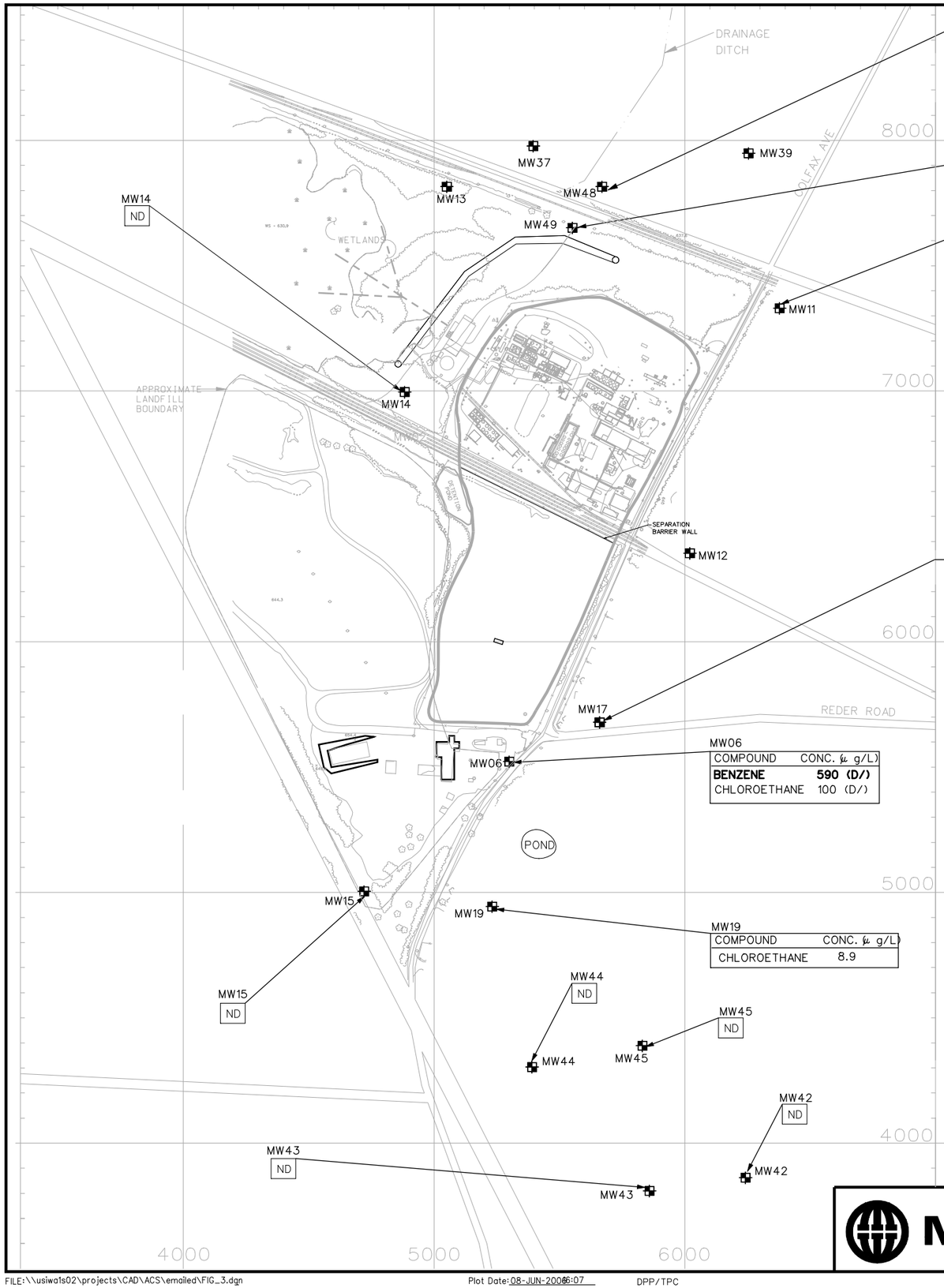
0 500 1000

SCALE IN FEET

MWH

SCALE		FIGURE
AS SHOWN	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	LOWER AQUIFER POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 2006	2

JOB No. MW Job No. FILE: \\usiwa1s02\projects\CAD\ACS\emailed\Figure 2-0306.dgn Plot Date: 22-MAY-2006 11:34 DPP/JEF



LEGEND

MW11	UPPER AQUIFER WELL LOCATION AND DESIGNATION
	BARRIER WALL
	PERIMETER GROUND WATER CONTAINMENT SYSTEM
µg/L	MICROGRAMS PER LITER
(J)	INDICATES AN ESTIMATED VALUE (LAB/VALIDATED)
(D)	INDICATES SAMPLE WAS DILUTED (LAB/VALIDATED)
ND	NO COMPOUNDS DETECTED

NOTES:
1. CONCENTRATIONS IN BOLD EXCEEDED BASELINE VALUES.

N

0 500 1000

SCALE IN FEET

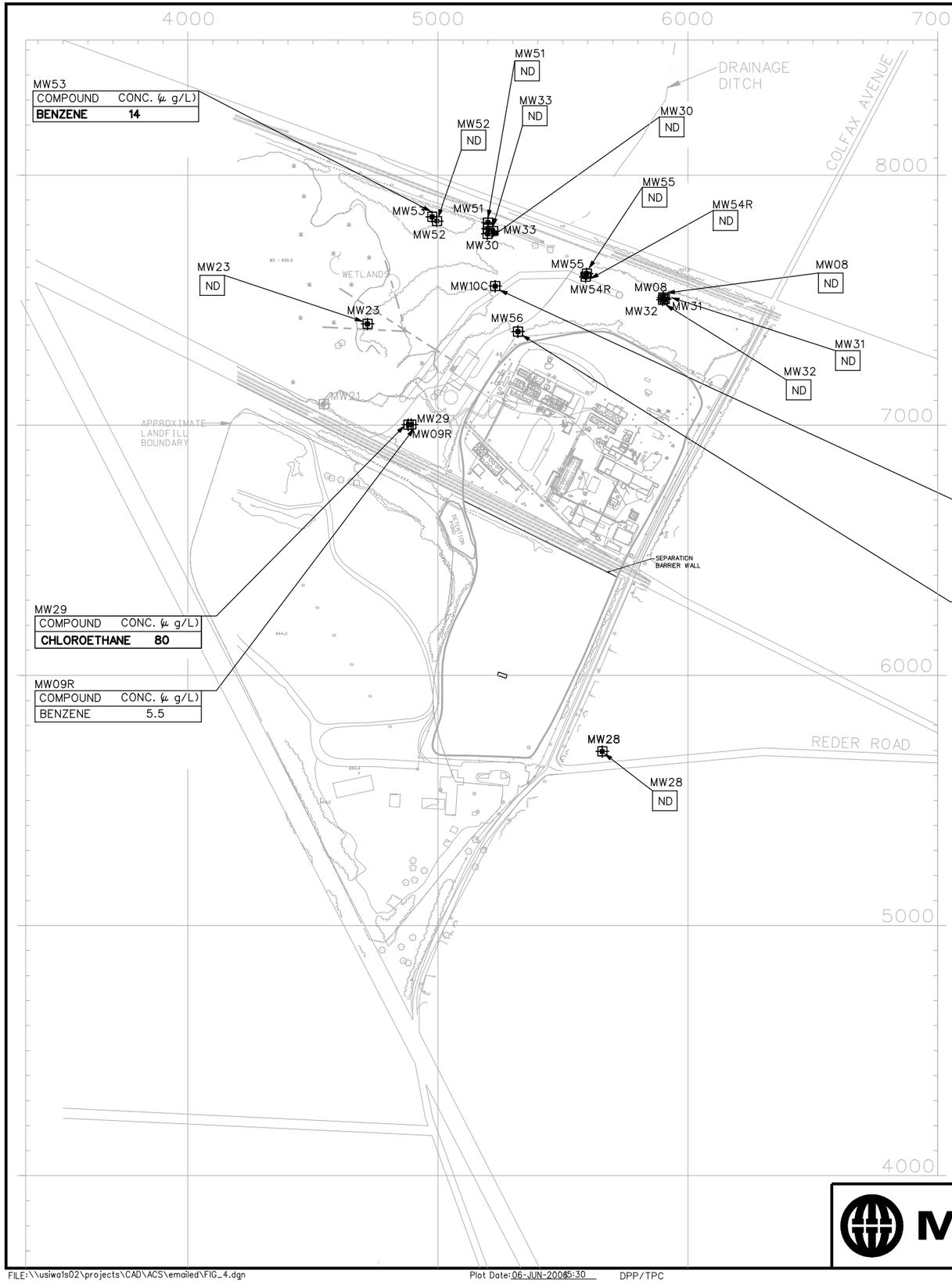
MWH

AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

DETECTED COMPOUNDS
IN SAMPLES FROM UPPER AQUIFER
MONITORING WELLS
MARCH 2006

FIGURE 3

FILE:\\usiwa1s02\projects\CAD\ACS\emailed\FIG_3.dgn Plot Date:08-JUN-2006 6:07 DPP/TPC



LEGEND

	BARRIER WALL
	PERIMETER GROUND WATER CONTAINMENT SYSTEM
MW53	LOWER AQUIFER WELL LOCATION AND DESIGNATION
µg/L	MICROGRAMS PER LITER
(D)	INDICATES SAMPLE WAS DILUTED (LAB/VALIDATED)
(J)	INDICATES AN ESTIMATED VALUE (LAB/VALIDATED)
ND	NO COMPOUNDS DETECTED

NOTE: CONCENTRATIONS IN BOLD EXCEEDED BASELINE VALUES

N

0 500 1000

SCALE IN FEET

MWH

AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

DETECTED COMPOUNDS
IN SAMPLES FROM LOWER AQUIFER
MONITORING WELLS
MARCH 2006

FIGURE
4

FILE:\\usiwa1s02\projects\CAD\ACS\emailed\FIG_4.dgn Plot Date:06-JUN-2006 15:30 DPP/TPC

Appendix A
Comparison of March 2006 Results to Maximum Baseline Concentrations

Monitoring Wells

VOC Results

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-06	1,1-Dichloroethane	UG/L	21		U		20
MW-06	1,1-Dichloroethene	UG/L	50		U		20
MW-06	1,2-Dichloroethane	UG/L	50		U		20
MW-06	Benzene	UG/L	320	**590**	D		20
MW-06	Chloroethane	UG/L	720	100	D		20
MW-06	cis-1,2-Dichloroethene	UG/L			U		20
MW-06	Tetrachloroethene	UG/L	50		U		20
MW-06	trans-1,2-Dichloroethene	UG/L			U		20
MW-06	Trichloroethene	UG/L	50		U		20
MW-06	Vinyl chloride	UG/L	50		U		20
MW-08	1,1-Dichloroethane	UG/L	10		U		5
MW-08	1,1-Dichloroethene	UG/L	10		U		5
MW-08	1,2-Dichloroethane	UG/L	10		U		5
MW-08	Benzene	UG/L	10		U		5
MW-08	Chloroethane	UG/L	10		U		5
MW-08	cis-1,2-Dichloroethene	UG/L			U		5
MW-08	Tetrachloroethene	UG/L	10		U		5
MW-08	trans-1,2-Dichloroethene	UG/L			U		5
MW-08	Trichloroethene	UG/L	10		U		5
MW-08	Vinyl chloride	UG/L	10		U		5
MW-09R	1,1-Dichloroethane	UG/L	200		U		5
MW-09R	1,1-Dichloroethene	UG/L	200		U		5
MW-09R	1,2-Dichloroethane	UG/L	200		U		5
MW-09R	Benzene	UG/L	310	5.5			5
MW-09R	Chloroethane	UG/L	2,900		U		5
MW-09R	cis-1,2-Dichloroethene	UG/L			U		5
MW-09R	Tetrachloroethene	UG/L	200		U		5
MW-09R	trans-1,2-Dichloroethene	UG/L			U		5
MW-09R	Trichloroethene	UG/L	200		U		5
MW-09R	Vinyl chloride	UG/L	200		U		5
MW-10C	1,1-Dichloroethane	UG/L	150		U		17
MW-10C	1,1-Dichloroethene	UG/L	150		U		17
MW-10C	1,2-Dichloroethane	UG/L	150		U		17
MW-10C	Benzene	UG/L	150	**530**	D		17
MW-10C	Chloroethane	UG/L	420		U		17
MW-10C	cis-1,2-Dichloroethene	UG/L			U		17
MW-10C	Tetrachloroethene	UG/L	150		U		17
MW-10C	trans-1,2-Dichloroethene	UG/L			U		17
MW-10C	Trichloroethene	UG/L	150		U		17
MW-10C	Vinyl chloride	UG/L	129		U		17
MW-11	1,1-Dichloroethane	UG/L	10		U		5
MW-11	1,1-Dichloroethene	UG/L	10		U		5
MW-11	1,2-Dichloroethane	UG/L	10		U		5
MW-11	Benzene	UG/L	10		U		5
MW-11	Chloroethane	UG/L	10		U		5
MW-11	cis-1,2-Dichloroethene	UG/L			U		5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-11	Tetrachloroethene	UG/L	10		U		5
MW-11	trans-1,2-Dichloroethene	UG/L			U		5
MW-11	Trichloroethene	UG/L	10		U		5
MW-11	Vinyl chloride	UG/L	10		U		5
MW-14	1,1-Dichloroethane	UG/L	100		U		5
MW-14	1,1-Dichloroethene	UG/L	100		U		5
MW-14	1,2-Dichloroethane	UG/L	100		U		5
MW-14	Benzene	UG/L	41		U		5
MW-14	Chloroethane	UG/L	1,000		U		5
MW-14	cis-1,2-Dichloroethene	UG/L			U		5
MW-14	Tetrachloroethene	UG/L	100		U		5
MW-14	trans-1,2-Dichloroethene	UG/L			U		5
MW-14	Trichloroethene	UG/L	100		U		5
MW-14	Vinyl chloride	UG/L	100		U		5
MW-15	1,1-Dichloroethane	UG/L	10		U		5
MW-15	1,1-Dichloroethene	UG/L	10		U		5
MW-15	1,2-Dichloroethane	UG/L	10		U		5
MW-15	Benzene	UG/L	10		U		5
MW-15	Chloroethane	UG/L	10		U		5
MW-15	cis-1,2-Dichloroethene	UG/L			U		5
MW-15	Tetrachloroethene	UG/L	10		U		5
MW-15	trans-1,2-Dichloroethene	UG/L			U		5
MW-15	Trichloroethene	UG/L	10		U		5
MW-15	Vinyl chloride	UG/L	10		U		5
MW-17	1,1-Dichloroethane	UG/L			U		5
MW-17	1,1-Dichloroethene	UG/L			U		5
MW-17	1,2-Dichloroethane	UG/L			U		5
MW-17	Benzene	UG/L			U		5
MW-17	Chloroethane	UG/L			U		5
MW-17	cis-1,2-Dichloroethene	UG/L			U		5
MW-17	Tetrachloroethene	UG/L			U		5
MW-17	trans-1,2-Dichloroethene	UG/L			U		5
MW-17	Trichloroethene	UG/L			U		5
MW-17	Vinyl chloride	UG/L			U		5
MW-19	1,1-Dichloroethane	UG/L	10		U		5
MW-19	1,1-Dichloroethene	UG/L	10		U		5
MW-19	1,2-Dichloroethane	UG/L	10		U		5
MW-19	Benzene	UG/L	10		U		5
MW-19	Chloroethane	UG/L	20	8.9			5
MW-19	cis-1,2-Dichloroethene	UG/L			U		5
MW-19	Tetrachloroethene	UG/L	10		U		5
MW-19	trans-1,2-Dichloroethene	UG/L			U		5
MW-19	Trichloroethene	UG/L	10		U		5
MW-19	Vinyl chloride	UG/L	10		U		5
MW-23	1,1-Dichloroethane	UG/L	10		U		5
MW-23	1,1-Dichloroethene	UG/L	10		U		5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-23	1,2-Dichloroethane	UG/L	10		U		5
MW-23	Benzene	UG/L	10		U		5
MW-23	Chloroethane	UG/L	10		U		5
MW-23	cis-1,2-Dichloroethene	UG/L			U		5
MW-23	Tetrachloroethene	UG/L	10		U		5
MW-23	trans-1,2-Dichloroethene	UG/L			U		5
MW-23	Trichloroethene	UG/L	10		U		5
MW-23	Vinyl chloride	UG/L	10		U		5
MW-28	1,1-Dichloroethane	UG/L	10		U		5
MW-28	1,1-Dichloroethene	UG/L	10		U		5
MW-28	1,2-Dichloroethane	UG/L	10		U		5
MW-28	Benzene	UG/L	10		U		5
MW-28	Chloroethane	UG/L	10		U		5
MW-28	cis-1,2-Dichloroethene	UG/L			U		5
MW-28	Tetrachloroethene	UG/L	10		U		5
MW-28	trans-1,2-Dichloroethene	UG/L			U		5
MW-28	Trichloroethene	UG/L	10		U		5
MW-28	Vinyl chloride	UG/L	10		U		5
MW-29	1,1-Dichloroethane	UG/L	10		U		5
MW-29	1,1-Dichloroethene	UG/L	10		U		5
MW-29	1,2-Dichloroethane	UG/L	10		U		5
MW-29	Benzene	UG/L	10		U		5
MW-29	Chloroethane	UG/L	10	**80**			5
MW-29	cis-1,2-Dichloroethene	UG/L			U		5
MW-29	Tetrachloroethene	UG/L	10		U		5
MW-29	trans-1,2-Dichloroethene	UG/L			U		5
MW-29	Trichloroethene	UG/L	10		U		5
MW-29	Vinyl chloride	UG/L	10		U		5
MW-30	1,1-Dichloroethane	UG/L	10		U		5
MW-30	1,1-Dichloroethene	UG/L	10		U		5
MW-30	1,2-Dichloroethane	UG/L	10		U		5
MW-30	Benzene	UG/L	10		U		5
MW-30	Chloroethane	UG/L	10		U		5
MW-30	cis-1,2-Dichloroethene	UG/L			U		5
MW-30	Tetrachloroethene	UG/L	10		U		5
MW-30	trans-1,2-Dichloroethene	UG/L			U		5
MW-30	Trichloroethene	UG/L	10		U		5
MW-30	Vinyl chloride	UG/L	10		U		5
MW-31	1,1-Dichloroethane	UG/L	10		U		5
MW-31	1,1-Dichloroethene	UG/L	10		U		5
MW-31	1,2-Dichloroethane	UG/L	10		U		5
MW-31	Benzene	UG/L	10		U		5
MW-31	Chloroethane	UG/L	10		U		5
MW-31	cis-1,2-Dichloroethene	UG/L			U		5
MW-31	Tetrachloroethene	UG/L	10		U		5
MW-31	trans-1,2-Dichloroethene	UG/L			U		5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-31	Trichloroethene	UG/L	10		U		5
MW-31	Vinyl chloride	UG/L	10		U		5
MW-32	1,1-Dichloroethane	UG/L	10		U		5
MW-32	1,1-Dichloroethene	UG/L	10		U		5
MW-32	1,2-Dichloroethane	UG/L	10		U		5
MW-32	Benzene	UG/L	10		U		5
MW-32	Chloroethane	UG/L	10		U		5
MW-32	cis-1,2-Dichloroethene	UG/L			U		5
MW-32	Tetrachloroethene	UG/L	10		U		5
MW-32	trans-1,2-Dichloroethene	UG/L			U		5
MW-32	Trichloroethene	UG/L	10		U		5
MW-32	Vinyl chloride	UG/L	10		U		5
MW-33	1,1-Dichloroethane	UG/L	10		U		5
MW-33	1,1-Dichloroethene	UG/L	10		U		5
MW-33	1,2-Dichloroethane	UG/L	10		U		5
MW-33	Benzene	UG/L	10		U		5
MW-33	Chloroethane	UG/L	10		U		5
MW-33	cis-1,2-Dichloroethene	UG/L			U		5
MW-33	Tetrachloroethene	UG/L	10		U		5
MW-33	trans-1,2-Dichloroethene	UG/L			U		5
MW-33	Trichloroethene	UG/L	10		U		5
MW-33	Vinyl chloride	UG/L	10		U		5
MW-42	1,1-Dichloroethane	UG/L	10		U		5
MW-42	1,1-Dichloroethene	UG/L	10		U		5
MW-42	1,2-Dichloroethane	UG/L	10		U		5
MW-42	Benzene	UG/L	10		U		5
MW-42	Chloroethane	UG/L	10		U		5
MW-42	cis-1,2-Dichloroethene	UG/L			U		5
MW-42	Tetrachloroethene	UG/L	10		U		5
MW-42	trans-1,2-Dichloroethene	UG/L			U		5
MW-42	Trichloroethene	UG/L	10		U		5
MW-42	Vinyl chloride	UG/L	10		U		5
MW-43	1,1-Dichloroethane	UG/L	10		U		5
MW-43	1,1-Dichloroethene	UG/L	10		U		5
MW-43	1,2-Dichloroethane	UG/L	10		U		5
MW-43	Benzene	UG/L	10		U		5
MW-43	Chloroethane	UG/L	10		U		5
MW-43	cis-1,2-Dichloroethene	UG/L			U		5
MW-43	Tetrachloroethene	UG/L	10		U		5
MW-43	trans-1,2-Dichloroethene	UG/L			U		5
MW-43	Trichloroethene	UG/L	10		U		5
MW-43	Vinyl chloride	UG/L	10		U		5
MW-44	1,1-Dichloroethane	UG/L	10		U		5
MW-44	1,1-Dichloroethene	UG/L	10		U		5
MW-44	1,2-Dichloroethane	UG/L	10		U		5
MW-44	Benzene	UG/L	10		U		5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-44	Chloroethane	UG/L	10		U		5
MW-44	cis-1,2-Dichloroethene	UG/L			U		5
MW-44	Tetrachloroethene	UG/L	10		U		5
MW-44	trans-1,2-Dichloroethene	UG/L			U		5
MW-44	Trichloroethene	UG/L	10		U		5
MW-44	Vinyl chloride	UG/L	10		U		5
MW-45	1,1-Dichloroethane	UG/L	80		U		5
MW-45	1,1-Dichloroethene	UG/L	80		U		5
MW-45	1,2-Dichloroethane	UG/L	80		U		5
MW-45	Benzene	UG/L	1,045		U		5
MW-45	Chloroethane	UG/L	215		U		5
MW-45	cis-1,2-Dichloroethene	UG/L			U		5
MW-45	Tetrachloroethene	UG/L	80		U		5
MW-45	trans-1,2-Dichloroethene	UG/L			U		5
MW-45	Trichloroethene	UG/L	80		U		5
MW-45	Vinyl chloride	UG/L	80		U		5
MW-48	1,1-Dichloroethane	UG/L	500		U		5
MW-48	1,1-Dichloroethene	UG/L	500		U		5
MW-48	1,2-Dichloroethane	UG/L	500		U		5
MW-48	Benzene	UG/L	9,500	7.3			5
MW-48	Chloroethane	UG/L	1,000	4.6	J		5
MW-48	cis-1,2-Dichloroethene	UG/L			U		5
MW-48	Tetrachloroethene	UG/L	500		U		5
MW-48	trans-1,2-Dichloroethene	UG/L			U		5
MW-48	Trichloroethene	UG/L	500		U		5
MW-48	Vinyl chloride	UG/L	500		U		5
MW-49	1,1-Dichloroethane	UG/L	500		U		5
MW-49	1,1-Dichloroethene	UG/L	500		U		5
MW-49	1,2-Dichloroethane	UG/L	500		U		5
MW-49	Benzene	UG/L	6,750	86			5
MW-49	Chloroethane	UG/L	715	3.3	J		5
MW-49	cis-1,2-Dichloroethene	UG/L			U		5
MW-49	Tetrachloroethene	UG/L	500		U		5
MW-49	trans-1,2-Dichloroethene	UG/L			U		5
MW-49	Trichloroethene	UG/L	500		U		5
MW-49	Vinyl chloride	UG/L	500		U		5
MW-51	1,1-Dichloroethane	UG/L	100		U		5
MW-51	1,1-Dichloroethene	UG/L	100		U		5
MW-51	1,2-Dichloroethane	UG/L	100		U		5
MW-51	Benzene	UG/L	100		U		5
MW-51	Chloroethane	UG/L	100		U		5
MW-51	cis-1,2-Dichloroethene	UG/L			U		5
MW-51	Tetrachloroethene	UG/L	100		U		5
MW-51	trans-1,2-Dichloroethene	UG/L			U		5
MW-51	Trichloroethene	UG/L	100		U		5
MW-51	Vinyl chloride	UG/L	100		U		5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-52	1,1-Dichloroethane	UG/L	100		U		5
MW-52	1,1-Dichloroethene	UG/L	100		U		5
MW-52	1,2-Dichloroethane	UG/L	100		U		5
MW-52	Benzene	UG/L	100		U		5
MW-52	Chloroethane	UG/L	100		U		5
MW-52	cis-1,2-Dichloroethene	UG/L			U		5
MW-52	Tetrachloroethene	UG/L	100		U		5
MW-52	trans-1,2-Dichloroethene	UG/L			U		5
MW-52	Trichloroethene	UG/L	100		U		5
MW-52	Vinyl chloride	UG/L	100		U		5
MW-53	1,1-Dichloroethane	UG/L	10		U		5
MW-53	1,1-Dichloroethene	UG/L	10		U		5
MW-53	1,2-Dichloroethane	UG/L	10		U		5
MW-53	Benzene	UG/L	10	**14**			5
MW-53	Chloroethane	UG/L	10		U		5
MW-53	cis-1,2-Dichloroethene	UG/L			U		5
MW-53	Tetrachloroethene	UG/L	10		U		5
MW-53	trans-1,2-Dichloroethene	UG/L			U		5
MW-53	Trichloroethene	UG/L	10		U		5
MW-53	Vinyl chloride	UG/L	10		U		5
MW-54R	1,1-Dichloroethane	UG/L	10		U		5
MW-54R	1,1-Dichloroethene	UG/L	10		U		5
MW-54R	1,2-Dichloroethane	UG/L	10		U		5
MW-54R	Benzene	UG/L	10		U		5
MW-54R	Chloroethane	UG/L	10		U		5
MW-54R	cis-1,2-Dichloroethene	UG/L			U		5
MW-54R	Tetrachloroethene	UG/L	10		U		5
MW-54R	trans-1,2-Dichloroethene	UG/L			U		5
MW-54R	Trichloroethene	UG/L	10		U		5
MW-54R	Vinyl chloride	UG/L	10		U		5
MW-55	1,1-Dichloroethane	UG/L	10		U		5
MW-55	1,1-Dichloroethene	UG/L	10		U		5
MW-55	1,2-Dichloroethane	UG/L	10		U		5
MW-55	Benzene	UG/L	10		U		5
MW-55	Chloroethane	UG/L	10		U		5
MW-55	cis-1,2-Dichloroethene	UG/L			U		5
MW-55	Tetrachloroethene	UG/L	10		U		5
MW-55	trans-1,2-Dichloroethene	UG/L			U		5
MW-55	Trichloroethene	UG/L	10		U		5
MW-55	Vinyl chloride	UG/L	10		U		5
MW-56	1,1-Dichloroethane	UG/L			U		13
MW-56	1,1-Dichloroethene	UG/L			U		13
MW-56	1,2-Dichloroethane	UG/L			U		13
MW-56	Benzene	UG/L		320	D		13
MW-56	Chloroethane	UG/L			U		13
MW-56	cis-1,2-Dichloroethene	UG/L			U		13

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - March 2006
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
MW-56	Tetrachloroethene	UG/L			U		13
MW-56	trans-1,2-Dichloroethene	UG/L			U		13
MW-56	Trichloroethene	UG/L			U		13
MW-56	Vinyl chloride	UG/L			U		13

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendices C and D.

DPP/TPC
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Appendix B
Concentration Vs. Time Plots

Upper Aquifer Monitoring Wells

MW06
MW11
MW14
MW15
MW17
MW19
MW42
MW43
MW44
MW45
MW48
MW49

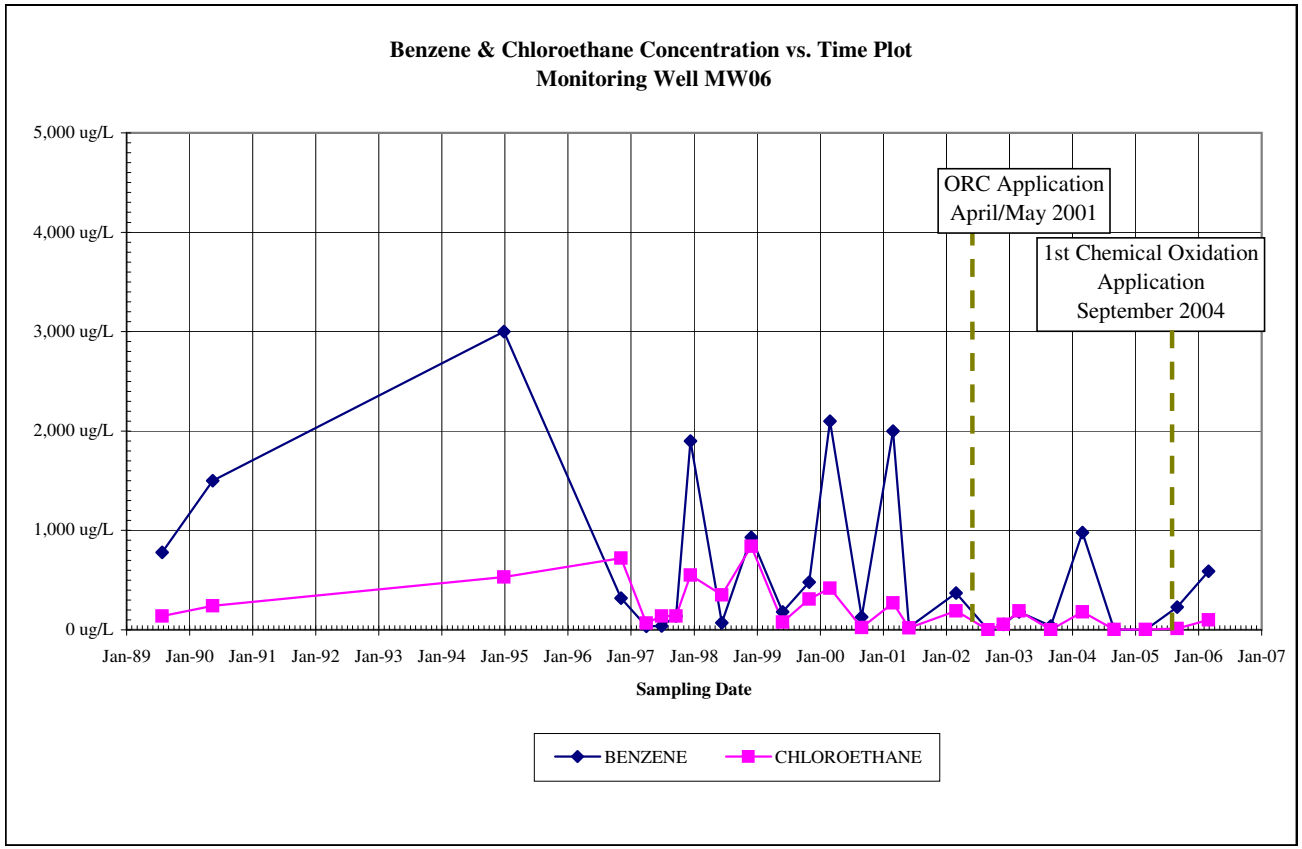
Lower Aquifer Monitoring Wells

MW08
MW09R
MW10C
MW23
MW28
MW29
MW30
MW31
MW32
MW33
MW51
MW52
MW53
MW54R
MW55
MW56

Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW06

DATE	BENZENE	CHLOROETHANE
BASELINE	**320**	**720**
August-89	780 ug/L	140 ug/L
May-90	1,500 ug/L	240 ug/L
December-94	3,000 ug/L	530 ug/L
November-96	320 ug/L	720 ug/L
April-97	35 ug/L	67 ug/L
July-97	39 ug/L	140 ug/L
September-97	140 ug/L	140 ug/L
December-97	1,900 ug/L	550 ug/L
June-98	72 ug/L	350 ug/L
December-98	930 ug/L	840 ug/L
June-99	180 ug/L	78 ug/L
November-99	480 ug/L	310 ug/L
March-00	2,100 ug/L	420 ug/L
September-00	130 ug/L	22 ug/L
March-01	2,000 ug/L	270 ug/L
June-01	26 ug/L	18 ug/L
March-02	370 ug/L	190 ug/L
September-02	BDL	BDL
December-02	54 ug/L	56 ug/L
March-03	180 ug/L	190 ug/L
September-03	39 ug/L	BDL
March-04	980 ug/L	180 ug/L
September-04	2.7 ug/L	2.6 ug/L
March-05	BDL	3 ug/L
September-05	230 ug/L	14 ug/L
March-06	590 ug/L	100 ug/L

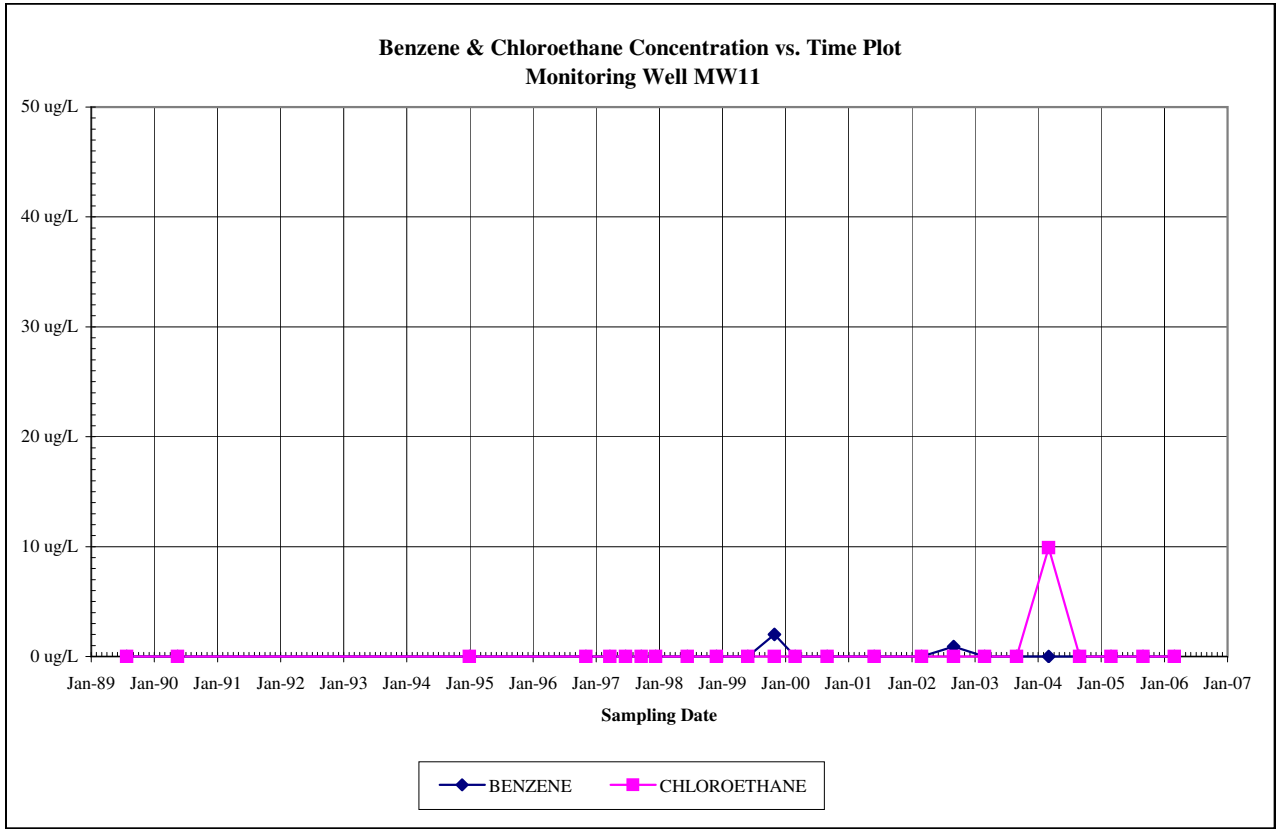
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW11

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89	BDL	BDL
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	0.9 ug/L	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	9.9
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

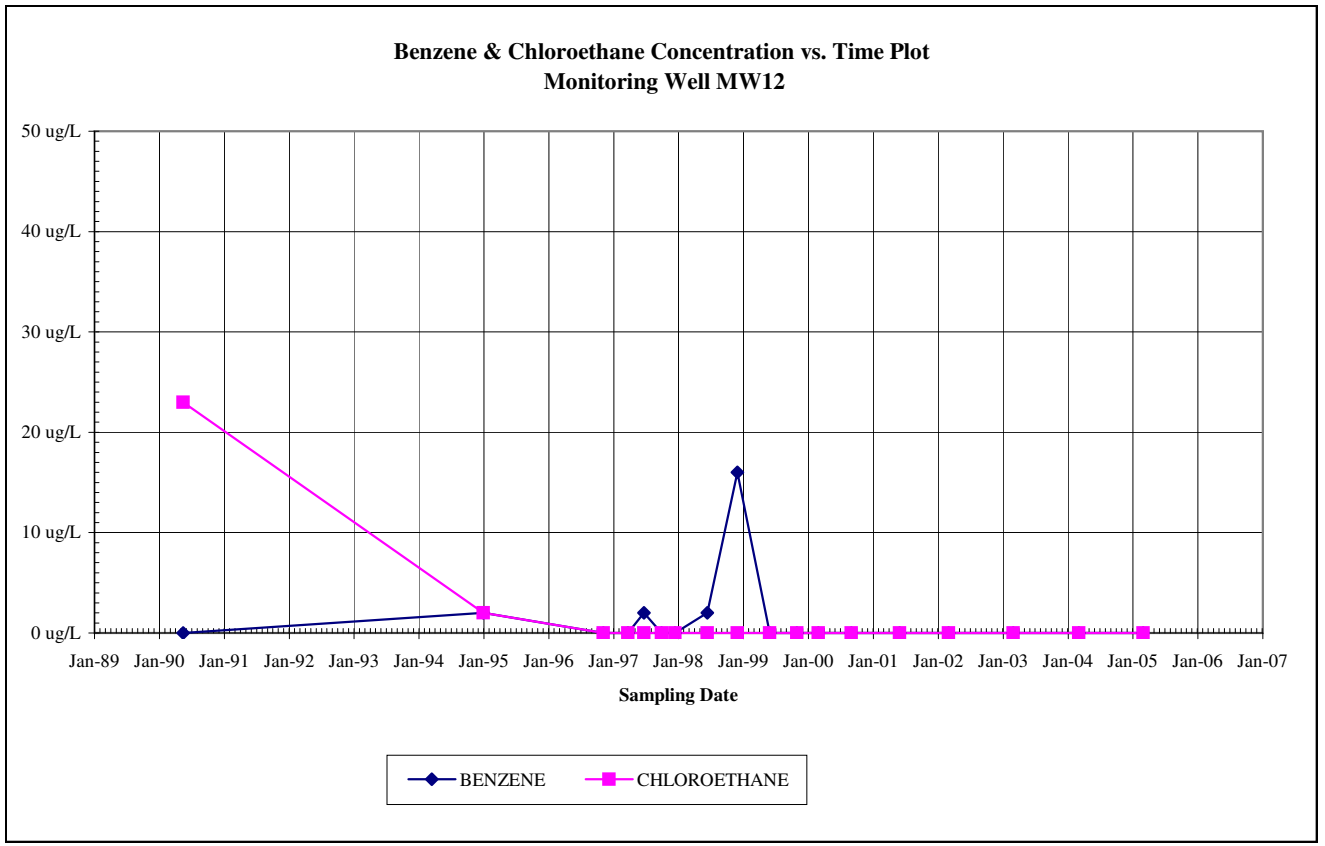
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW12

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90	BDL	23 ug/L
January-95	2 ug/L	2 ug/L
November-96	BDL	BDL
March-97	BDL	BDL
June-97	2 ug/L	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	16 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL

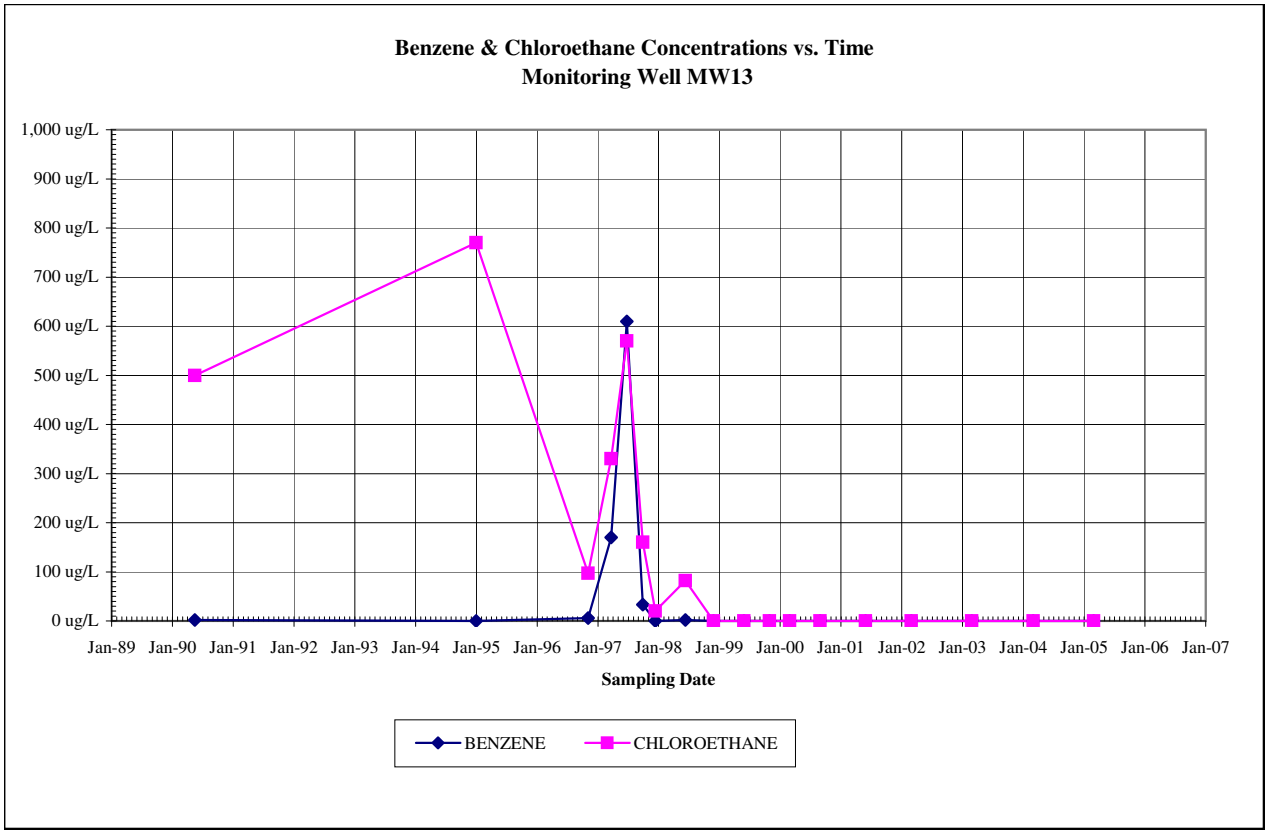
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW13

DATE	BENZENE	CHLOROETHANE
BASELINE	**610**	**570**
August-89		
May-90	2 ug/L	500 ug/L
January-95	BDL	770 ug/L
November-96	6 ug/L	97 ug/L
March-97	170 ug/L	330 ug/L
June-97	610 ug/L	570 ug/L
October-97	33 ug/L	160 ug/L
December-97	BDL	20 ug/L
June-98	2 ug/L	82 ug/L
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL

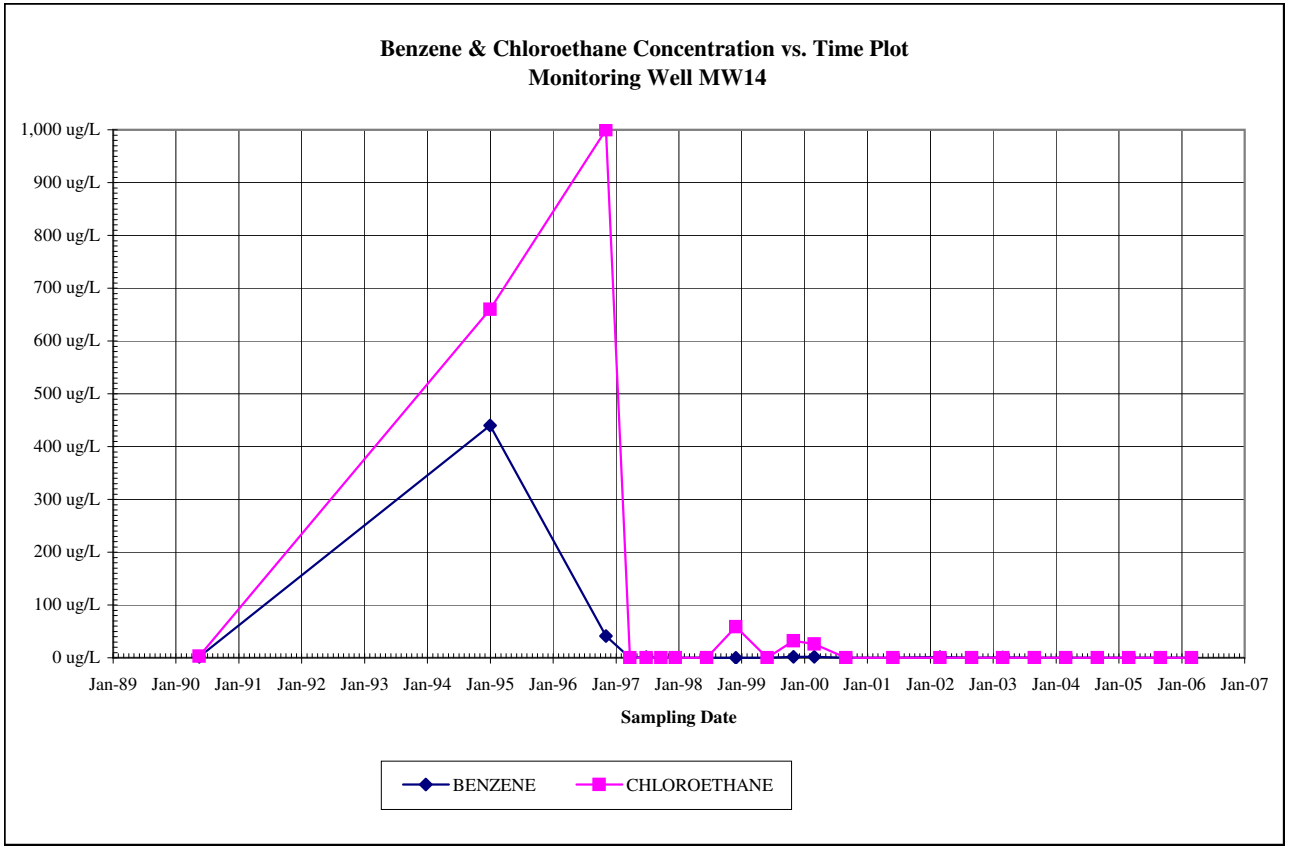
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW14

DATE	BENZENE	CHLOROETHANE
BASELINE	**41**	**1000**
August-89		
May-90	2 ug/L	3 ug/L
January-95	440 ug/L	660 ug/L
November-96	41 ug/L	1,000 ug/L
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	59 ug/L
June-99	BDL	BDL
November-99	2 ug/L	32 ug/L
March-00	2 ug/L	26 ug/L
September-00	BDL	BDL
June-01	BDL	BDL
March-02	1 ug/L	BDL
September-02	BDL	BDL
March-03	0.7 ug/L	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

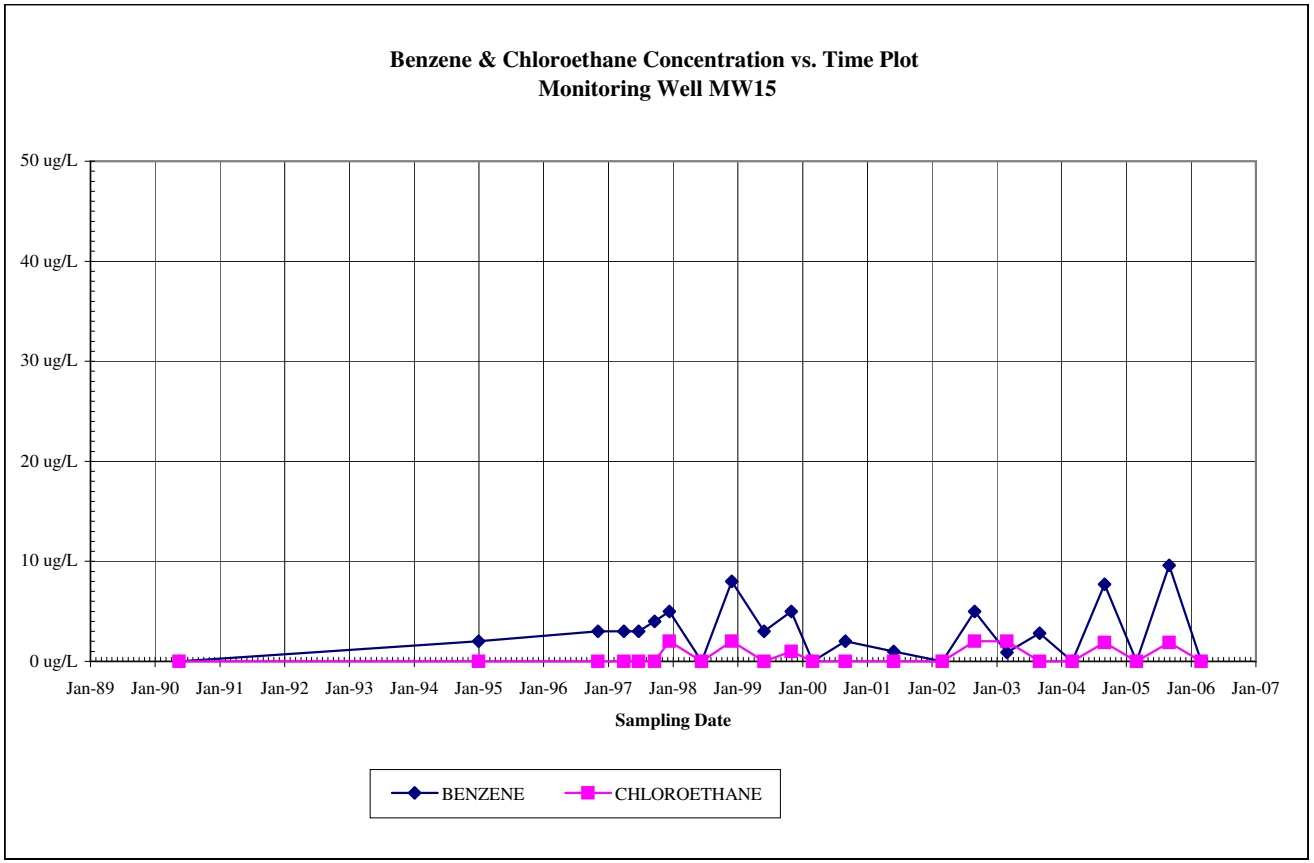
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW15

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90	BDL	BDL
January-95	2 ug/L	BDL
November-96	3 ug/L	BDL
April-97	3 ug/L	BDL
June-97	3 ug/L	BDL
September-97	4 ug/L	BDL
December-97	5 ug/L	2 ug/L
June-98	BDL	BDL
December-98	8 ug/L	2 ug/L
June-99	3 ug/L	BDL
November-99	5 ug/L	1 ug/L
March-00	BDL	BDL
September-00	2 ug/L	BDL
June-01	1 ug/L	BDL
March-02	BDL	BDL
September-02	5 ug/L	2 ug/L
March-03	1 ug/L	2 ug/L
September-03	2.8 ug/L	BDL
March-04	BDL	BDL
September-04	7.7 ug/L	1.9 ug/L
March-05	BDL	BDL
September-05	9.6 ug/L	1.9 ug/L
March-06	BDL	BDL

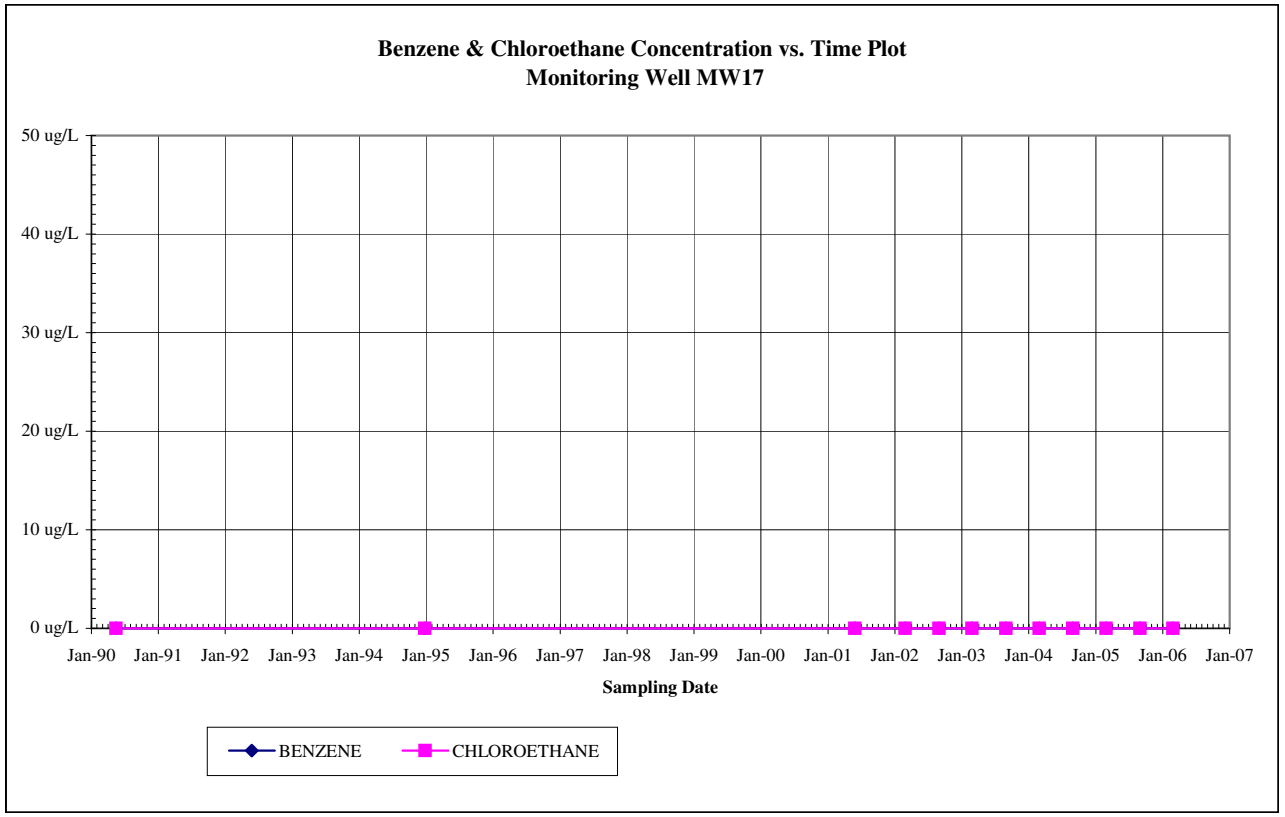
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW17

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
May-90	BDL	BDL
December-94	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

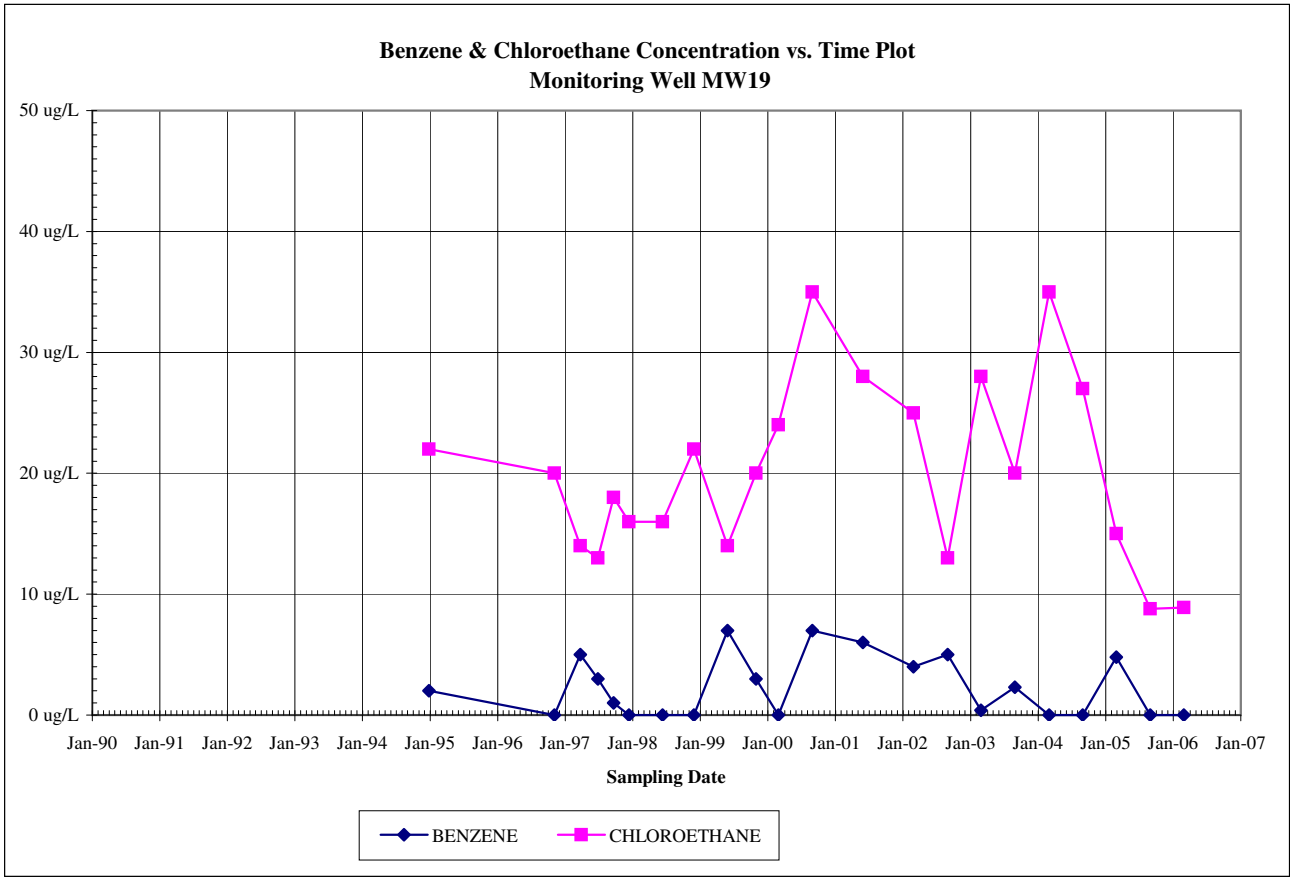
BDL = Below the Detection Limit
Baseline values adopted from nearby abandoned well MW18



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW19

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**20**
August-89		
May-90		
December-94	2 ug/L	22 ug/L
November-96	BDL	20 ug/L
March-97	5 ug/L	14 ug/L
June-97	3 ug/L	13 ug/L
September-97	1 ug/L	18 ug/L
December-97	BDL	16 ug/L
June-98	BDL	16 ug/L
December-98	BDL	22 ug/L
June-99	7 ug/L	14 ug/L
November-99	3 ug/L	20 ug/L
March-00	BDL	24 ug/L
September-00	7 ug/L	35 ug/L
June-01	6 ug/L	28 ug/L
March-02	4 ug/L	25 ug/L
September-02	5 ug/L	13 ug/L
March-03	0.4 ug/L	28 ug/L
September-03	2.3 ug/L	20 ug/L
March-04	BDL	35 ug/L
September-04	BDL	27 ug/L
March-05	4.8 ug/L	15 ug/L
September-05	BDL	8.8 ug/L
March-06	BDL	8.9 ug/L

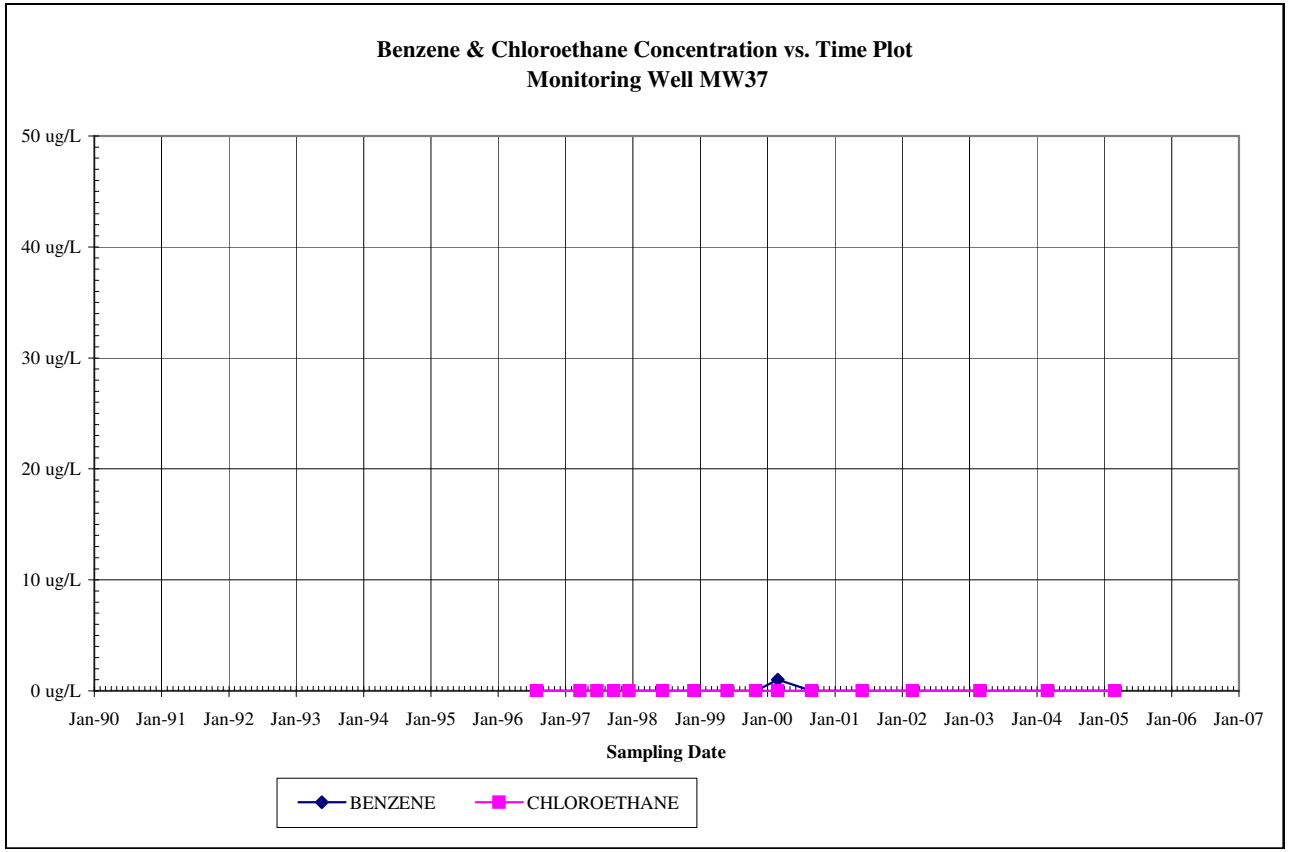
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW37

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	1 ug/L	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL

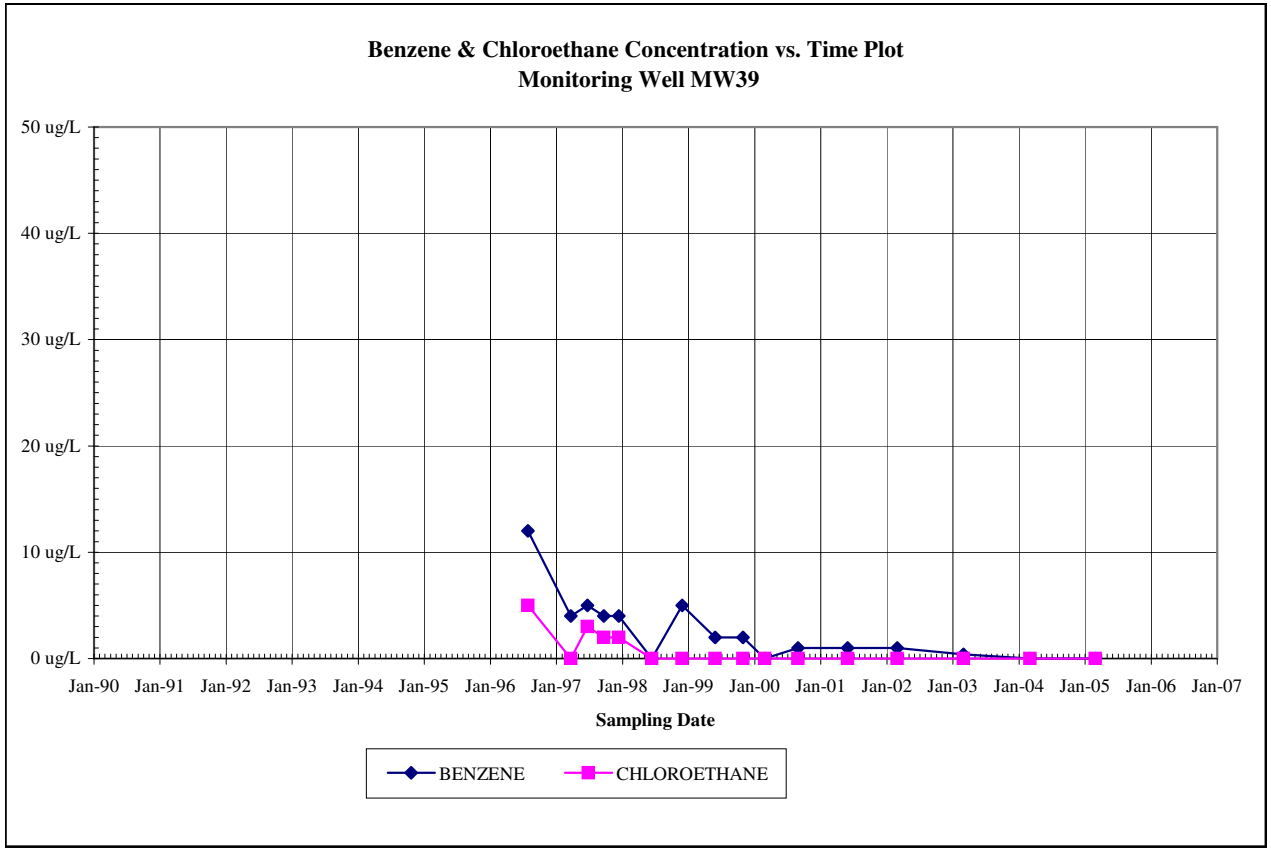
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW39

DATE	BENZENE	CHLOROETHANE
BASELINE	**12**	**10**
August-89		
May-90		
December-94		
August-96	12 ug/L	5 ug/L
March-97	4 ug/L	BDL
June-97	5 ug/L	3 ug/L
September-97	4 ug/L	2 ug/L
December-97	4 ug/L	2 ug/L
June-98	BDL	BDL
December-98	5 ug/L	BDL
June-99	2 ug/L	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	1 ug/L	BDL
June-01	1 ug/L	BDL
March-02	1 ug/L	BDL
March-03	0.4 ug/L	BDL
March-04	BDL	BDL
March-05	BDL	BDL

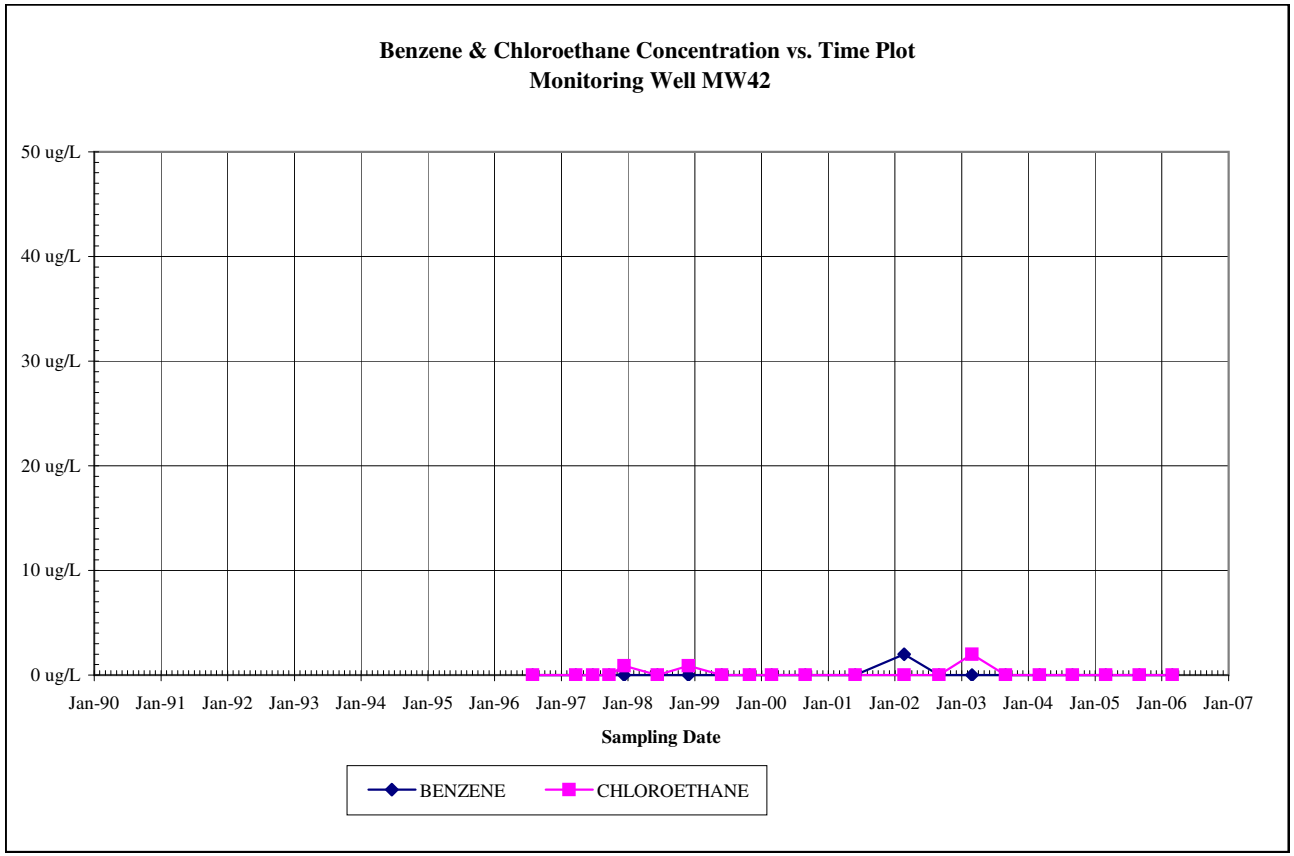
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW42

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	0.9 ug/L
June-98	BDL	BDL
December-98	BDL	0.9 ug/L
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
February-02	2 ug/L	BDL
September-02	BDL	BDL
March-03	BDL	2 ug/L
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

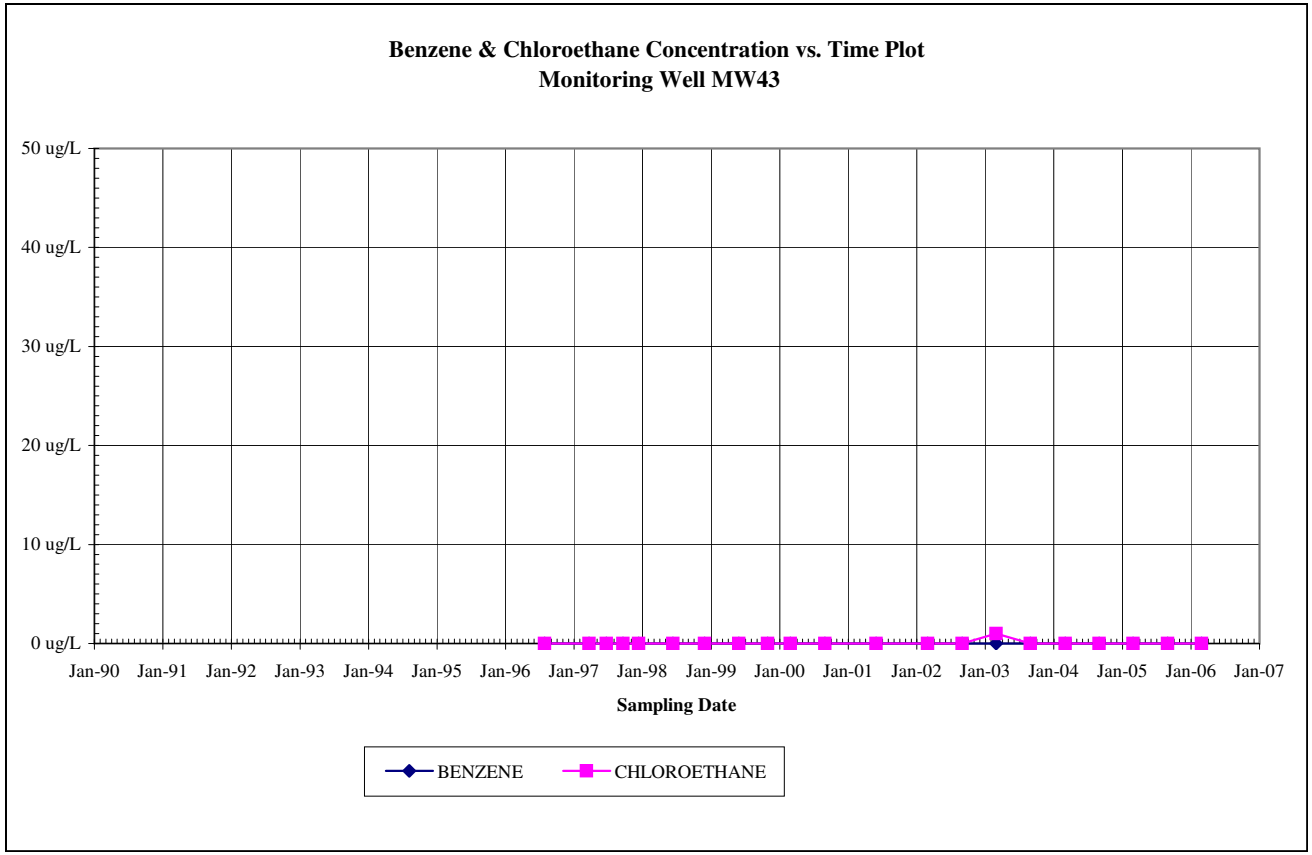
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW43

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	1 ug/L
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

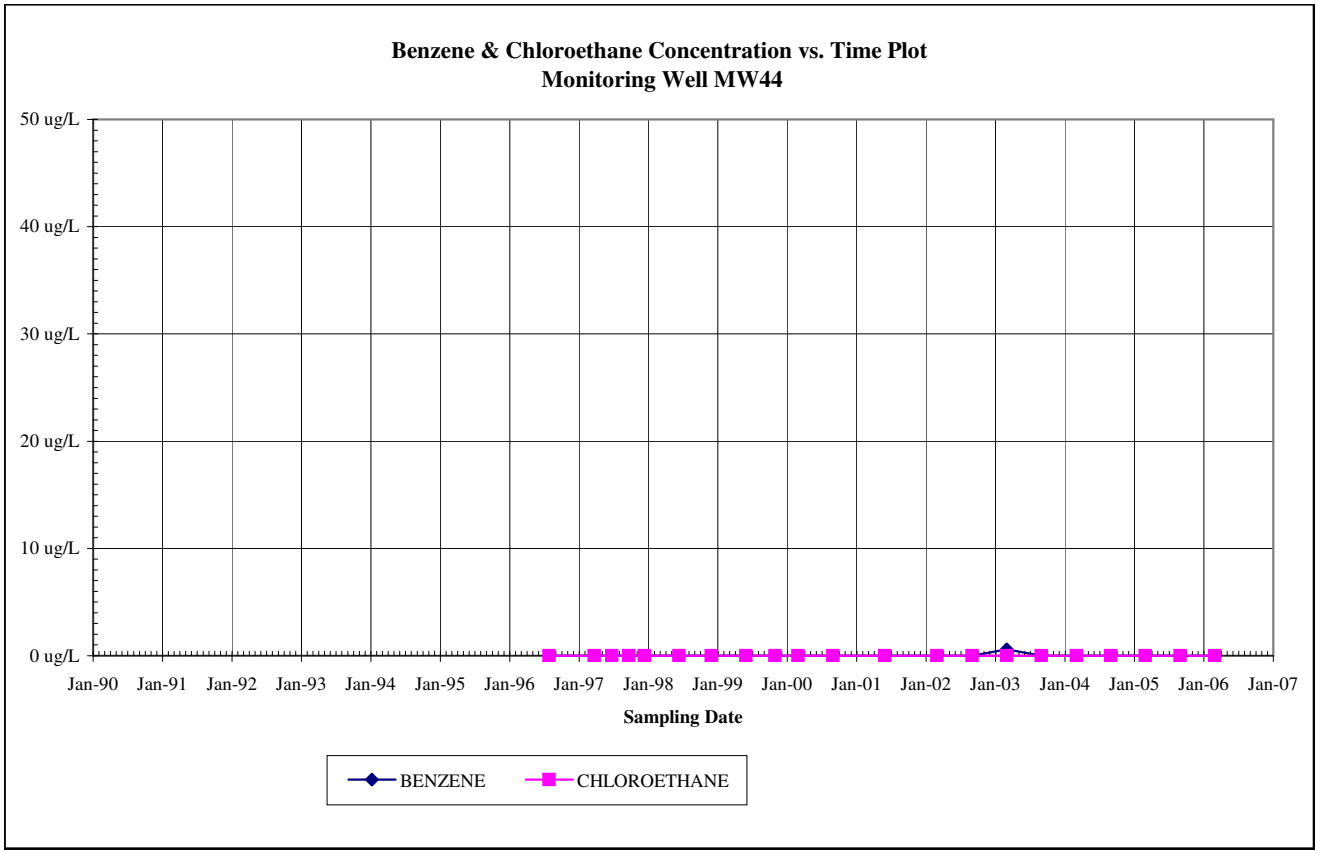
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW44

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	0.6 ug/L	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

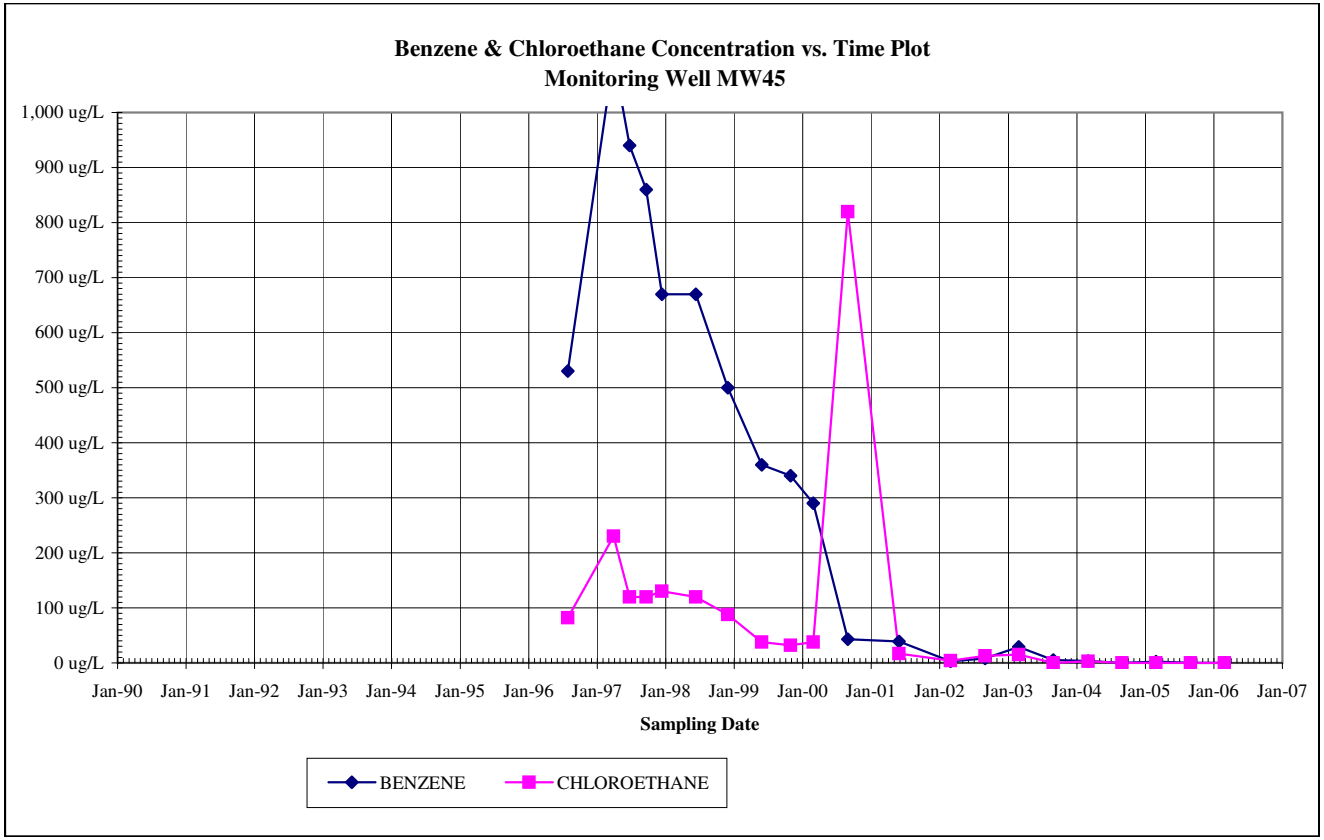
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW45

DATE	BENZENE	CHLOROETHANE
BASELINE	**1045**	**215**
August-89		
May-90		
December-94		
August-96	530 ug/L	82 ug/L
April-97	1,100 ug/L	230 ug/L
June-97	940 ug/L	120 ug/L
September-97	860 ug/L	120 ug/L
December-97	670 ug/L	130 ug/L
June-98	670 ug/L	120 ug/L
December-98	500 ug/L	88 ug/L
June-99	360 ug/L	38 ug/L
November-99	340 ug/L	32 ug/L
March-00	290 ug/L	38 ug/L
September-00	43 ug/L	820 ug/L
June-01	39 ug/L	17 ug/L
March-02	3 ug/L	4 ug/L
September-02	8 ug/L	13 ug/L
March-03	29 ug/L	15 ug/L
September-03	5 ug/L	BDL
March-04	3.7 ug/L	2.7 ug/L
September-04	BDL	BDL
March-05	2.4 ug/L	BDL
September-05	BDL	BDL
March-06	BDL	BDL

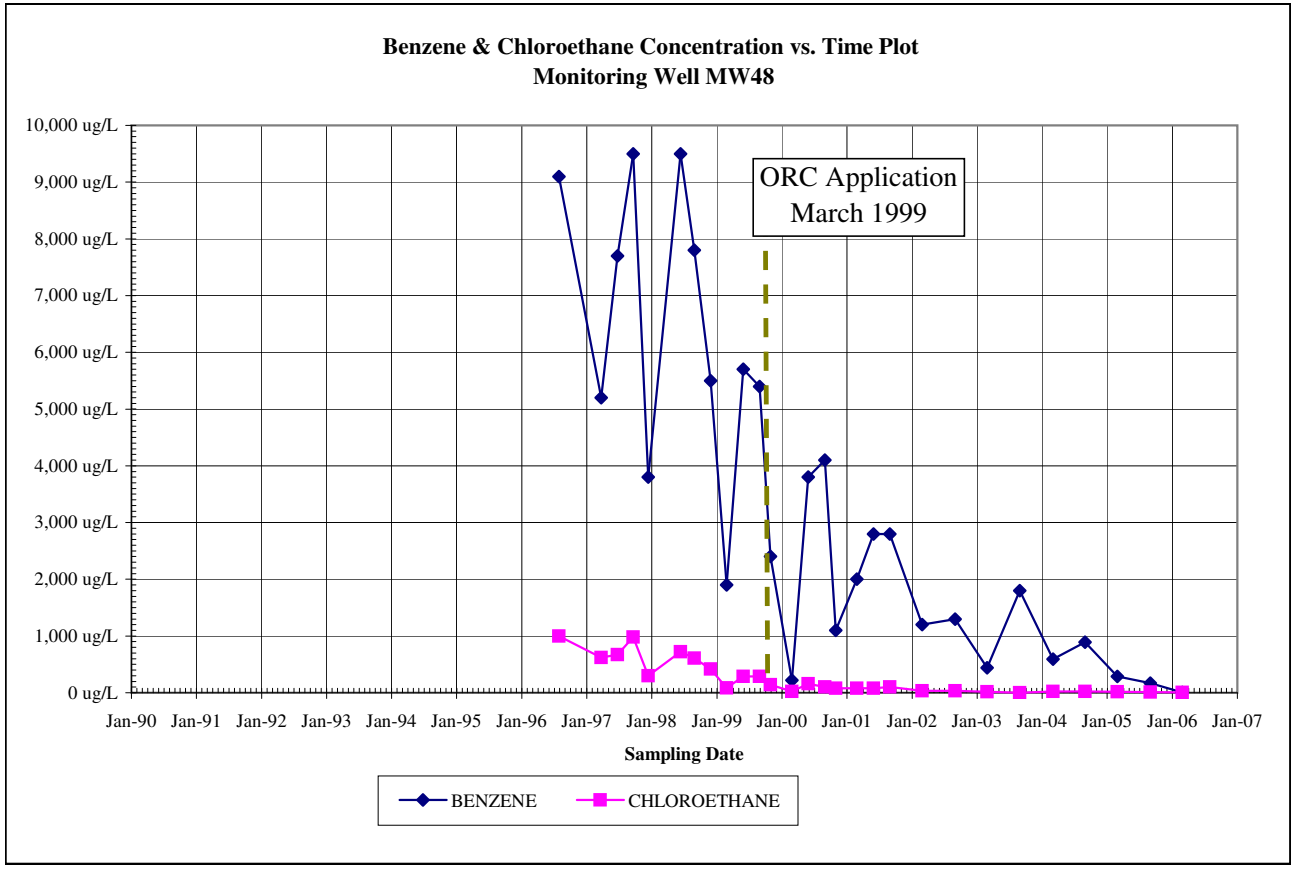
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW48

DATE	BENZENE	CHLOROETHANE
BASELINE	**9500**	**1000**
August-89		
May-90		
December-94		
August-96	9,100 ug/L	1,000 ug/L
March-97	5,200 ug/L	620 ug/L
June-97	7,700 ug/L	670 ug/L
September-97	9,500 ug/L	980 ug/L
December-97	3,800 ug/L	300 ug/L
June-98	9,500 ug/L	720 ug/L
September-98	7,800 ug/L	610 ug/L
December-98	5,500 ug/L	420 ug/L
March-99	1,900 ug/L	83 ug/L
June-99	5,700 ug/L	290 ug/L
September-99	5,400 ug/L	290 ug/L
November-99	2,400 ug/L	140 ug/L
March-00	220 ug/L	24 ug/L
June-00	3,800 ug/L	160 ug/L
September-00	4,100 ug/L	100 ug/L
November-00	1,100 ug/L	78 ug/L
March-01	2,000 ug/L	78 ug/L
June-01	2,800 ug/L	80 ug/L
September-01	2,800 ug/L	100 ug/L
March-02	1,200 ug/L	33 ug/L
September-02	1,300 ug/L	32 ug/L
March-03	440 ug/L	15 ug/L
September-03	1,800 ug/L	BDL
March-04	590 ug/L	22 ug/L
September-04	890 ug/L	20 ug/L
March-05	290 ug/L	19 ug/L
September-05	170 ug/L	11 ug/L
March-06	7.3 ug/L	4.6 ug/L

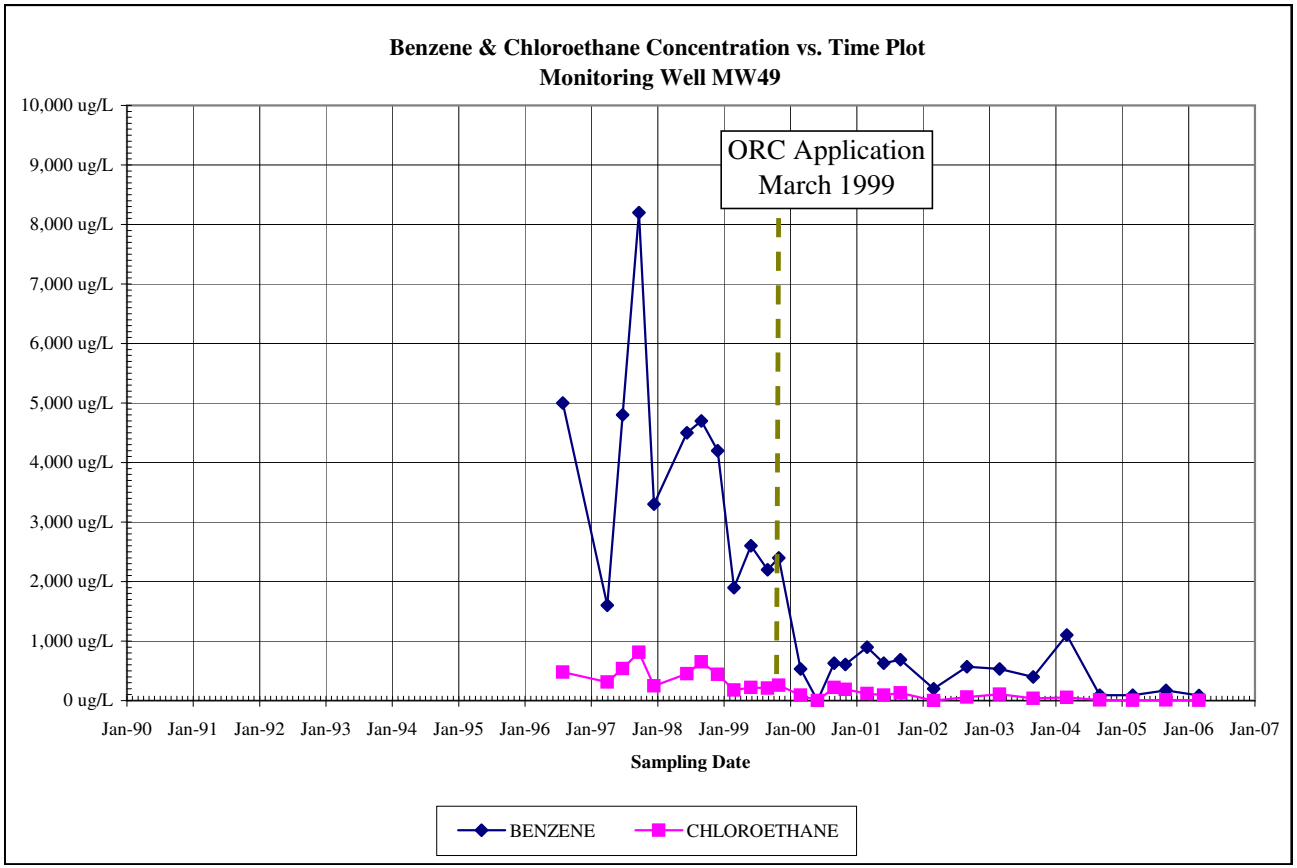
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW49

DATE	BENZENE	CHLOROETHANE
BASELINE	**6750**	**715**
August-89		
May-90		
December-94		
August-96	5,000 ug/L	480 ug/L
April-97	1,600 ug/L	310 ug/L
June-97	4,800 ug/L	540 ug/L
September-97	8,200 ug/L	810 ug/L
December-97	3,300 ug/L	250 ug/L
June-98	4,500 ug/L	450 ug/L
September-98	4,700 ug/L	650 ug/L
December-98	4,200 ug/L	440 ug/L
March-99	1,900 ug/L	180 ug/L
June-99	2,600 ug/L	220 ug/L
September-99	2,200 ug/L	210 ug/L
November-99	2,400 ug/L	260 ug/L
March-00	530 ug/L	91 ug/L
June-00	BDL	BDL
September-00	630 ug/L	220 ug/L
November-00	610 ug/L	190 ug/L
March-01	900 ug/L	120 ug/L
June-01	630 ug/L	91 ug/L
September-01	690 ug/L	130 ug/L
March-02	200 ug/L	BDL
September-02	570 ug/L	60 ug/L
March-03	530 ug/L	110 ug/L
September-03	400 ug/L	38 ug/L
March-04	1,100 ug/L	52 ug/L
September-04	90 ug/L	11 ug/L
March-05	89 ug/L	5.9 ug/L
September-05	170 ug/L	9.3 ug/L
March-06	86 ug/L	3.3 ug/L

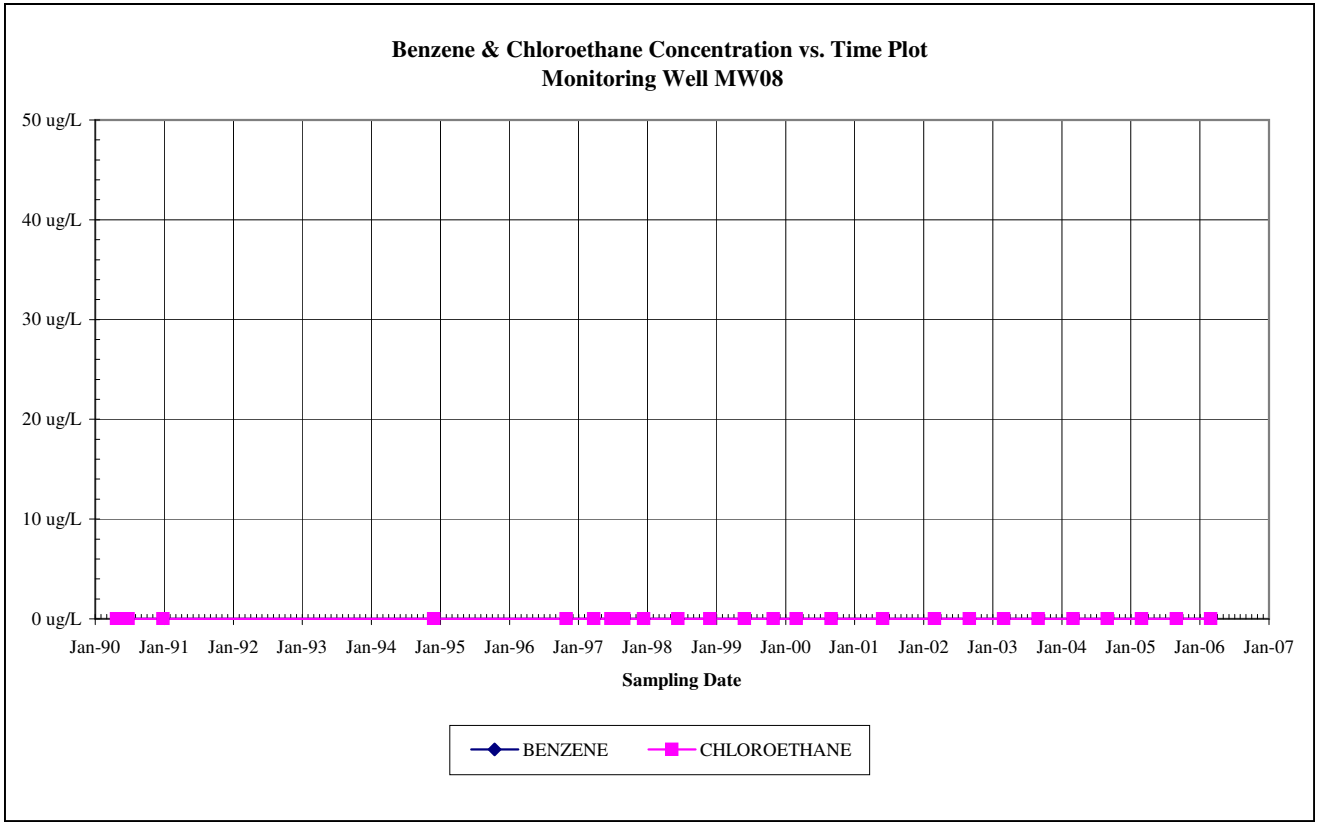
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW08

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
May-90	BDL	BDL
July-90	BDL	BDL
January-91	BDL	BDL
December-94	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

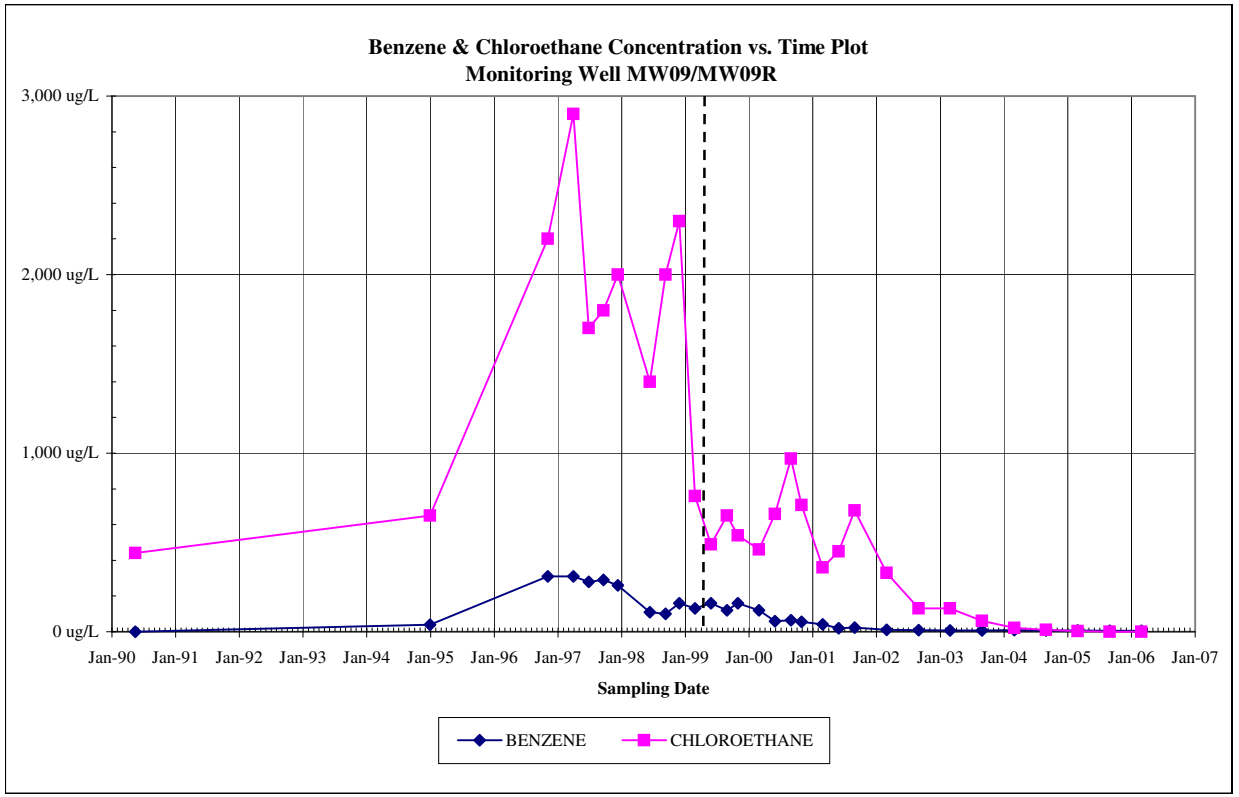
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW09/MW09R

DATE	BENZENE	CHLOROETHANE	
BASELINE	**310**	**2900**	
August-89			
May-90	BDL	440 ug/L	
January-95	40 ug/L	650 ug/L	
November-96	310 ug/L	2,200 ug/L	
April-97	310 ug/L	2,900 ug/L	
June-97	280 ug/L	1,700 ug/L	
September-97	290 ug/L	1,800 ug/L	
December-97	260 ug/L	2,000 ug/L	MW09
June-98	110 ug/L	1,400 ug/L	MW09R
September-98	100 ug/L	2,000 ug/L	
December-98	160 ug/L	2,300 ug/L	
March-99	130 ug/L	760 ug/L	
June-99	160 ug/L	490 ug/L	
September-99	120 ug/L	650 ug/L	
November-99	160 ug/L	540 ug/L	
March-00	120 ug/L	460 ug/L	
June-00	60 ug/L	660 ug/L	
September-00	65 ug/L	970 ug/L	
November-00	55 ug/L	710 ug/L	
March-01	41 ug/L	360 ug/L	
June-01	19 ug/L	450 ug/L	
September-01	23 ug/L	680 ug/L	
March-02	11 ug/L	330 ug/L	
September-02	9 ug/L	130 ug/L	
March-03	8 ug/L	130 ug/L	
September-03	6.6 ug/L	61 ug/L	
March-04	8.3 ug/L	22 ug/L	
September-04	6.5 ug/L	11 ug/L	
March-05	6.8 ug/L	3.8 ug/L	
September-05	6.2 ug/L	BDL	
March-06	5.5 ug/L	BDL	

BDL = Below the Detection Limit

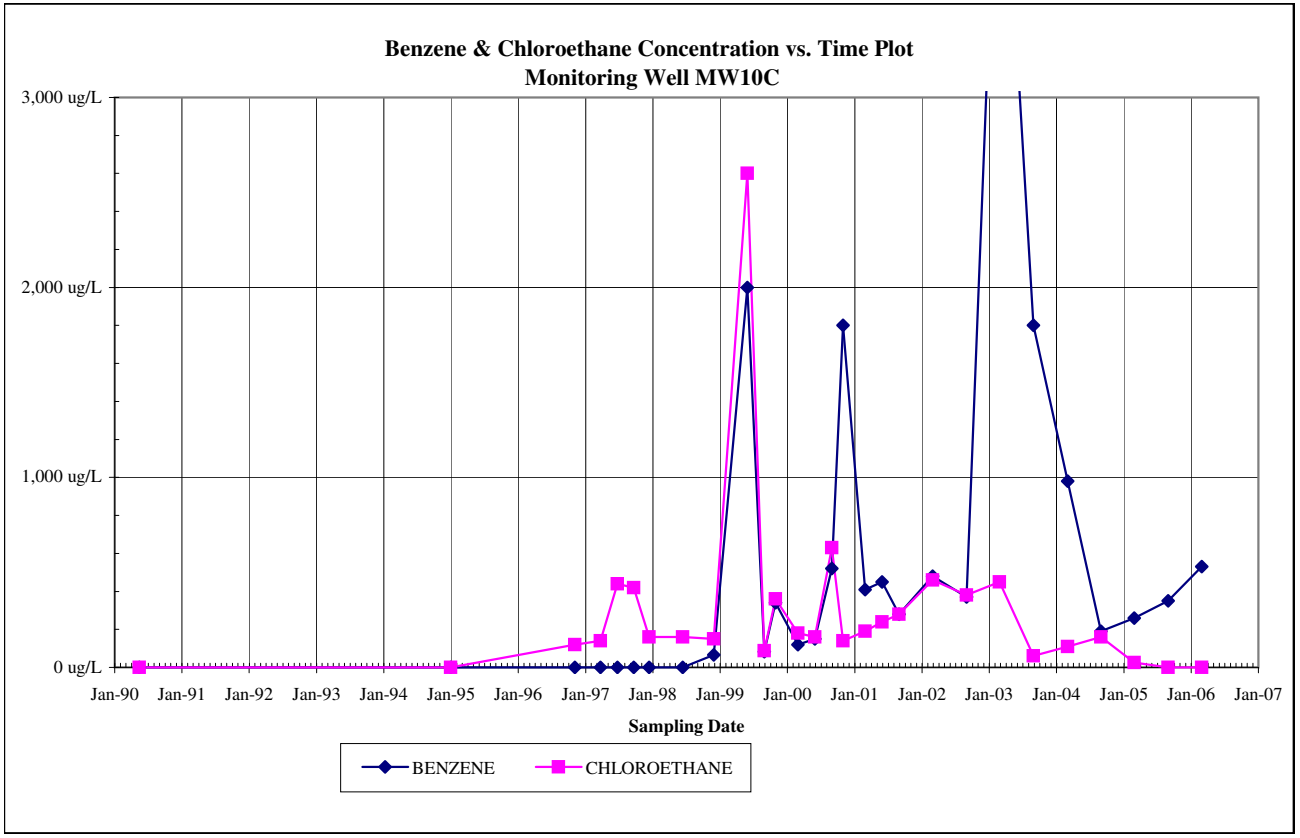


Line indicates change to replacement well

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW10C

DATE	BENZENE	CHLOROETHANE
BASELINE	**150**	**420**
August-89		
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	120 ug/L
March-97	BDL	140 ug/L
June-97	BDL	440 ug/L
September-97	BDL	420 ug/L
December-97	BDL	160 ug/L
June-98	BDL	160 ug/L
December-98	66 ug/L	150 ug/L
June-99	2,000 ug/L	2,600 ug/L
September-99	83 ug/L	88 ug/L
November-99	340 ug/L	360 ug/L
March-00	120 ug/L	180 ug/L
June-00	150 ug/L	160 ug/L
September-00	520 ug/L	630 ug/L
November-00	1,800 ug/L	140 ug/L
March-01	410 ug/L	190 ug/L
June-01	450 ug/L	240 ug/L
September-01	280 ug/L	280 ug/L
March-02	480 ug/L	460 ug/L
September-02	370 ug/L	380 ug/L
March-03	4,800 ug/L	450 ug/L
September-03	1,800 ug/L	60 ug/L
March-04	980 ug/L	110 ug/L
September-04	190 ug/L	160 ug/L
March-05	260 ug/L	25 ug/L
September-05	350 ug/L	BDL
March-06	530 ug/L	BDL

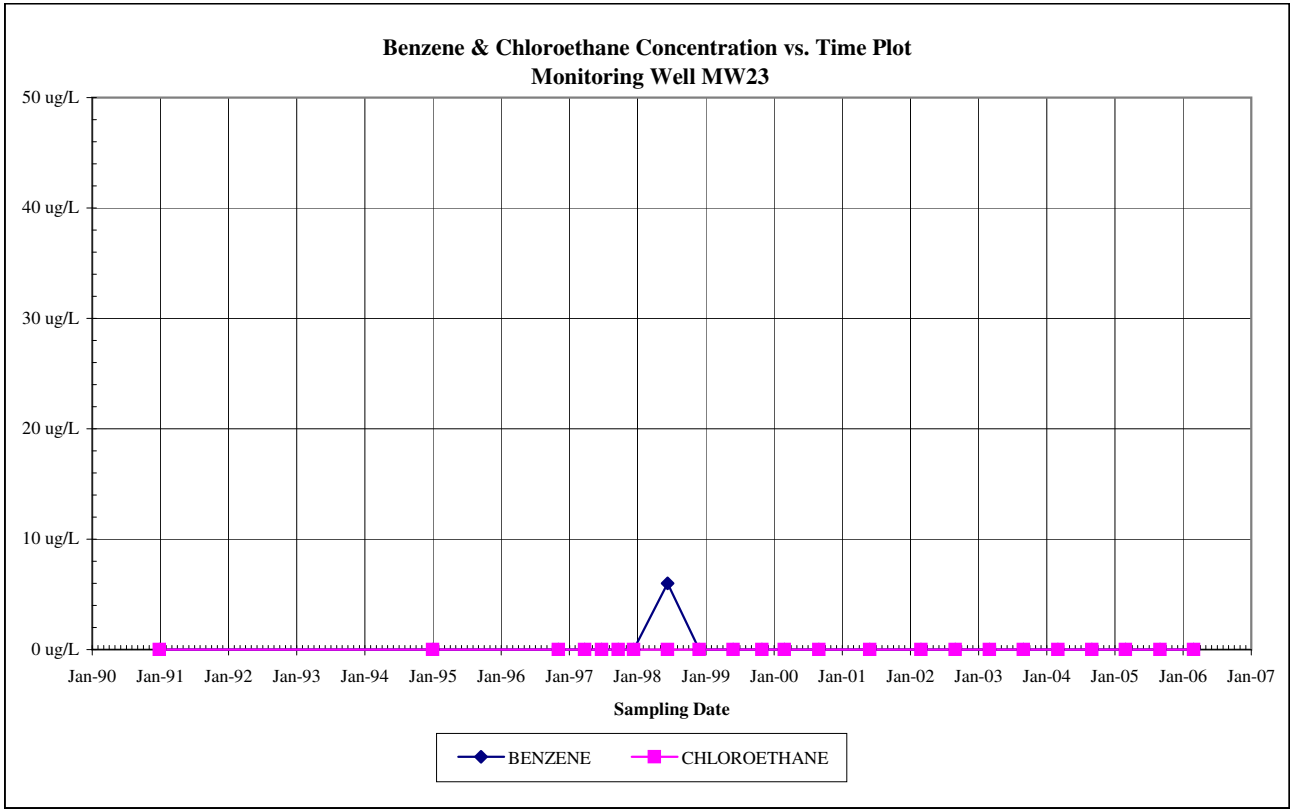
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW23

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
January-91	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	6 ug/L	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

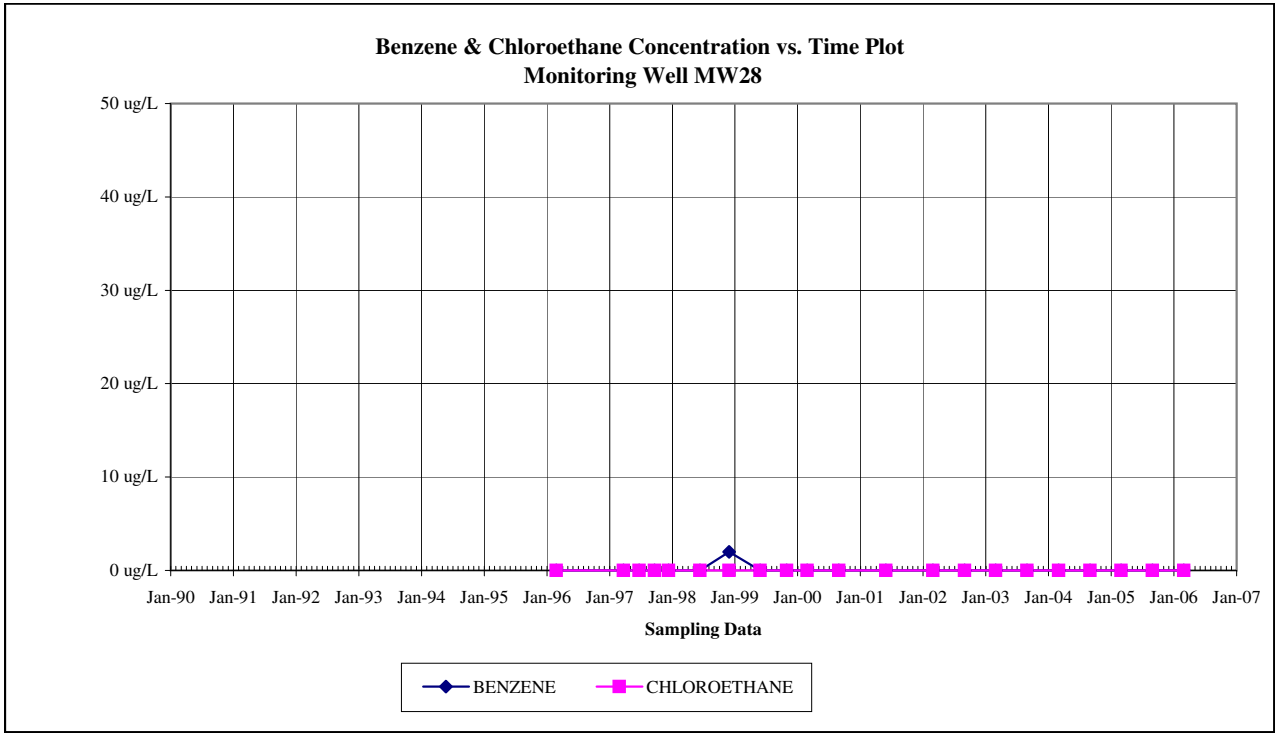
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW28

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	2 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

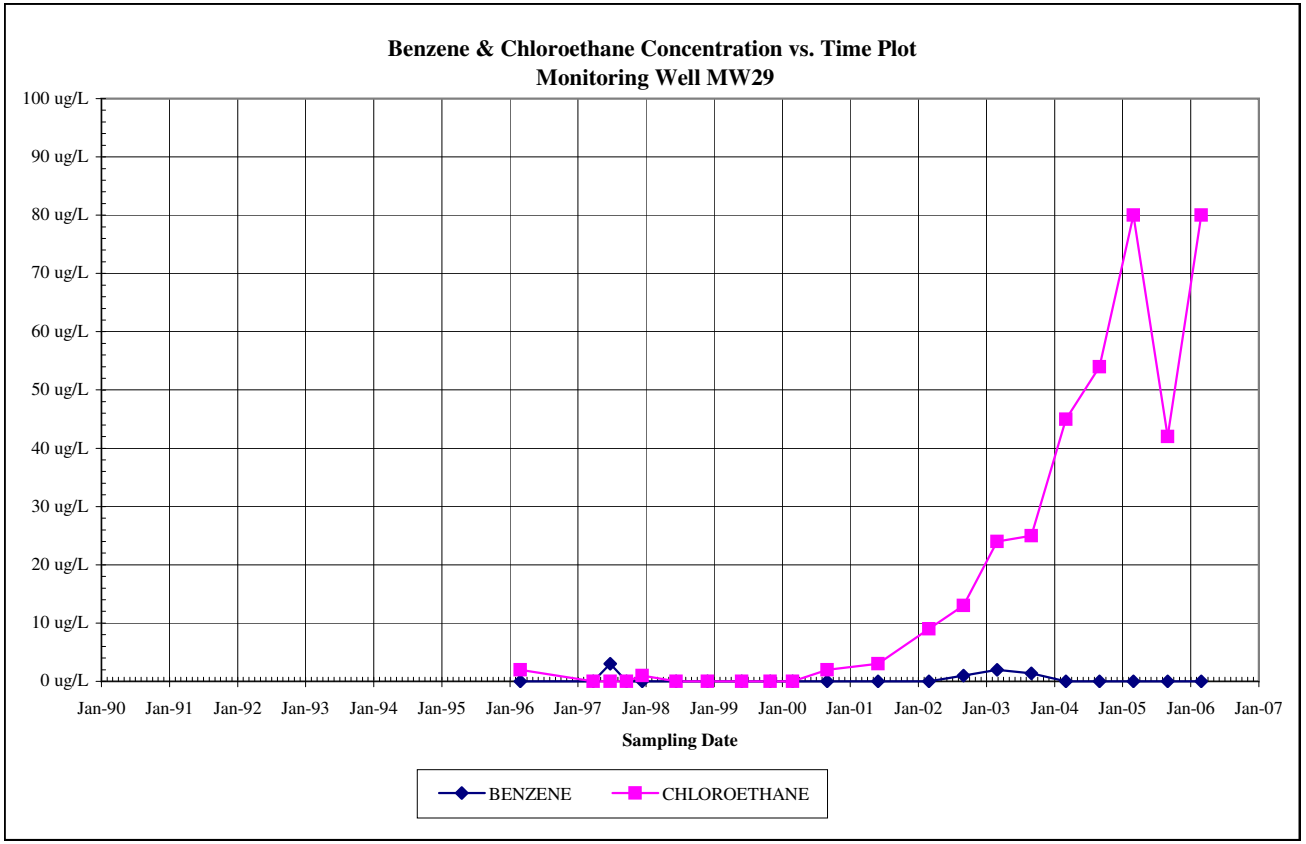
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW29

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	2 ug/L
March-97	BDL	BDL
June-97	3 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	1 ug/L
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	2 ug/L
June-01	BDL	3 ug/L
March-02	BDL	9 ug/L
September-02	1 ug/L	13 ug/L
March-03	2 ug/L	24 ug/L
September-03	1.4 ug/L	25 ug/L
March-04	BDL	45 ug/L
September-04	BDL	54 ug/L
March-05	BDL	80 ug/L
September-05	BDL	42 ug/L
March-06	BDL	80 ug/L

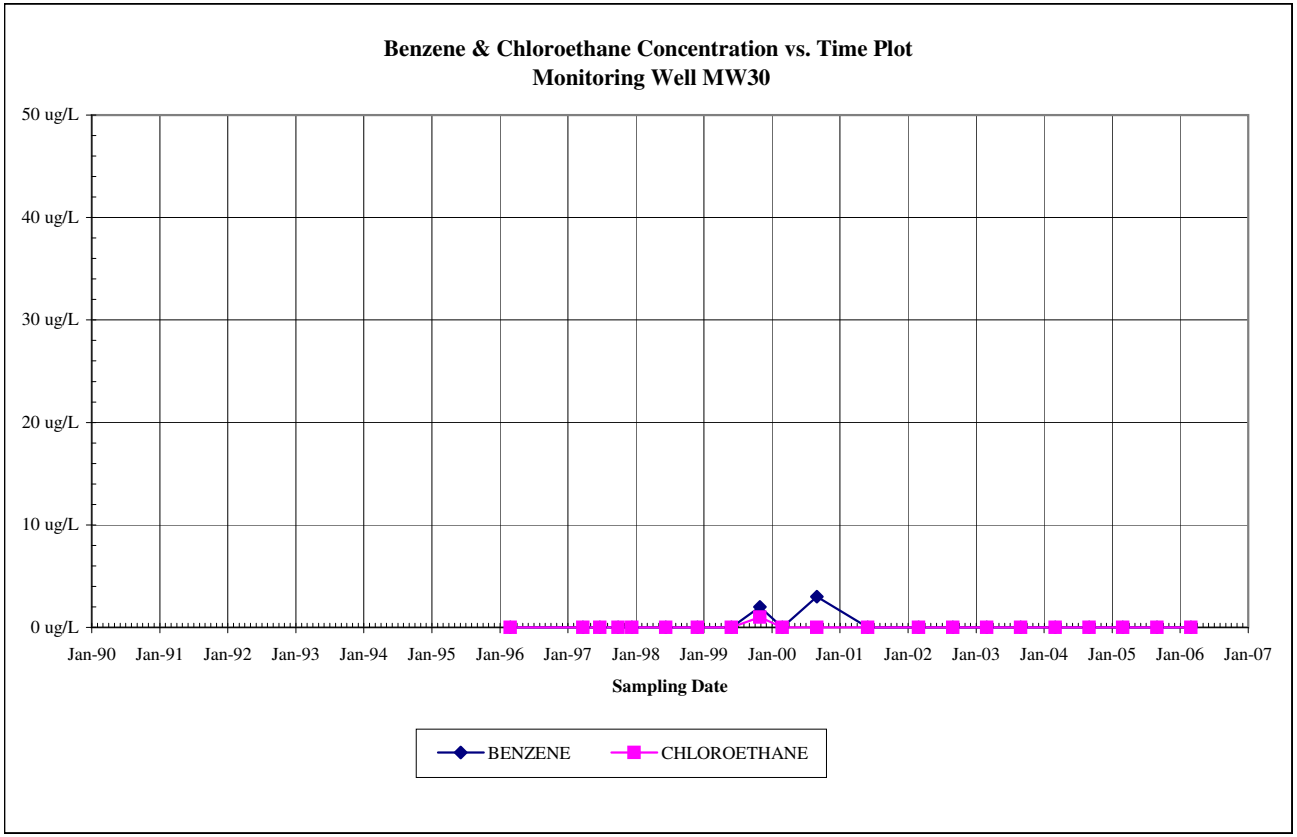
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW30

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	2 ug/L	1 ug/L
March-00	BDL	BDL
September-00	3 ug/L	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

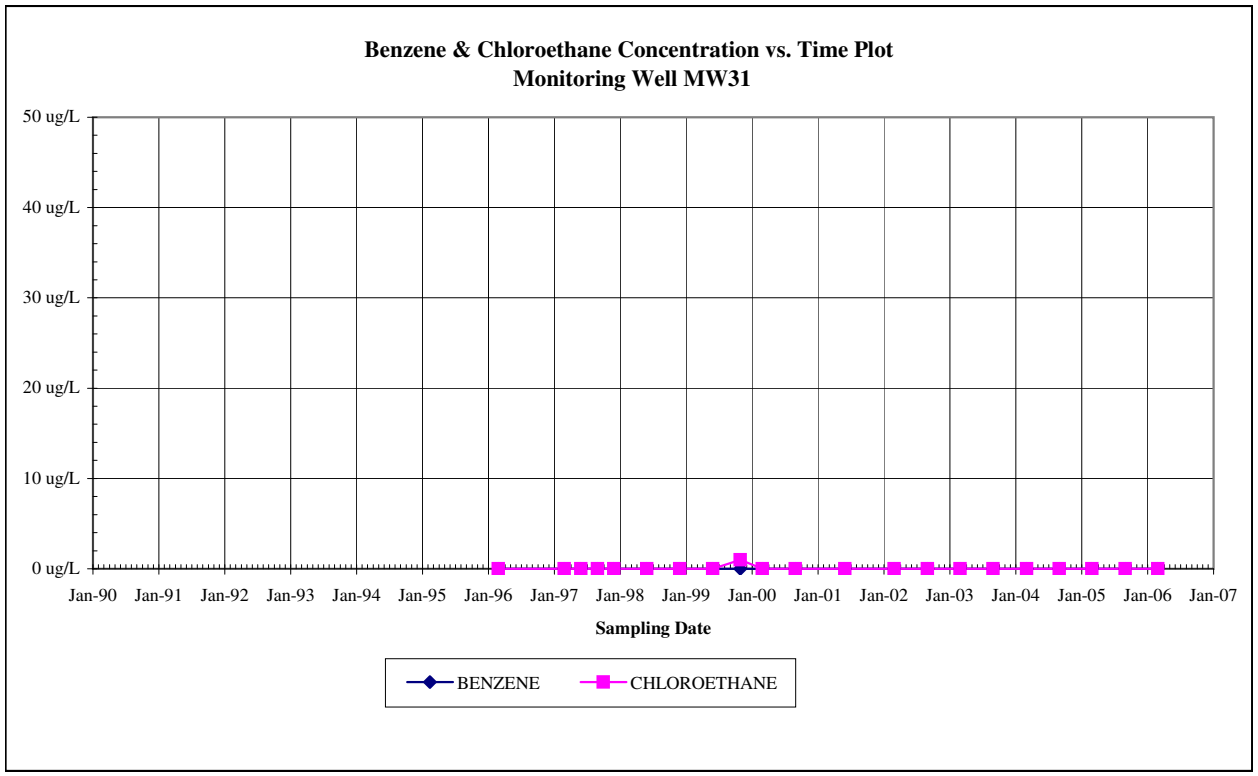
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW31

DATE	BENZENE	CHLOROETHANE
BASELINE	10	10
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	1 ug/L
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

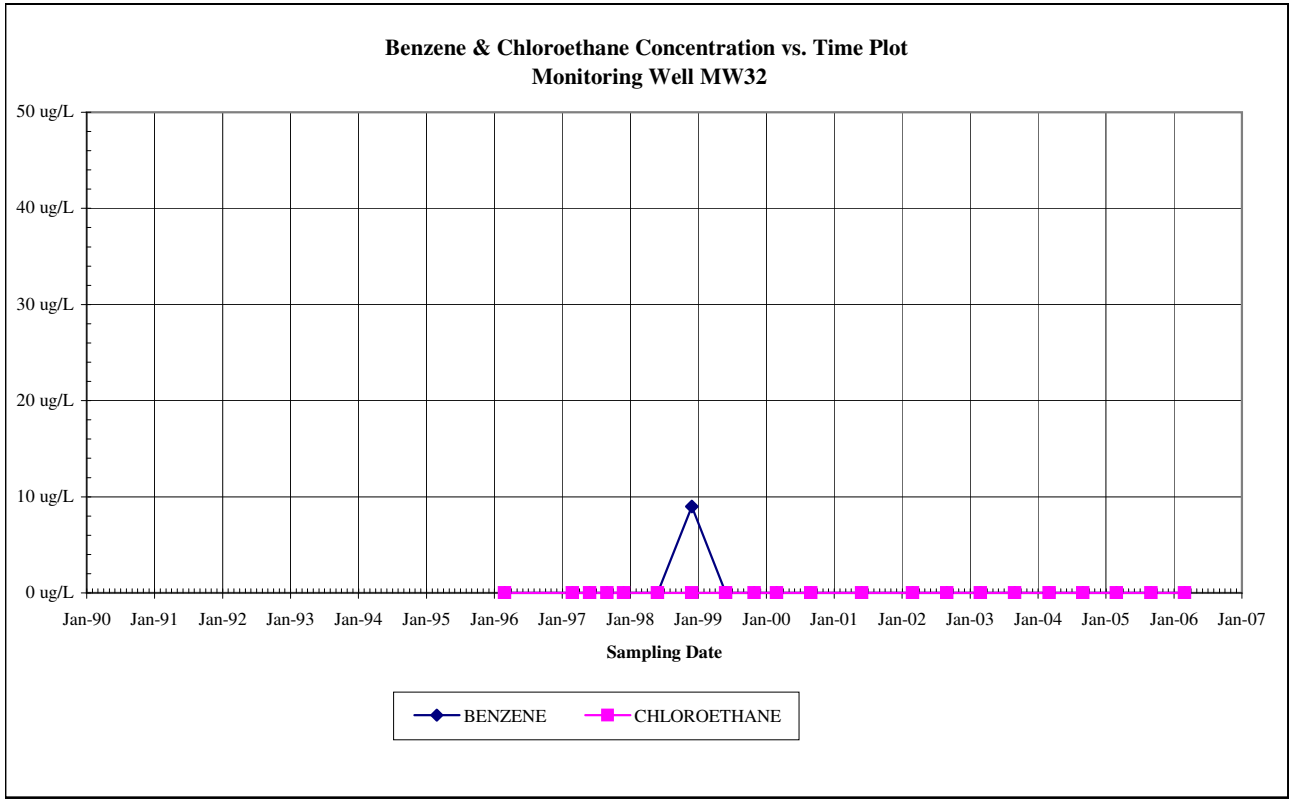
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW32

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	9 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

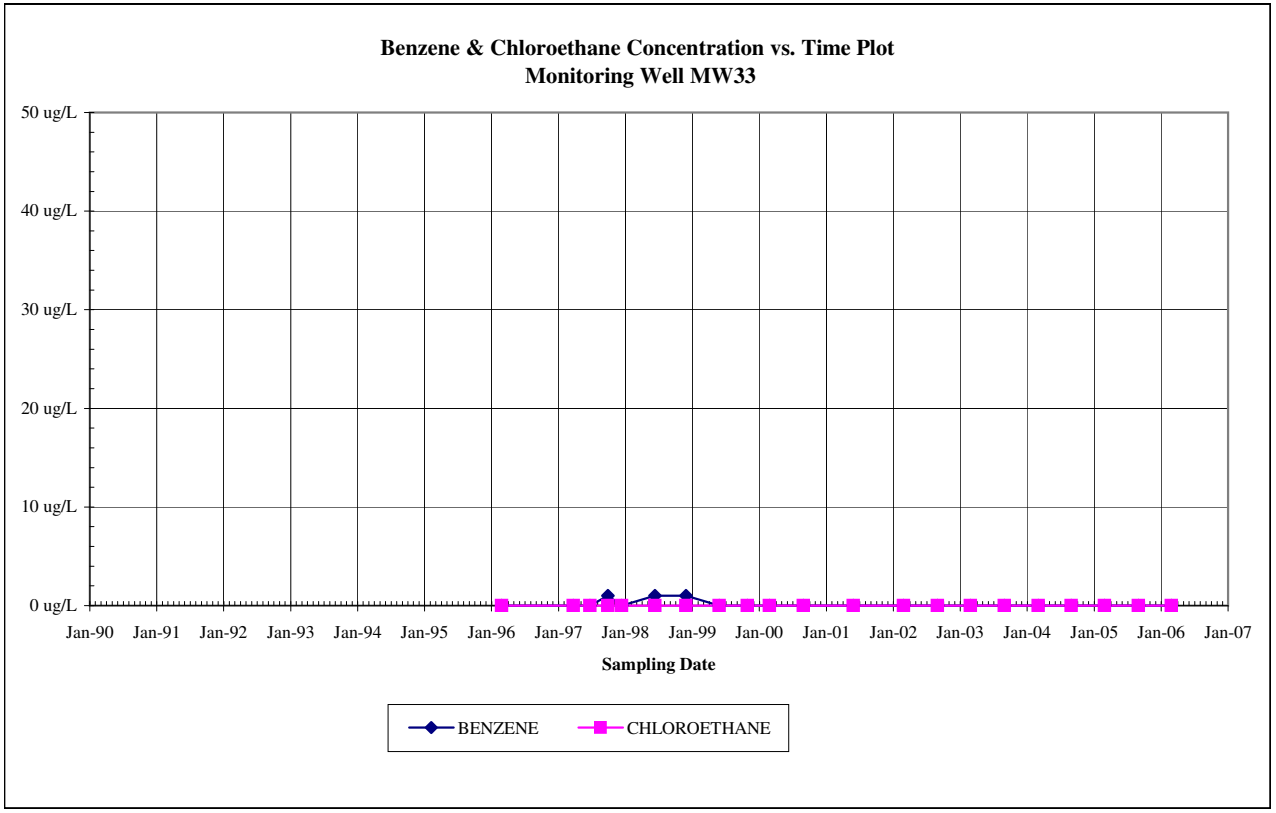
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW33

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	1 ug/L	BDL
December-97	BDL	BDL
June-98	1 ug/L	BDL
December-98	1 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

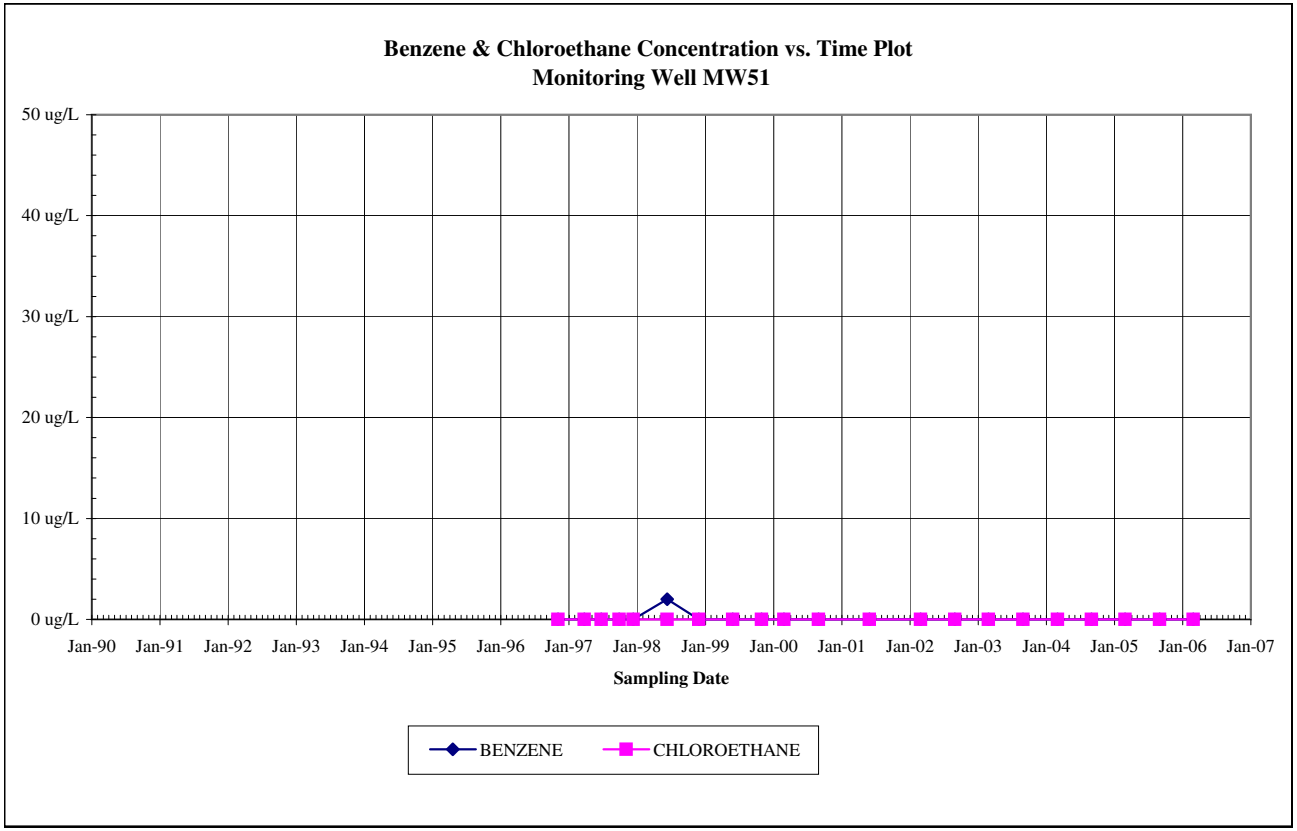
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW51

DATE	BENZENE	CHLOROETHANE
BASELINE	**100**	**100**
August-89		
May-90		
January-95		
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

BDL = Below the Detection Limit

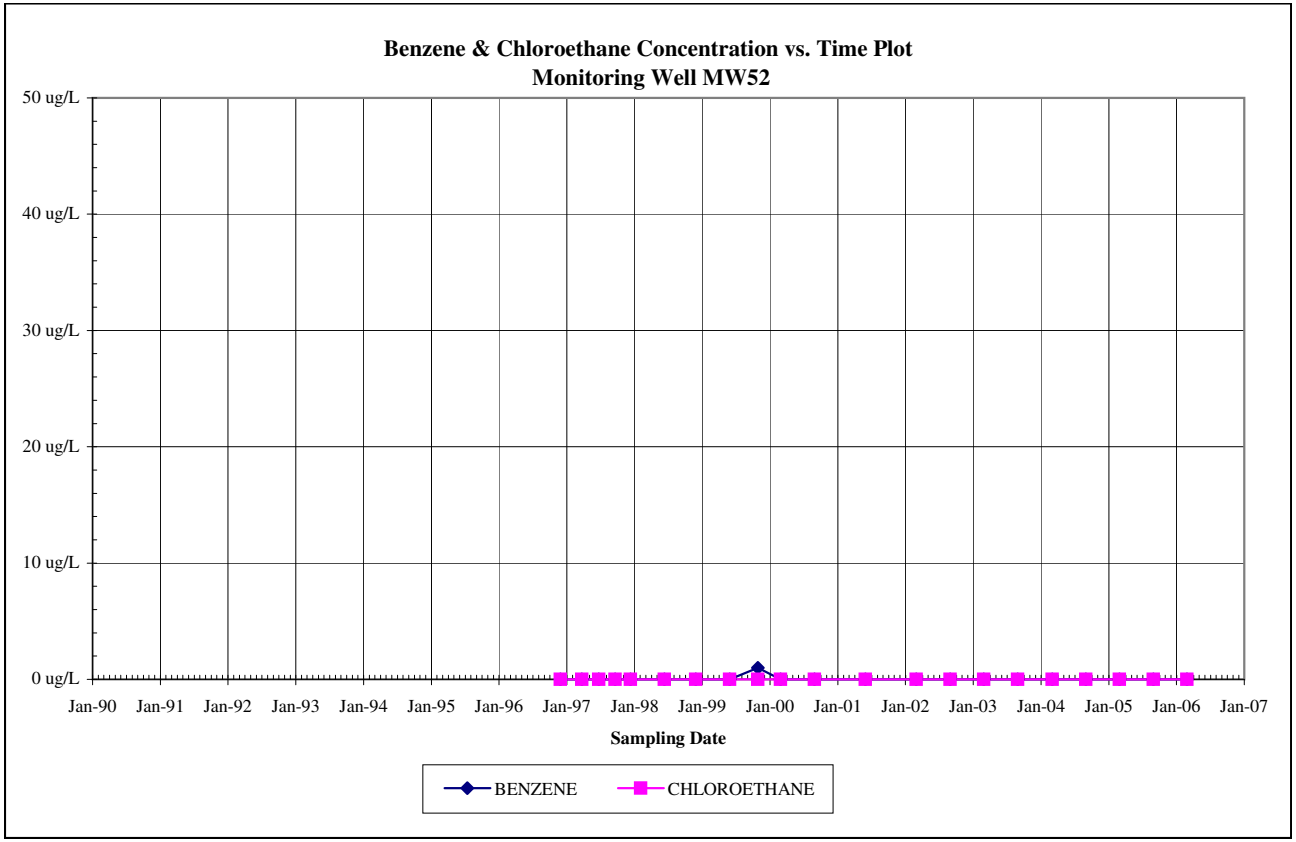


DPP/TPC
J:209\0603
ACS\Database\Timetrnd_GWMP_LA_Electronic.xls[MW51]

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW52

DATE	BENZENE	CHLOROETHANE
BASELINE	**100**	**100**
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	1 ug/L	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

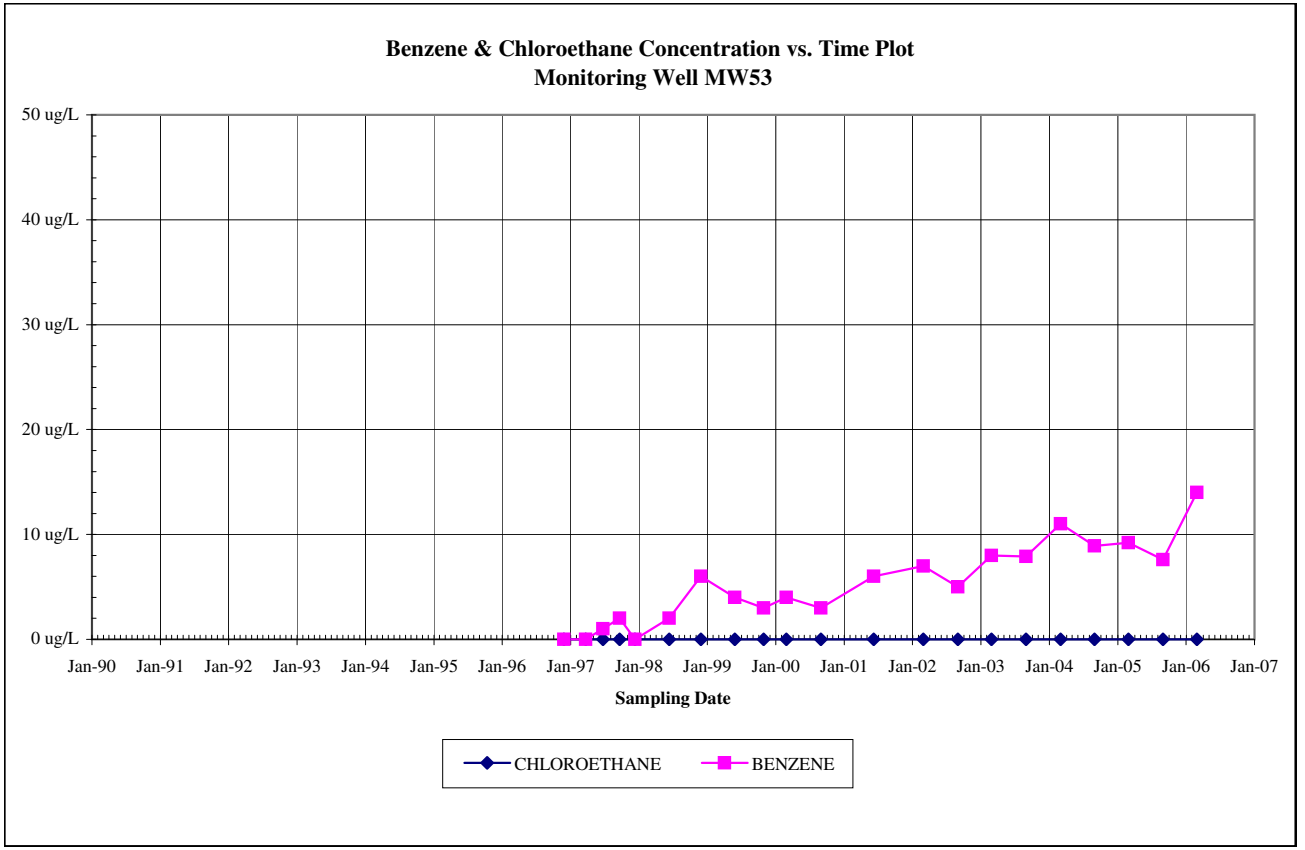
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW53

DATE	BENZENE	CHLOROETHANE
BASELINE	10	10
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	2 ug/L	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	6 ug/L	BDL
June-99	4 ug/L	BDL
November-99	3 ug/L	BDL
March-00	4 ug/L	BDL
September-00	3 ug/L	BDL
June-01	6 ug/L	BDL
March-02	7 ug/L	BDL
September-02	5 ug/L	BDL
March-03	8 ug/L	BDL
September-03	7.9 ug/L	BDL
March-04	11 ug/L	BDL
September-04	8.9 ug/L	BDL
March-05	9.2 ug/L	BDL
September-05	7.6 ug/L	BDL
March-06	14 ug/L	BDL

BDL = Below the Detection Limit

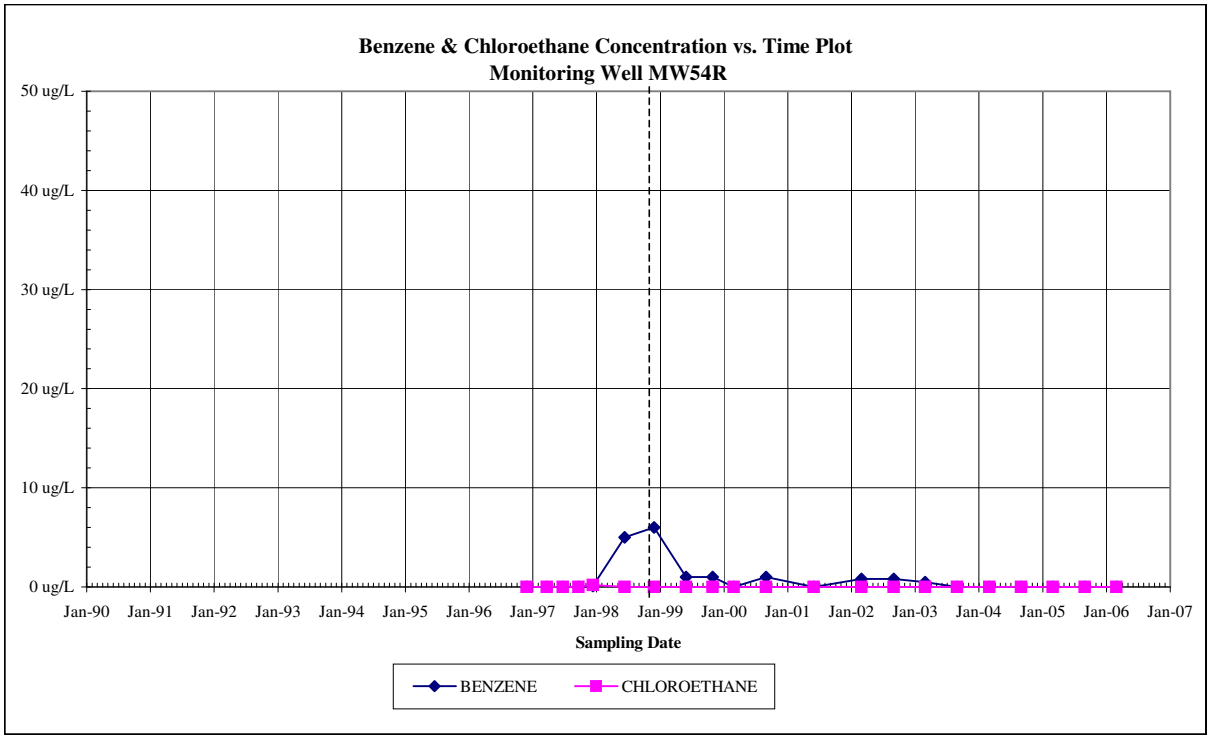


Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW54R

DATE	BENZENE	CHLOROETHANE	
BASELINE	**10**	**10**	
August-89			
May-90			
January-95			
December-96	BDL	BDL	
March-97	BDL	BDL	
June-97	BDL	BDL	
September-97	BDL	BDL	
December-97	0.1 ug/L	0.2 ug/L	
June-98	5 ug/L	BDL	<- MW54R
December-98	6 ug/L	BDL	
June-99	1 ug/L	BDL	
November-99	1 ug/L	BDL	
March-00	BDL	BDL	
September-00	1 ug/L	BDL	
June-01	BDL	BDL	
March-02	1 ug/L	BDL	
September-02	1 ug/L	BDL	
March-03	0.5 ug/L	BDL	
September-03	BDL	BDL	
March-04	BDL	BDL	
September-04	BDL	BDL	
March-05	BDL	BDL	
September-05	BDL	BDL	
March-06	BDL	BDL	

BDL = Below the Detection Limit

MW54 was damaged by a vehicle and was replaced with MW54R

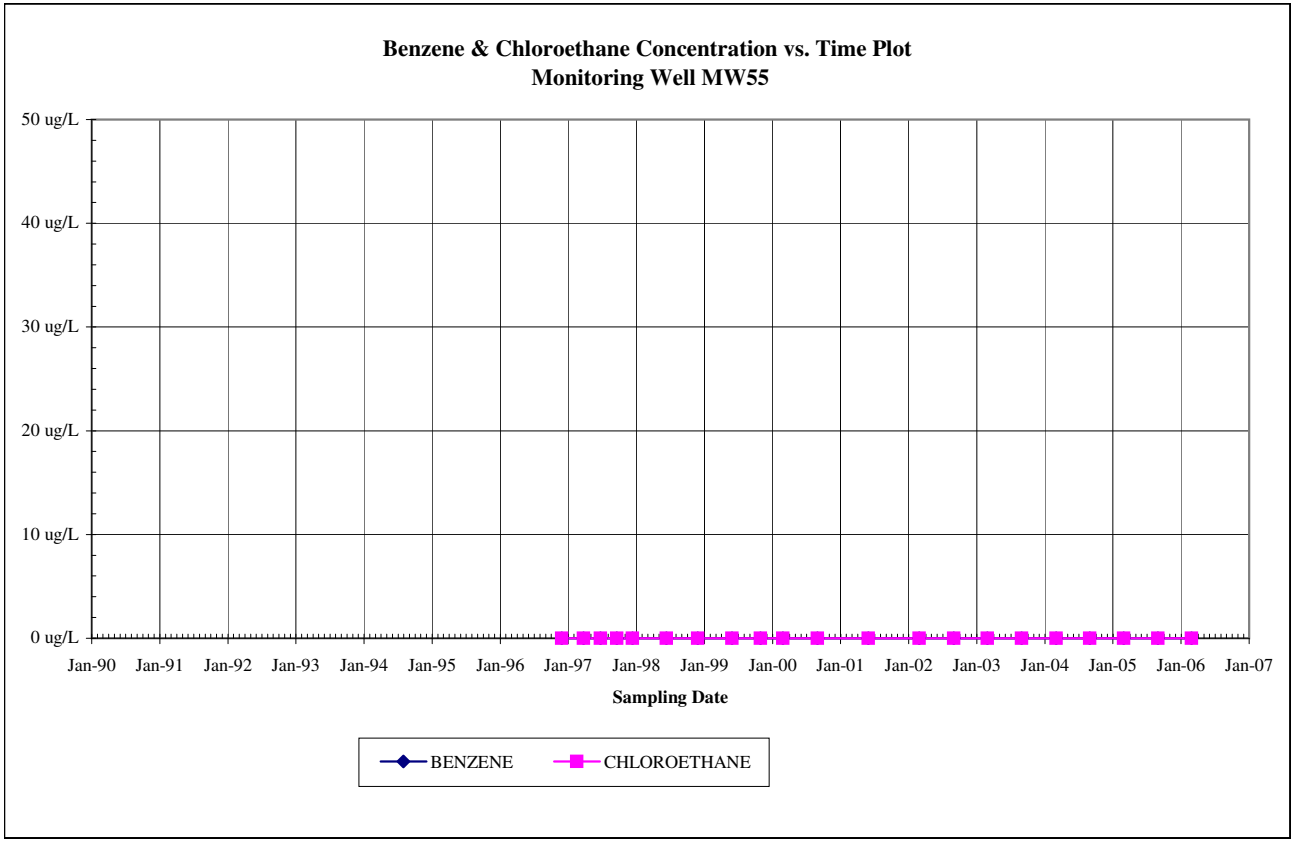


---------- Line indicates change to replacement well

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW55

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL

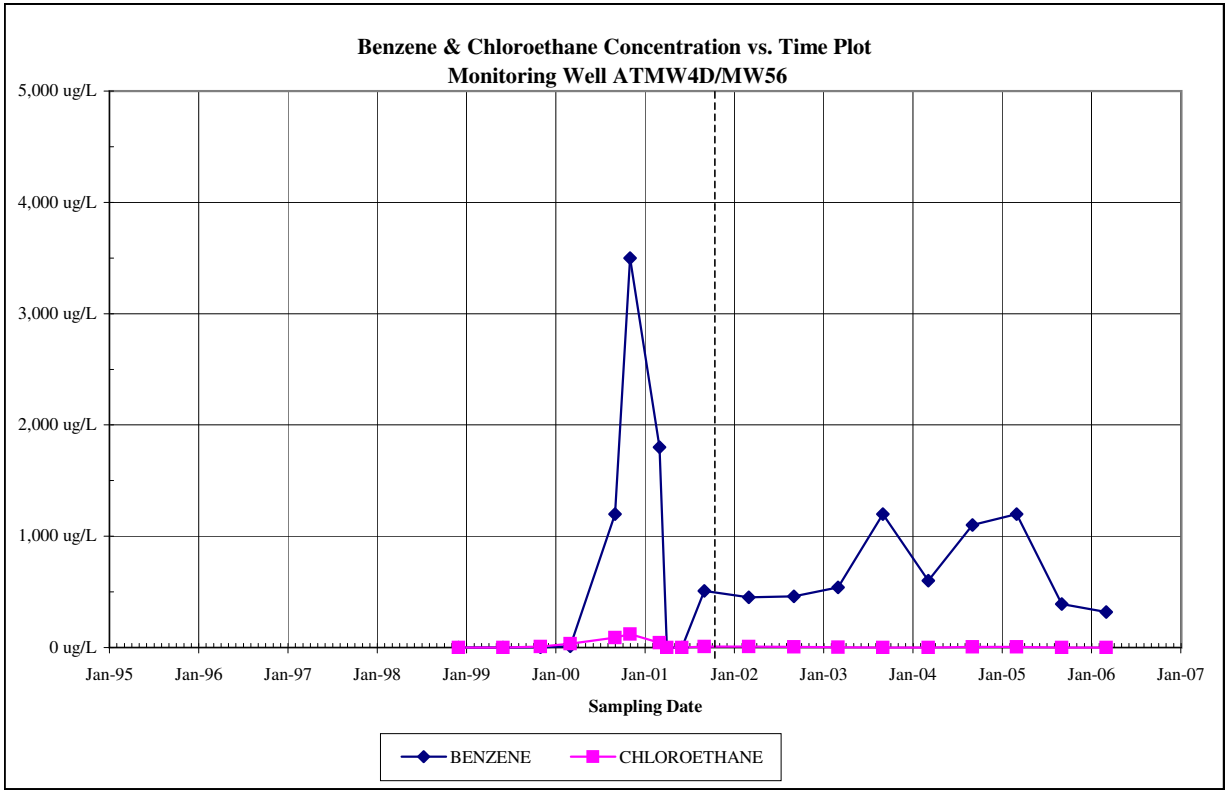
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well ATMW4D-MW56

DATE	BENZENE	CHLOROETHANE	
BASELINE	-	-	
December-98	BDL	BDL	
June-99	BDL	BDL	
November-99	3 ug/L	9 ug/L	
March-00	12 ug/L	34 ug/L	
September-00	1,200 ug/L	88 ug/L	
November-00	3,500 ug/L	120 ug/L	
March-01	1,800 ug/L	42 ug/L	ATMW4D
April-01	BDL	BDL	MW56
June-01	BDL	BDL	
September-01	510 ug/L	10 ug/L	
March-02	450 ug/L	8 ug/L	
September-02	460 ug/L	6 ug/L	
March-03	540 ug/L	4 ug/L	
September-03	1,200 ug/L	BDL	
March-04	600 ug/L	BDL	
September-04	1,100 ug/L	7 ug/L	
March-05	1,200 ug/L	6.4 ug/L	
September-05	390 ug/L	BDL	
March-06	320 ug/L	BDL	

BDL = Below the Detection Limit



---------- Line indicates change to replacement well

Appendix C
Laboratory Analytical Reports and Data Validation Narratives

Monitoring Well Results
Sample Delivery Group (SDG) 9416
Data Validation Narrative - SDG 9416

SDG 9433
Data Validation Narrative – SDG 9433

SDG 9456
Data Validation Narrative – SDG 9456

Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Review

CompuChem
a division of Liberty Analytical Corp.

07-Apr-06

AMY CLORE
MONTGOMERY WATSON HARZA
175 WEST JACKSON BOULEVARD
SUITE 1900
Chicago, IL 606042814

Subject:
Report of Data-Project: ACS/NPL SITE Workorder: 9416

Attn.: AMY CLORE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES_____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
941601	ACSGWTB01-27	9416	W	MWH	ACS/NPL SITE	
941602	ACSGWDUP01-27	9416	W	MWH	ACS/NPL SITE	
941603	ACSGWMW42-27	9416	W	MWH	ACS/NPL SITE	
941604	ACSGWMW43-27	9416	W	MWH	ACS/NPL SITE	
941605	ACSGWMW44-27	9416	W	MWH	ACS/NPL SITE	
941606	ACSGWMW45-27	9416	W	MWH	ACS/NPL SITE	
941607	ACSGWTB02-27	9416	W	MWH	ACS/NPL SITE	
941608	ACSGWMW19-27	9416	W	MWH	ACS/NPL SITE	
941609	ACSGWMW06-27	9416	W	MWH	ACS/NPL SITE	
941610	ACSGWMW17-27	9416	W	MWH	ACS/NPL SITE	
941611	ACSGWMW12-27	9416	W	MWH	ACS/NPL SITE	
941612	ACSGWEB01-27	9416	W	MWH	ACS/NPL SITE	
941613	ACSGWMW28-27	9416	W	MWH	ACS/NPL SITE	
941614	ACSGWDUP02-27	9416	W	MWH	ACS/NPL SITE	
941615	ACSGWMW15-27	9416	W	MWH	ACS/NPL SITE	
941616	ACSGWMW56-27	9416	W	MWH	ACS/NPL SITE	
941617	ACSGWTB03-27	9416	W	MWH	ACS/NPL SITE	
941618	ACSGWLA15-27	9416	W	MWH	ACS/NPL SITE	
941619	ACSGWDUP03-27	9416	W	MWH	ACS/NPL SITE	
941620	ACSGWLA14-27	9416	W	MWH	ACS/NPL SITE	

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)
Tentatively identified compounds (Form I, TIC)
In order by sample.

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, Medium, or High)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)
Tentatively identified compounds (Form I, TIC)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 9416

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 9416
CONTRACT # SW-846 8260B

SAMPLE IDENTIFICATIONS: ACSGWDUP01-27, ACSGWDUP02-27, ACSGWDUP03-27, ACSGWEB01-27, ACSGWLA14-27, ACSGWLA15-27, ACSGWMW06-27, ACSGWMW12-27, ACSGWMW15-27, ACSGWMW17-27, ACSGWMW19-27, ACSGWMW28-27, ACSGWMW42-27, ACSGWMW43-27, ACSGWMW44-27, ACSGWMW45-27, ACSGWMW56-27, ACSGWTB01-27, ACSGWTB02-27, ACSGWTB03-27

The twenty (20) aqueous samples listed above were received intact, properly refrigerated at a temperature of 1.8 to 4.7°C, with proper documentation, on March 22, 23, and 24, 2006. The samples were scheduled for the requested volatile analysis by method 8260B 5ml purge for the requested compounds.

Analysis holding time requirements were met for the samples. The pH value of these samples is tabulated on the attached batch sheet.

None of the samples contained compounds above the Contract Required Quantitation Limit (CRQL) except samples ACSGWMW45-27, ACSGWMW06-27, ACSGWMW19-27, and ACSGWMW56-27. Samples ACSGWMW06-27 and ACSGWMW56-27 contained a compound above the initial calibration range. They were reanalyzed at the appropriate dilution. Both sets of data have been reported. Tentatively Identified Compound (TIC)s were found in all of the samples except samples ACSGWMW28-27, ACSGWMW45-27, ACSGWTB01-27, ACSGWTB02-27, and ACSGWTB03-27.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for the initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria.

A laboratory control sample control samples was analyzed with each batch for this SDG. They passed all QC criteria. Sample ACSGWMW17-27 was used to prepare the matrix spikes for this SDG. They passed all precision and accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
April 5, 2006

GC and GC/MS Column and Trap Specifications Table

SDG #:	9416

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
	Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating)
		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 18

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

B. Form I and Form I - TIC

Organic Analysis Data Sheet (OADS) and Tentatively Identified Compounds (TICs)

- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	6.3	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	12	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.5	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.93	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.55	14	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	20	NJ
4.		UNKNOWN	8.98	7.1	J
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	89	NJ
6.	123-91-1	1,4-DIOXANE	10.66	23	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	11	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.5	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	15	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	23	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	83	NJ
5.	123-91-1	1,4-DIOXANE	10.66	23	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.86	10	NJ
2.		UNKNOWN	7.54	14	J
3.	646-06-0	1,3-DIOXOLANE	8.99	7.4	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.19	65	NJ
5.	123-91-1	1,4-DIOXANE	10.67	24	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	120	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	1.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	550	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	503-17-3	2-BUTYNE	6.19	7.9	NJ
2.	60-29-7	ETHYL ETHER	6.42	42	NJ
3.		UNKNOWN	8.25	7.1	J
4.	1066-40-6	SILANOL, TRIMETHYL-	8.68	19	NJ
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	100	D
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
75-15-0	Carbon disulfide	20	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	20	U
67-64-1	Acetone	50	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl-tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-butanone	50	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	590	D
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
591-78-6	2-hexanone	50	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropyl Benzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
1330-20-7	Xylene (total)	20	U
79-20-9	Methyl acetate	20	U
110-82-7	Cyclohexane	20	U
108-87-2	Methylcyclohexane	20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.41	47	NJD
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	3.2	J
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	15.51	15	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	1.1	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	9.4	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.62	7.5	NJ
3.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	16.04	9.3	NJ
4.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	16.10	15	NJ
5.		SUBSTITUTED BENZENE	16.94	6.5	J
6.	53172-84-2	BENZENE, (1-METHYL-1-BUTENYL	17.14	5.9	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97521

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97521A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	54	
74-87-3	Chloromethane	49	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	50	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	52	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl-tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	52	
78-93-3	2-butanone	110	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	53	
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	53	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97521

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97521A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	54	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	53	
98-82-8	Isopropyl Benzene	63	
79-34-5	1,1,2,2-Tetrachloroethane	52	
541-73-1	1,3-Dichlorobenzene	60	
106-46-7	1,4-Dichlorobenzene	60	
95-50-1	1,2-Dichlorobenzene	60	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	65	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	50	
110-82-7	Cyclohexane	60	
108-87-2	Methylcyclohexane	69	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97522

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97522A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	47	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	50	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-tert-butyl ether	54	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	53	
78-93-3	2-butanone	120	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	55	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97522

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97522A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	63	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	61	
95-50-1	1,2-Dichlorobenzene	61	
96-12-8	1,2-Dibromo-3-Chloropropane	56	
120-82-1	1,2,4-Trichlorobenzene	65	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	51	
110-82-7	Cyclohexane	59	
108-87-2	Methylcyclohexane	68	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	8.9	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	6.1	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.69	27	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	7.0	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	8.4	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	1.1	J
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	320	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	13	U
67-64-1	Acetone	31	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl-tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-butanone	31	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	320	D
107-06-2	1,2-Dichloroethane	13	U
79-01-6	Trichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	31	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-hexanone	31	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropyl Benzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-Chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
1330-20-7	Xylene (total)	13	U
79-20-9	Methyl acetate	13	U
110-82-7	Cyclohexane	13	U
108-87-2	Methylcyclohexane	13	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLGLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97518

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97518B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	57	
75-01-4	Vinyl Chloride	52	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	51	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	49	
78-93-3	2-butanone	130	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon Tetrachloride	55	
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	51	
127-18-4	Tetrachloroethene	59	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	52	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLGLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97518

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97518B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	59	
100-42-5	Styrene	55	
75-25-2	Bromoform	52	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	54	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	57	
95-50-1	1,2-Dichlorobenzene	57	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	180	
79-20-9	Methyl acetate	55	
110-82-7	Cyclohexane	70	
108-87-2	Methylcyclohexane	76	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl-tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	57	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	58	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	57	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	56	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	59	
95-50-1	1,2-Dichlorobenzene	58	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	62	
110-82-7	Cyclohexane	72	
108-87-2	Methylcyclohexane	75	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97821

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97821RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	55	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	59	
75-15-0	Carbon disulfide	57	
76-13-1	1,1,2-trichloro-1,2,2-triflu	68	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	56	
156-60-5	trans-1,2-Dichloroethene	57	
1634-04-4	Methyl-tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	56	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	120	
67-66-3	Chloroform	57	
71-55-6	1,1,1-Trichloroethane	58	
56-23-5	Carbon Tetrachloride	61	
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	57	
78-87-5	1,2-Dichloropropane	55	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	56	
127-18-4	Tetrachloroethene	68	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	59	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97821

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97821RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	67	
100-42-5	Styrene	62	
75-25-2	Bromoform	56	
98-82-8	Isopropyl Benzene	67	
79-34-5	1,1,2,2-Tetrachloroethane	54	
541-73-1	1,3-Dichlorobenzene	65	
106-46-7	1,4-Dichlorobenzene	64	
95-50-1	1,2-Dichlorobenzene	63	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	72	
1330-20-7	Xylene (total)	200	
79-20-9	Methyl acetate	53	
110-82-7	Cyclohexane	73	
108-87-2	Methylcyclohexane	86	

C. Form II

Surrogate spike analysis

- By level (low, medium, high) -

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKLG	88	88	89	85	0
02	VLGLCS	89	90	91	90	0
03	ACSGWTB01-27	89	92	90	89	0
04	ACSGWDUP01-2	90	91	90	86	0
05	ACSGWMW42-27	90	96	91	90	0
06	ACSGWMW43-27	90	99	90	88	0
07	ACSGWMW44-27	90	99	92	92	0
08	ACSGWMW45-27	88	107	91	90	0
09	ACSGWTB02-27	89	101	93	92	0
10	ACSGWMW19-27	88	99	94	91	0
11	ACSGWMW06-27	88	97	92	93	0
12	ACSGWMW17-27	88	101	93	95	0
13	ACSGWMW12-27	87	99	93	91	0
14	ACSGWEB01-27	88	100	93	94	0
15	ACSGWMW28-27	85	101	92	94	0
16	ACSGWDUP02-2	87	103	93	95	0
17	ACSGWMW15-27	87	101	94	92	0
18	ACSGWMW56-27	88	102	94	95	0
19	ACSGWTB03-27	88	102	94	95	0
20	ACSGWLA15-27	88	103	93	93	0
21	ACSGWDUP03-2	88	104	94	93	0
22	VBLKMP	90	94	89	90	0
23	VMPLCS	87	95	90	90	0
24	ACSGWMW06-27	89	96	91	91	0
25	ACSGWMW56-27	89	99	92	92	0
26	ACSGWLA14-27	88	99	92	92	0
27	VBLKND	86	83	87	85	0
28	ACSGWMW17-27	88	86	90	89	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	ACSGWMW17-27	88	82	89	88	0
02	VNDLCS	89	83	89	88	0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium, high) -
Laboratory Control Sample(s)

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix Spike - Sample No.: ACSGWMW17-27

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	49.16	98	72-129
Benzene	50	0.0	51.01	102	75-125
Trichloroethene	50	0.0	51.37	103	66-147
Toluene	50	0.0	53.33	107	78-126
Chlorobenzene	50	0.0	54.39	109	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	49.06	98	0	14	72-129
Benzene	50	51.92	104	2	14	75-125
Trichloroethene	50	52.32	105	2	14	66-147
Toluene	50	53.46	107	0	14	78-126
Chlorobenzene	50	55.02	110	1	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VLGLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	51.2	102	72-129
Benzene	50	50.71	101	75-125
Trichloroethene	50	49.01	98	66-147
Toluene	50	53.04	106	78-126
Chlorobenzene	50	53.15	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	49.26	99	72-129
Benzene	50	51.7	103	75-125
Trichloroethene	50	48.3	97	66-147
Toluene	50	52.91	106	78-126
Chlorobenzene	50	53.24	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNDLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	58.52	117	72-129
Benzene	50	56.82	114	75-125
Trichloroethene	50	56.53	113	66-147
Toluene	50	59.22	118	78-126
Chlorobenzene	50	57.9	116	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

E. Form IV

Method Blank Results
Form IV, Form I, and Form I - TIC

Method blank summary, OADS, and TICs
- In chronological order of analysis

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKLG

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97515B59 Lab Sample ID: 97515

Date Analyzed: 03/24/06 Time Analyzed: 2301

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VLGLCS	97518	97518B59	2338
02	ACSGWTB01-27	941601	941601B59	0016
03	ACSGWDUP01-2	941602	941602B59	0044
04	ACSGWMW42-27	941603	941603B59	0113
05	ACSGWMW43-27	941604	941604B59	0141
06	ACSGWMW44-27	941605	941605B59	0210
07	ACSGWMW45-27	941606	941606B59	0239
08	ACSGWTB02-27	941607	941607B59	0307
09	ACSGWMW19-27	941608	941608B59	0336
10	ACSGWMW06-27	941609	941609B59	0405
11	ACSGWMW17-27	941610	941610B59	0433
12	ACSGWMW12-27	941611	941611B59	0502
13	ACSGWEB01-27	941612	941612B59	0530
14	ACSGWMW28-27	941613	941613B59	0559
15	ACSGWDUP02-2	941614	941614B59	0628
16	ACSGWMW15-27	941615	941615B59	0656
17	ACSGWMW56-27	941616	941616B59	0725
18	ACSGWTB03-27	941617	941617B59	0753
19	ACSGWLA15-27	941618	941618B59	0822
20	ACSGWDUP03-2	941619	941619B59	0851
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97775B59 Lab Sample ID: 97775

Date Analyzed: 03/25/06 Time Analyzed: 2141

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMPLCS	97778	97778B59	2218
02	ACSGWMW06-27	941609	941609DB59	0023
03	ACSGWMW56-27	941616	941616DB59	0052
04	ACSGWLA14-27	941620	941620B59	0120
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKND

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97798A59 Lab Sample ID: 97798

Date Analyzed: 03/28/06 Time Analyzed: 1007

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWMW17-27	97521	97521A59	1117
02	ACSGWMW17-27	97522	97522A59	1145
03	VNDLCS	97821	97821RA59	1250
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060324B59 Date Analyzed: 03/24/06

Instrument ID: 5972HP59 Time Analyzed: 2227

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	482871	9.98	315996	12.96	148443	15.04
	UPPER LIMIT	965742	10.48	631992	13.46	296886	15.54
	LOWER LIMIT	241436	9.48	157998	12.46	74222	14.54
	CLIENT SAMPLE NO.						
01	VBLKLG	444395	9.98	291185	12.96	139661	15.05
02	VLGLCS	434811	9.98	286151	12.96	136624	15.05
03	ACSGWTB01-27	435546	9.98	284695	12.97	134968	15.04
04	ACSGWDUP01-2	423838	9.99	278098	12.96	134472	15.05
05	ACSGWMW42-27	416917	9.98	271347	12.96	130853	15.05
06	ACSGWMW43-27	428527	9.99	280648	12.96	135050	15.05
07	ACSGWMW44-27	412727	9.98	267855	12.96	126083	15.05
08	ACSGWMW45-27	412838	9.99	263506	12.96	123944	15.05
09	ACSGWTB02-27	410049	9.99	260010	12.96	124206	15.05
10	ACSGWMW19-27	417562	9.99	264794	12.97	124883	15.05
11	ACSGWMW06-27	407255	9.99	260557	12.96	121653	15.05
12	ACSGWMW17-27	408107	9.98	259543	12.97	123005	15.05
13	ACSGWMW12-27	411439	9.99	261237	12.96	121443	15.05
14	ACSGWEB01-27	408569	9.98	257124	12.96	120179	15.05
15	ACSGWMW28-27	407780	9.99	257292	12.96	118975	15.05
16	ACSGWDUP02-2	401814	9.98	254231	12.96	118146	15.05
17	ACSGWMW15-27	402576	9.99	252897	12.96	119171	15.05
18	ACSGWMW56-27	400685	9.98	251853	12.96	117269	15.04
19	ACSGWTB03-27	398133	9.98	252037	12.96	115980	15.05
20	ACSGWLA15-27	403477	9.98	253290	12.96	118492	15.05

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060324B59 Date Analyzed: 03/24/06

Instrument ID: 5972HP59 Time Analyzed: 2227

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	482871		9.98		315996		12.96		148443		15.04	
	UPPER LIMIT	965742		10.48		631992		13.46		296886		15.54	
	LOWER LIMIT	241436		9.48		157998		12.46		74222		14.54	
	CLIENT SAMPLE NO.												
01	ACSGWDUP03-2	402225		9.98		252733		12.96		118204		15.05	
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060325B59 Date Analyzed: 03/25/06

Instrument ID: 5972HP59 Time Analyzed: 2050

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	427148	9.98	283097	12.96	132758	15.05
	UPPER LIMIT	854296	10.48	566194	13.46	265516	15.55
	LOWER LIMIT	213574	9.48	141548	12.46	66379	14.55
	CLIENT SAMPLE NO.						
01	VBLKMP	422387	9.98	275739	12.96	132298	15.05
02	VMPLCS	412616	9.97	272737	12.95	129364	15.04
03	ACSGWMW06-27	407735	9.97	263483	12.95	123663	15.04
04	ACSGWMW56-27	405488	9.98	260140	12.96	121459	15.05
05	ACSGWLA14-27	412253	9.98	262339	12.96	123021	15.05
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GS060328A59 Date Analyzed: 03/28/06

Instrument ID: 5972HP59 Time Analyzed: 0925

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	517282	9.95	344908	12.94	167202	15.02
	UPPER LIMIT	1034564	10.45	689816	13.44	334404	15.52
	LOWER LIMIT	258641	9.45	172454	12.44	83601	14.52
	CLIENT SAMPLE NO.						
01	VBLKND	488195	9.95	335243	12.94	165659	15.02
02	ACSGWMW17-27	490293	9.96	324284	12.94	156628	15.02
03	ACSGWMW17-27	494561	9.96	327506	12.94	159614	15.03
04	VNDLCS	501169	9.97	328554	12.94	159133	15.03
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE : LIBRTY	METHOD: 8260B
CASE # : _____	SDG # : 9416

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 9416
CONTRACT # SW-846 8260B

SAMPLE IDENTIFICATIONS: ACSGWDUP01-27, ACSGWDUP02-27, ACSGWDUP03-27, ACSGWEB01-27, ACSGWLA14-27, ACSGWLA15-27, ACSGWMW06-27, ACSGWMW12-27, ACSGWMW15-27, ACSGWMW17-27, ACSGWMW19-27, ACSGWMW28-27, ACSGWMW42-27, ACSGWMW43-27, ACSGWMW44-27, ACSGWMW45-27, ACSGWMW56-27, ACSGWTB01-27, ACSGWTB02-27, ACSGWTB03-27

The twenty (20) aqueous samples listed above were received intact, properly refrigerated at a temperature of 1.8 to 4.7°C, with proper documentation, on March 22, 23, and 24, 2006. The samples were scheduled for the requested volatile analysis by method 8260B 5ml purge for the requested compounds.

Analysis holding time requirements were met for the samples. The pH value of these samples is tabulated on the attached batch sheet.

None of the samples contained compounds above the Contract Required Quantitation Limit (CRQL) except samples ACSGWMW45-27, ACSGWMW06-27, ACSGWMW19-27, and ACSGWMW56-27. Samples ACSGWMW06-27 and ACSGWMW56-27 contained a compound above the initial calibration range. They were reanalyzed at the appropriate dilution. Both sets of data have been reported. Tentatively Identified Compound (TIC)s were found in all of the samples except samples ACSGWMW28-27, ACSGWMW45-27, ACSGWTB01-27, ACSGWTB02-27, and ACSGWTB03-27.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for the initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria.

A laboratory control sample control samples was analyzed with each batch for this SDG. They passed all QC criteria. Sample ACSGWMW17-27 was used to prepare the matrix spikes for this SDG. They passed all precision and accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
April 5, 2006

CompuChem
a Division of Liberty Analytical Corp.

GC/MS VOA Batch Sheet - Water 8260W 5ml

IP 250/460/462/475/480B/483

Department: VOC

Method:

Batch No.: 17066

CCN	Samp Typ	Client ID	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
97361	MB	VBLKKD						04/05/06				
97362	MB	VBLKKE						04/05/06				
97363	MB	VBLKKF						04/05/06				
97364	LCS	VKDLCS						04/05/06				
97365	LCS	VKELCS						04/05/06				
97366	LCS	VKFLCS						04/05/06				
97367	MS	ACSGWTB01-27(941601MS)		2326	~~3-25~~ 3-26	59	2481	04/04/06			OW	wrong QC (a Trip Blank) Scheduled
delete 97368	MSD	ACSGWTB01-27(941601MSD)		2354	3-25	↓	↓	04/04/06			OW	See Batch # 17082 for correct QC sample
941601	SAMPLE	ACSGWTB01-27		0000			2481	04/04/06	5ml		—	
941602	SAMPLE	ACSGWDUP01-27		0047				04/04/06			—	
941603	SAMPLE	ACSGWMW42-27		0113				04/04/06			—	
941604	SAMPLE	ACSGWMW43-27		0141				04/04/06			—	
941605	SAMPLE	ACSGWMW44-27		0210				04/04/06			—	
941606	SAMPLE	ACSGWMW45-27		0239				04/04/06			—	

Due 4-4

MS/MSD picked

TCL4 +TIC

CompuChem
a Division of Liberty Analytical Corp.

GC/MS VOA Batch Sheet - Water 8260W 5ml

IP 250/460/462/475/480B/483

Department: VOC

Method:

Batch No.: 17082

CCN	Samp Typ	Client ID	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
941607	SAMPLE	ACSGWTB02-27	1	357	3-25	59	2481	04/05/06	5ml	1		
941608	SAMPLE	ACSGWMW19-27	1	336				04/05/06				
941609	SAMPLE	ACSGWMW06-27	1	405				04/05/06			DI	ϕ 2739mg
941610	SAMPLE	ACSGWMW17-27	1	433				04/05/06				
~~941610~~	~~SAMPLE~~	~~ACSGWMW17-27~~	1					~~04/05/06~~				
97515	MB	VBLKLG						04/06/06				
97516	MB	VBLKLH						04/06/06				
97517	MB	VBLKLI						04/06/06				
97518	LCS	VLGLCS						04/06/06				
97519	LCS	VLHLCS						04/06/06				
97520	LCS	VLILCS						04/06/06				
97521	MS	ACSGWMW17-27(941610MS)			3-28	59	2473	04/05/06	5ml	2		
97522	MSD	ACSGWMW17-27(941610MSD)						04/05/06		2		
941611	SAMPLE	ACSGWMW12-27	~~50~~	502	3-25	59	2481	04/05/06	5ml	1		
941612	SAMPLE	ACSGWEB01-27	1	530				04/05/06				
941613	SAMPLE	ACSGWMW28-27	1	559				04/05/06				
941614	SAMPLE	ACSGWDUP02-27	1	607				04/05/06				
941615	SAMPLE	ACSGWMW15-27	1	636				04/05/06				
941616	SAMPLE	ACSGWMW56-27	1	715				04/05/06			DI	ϕ 1611mg
941617	SAMPLE	ACSGWTB03-27	1	752				04/06/06				
941618	SAMPLE	ACSGWLA15-27	1	822				04/06/06				
941619	SAMPLE	ACSGWDUP03-27	1	851				04/06/06				
941620	SAMPLE	ACSGWLA14-27	1	0120	3-26	59	2481	04/06/06	5m	1		
09D			1	0023	3-26	59	2481		1.25ml	1		
10D			1	0052					2ml	1		

Due 4-6

TCL+TICs

GC and GC/MS Column and Trap Specifications Table

SDG #:	9416

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
	Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating)
		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 18

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

COOLER 1 OF 2

12410

123

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information		Project Information	
Company Name	MWH	Project Name	ACS GROUNDWATER-ROUND 27
Address	175 W JACKSON BLVD #1900	Sampling Location	GRIFFITH, IN
City / State / Zip	CHICAGO IL 60604	Turnaround time	NORMAL TAT
Project Contact	DAVID POWERS	Batch QC or Project Specific? If Specific, which Sample ID?	
Phone #	312.831.3432	Are aqueous samples field filtered for metals? Y or N	NOT FIELD FILTERED
Sampler's Name	D. POWERS / J. FINGER	Are high concentrations expected? Y or N? If yes, which ID(s)?	

Requested Analysis (including method and bottle type)

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other NONE	VOCs + TICs	M,E,E (GASES) 40mls	Sulfate, Alkalinity, Chloride, Nitrate, TKN 500ml	Total Fe & Mn 500ml (2)	Dissolved Fe & Mn 250ml	Iron II 500ml (Cancel)	Ferrous Iron 250ml				pH / Sample Info (Lab Use)
941601	ACS-GW-TB01-27	3/21/06	0800	GW	2	2						X	X									
941602 941701	ACS-GW-DUP01-27	↓	1200	GW	10	6		3			1	X	X	X	X	X	X	X				<2
941603 941702	ACS-GW-MW42-27	↓	1217	GW	10	6		3			1	X	X	X	X	X	X	X				↓
941604 941703	ACS-GW-MW43-27	↓	1400	GW	10	6		3			1	X	X	X	X	X	X	X				↓
941605 941704	ACS-GW-MW44-27	↓	1600	GW	10	6		3			1	X	X	X	X	X	X	X				↓
941606 941705	ACS-GW-MW45-27	↓	1710	GW	10	6		3			1	X	X	X	X	X	X	X				↓

MS 3/22/06

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only

Sample Unpacked By: J. Purdie
Sample Order Entry By: Melissa Stone
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

PLEASE LABORATORY FILTER DISSOLVED Fe & Mn
PLEASE CALL D. POWERS AT 630.842.7223
TO DISCUSS

Sample Custody

Relinquished by: David Powers	Date/Time: 3/21/06 1830	Received by: J. Purdie	Date/Time: 3.22.06 905
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 3.2, 3.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

Cooler 1 of 2

12411

124

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier: Fed Ex
Airbill No.: 8566 7444 4460 4470 8566 7444 4460
Sampling Complete? Y or N

Client/Reporting Information

Company Name: MWH
Address: 175 W JACKSON BLVD SUITE #1900
City: CHICAGO State: IL Zip: 60604
Project Contact: DAVID POWERS
Phone #: 312.831.3432
Sampler's Name: D. POWERS, J. FINCER

Project Information

Project Name: ACS GROUNDWATER - ROUND 27
Sampling Location: ACS - GRIFFITH, IN
Turnaround time: STANDARD TAT
Batch QC or Project Specific? If Specific, which Sample ID?: MS/MSD - MW17
Are aqueous samples field filtered for metals? Y or (N): NOT FIELD FILTERED
Are high concentrations expected? Y or N? If yes, which ID(s)?:

Requested Analysis (include method and bottle type)

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

pH / Shipping Info (Lab Use)

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other None	VOCs + TICs	M,E,E (GASES)	Sulfate, Alkalinity, Chloride, Nitrate, TKN	Total Fe & Mn	Dissolved Fe & Mn	Ferrous Iron (Fe II)				
941607	ACS-GW-TB02-27	3/22/06	0800	GW	1	1						X										
941608	ACS-GW-MW19-27		0940	GW	9	6		1			2	X	X	X	X	X	X	941706				
941609	ACS-GW-MW06-27		1120	GW	9	6		1			2	X	X	X	X	X	X	941707				
941610	ACS-GW-MW17-27		1220	GW	23	15	(DP)	2			4	X	X	X	X	X	X	941708				
941613	ACS-GW-MW28-27		1415	GW	3	3						X										
941614	ACS-GW-DUP02-27		1700	GW	3	3						X										
941611	ACS-GW-MW12-27		1520	GW	9	86	(DP)	1			2	X	X	X	X	X	X	941709				
941615	ACS-GW-MW15-27		1625	GW	3	3						X										
941616	ACS-GW-MW56-27		1710	GW	3	3						X										
941612	ACS-GW-EB01-27		1720	GW	9	6		1			2	X	X	X	X	X	X	941710				

Lab Use Only

Sample Unpacked By:
Sample Order Entry By: Melissa Stone
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

PLEASE LABORATORY FILTER (0.45 micron) DISSOLVED Fe & Mn SAMPLES

Sample Custody

Relinquished by:	Date/Time: 3/22/06 1900	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time: 3-23-06 9:10

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? Y or N
On Ice? (Y) or N
Cooler Temp: 4.7 3.7 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

CompuChem
a division of Liberty Analytical Corporation

QUALITY ASSURANCE NOTICE

CompuChem ID # MW 14
Client ID # MW-19, MW06
Case #
Type of Analysis Ferrous IRON
Receipt Date 3-23-06

The pH reading for the sample above was 6 : the required pH level is <2

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample

Subcontract lab to preserve

Spoke to Dave Powers regarding the preservation mp 3/23/06

Project Manager Marlene J. Smith Date 3·23·06

Preservation Type 10% Hydrochloric Acid Preservative Lot Number 7GG105-03 56654

Preserved By [signature] Date 3-23-06

QAN-R-2
020529

QAN-R-2:052902:llc

Cooler 1 of 1

12425

126

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.
501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier FED EX
Airbill No. 8566 7444 4297
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: MWH	Project Name: ACS GROUNDWATER - ROUND 27
Address: 175 W. JACKSON BLVD SUITE #1900	Sampling Location: ACS - GRIFFITH, IN
City: CHICAGO State: IL Zip: 60604	Turnaround time: STANDARD TAT
Project Contact: DAVID POWERS	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 312.831.3432	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: D. POWERS / J. FINGER	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

pH / Sample Info (Lab Use)

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: VOC + TICs
941617	ACS-GW-TB03-27	3/23/06	0800	GW	1	1						X
941618	ACS-GW-LA15-27		0920	GW	3	3						X
941619	ACS-GW-DUP03-27		1000	GW	3	3						X
941620	ACS-GW-LA14-27		1025	GW	3	3						X
943301	ACS-GW-LA13-27		1115	GW	3	3						X
943302	ACS-GW-MW63-27		1155	GW	3	3						X
943303	ACS-GW-MLA12-27		1430	GW	3	3						X
943304	ACS-GW-LA11-27		1550	GW	3	3						X
943305	ACS-GW-MW57-27		1700	GW	3	3						X
943306	ACS-GW-EB02-27		1730	GW	3	3						X

Lab Use Only

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: Melissa Stone
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Daniel Powers	Date/Time: 3/23/06 1830	Received by: Jennifer Dover	Date/Time: 3/24/06 9:05
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? Y or N
On Ice? (Y) or N
Cooler Temp: 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9416 **Account:** MWH **Project:** ACS/NPL SITE
SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD
Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
941601	ACSGWTB01-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOAs+TICs
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941602	ACSGWDUP01-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941603	ACSGWMW42-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941604	ACSGWMW43-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9416 **Account:** MWH **Project:** ACS/NPL SITE
SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD
Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941605	ACSGWMW44-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941606	ACSGWMW45-27	3/21/2006	3/22/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941607	ACSGWTB02-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOAs+TICs
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941608	ACSGWMW19-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE ;TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9416 **Account:** MWH **Project:** ACS/NPL SITE

SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD

Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941609	ACSGWMW06-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE ;TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941610	ACSGWMW17-27	3/22/2006	3/23/2006	4/6/2006	*USE FOR QC*REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE ;TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	QCW-300.0	QC-300.0 IC WATER			
W	QCW-3500FR	QC-3500 FERROUS IRON WATER			
W	QCW-6010	QC-6010B METALS WATER			
W	QCW-8260-5	QC-8260B 5ML VOC WATER			
W	QCW-RSK175	QC-RSK 175 WATER			
W	QCW-TKNTKP	QC-351.2/365.4 TKN & TKP WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9416 **Account:** MWH **Project:** ACS/NPL SITE
SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD
Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
941611	ACSGWMW12-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE ;TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941612	ACSGWEB01-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;RPT. MEEs*RPT TOTAL Fe & Mn**RPT. SULFATE,ALK,CHLORIDE,NITRATE ;TKN*RPT. FERROUS Fe*
W	GWRSK-175	RSK-175 WATER			
W	MW6010VAR	METAL 6010B VARIABLE WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	WW300.0-1	300.0 IC WATER OPTION 1			
W	WW310.2ALK	ALKALINITY 310.2 WATER			
W	WW3500FERR	FERROUS IRON 3500-FE D WATER			
W	WW351.2TKN	TTL KJELDAHL NITRN (TKN) 351.2			
941613	ACSGWMW28-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941614	ACSGWDUP02-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941615	ACSGWMW15-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941616	ACSGWMW56-27	3/22/2006	3/23/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
941617	ACSGWTB03-27	3/23/2006	3/24/2006	4/6/2006	REPORT TCL4 VOA+TICs;**TRIP BLANK
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9416 **Account:** MWH **Project:** ACS/NPL SITE
SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD
Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
941618	ACSGWLA15-27	3/23/2006	3/24/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	**VW82-5TC4**	**VOC 8260B 5ML TCL4 WATER**			
941619	ACSGWDUP03-27	3/23/2006	3/24/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	**VW82-5TC4**	**VOC 8260B 5ML TCL4 WATER**			
941620	ACSGWLA14-27	3/23/2006	3/24/2006	4/6/2006	REPORT TCL4 VOA+TICs;
W	**VW82-5TC4**	**VOC 8260B 5ML TCL4 WATER**			

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles

Matrix: W

Request Date: 3/22/2006

Batch 17066

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	941601	3/22/2006	VW8260_5X	40MLVIAL	HCL	941601-1
2	941602	3/22/2006	VW8260_5X	40MLVIAL	HCL	941602-1
3	941603	3/22/2006	VW8260_5X	40MLVIAL	HCL	941603-1
4	941604	3/22/2006	VW8260_5X	40MLVIAL	HCL	941604-1
5	941605	3/22/2006	VW8260_5X	40MLVIAL	HCL	941605-1
6	941606	3/22/2006	VW8260_5X	40MLVIAL	HCL	941606-1

Relinquished By:	Received By:	Date/Time	Reason
#2	[illegible]	3-24 2100	[illegible]
[illegible]	#2	3-24 2200	[illegible]

Wednesday, March 22, 2006

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 3/24/2006 Batch 17082

Comments: _____

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	941607	3/23/2006	VW8260_5X	40MLVIAL	HCL	941607-1
2	941608	3/23/2006	VW8260_5X	40MLVIAL	HCL	941608-1
3	941609	3/23/2006	VW8260_5X	40MLVIAL	HCL	941609-1
4	941610	3/23/2006	VW8260_5X	40MLVIAL	HCL	941610-1
5	941610	3/23/2006	VW8260_5X	40MLVIAL	HCL	941610-10
6	941611	3/23/2006	VW8260_5X	40MLVIAL	HCL	941611-1
7	941612	3/23/2006	VW8260_5X	40MLVIAL	HCL	941612-1
8	941613	3/23/2006	VW8260_5X	40MLVIAL	HCL	941613-1
9	941614	3/23/2006	VW8260_5X	40MLVIAL	HCL	941614-1
10	941615	3/23/2006	VW8260_5X	40MLVIAL	HCL	941615-1
11	941616	3/23/2006	VW8260_5X	40MLVIAL	HCL	941616-1
12	941617	3/24/2006	VW8260_5X	40MLVIAL	HCL	941617-1
13	941618	3/24/2006	VW8260_5X	40MLVIAL	HCL	941618-1
14	941619	3/24/2006	VW8260_5X	40MLVIAL	HCL	941619-1
15	941620	3/24/2006	VW8260_5X	40MLVIAL	HCL	941620-1

Relinquished By:	Received By:	Date/Time	Reason
[signature]	[signature]	3-25 1600	[signature]
[signature]	[signature]	+ 1610	[signature]
[signature]	[signature]	3-28 1000	[signature]
[signature]	[signature]	+ 1200	[signature]

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 9416

1. QC Summary

a. Surrogate Recovery Summary (Form II VOA)

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

c. Method Blank Summary (Form IV VOA)

d. GC/MS Instrument Performance Check
(Form V VOA)

e. Internal Standard Area and RT Summary
(Form VIII VOA)

a. Surrogate Recovery Summary

(Form II VOA)

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKLG	88	88	89	85	0
02	VLGLCS	89	90	91	90	0
03	ACSGWTB01-27	89	92	90	89	0
04	ACSGWDUP01-2	90	91	90	86	0
05	ACSGWMW42-27	90	96	91	90	0
06	ACSGWMW43-27	90	99	90	88	0
07	ACSGWMW44-27	90	99	92	92	0
08	ACSGWMW45-27	88	107	91	90	0
09	ACSGWTB02-27	89	101	93	92	0
10	ACSGWMW19-27	88	99	94	91	0
11	ACSGWMW06-27	88	97	92	93	0
12	ACSGWMW17-27	88	101	93	95	0
13	ACSGWMW12-27	87	99	93	91	0
14	ACSGWEB01-27	88	100	93	94	0
15	ACSGWMW28-27	85	101	92	94	0
16	ACSGWDUP02-2	87	103	93	95	0
17	ACSGWMW15-27	87	101	94	92	0
18	ACSGWMW56-27	88	102	94	95	0
19	ACSGWTB03-27	88	102	94	95	0
20	ACSGWLA15-27	88	103	93	93	0
21	ACSGWDUP03-2	88	104	94	93	0
22	VBLKMP	90	94	89	90	0
23	VMPLCS	87	95	90	90	0
24	ACSGWMW06-27	89	96	91	91	0
25	ACSGWMW56-27	89	99	92	92	0
26	ACSGWLA14-27	88	99	92	92	0
27	VBLKND	86	83	87	85	0
28	ACSGWMW17-27	88	86	90	89	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	ACSGWMW17-27	88	82	89	88	0
02	VNDLCS	89	83	89	88	0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix Spike - Sample No.: ACSGWMW17-27

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	49.16	98	72-129
Benzene	50	0.0	51.01	102	75-125
Trichloroethene	50	0.0	51.37	103	66-147
Toluene	50	0.0	53.33	107	78-126
Chlorobenzene	50	0.0	54.39	109	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	49.06	98	0	14	72-129
Benzene	50	51.92	104	2	14	75-125
Trichloroethene	50	52.32	105	2	14	66-147
Toluene	50	53.46	107	0	14	78-126
Chlorobenzene	50	55.02	110	1	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VLGLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	51.2	102	72-129
Benzene	50	50.71	101	75-125
Trichloroethene	50	49.01	98	66-147
Toluene	50	53.04	106	78-126
Chlorobenzene	50	53.15	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	49.26	99	72-129
Benzene	50	51.7	103	75-125
Trichloroethene	50	48.3	97	66-147
Toluene	50	52.91	106	78-126
Chlorobenzene	50	53.24	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNDLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	58.52	117	72-129
Benzene	50	56.82	114	75-125
Trichloroethene	50	56.53	113	66-147
Toluene	50	59.22	118	78-126
Chlorobenzene	50	57.9	116	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

c. Method Blank Summary (Form IV VOA)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks, by instrument.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKLG

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97515B59 Lab Sample ID: 97515

Date Analyzed: 03/24/06 Time Analyzed: 2301

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VLGLCS	97518	97518B59	2338
02	ACSGWTB01-27	941601	941601B59	0016
03	ACSGWDUP01-2	941602	941602B59	0044
04	ACSGWMW42-27	941603	941603B59	0113
05	ACSGWMW43-27	941604	941604B59	0141
06	ACSGWMW44-27	941605	941605B59	0210
07	ACSGWMW45-27	941606	941606B59	0239
08	ACSGWTB02-27	941607	941607B59	0307
09	ACSGWMW19-27	941608	941608B59	0336
10	ACSGWMW06-27	941609	941609B59	0405
11	ACSGWMW17-27	941610	941610B59	0433
12	ACSGWMW12-27	941611	941611B59	0502
13	ACSGWEB01-27	941612	941612B59	0530
14	ACSGWMW28-27	941613	941613B59	0559
15	ACSGWDUP02-2	941614	941614B59	0628
16	ACSGWMW15-27	941615	941615B59	0656
17	ACSGWMW56-27	941616	941616B59	0725
18	ACSGWTB03-27	941617	941617B59	0753
19	ACSGWLA15-27	941618	941618B59	0822
20	ACSGWDUP03-2	941619	941619B59	0851
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97775B59 Lab Sample ID: 97775

Date Analyzed: 03/25/06 Time Analyzed: 2141

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMPLCS	97778	97778B59	2218
02	ACSGWMW06-27	941609	941609DB59	0023
03	ACSGWMW56-27	941616	941616DB59	0052
04	ACSGWLA14-27	941620	941620B59	0120
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKND

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: 97798A59 Lab Sample ID: 97798

Date Analyzed: 03/28/06 Time Analyzed: 1007

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWMW17-27	97521	97521A59	1117
02	ACSGWMW17-27	97522	97522A59	1145
03	VNDLCS	97821	97821RA59	1250
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

d. GC/MS Instrument Performance Check (Form V VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: BG060324A59 BFB Injection Date: 03/24/06

Instrument ID: 5972HP59 BFB Injection Time: 1529

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	95.0 - 101.0% of mass 174	69.2 (96.4)1
177	5.0 - 9.0% of mass 176	4.6 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	GS060324A59	03/24/06	1553
02	VSTD010	VSTD010	GT060324A59	03/24/06	1621
03	VSTD020	VSTD020	GU060324A59	03/24/06	1649
04	VSTD050	VSTD050	GV060324A59	03/24/06	1717
05	VSTD200	VSTD200	GX060324A59	03/24/06	1813
06	VSTD100	VSTD100	GY060324A59	03/24/06	1840
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: BF060324B59 BFB Injection Date: 03/24/06

Instrument ID: 5972HP59 BFB Injection Time: 2111

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	44.0
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	Greater than 50.0% of mass 95	68.9
175	5.0 - 9.0% of mass 174	5.1 (7.5)1
176	95.0 - 101.0% of mass 174	66.6 (96.6)1
177	5.0 - 9.0% of mass 176	4.5 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060324B59	03/24/06	2227
02	VBLKLG	97515	97515B59	03/24/06	2301
03	VLGLCS	97518	97518B59	03/24/06	2338
04	ACSGWTB01-27	941601	941601B59	03/25/06	0016
05	ACSGWDUP01-2	941602	941602B59	03/25/06	0044
06	ACSGWMW42-27	941603	941603B59	03/25/06	0113
07	ACSGWMW43-27	941604	941604B59	03/25/06	0141
08	ACSGWMW44-27	941605	941605B59	03/25/06	0210
09	ACSGWMW45-27	941606	941606B59	03/25/06	0239
10	ACSGWTB02-27	941607	941607B59	03/25/06	0307
11	ACSGWMW19-27	941608	941608B59	03/25/06	0336
12	ACSGWMW06-27	941609	941609B59	03/25/06	0405
13	ACSGWMW17-27	941610	941610B59	03/25/06	0433
14	ACSGWMW12-27	941611	941611B59	03/25/06	0502
15	ACSGWEB01-27	941612	941612B59	03/25/06	0530
16	ACSGWMW28-27	941613	941613B59	03/25/06	0559
17	ACSGWDUP02-2	941614	941614B59	03/25/06	0628
18	ACSGWMW15-27	941615	941615B59	03/25/06	0656
19	ACSGWMW56-27	941616	941616B59	03/25/06	0725
20	ACSGWTB03-27	941617	941617B59	03/25/06	0753
21	ACSGWLA15-27	941618	941618B59	03/25/06	0822
22	ACSGWDUP03-2	941619	941619B59	03/25/06	0851

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: BF060325B59 BFB Injection Date: 03/25/06

Instrument ID: 5972HP59 BFB Injection Time: 1954

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	18.9	
75	30.0 - 60.0% of mass 95	46.3	
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	Greater than 50.0% of mass 95	66.0	
175	5.0 - 9.0% of mass 174	4.8	(7.3)1
176	95.0 - 101.0% of mass 174	63.2	(95.6)1
177	5.0 - 9.0% of mass 176	4.1	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060325B59	03/25/06	2050
02	VBLKMP	97775	97775B59	03/25/06	2141
03	VMPLCS	97778	97778B59	03/25/06	2218
04	ACSGWMW06-27	941609	941609DB59	03/26/06	0023
05	ACSGWMW56-27	941616	941616DB59	03/26/06	0052
06	ACSGWLA14-27	941620	941620B59	03/26/06	0120
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID: BF060328A59 BFB Injection Date: 03/28/06

Instrument ID: 5972HP59 BFB Injection Time: 0857

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.6
75	30.0 - 60.0% of mass 95	43.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.3 (7.1)1
176	95.0 - 101.0% of mass 174	71.8 (96.0)1
177	5.0 - 9.0% of mass 176	4.8 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GS060328A59	03/28/06	0925
02	VBLKND	97798	97798A59	03/28/06	1007
03	ACSGWMW17-27	97521	97521A59	03/28/06	1117
04	ACSGWMW17-27	97522	97522A59	03/28/06	1145
05	VNDLCS	97821	97821RA59	03/28/06	1250
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

e. Internal Standard Area and RT Summary (Form VIII VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060324B59 Date Analyzed: 03/24/06

Instrument ID: 5972HP59 Time Analyzed: 2227

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	482871	9.98	315996	12.96	148443	15.04
	UPPER LIMIT	965742	10.48	631992	13.46	296886	15.54
	LOWER LIMIT	241436	9.48	157998	12.46	74222	14.54
	CLIENT SAMPLE NO.						
01	VBLKLG	444395	9.98	291185	12.96	139661	15.05
02	VLGLCS	434811	9.98	286151	12.96	136624	15.05
03	ACSGWTB01-27	435546	9.98	284695	12.97	134968	15.04
04	ACSGWDUP01-2	423838	9.99	278098	12.96	134472	15.05
05	ACSGWMW42-27	416917	9.98	271347	12.96	130853	15.05
06	ACSGWMW43-27	428527	9.99	280648	12.96	135050	15.05
07	ACSGWMW44-27	412727	9.98	267855	12.96	126083	15.05
08	ACSGWMW45-27	412838	9.99	263506	12.96	123944	15.05
09	ACSGWTB02-27	410049	9.99	260010	12.96	124206	15.05
10	ACSGWMW19-27	417562	9.99	264794	12.97	124883	15.05
11	ACSGWMW06-27	407255	9.99	260557	12.96	121653	15.05
12	ACSGWMW17-27	408107	9.98	259543	12.97	123005	15.05
13	ACSGWMW12-27	411439	9.99	261237	12.96	121443	15.05
14	ACSGWEB01-27	408569	9.98	257124	12.96	120179	15.05
15	ACSGWMW28-27	407780	9.99	257292	12.96	118975	15.05
16	ACSGWDUP02-2	401814	9.98	254231	12.96	118146	15.05
17	ACSGWMW15-27	402576	9.99	252897	12.96	119171	15.05
18	ACSGWMW56-27	400685	9.98	251853	12.96	117269	15.04
19	ACSGWTB03-27	398133	9.98	252037	12.96	115980	15.05
20	ACSGWLA15-27	403477	9.98	253290	12.96	118492	15.05

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060324B59 Date Analyzed: 03/24/06

Instrument ID: 5972HP59 Time Analyzed: 2227

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	482871	9.98	315996	12.96	148443	15.04
	UPPER LIMIT	965742	10.48	631992	13.46	296886	15.54
	LOWER LIMIT	241436	9.48	157998	12.46	74222	14.54
	CLIENT SAMPLE NO.						
01	ACSGWDUP03-2	402225	9.98	252733	12.96	118204	15.05
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GT060325B59 Date Analyzed: 03/25/06

Instrument ID: 5972HP59 Time Analyzed: 2050

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	427148	9.98	283097	12.96	132758	15.05
	UPPER LIMIT	854296	10.48	566194	13.46	265516	15.55
	LOWER LIMIT	213574	9.48	141548	12.46	66379	14.55
	CLIENT SAMPLE NO.						
01	VBLKMP	422387	9.98	275739	12.96	132298	15.05
02	VMPLCS	412616	9.97	272737	12.95	129364	15.04
03	ACSGWMW06-27	407735	9.97	263483	12.95	123663	15.04
04	ACSGWMW56-27	405488	9.98	260140	12.96	121459	15.05
05	ACSGWLA14-27	412253	9.98	262339	12.96	123021	15.05
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Lab File ID (Standard): GS060328A59 Date Analyzed: 03/28/06

Instrument ID: 5972HP59 Time Analyzed: 0925

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	517282	9.95	344908	12.94	167202	15.02
	UPPER LIMIT	1034564	10.45	689816	13.44	334404	15.52
	LOWER LIMIT	258641	9.45	172454	12.44	83601	14.52
	CLIENT SAMPLE NO.						
01	VBLKND	488195	9.95	335243	12.94	165659	15.02
02	ACSGWMW17-27	490293	9.96	324284	12.94	156628	15.02
03	ACSGWMW17-27	494561	9.96	327506	12.94	159614	15.03
04	VNDLCS	501169	9.97	328554	12.94	159133	15.03
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I VOA and Form I VOA-TIC), followed by the raw data for volatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I VOA)
Tabulated results (identification and quantitation) shall be included.

b. Tentatively Identified Compounds (Form I VOA-TIC)
Lists the client specified number of organic compounds that are non-surrogate/non-internal standard compounds and are not listed on the target compound list. This form shall be included even if no compounds are found.

c. Reconstructed Ion Chromatograms
Include for each sample or sample extract, including dilutions and reanalyses. The RIC shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

d. Quantitation Report showing calculations for target analytes
- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to all compounds, internal standards, and surrogate compounds.

e. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.
- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

f. Quantitation Report showing calculations for TICs

g. Copies of mass spectra of organic compounds not listed on the target compound list (TICs) with associated best-match spectra.
- The spectra shall be labeled as follows: Client Sample ID number, lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

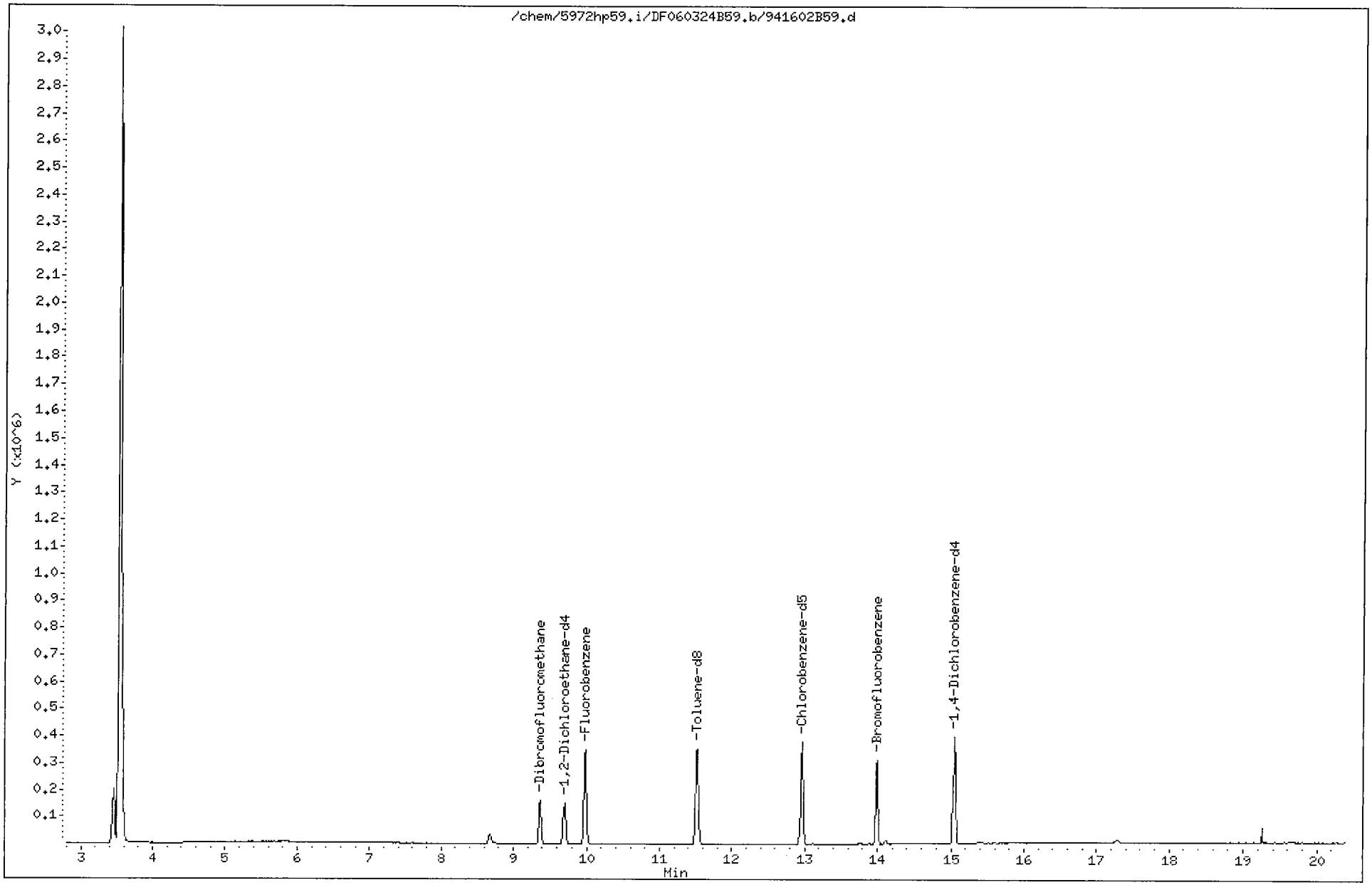
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	6.3	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941602B59.d
Date : 25-MAR-2006 00:44
Client ID: ACSGWDUP01-27
Sample Info: 941602:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941602B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941602B59.d
Lab Smp Id: 941602 Client Smp ID: ACSGWDUP01-27
Inj Date : 25-MAR-2006 00:44
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941602:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.986	9.980	(1.000)	423838	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.963	(1.000)	278098	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.040	(1.000)	134472	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	123545	225.738	45
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	130641	227.829	46
$ 6 Toluene-d8	98	11.522	11.516	(0.889)	374701	224.756	45
$ 7 Bromofluorobenzene	95	13.993	13.987	(0.930)	152636	214.975	43
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941602B59.d
Report Date: 27-Mar-2006 05:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941602B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941602B59.d
Lab Smp Id: 941602 Client Smp ID: ACSGWDUP01-27
Inj Date : 25-MAR-2006 00:44
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941602:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.986	893807	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.687	111837	31.2811578	6.3	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941602B59.d

Date : 25-MAR-2006 00:44

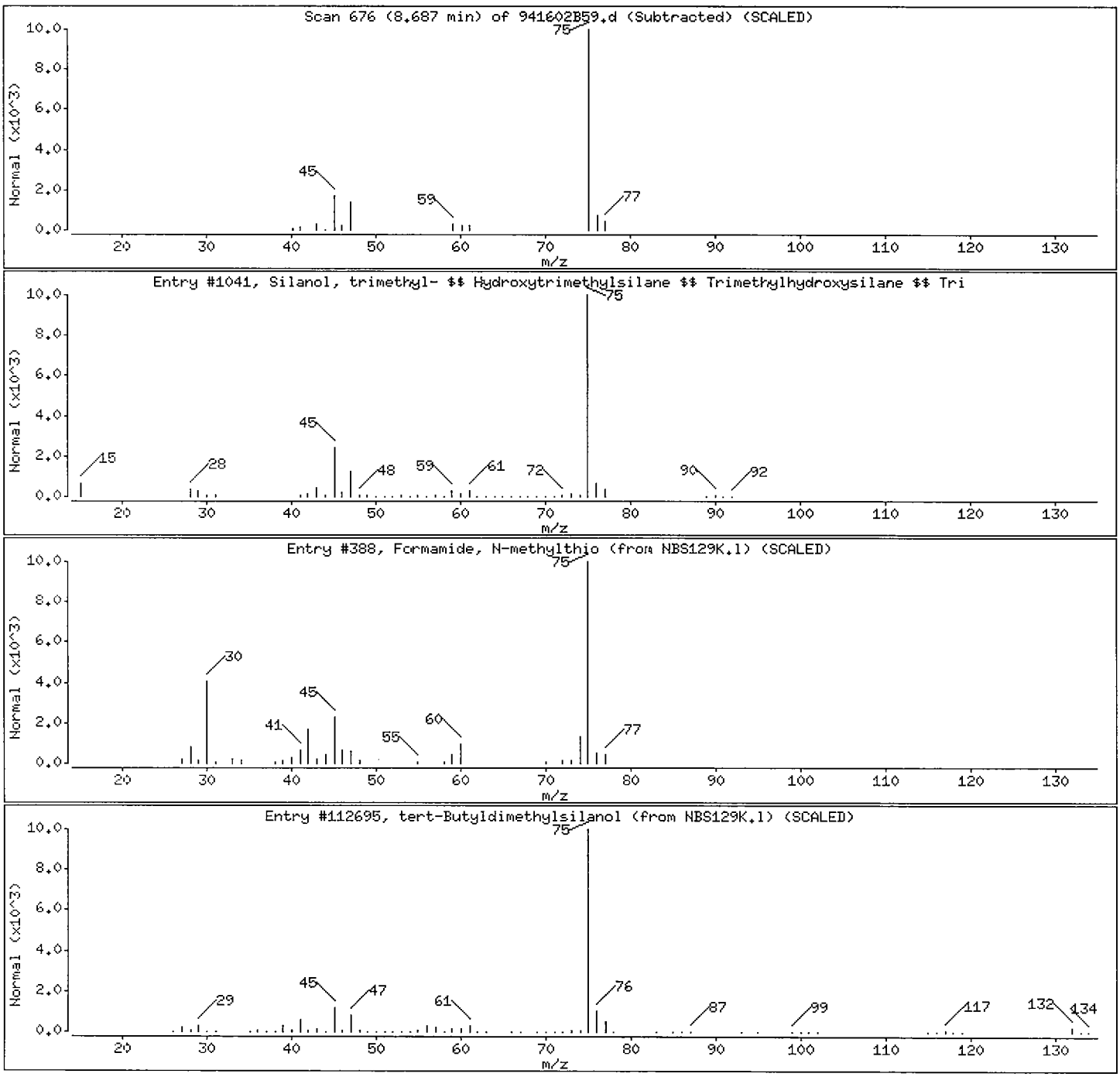
Client ID: ACSGWDUP01-27 Instrument: 5972hp59.i

Sample Info: 941602:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

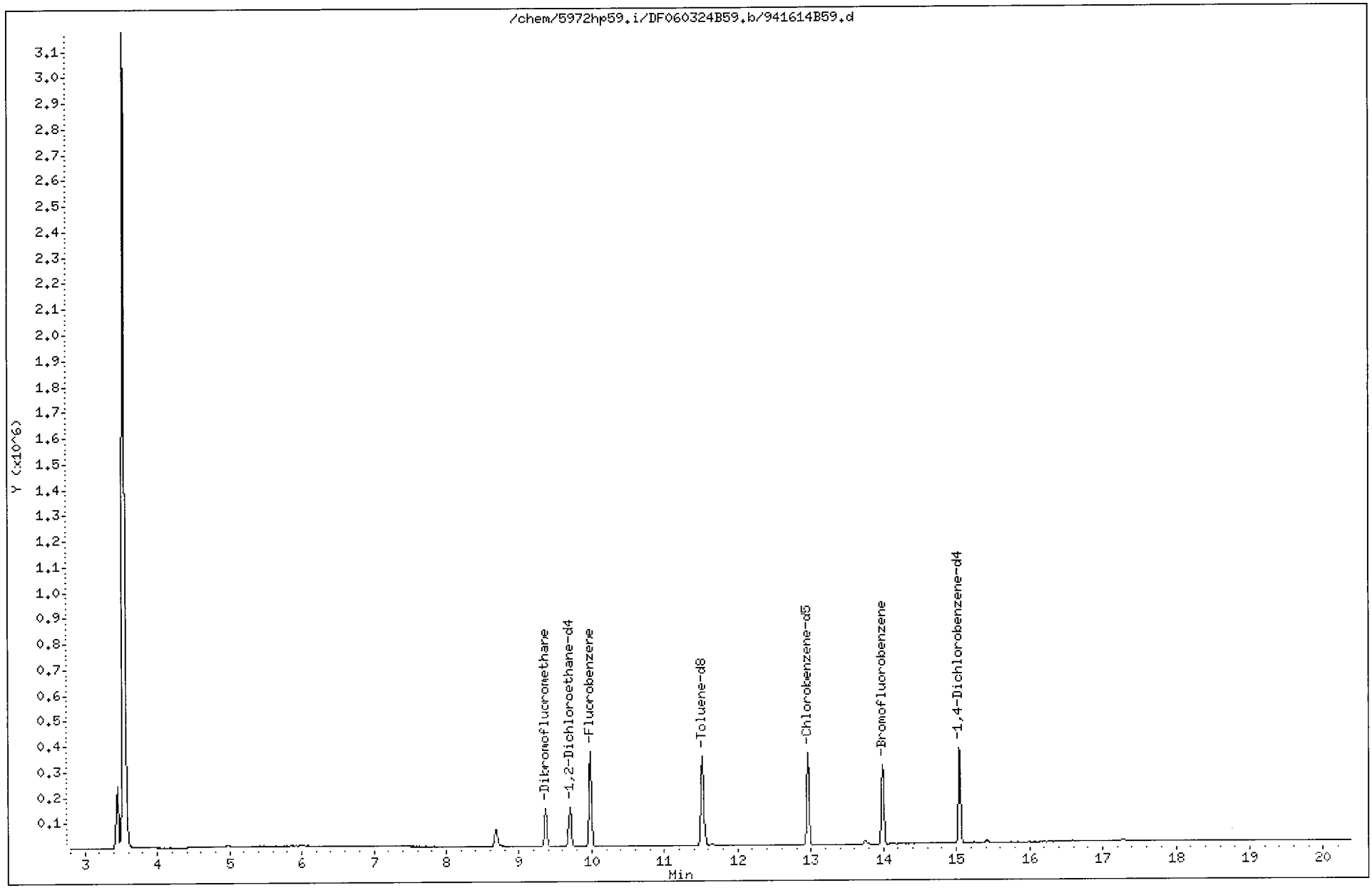
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	12	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941614B59.d
Date : 25-MAR-2006 06:28
Client ID: ACSGWDUP02-27
Sample Info: 941614:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941614B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941614B59.d
Lab Smp Id: 941614 Client Smp ID: ACSGWDUP02-27
Inj Date : 25-MAR-2006 06:28
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941614:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.980	9.980	(1.000)	401814	250.000	
* 2 Chlorobenzene-d5	117	12.963	12.963	(1.000)	254231	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.050	15.040	(1.000)	118146	250.000	
$ 4 Dibromofluoromethane	113	9.370	9.360	(0.939)	112426	216.681	43
$ 5 1,2-Dichloroethane-d4	65	9.704	9.694	(0.972)	139479	256.574	51
$ 6 Toluene-d8	98	11.516	11.516	(0.888)	353008	231.622	46
$ 7 Bromofluorobenzene	95	13.987	13.987	(0.929)	147799	236.927	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941614B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941614B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941614B59.d
Lab Smp Id: 941614 Client Smp ID: ACSGWDUP02-27
Inj Date : 25-MAR-2006 06:28
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941614:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.980	893694	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.681	218856	61.2222923	12	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941614B59.d

Date : 25-MAR-2006 06:28

Client ID: ACSGWDUP02-27

Instrument: 5972hp59.i

Sample Info: 941614:2481

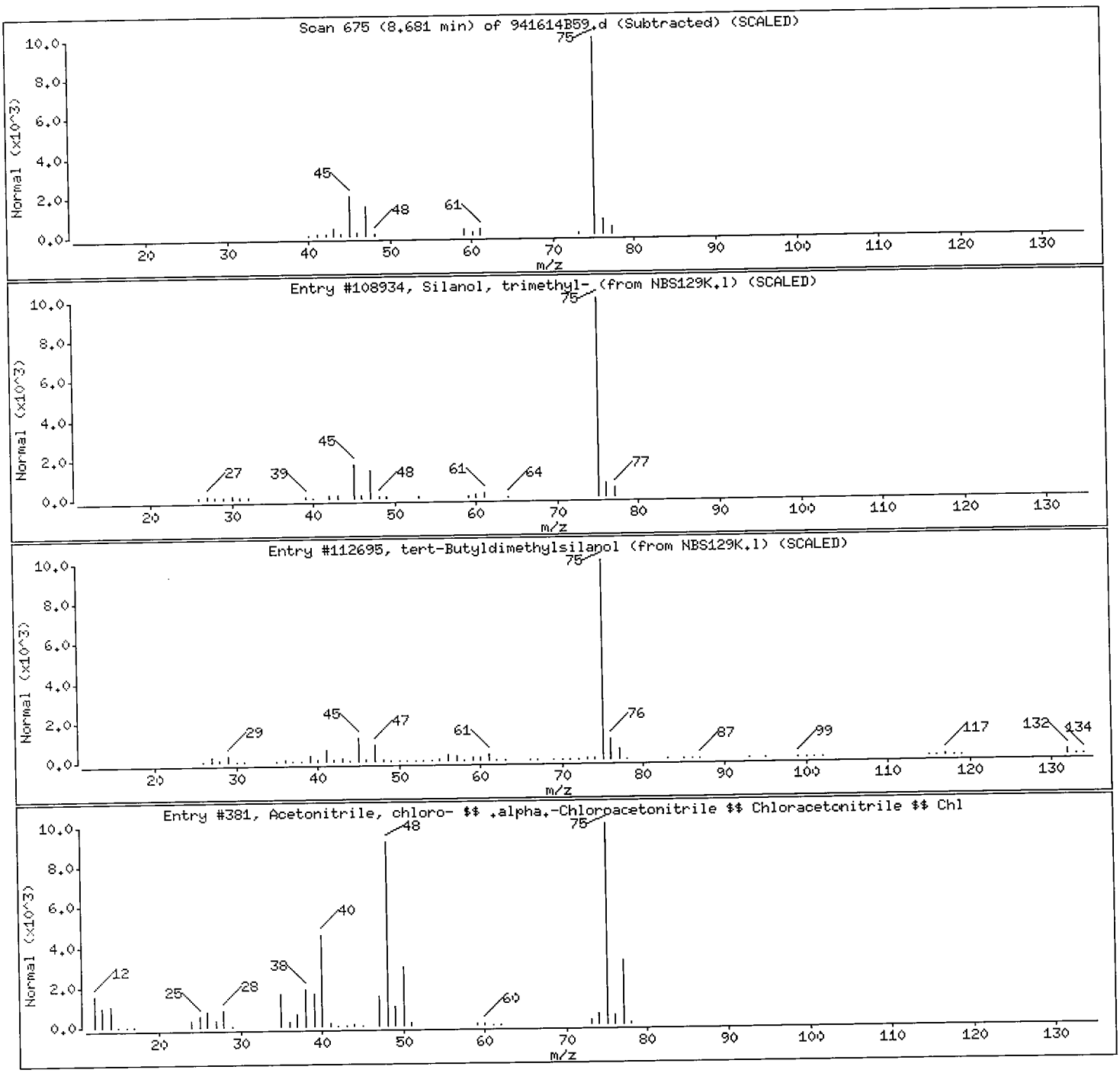
Purge Volume: 5.0

Operator: 2481

Column phase: ZB-624

Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	72	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.5	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.93	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

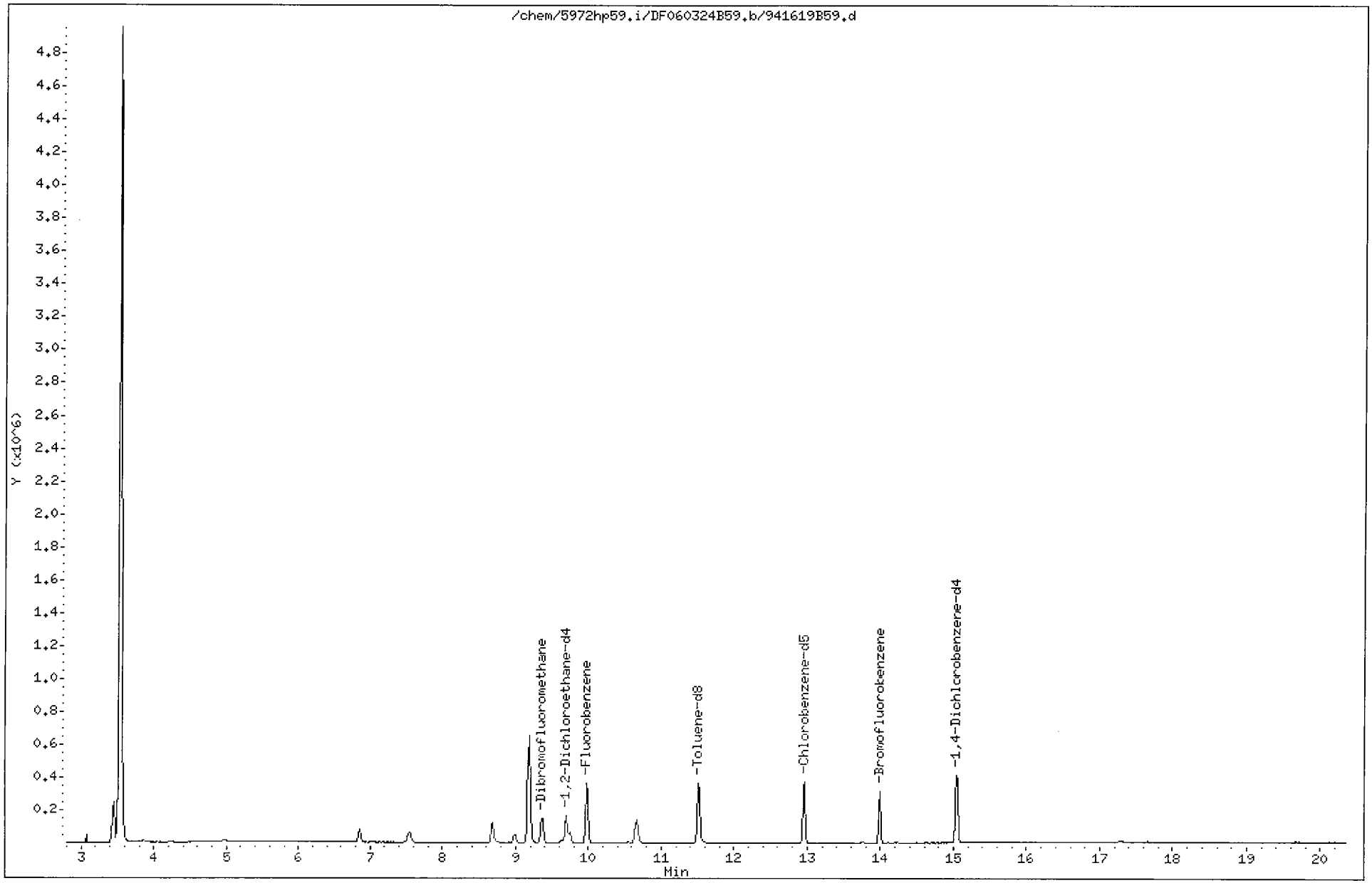
Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.55	14	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	20	NJ
4.		UNKNOWN	8.98	7.1	J
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	89	NJ
6.	123-91-1	1,4-DIOXANE	10.66	23	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d
Date : 25-MAR-2006 08:51
Client ID: ACSGWDUP03-27
Instrument: 5972hp59.i
Sample Info: 941619;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941619B59.d
Lab Smp Id: 941619 Client Smp ID: ACSGWDUP03-27
Inj Date : 25-MAR-2006 08:51
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941619:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.979	9.980	(1.000)	402225	250.000	
* 2 Chlorobenzene-d5	117	12.962	12.963	(1.000)	252733	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.049	15.040	(1.000)	118204	250.000	
$ 4 Dibromofluoromethane	113	9.369	9.360	(0.939)	114023	219.535	44
$ 5 1,2-Dichloroethane-d4	65	9.693	9.694	(0.971)	141813	260.601	52
$ 6 Toluene-d8	98	11.515	11.516	(0.888)	356587	235.357	47
$ 7 Bromofluorobenzene	95	13.986	13.987	(0.929)	144673	231.803	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d
Report Date: 27-Mar-2006 05:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.743	9.744	(0.976)	29690	17.5803	3.5(a)
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	11.584	11.595	(0.894)	4572	4.66324	0.93(a)
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

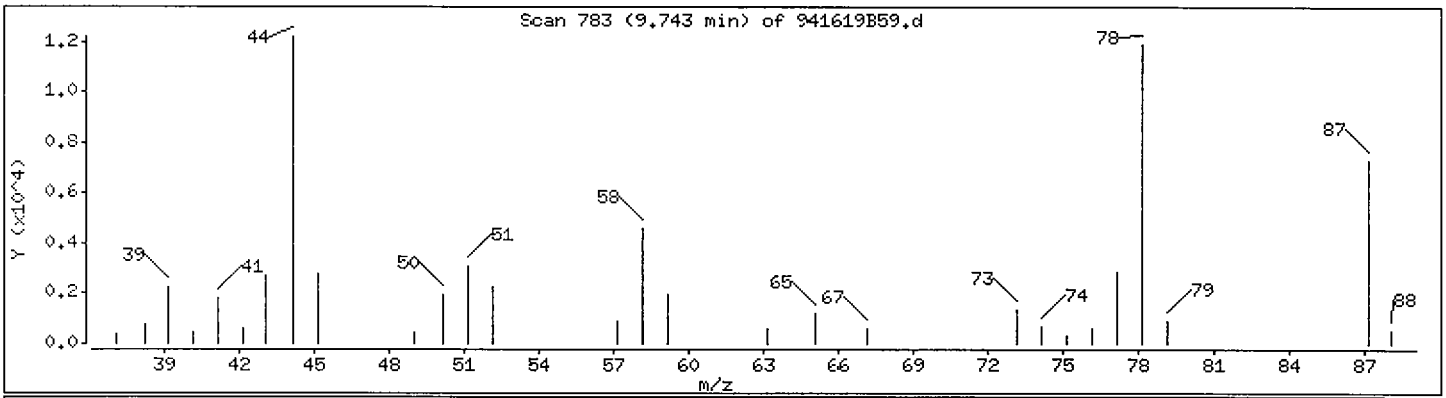
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

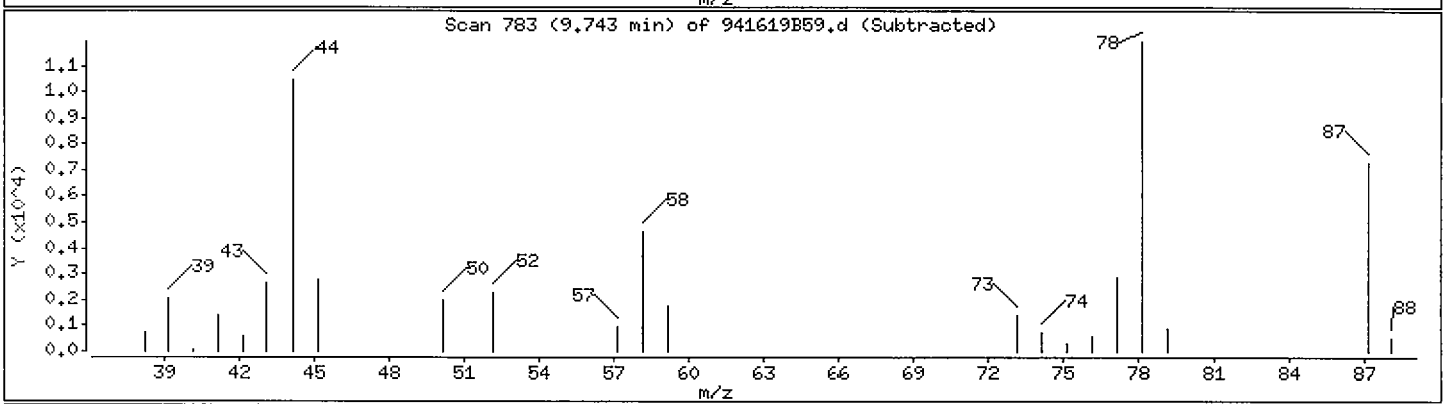
Sample Info: 941619:2481

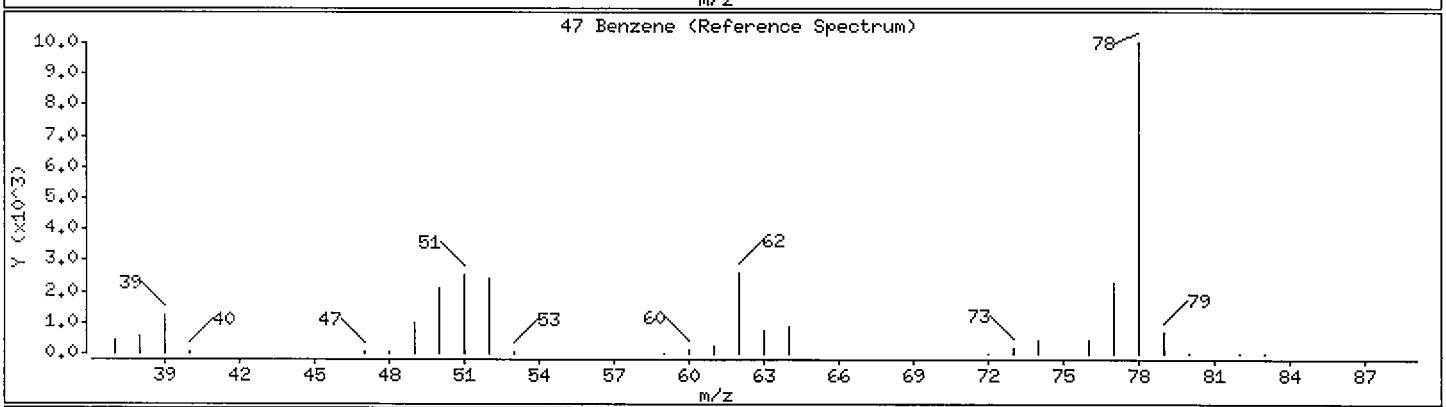
Purge Volume: 5.0 Operator: 2481

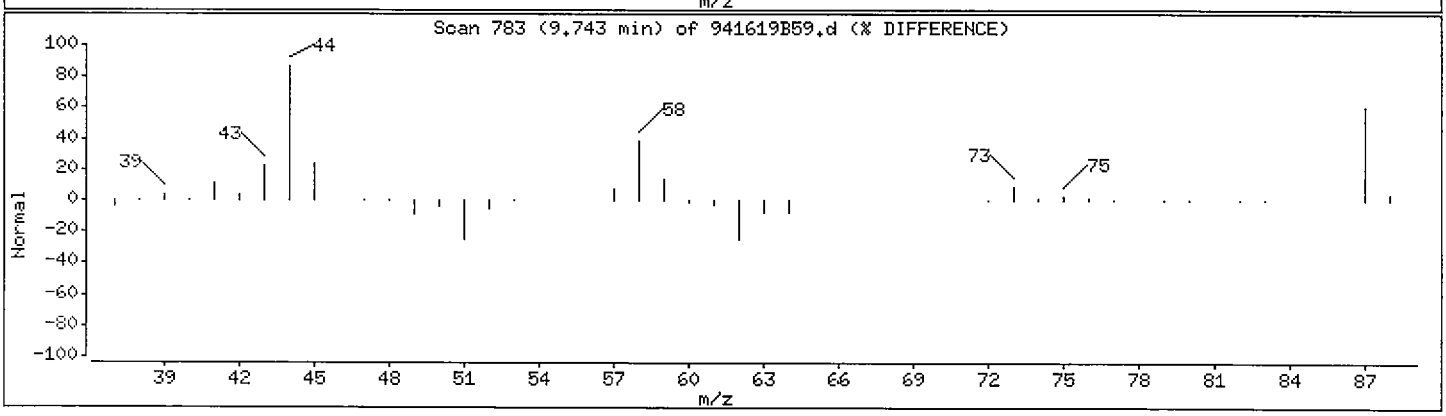
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 3.5 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

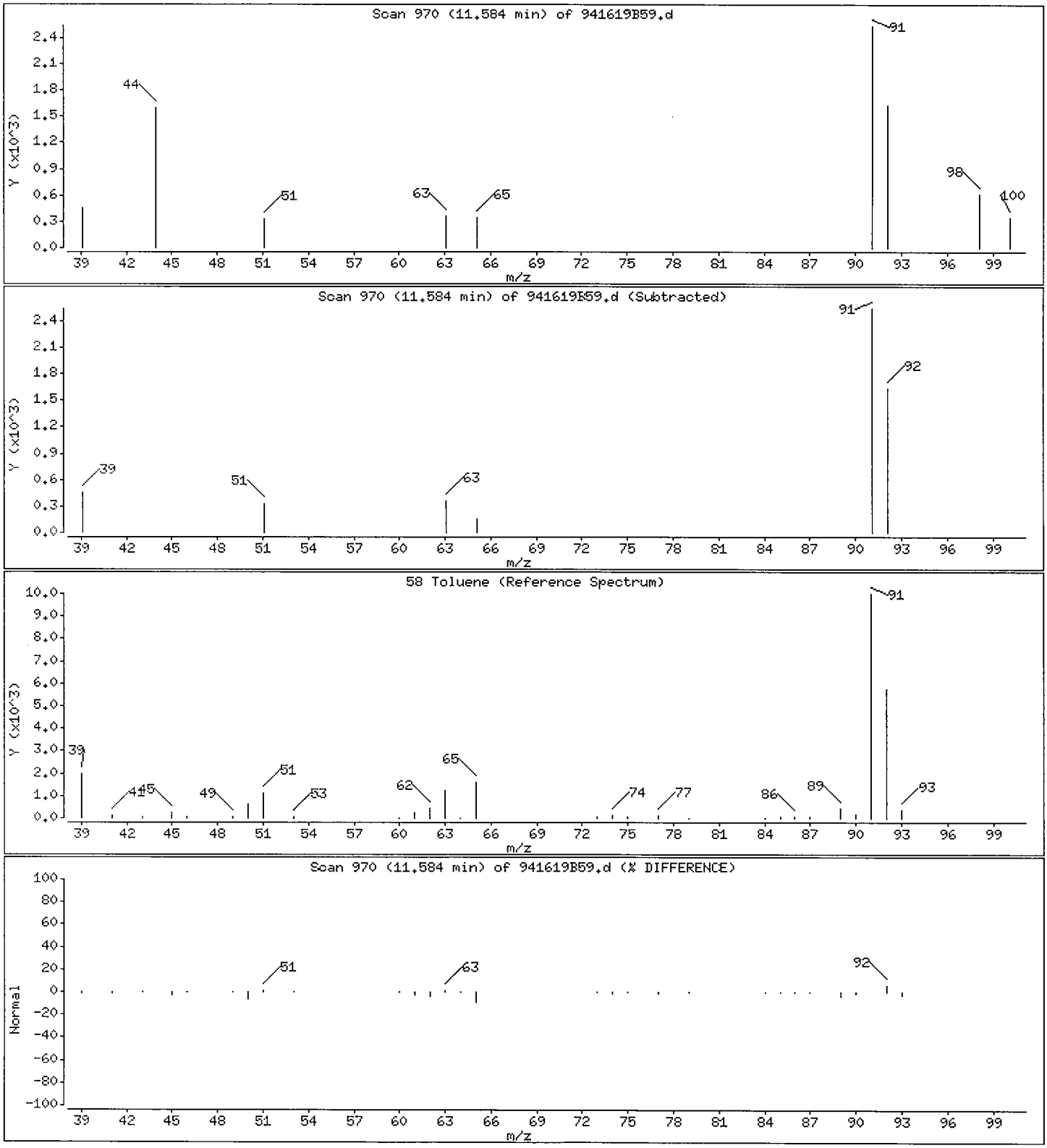
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

Sample Info: 941619:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

58 Toluene Concentration: 0.93 ug/L



Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941619B59.d
Lab Smp Id: 941619 Client Smp ID: ACSGWDUP03-27
Inj Date : 25-MAR-2006 08:51
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941619:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.979	914046	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy-				CAS #: 109-87-5			
6.848	288649	78.9480819	16	86	NBS129K.l	108386	1
Unknown				CAS #:			
7.547	256130	70.0539702	14	0		0	1
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
8.679	373097	102.045475	20	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d
Report Date: 27-Mar-2006 05:02

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
8.985	130604	35.7213846	7.1	0		0	1
Furan, tetrahydro-					CAS #: 109-99-9		
9.181	1634042	446.925463	89	91	NBS129K.l	108257	1
1,4-Dioxane					CAS #: 123-91-1		
10.658	412019	112.690869	23	91	NBS129K.l	108820	1

Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

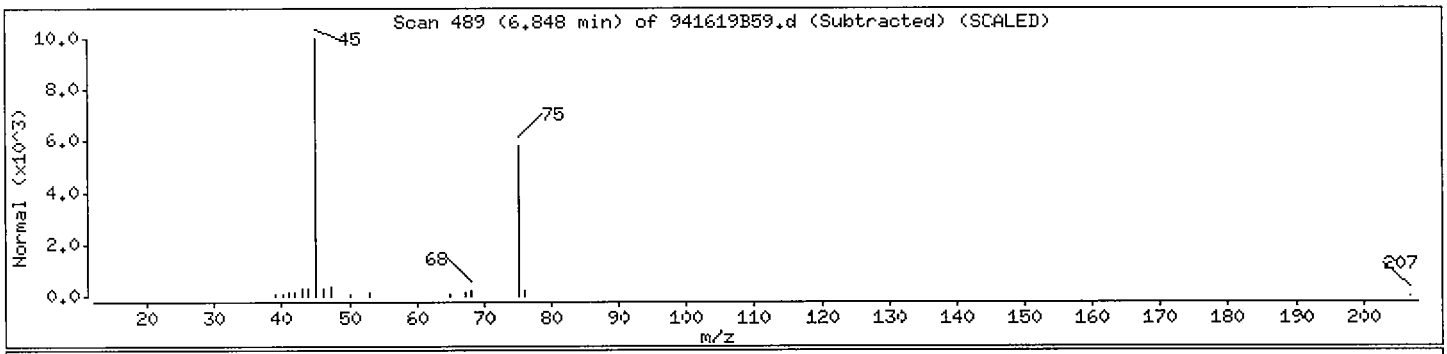
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

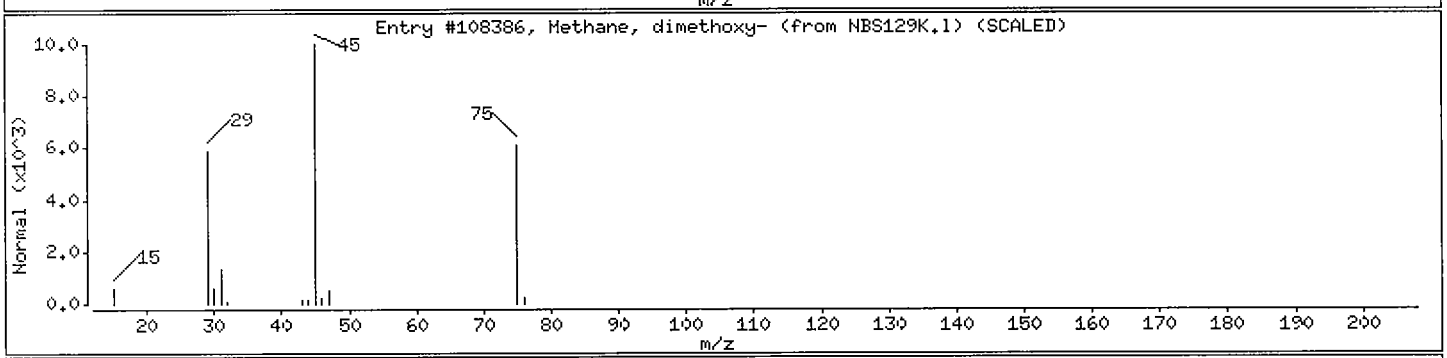
Sample Info: 941619:2481

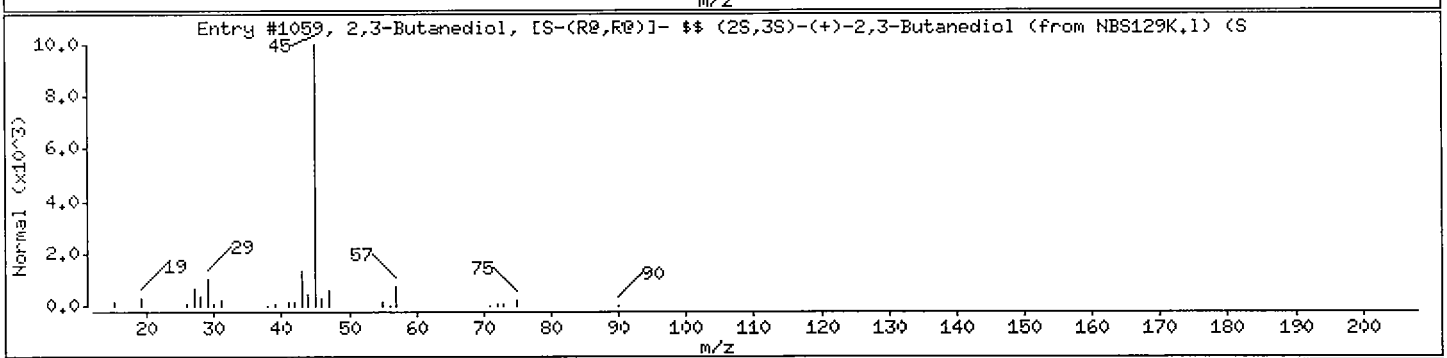
Purge Volume: 5.0 Operator: 2481

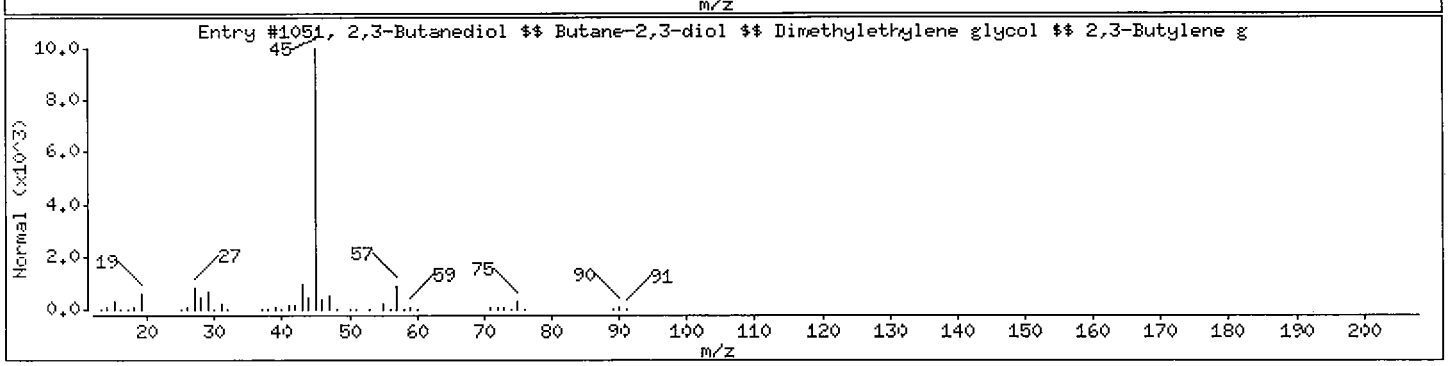
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy-	109-87-5	NBS129K.l	108386	86	C3H8O2	76
2,3-Butanediol, [S-(R@,R@)]- $$ (2S,3S)-	19132-06-0	NBS129K.l	1059	9	C4H10O2	90
2,3-Butanediol $$ Butane-2,3-diol $$ Dim	513-85-9	NBS129K.l	1051	9	C4H10O2	90









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

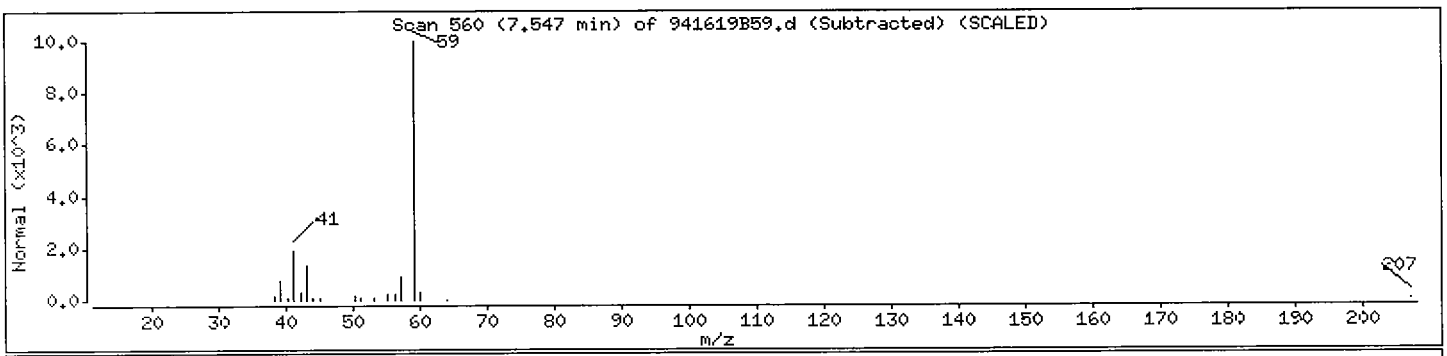
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

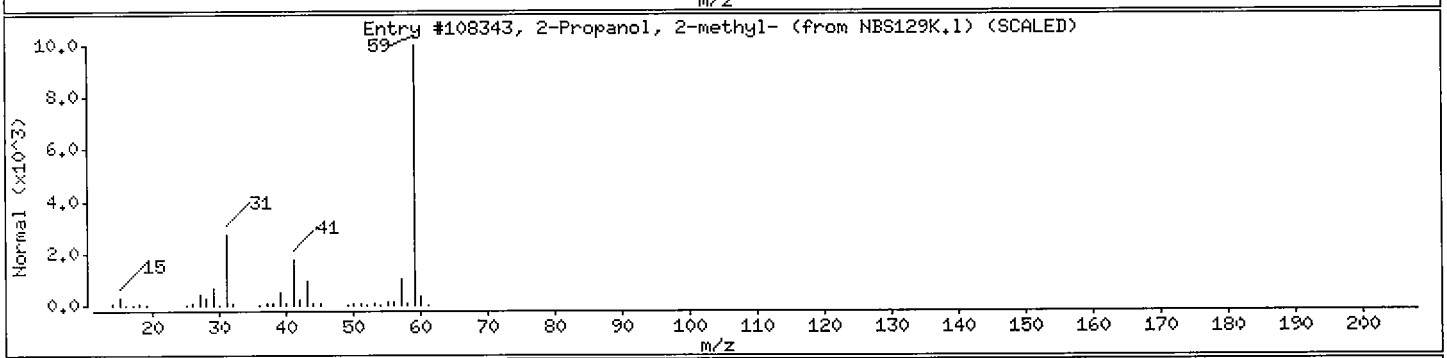
Sample Info: 941619:2481

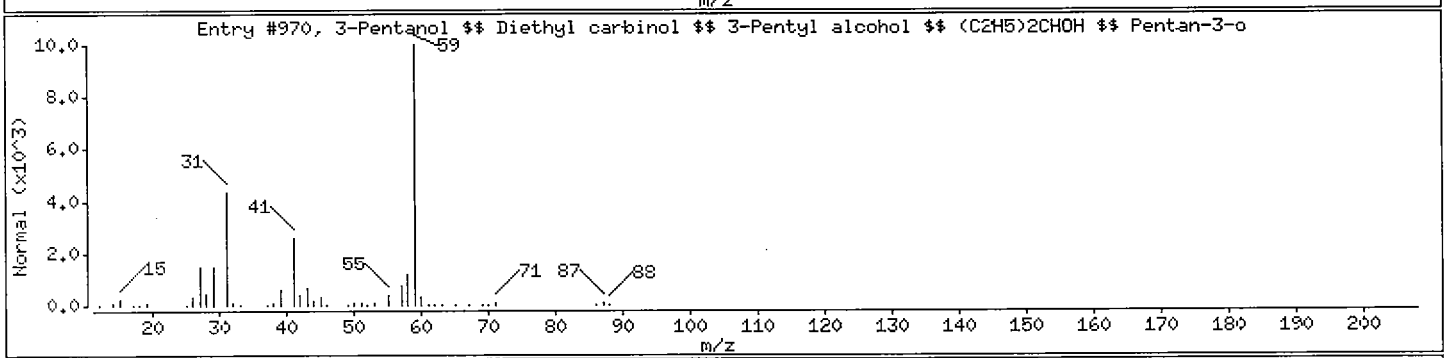
Purge Volume: 5.0 Operator: 2481

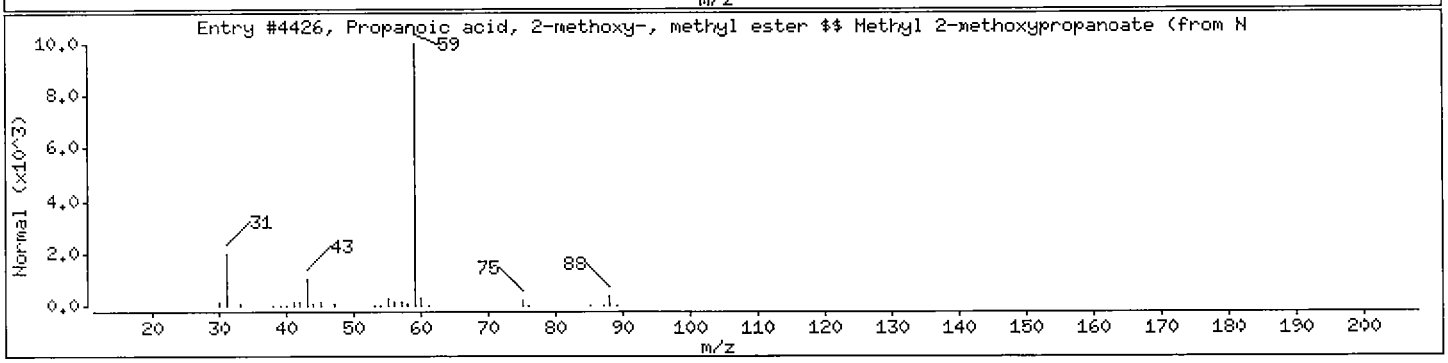
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108343	83	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	9	C5H12O	88
Propanoic acid, 2-methoxy-, methyl ester	17639-76-8	NBS129K.l	4426	9	C5H10O3	118









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

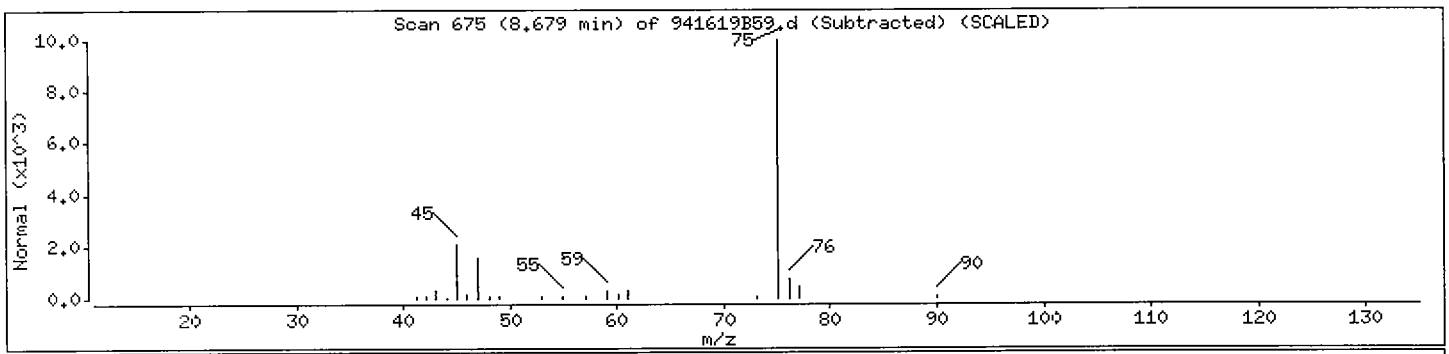
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

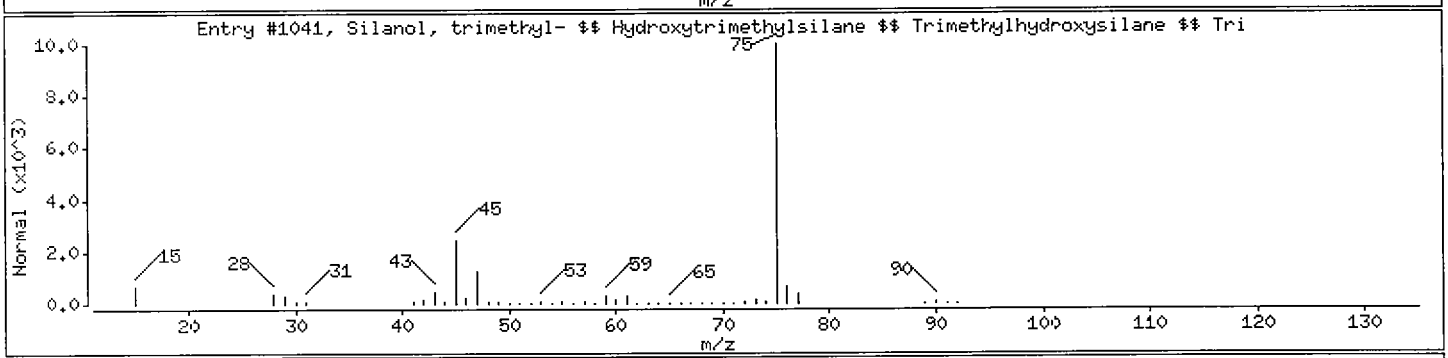
Sample Info: 941619:2481

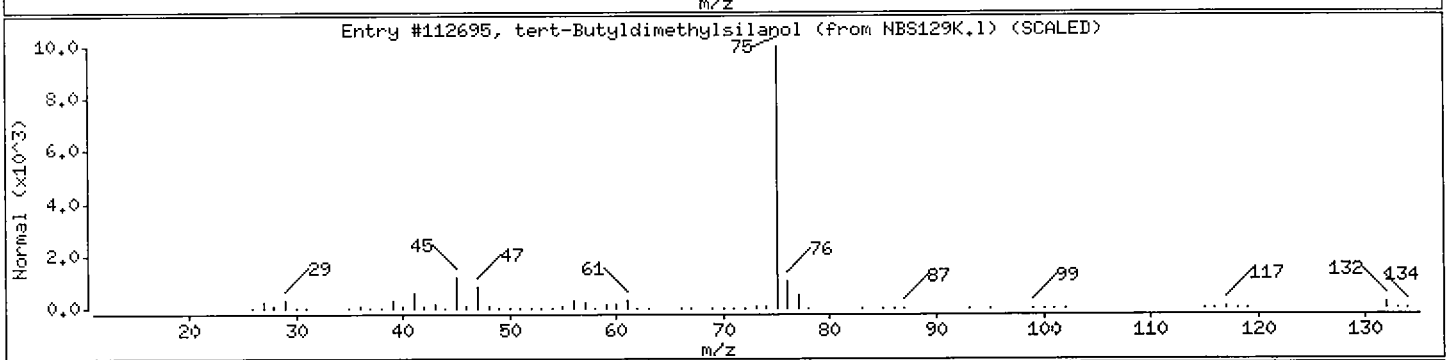
Purge Volume: 5.0 Operator: 2481

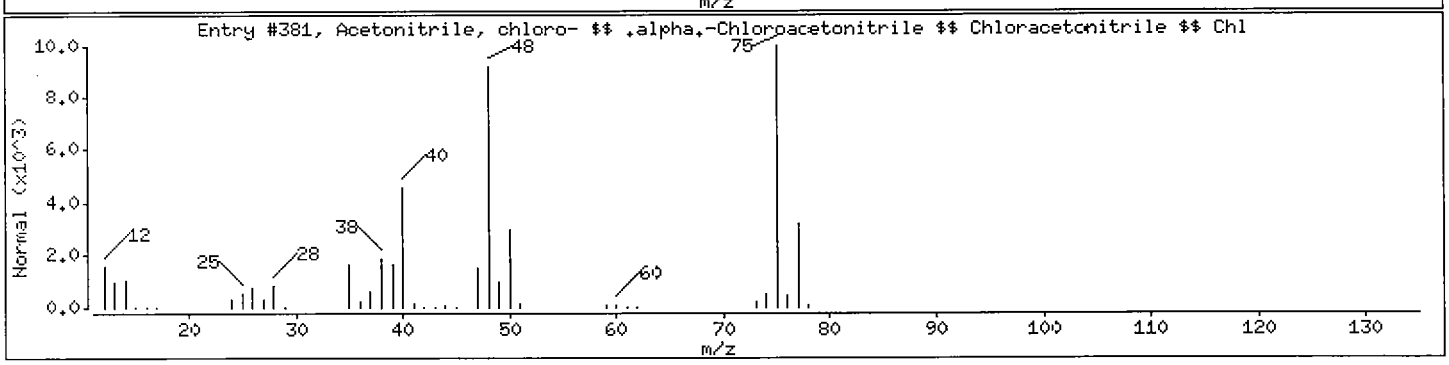
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

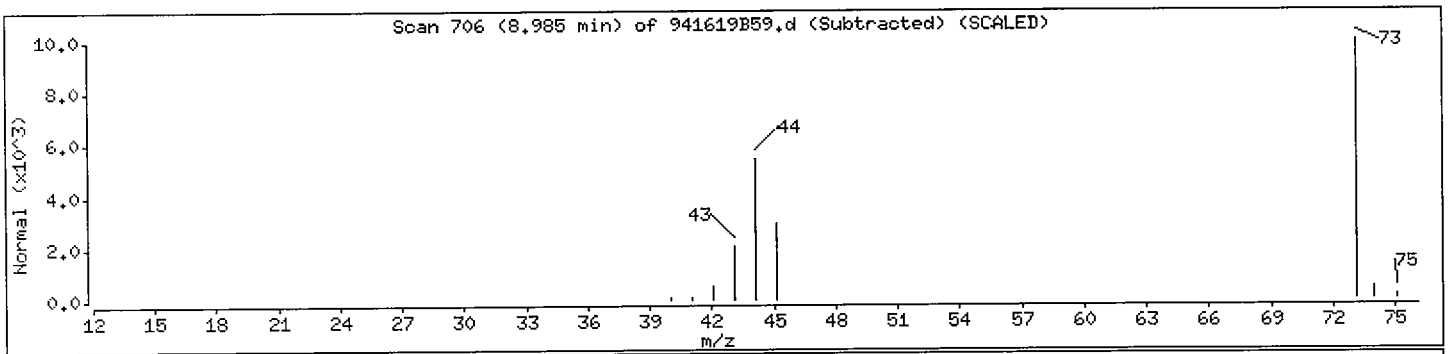
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

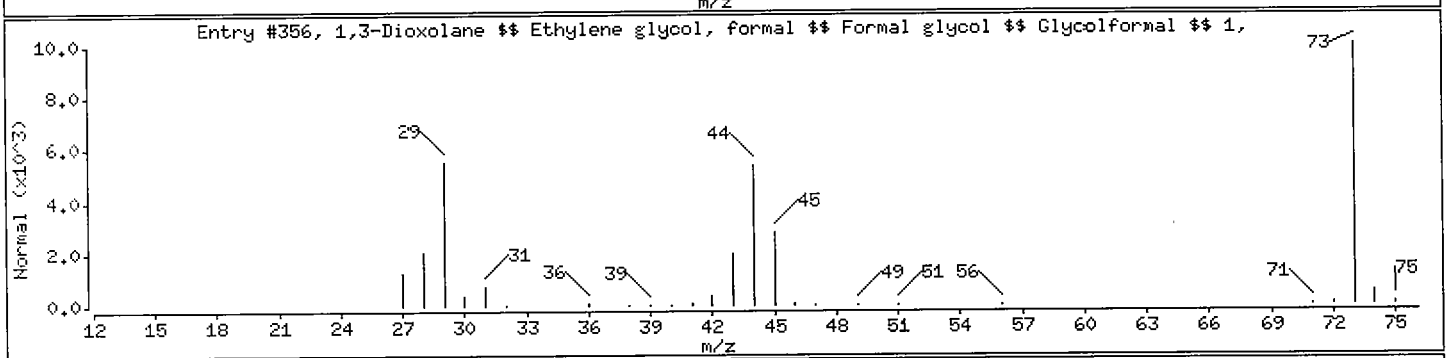
Sample Info: 941619:2481

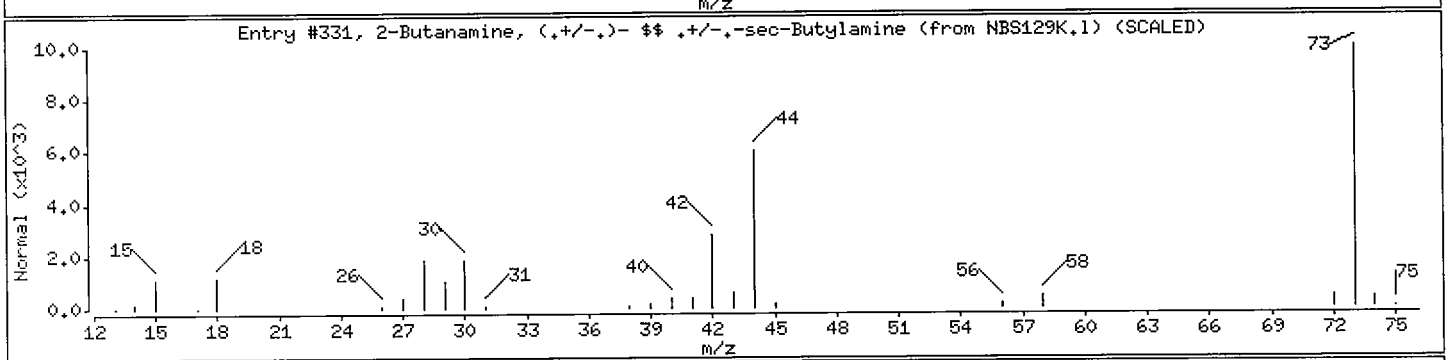
Purge Volume: 5.0 Operator: 2481

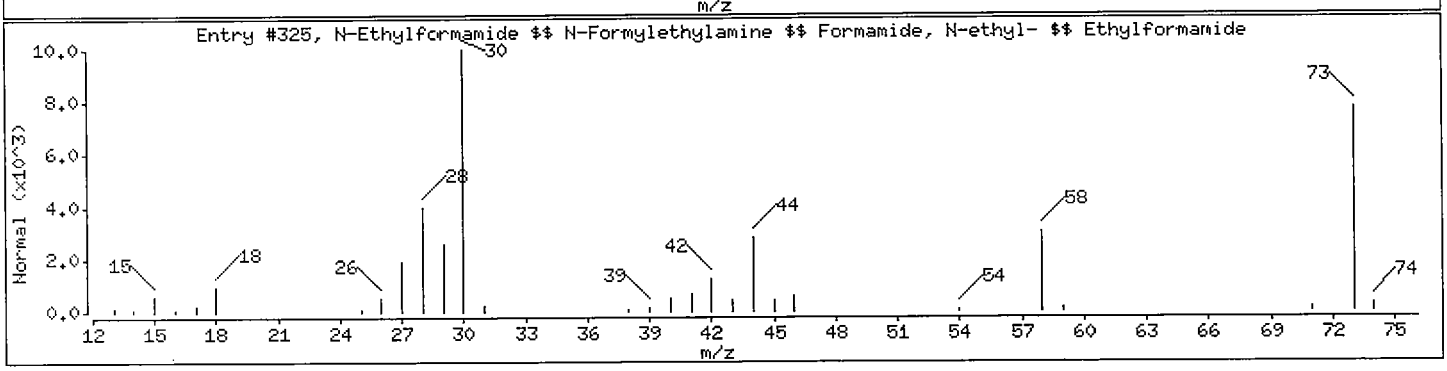
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,3-Dioxolane $$ Ethylene glycol, formal	646-06-0	NBS129K.l	356	83	C3H6O2	74
2-Butanamine, (.+/-.)- $$.+/-.-sec-Buty	33966-50-6	NBS129K.l	331	7	C4H11N	73
N-Ethylformamide $$ N-Formylethylamine $	627-45-2	NBS129K.l	325	5	C3H7NO	73









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

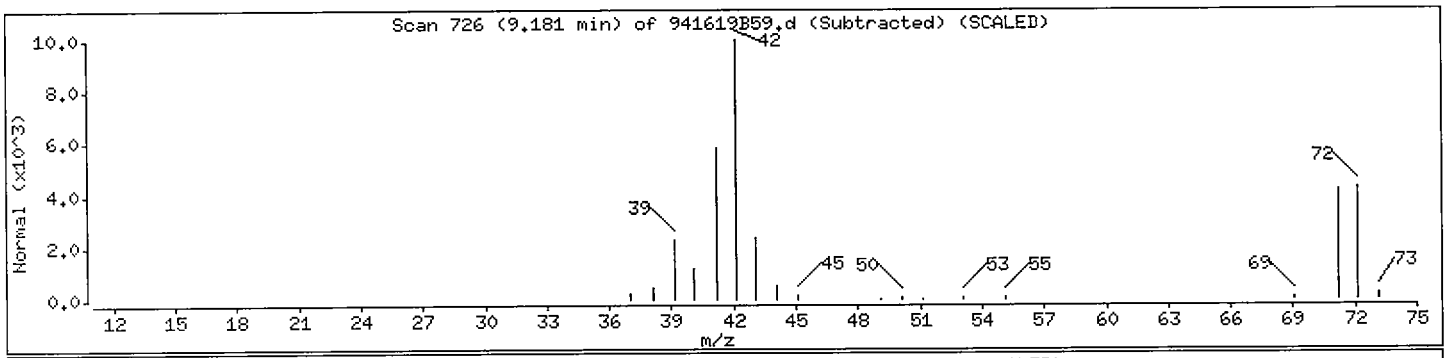
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

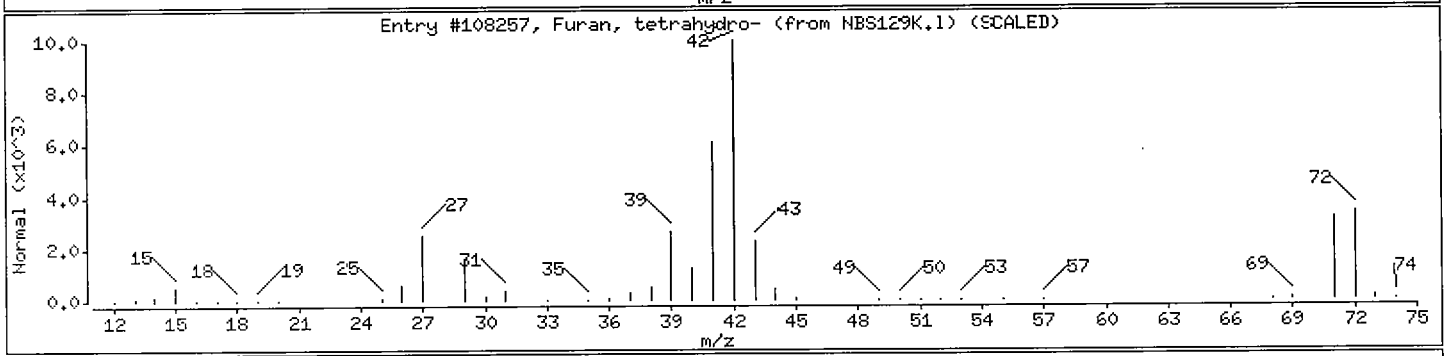
Sample Info: 941619:2481

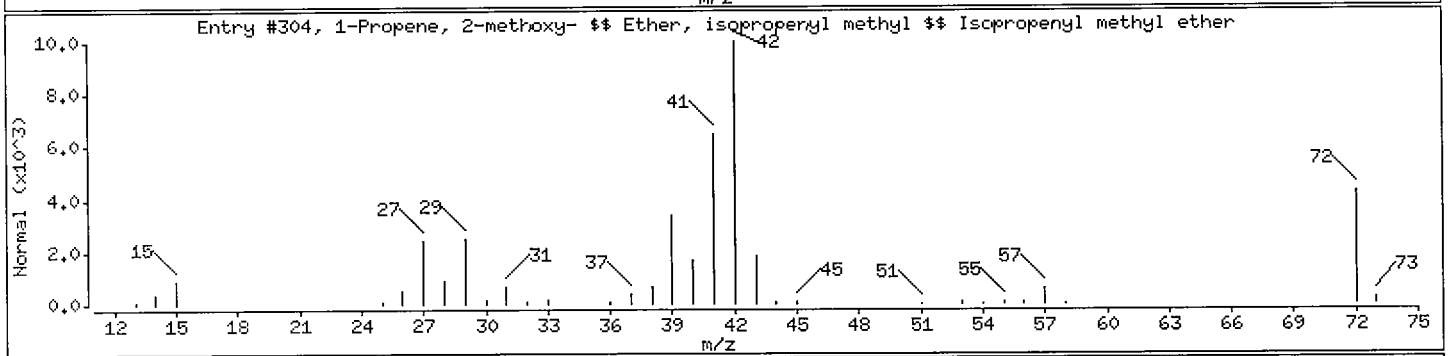
Purge Volume: 5.0 Operator: 2481

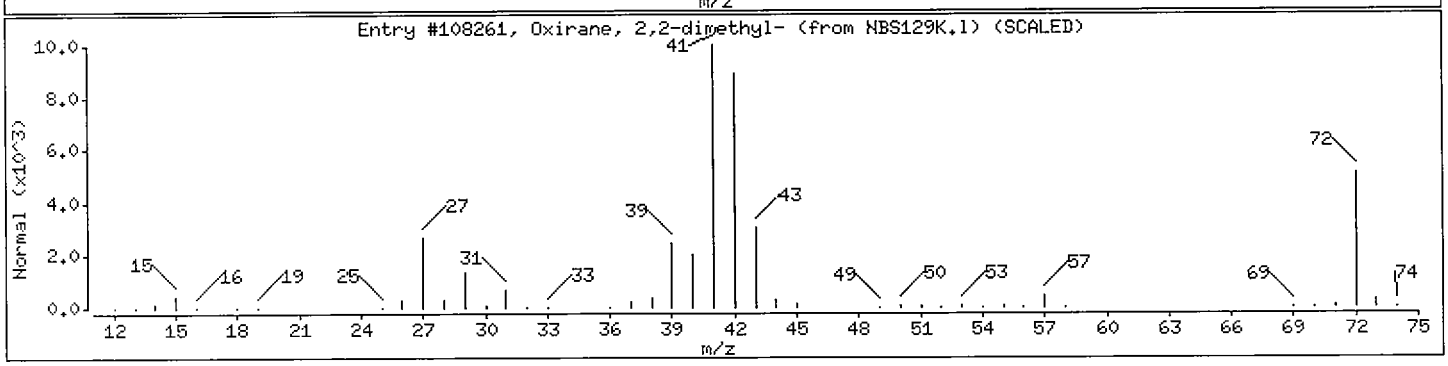
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
1-Propene, 2-methoxy- $$ Ether, isoprope	116-11-0	NBS129K.l	304	53	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	46	C4H8O	72









Data File: /chem/5972hp59.i/DF060324B59.b/941619B59.d

Date : 25-MAR-2006 08:51

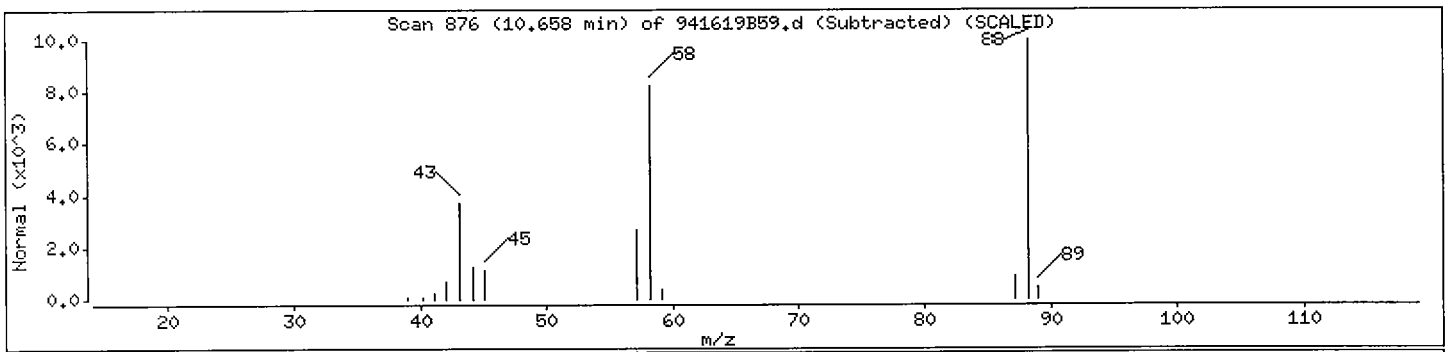
Client ID: ACSGWDUP03-27 Instrument: 5972hp59.i

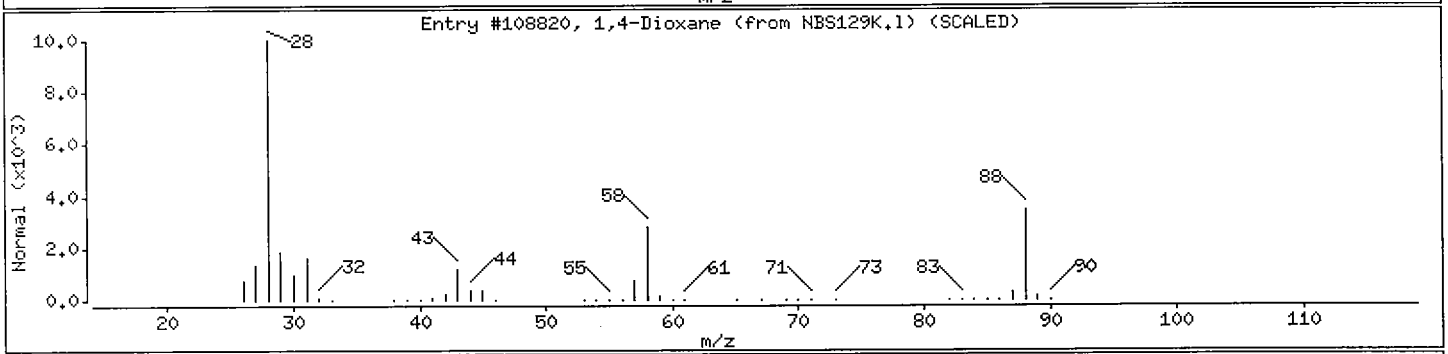
Sample Info: 941619:2481

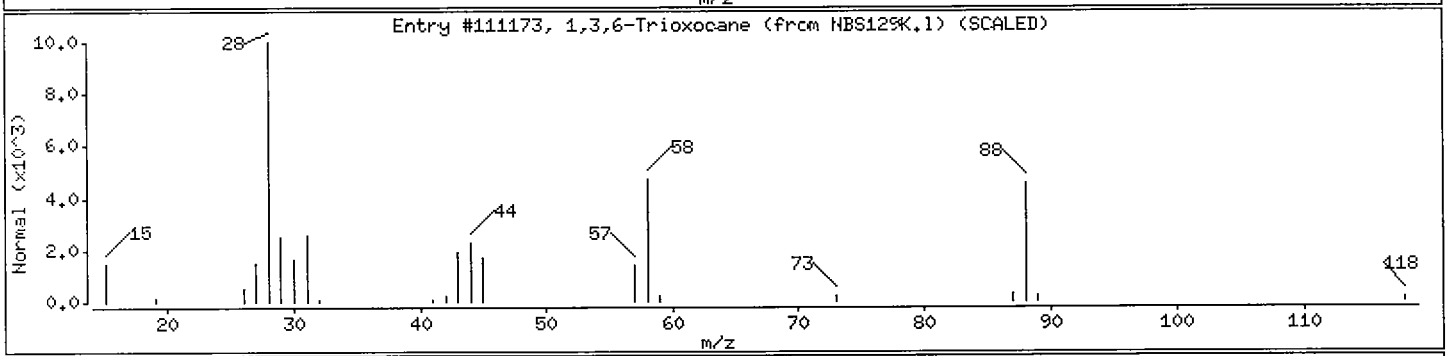
Purge Volume: 5.0 Operator: 2481

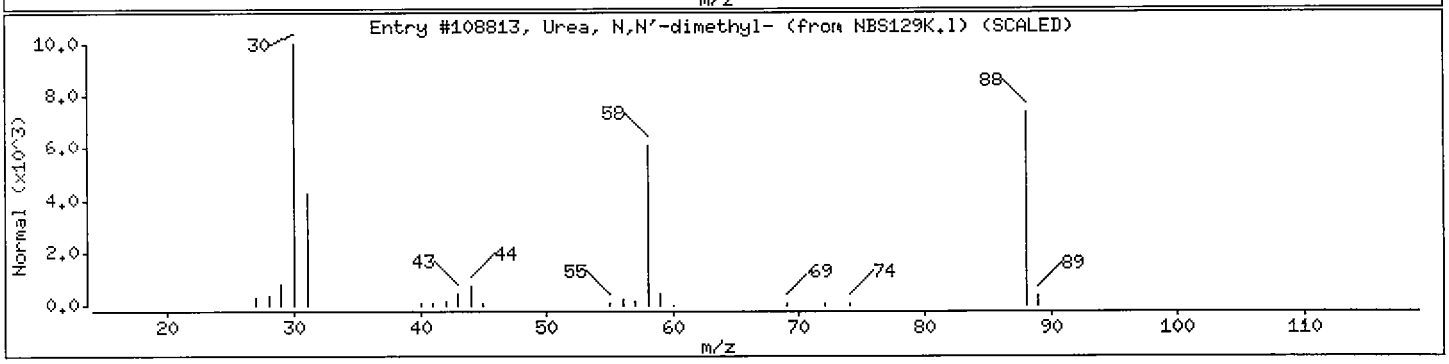
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
1,3,6-Trioxocane	1779-19-7	NBS129K.l	111173	43	C5H10O3	118
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

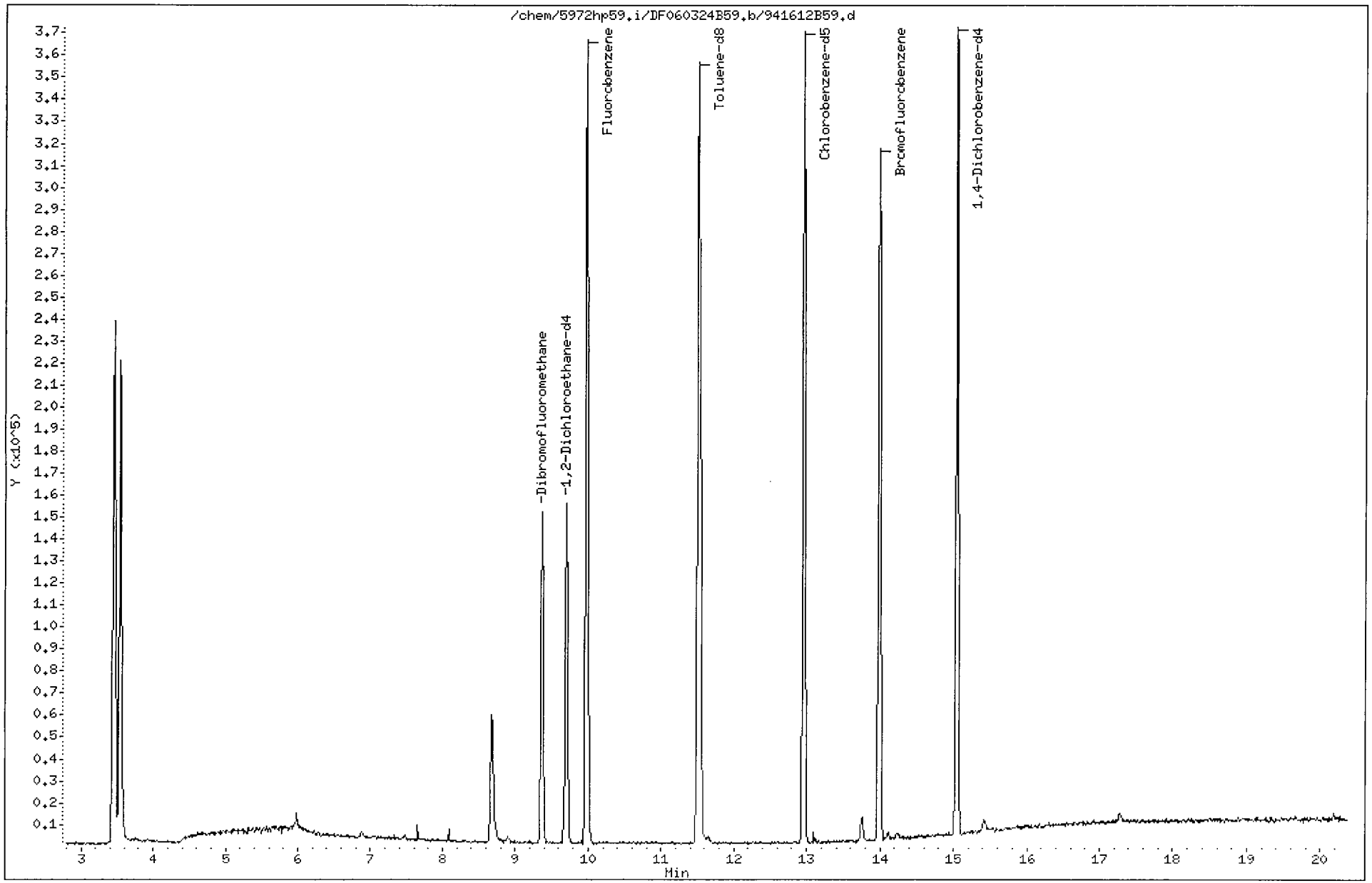
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941612B59.d
Date : 25-MAR-2006 05:30
Client ID: ACSGWEB01-27
Sample Info: 941612:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941612B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941612B59.d
Lab Smp Id: 941612 Client Smp ID: ACSGWEB01-27
Inj Date : 25-MAR-2006 05:30
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941612:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.981	9.980	(1.000)	408569	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.963	(1.000)	257124	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.052	15.040	(1.000)	120179	250.000	
$ 4 Dibromofluoromethane	113	9.371	9.360	(0.939)	116496	220.814	44
$ 5 1,2-Dichloroethane-d4	65	9.706	9.694	(0.972)	138869	251.229	50
$ 6 Toluene-d8	98	11.517	11.516	(0.888)	357146	231.701	46
$ 7 Bromofluorobenzene	95	13.988	13.987	(0.929)	149693	235.904	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941612B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941612B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941612B59.d
Lab Smp Id: 941612 Client Smp ID: ACSGWEB01-27
Inj Date : 25-MAR-2006 05:30
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941612:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.981	898266	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.682	182324	50.7433081	10	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941612B59.d

Date : 25-MAR-2006 05:30

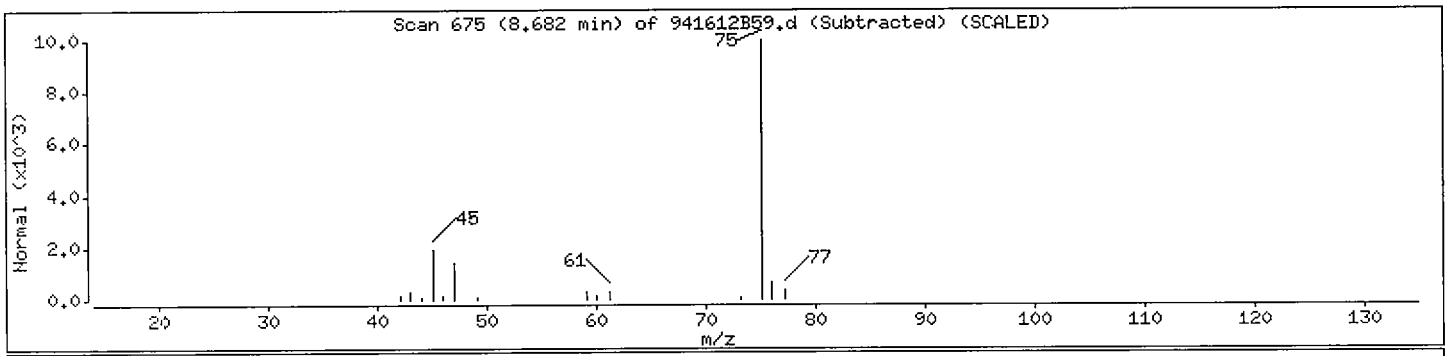
Client ID: ACSGWEB01-27 Instrument: 5972hp59.i

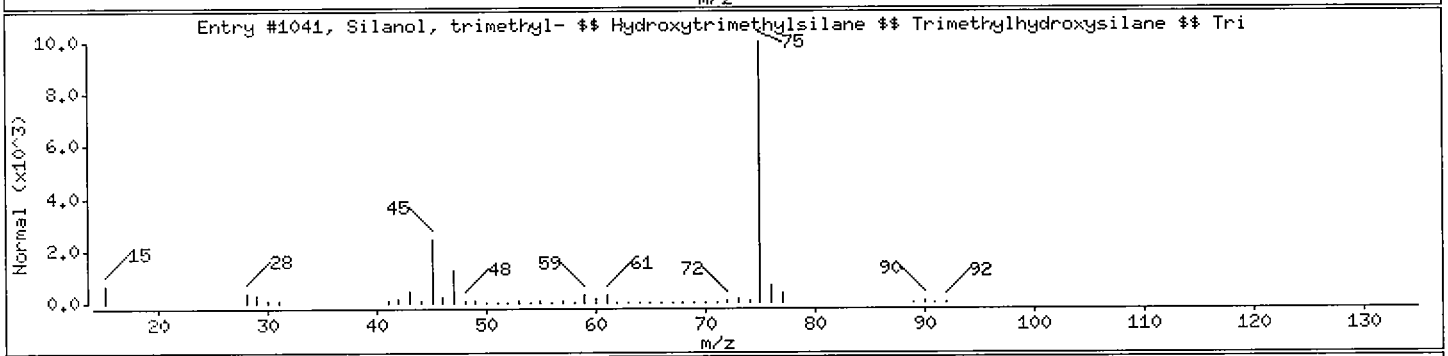
Sample Info: 941612:2481

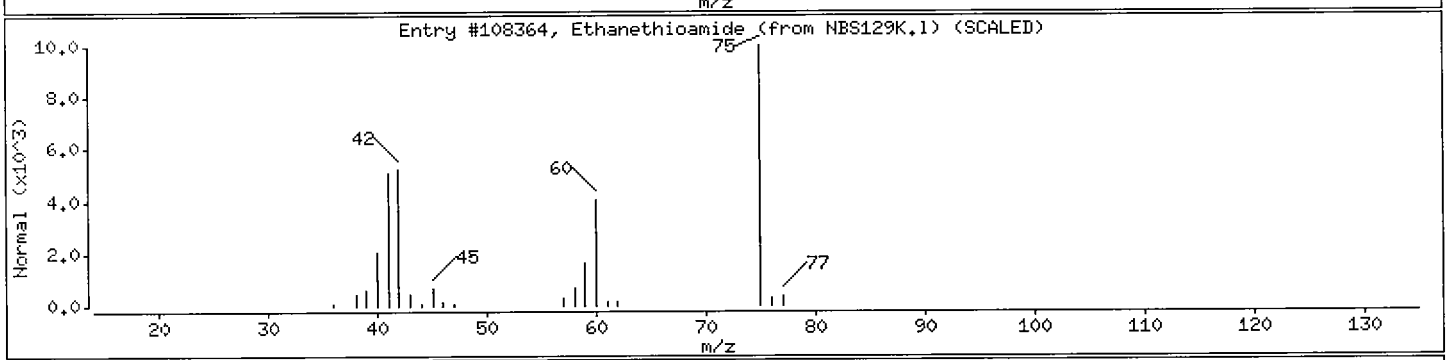
Purge Volume: 5.0 Operator: 2481

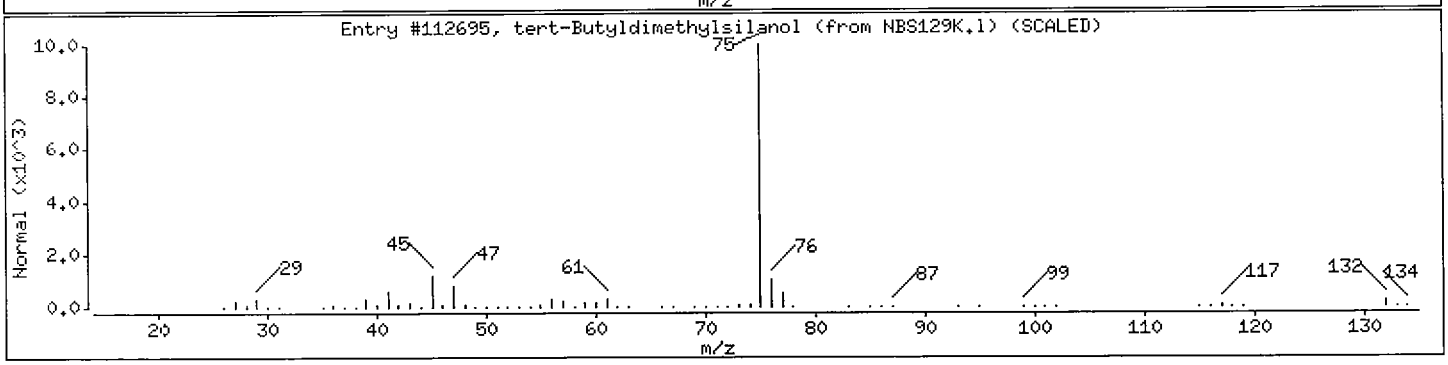
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Ethanethioamide	62-55-5	NBS129K.l	108364	9	C2H5NS	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	11	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.5	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACSGWLA14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

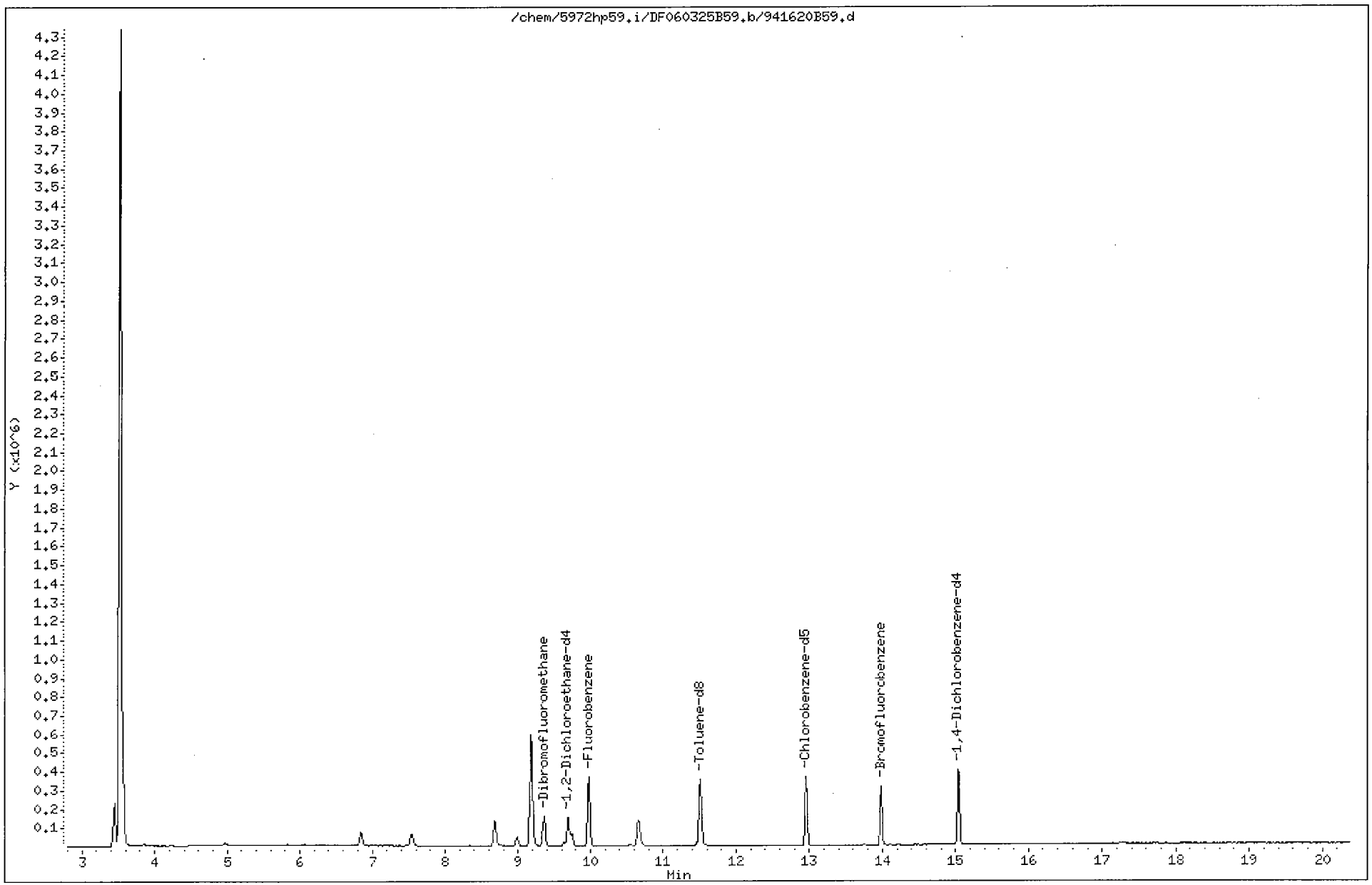
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	15	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	23	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	83	NJ
5.	123-91-1	1,4-DIOXANE	10.66	23	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d
Date : 26-MAR-2006 01:20
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i
Sample Info: 941620:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941620B59.d
Lab Smp Id: 941620 Client Smp ID: ACSGWLA14-27
Inj Date : 26-MAR-2006 01:20
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941620:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.976	9.976	(1.000)	412253	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	262339	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	123021	250.000	
$ 4 Dibromofluoromethane	113	9.356	9.356	(0.938)	117766	221.226	44
$ 5 1,2-Dichloroethane-d4	65	9.690	9.690	(0.971)	138330	248.017	50
$ 6 Toluene-d8	98	11.512	11.512	(0.888)	361050	229.577	46
$ 7 Bromofluorobenzene	95	13.983	13.983	(0.929)	148957	229.321	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.865	6.875	(0.688)	8106	54.3749	11(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d
Report Date: 28-Mar-2006 05:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.739	9.740	(0.976)	30476	17.6067	3.5(a)
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

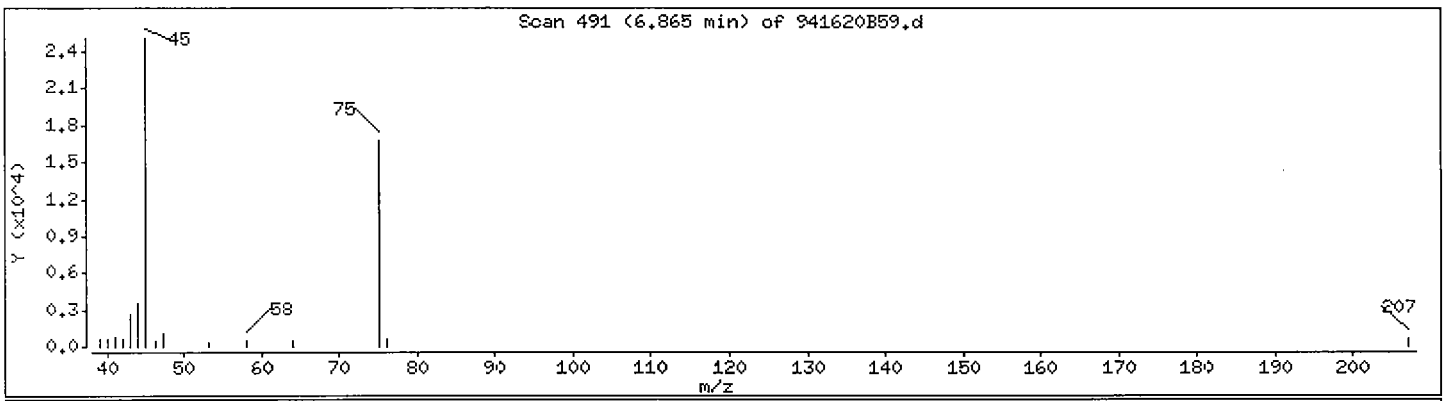
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

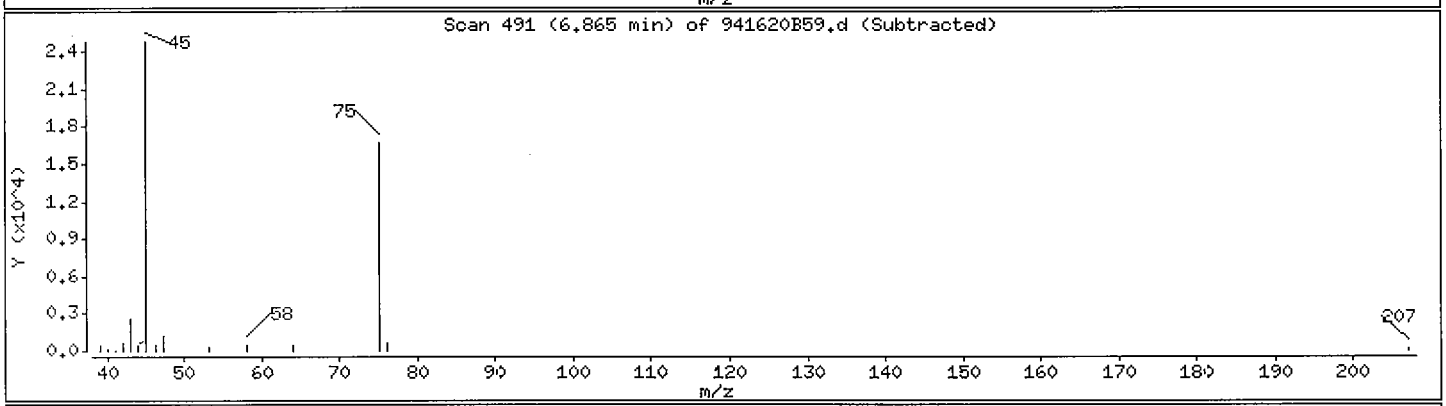
Sample Info: 941620:2481

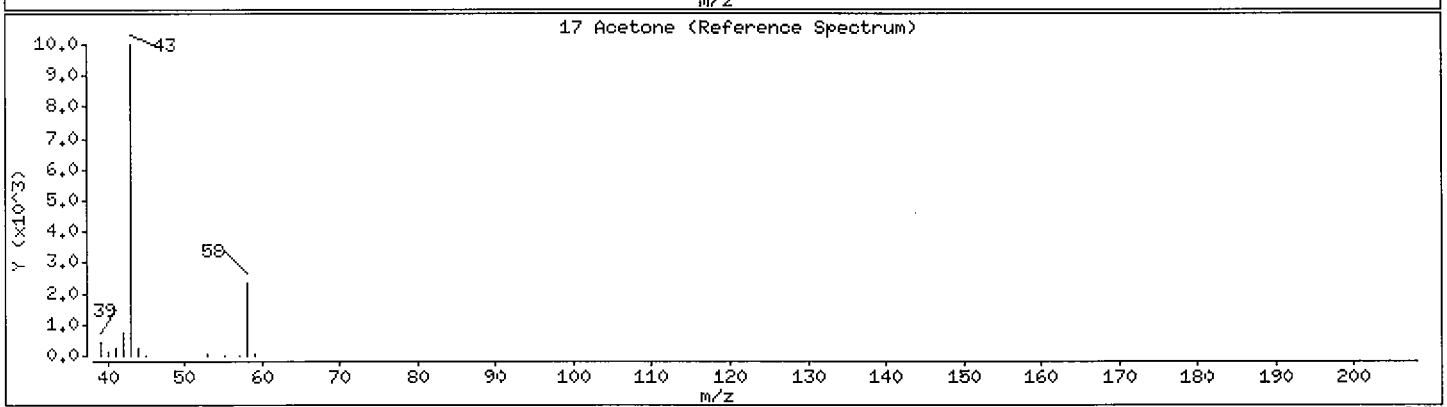
Purge Volume: 5.0 Operator: 2481

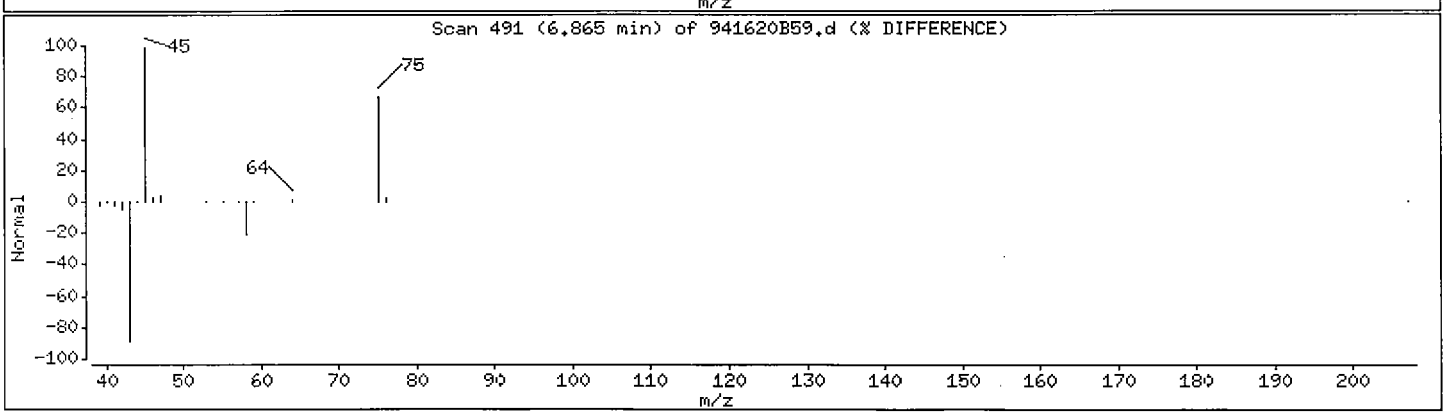
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 11 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

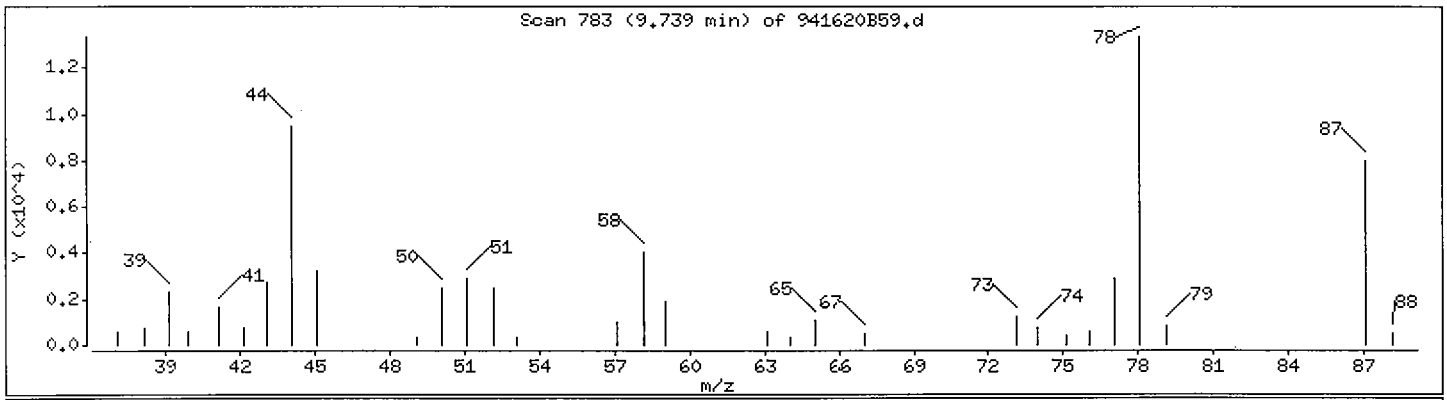
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

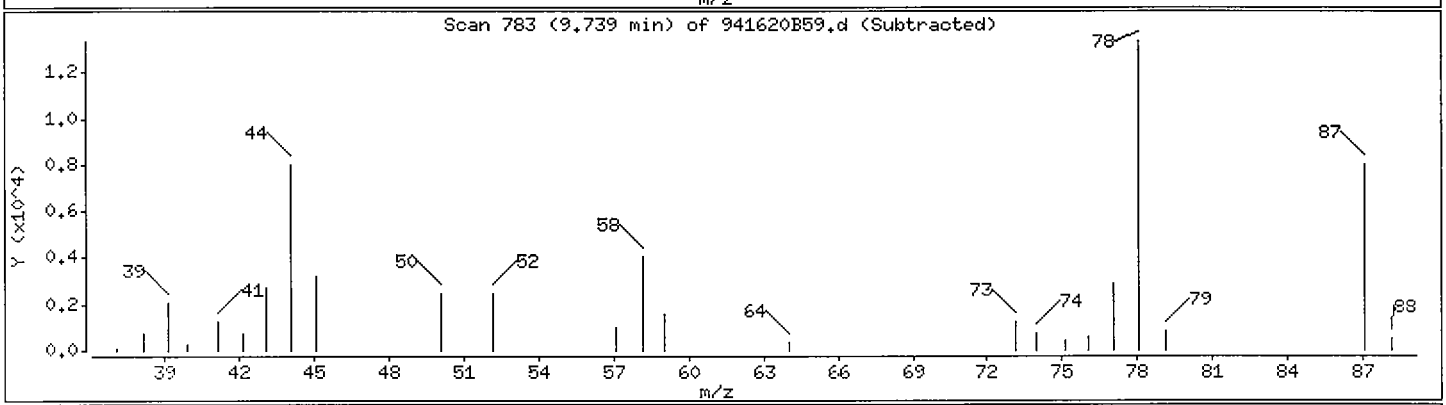
Sample Info: 941620:2481

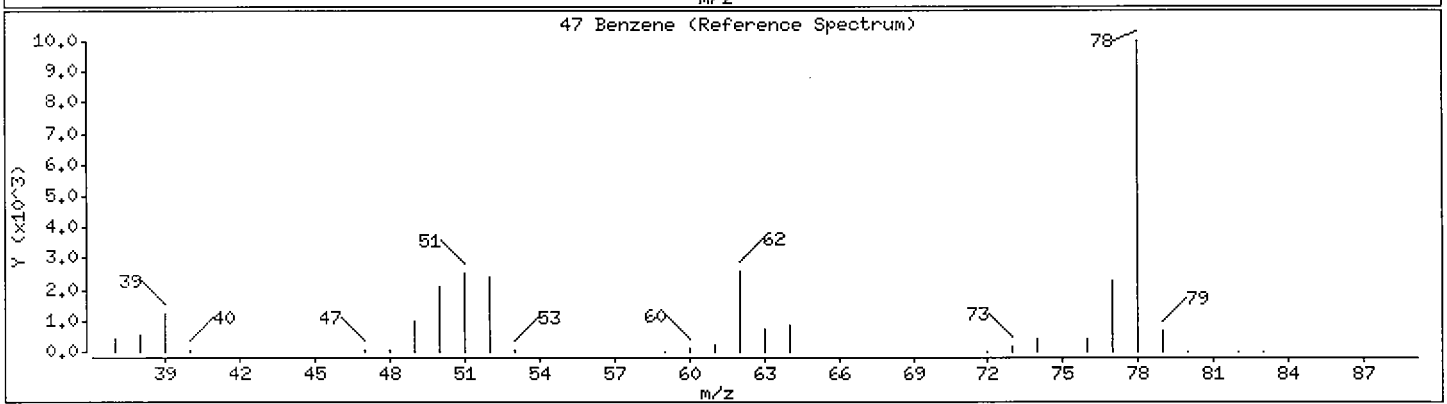
Purge Volume: 5.0 Operator: 2481

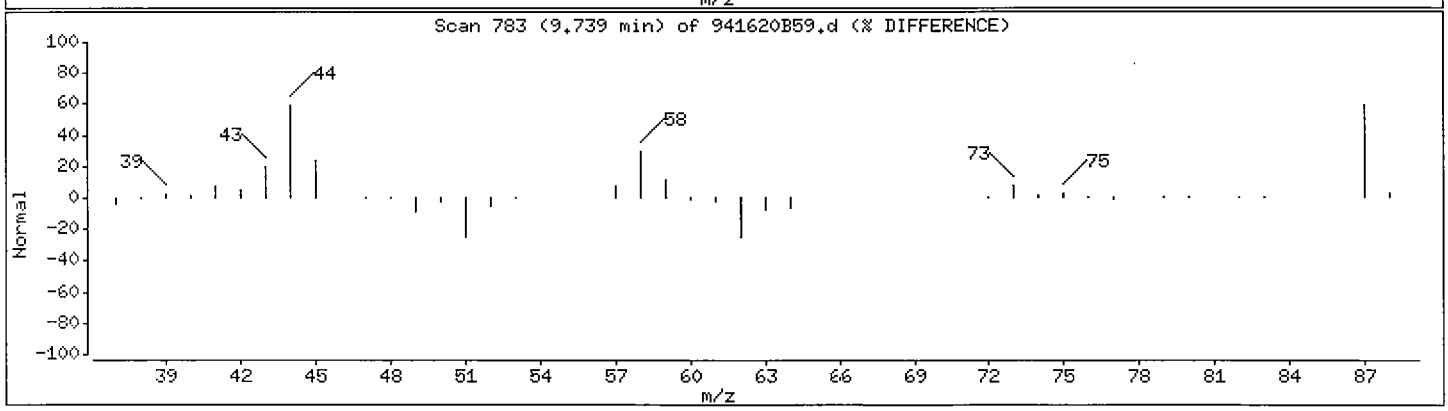
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 3.5 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941620B59.d
Lab Smp Id: 941620 Client Smp ID: ACSGWLA14-27
Inj Date : 26-MAR-2006 01:20
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941620:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.976	906325	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy-				CAS #: 109-87-5			
6.845	297217	81.9840441	16	86	NBS129K.l	108386	1
Unknown				CAS #:			
7.544	275074	75.8762205	15	0		0	1
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
8.676	421392	116.236513	23	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d
Report Date: 28-Mar-2006 05:20

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Furan, tetrahydro-					CAS #: 109-99-9		
9.178	1506462	415.541190	83	91	NBS129K.l	108257	1
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$					CAS #: 123-91-1		
10.655	413568	114.078256	23	91	NBS129K.l	913	1

Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

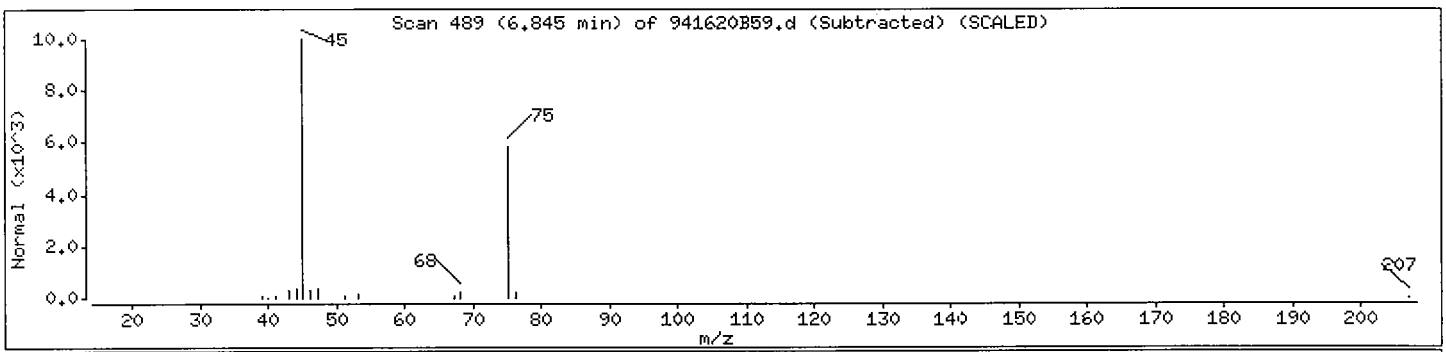
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

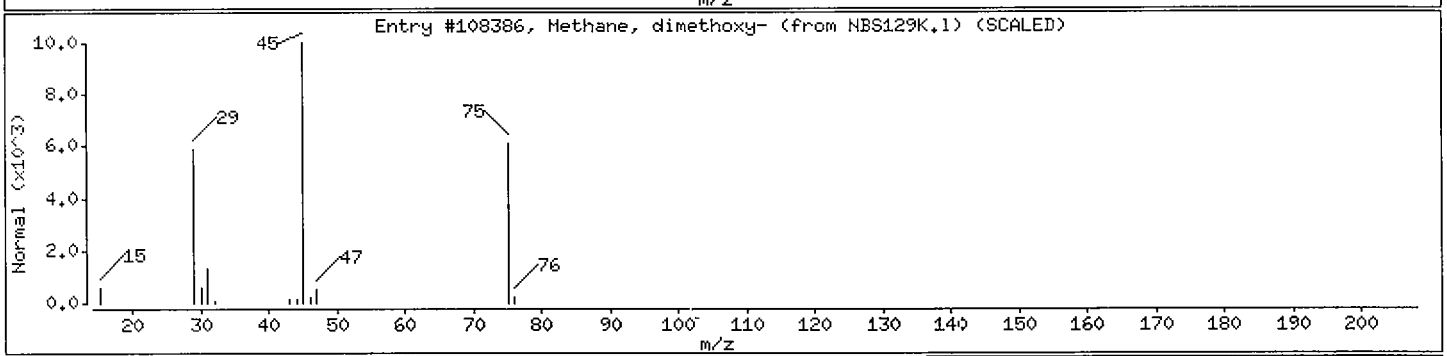
Sample Info: 941620:2481

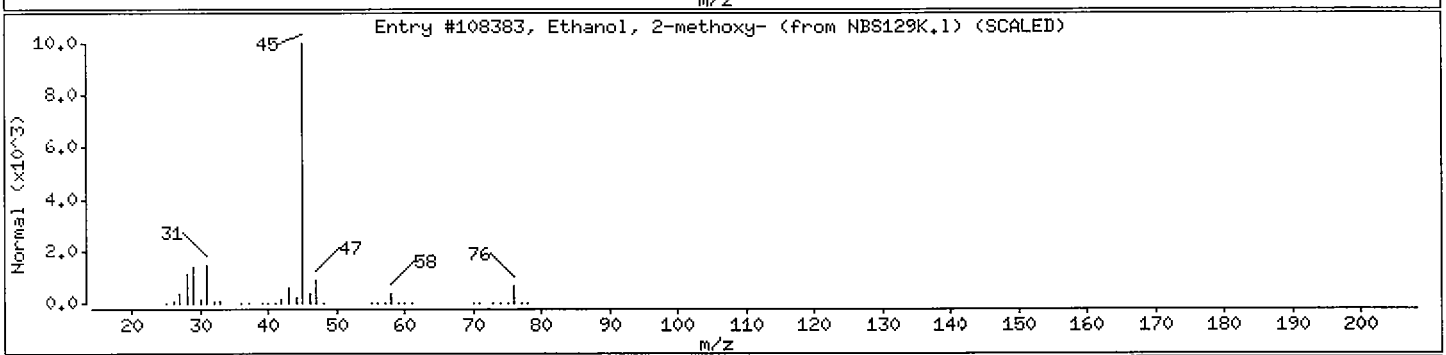
Purge Volume: 5.0 Operator: 2481

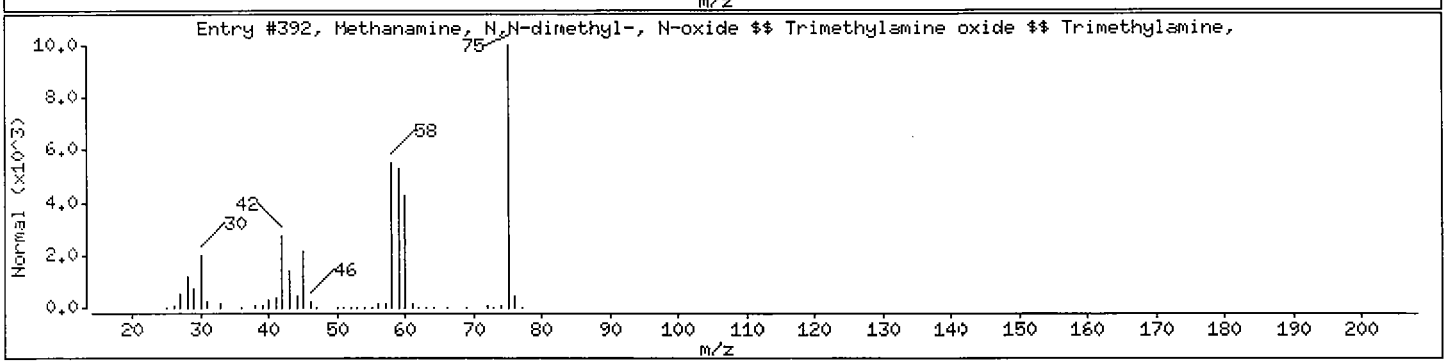
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy-	109-87-5	NBS129K.l	108386	86	C3H8O2	76
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108383	5	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	5	C3H9NO	75









Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

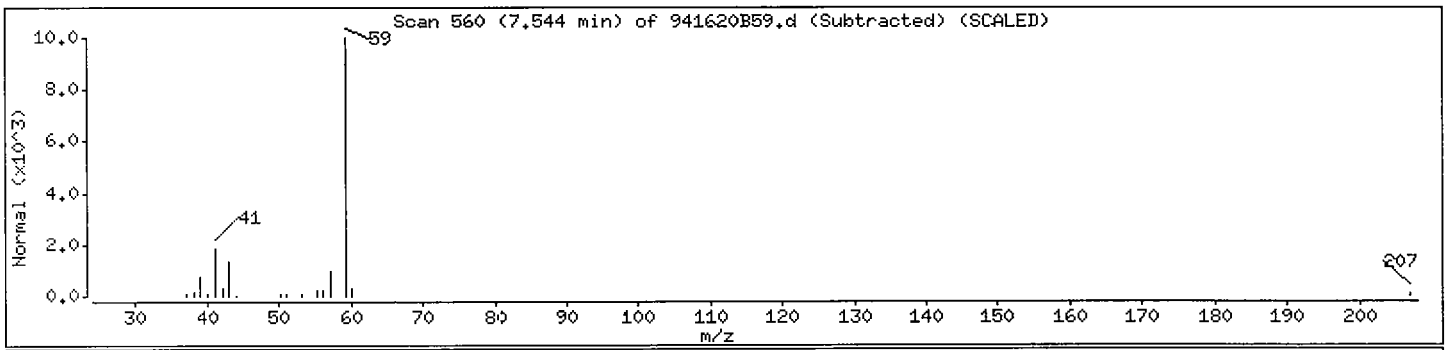
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

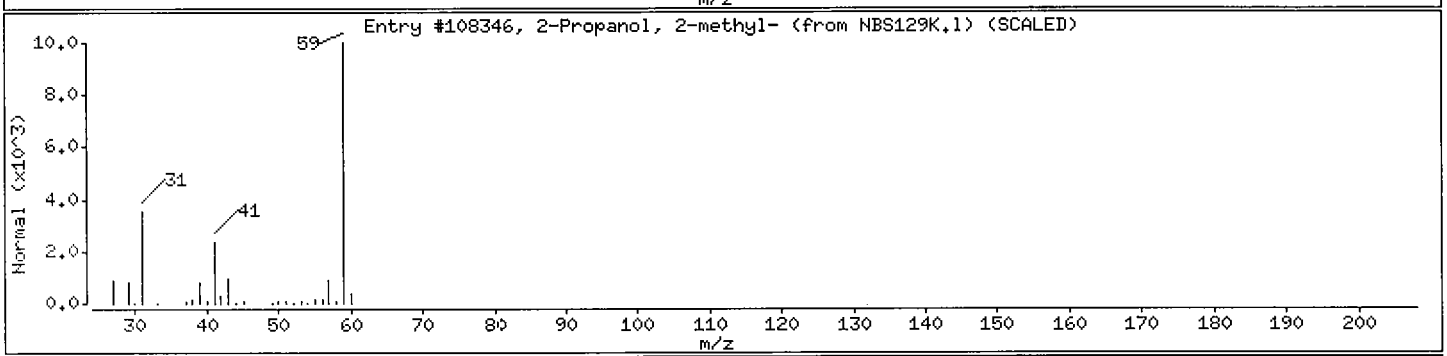
Sample Info: 941620:2481

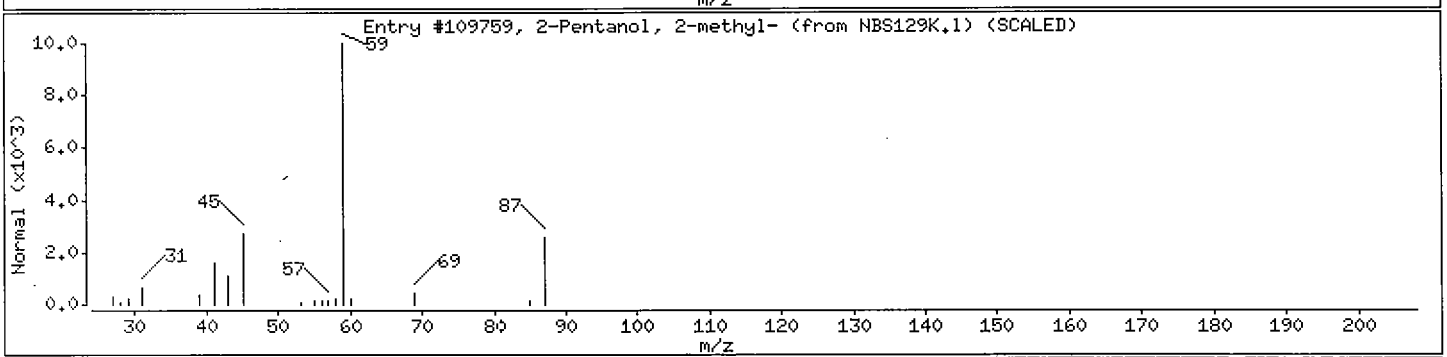
Purge Volume: 5.0 Operator: 2481

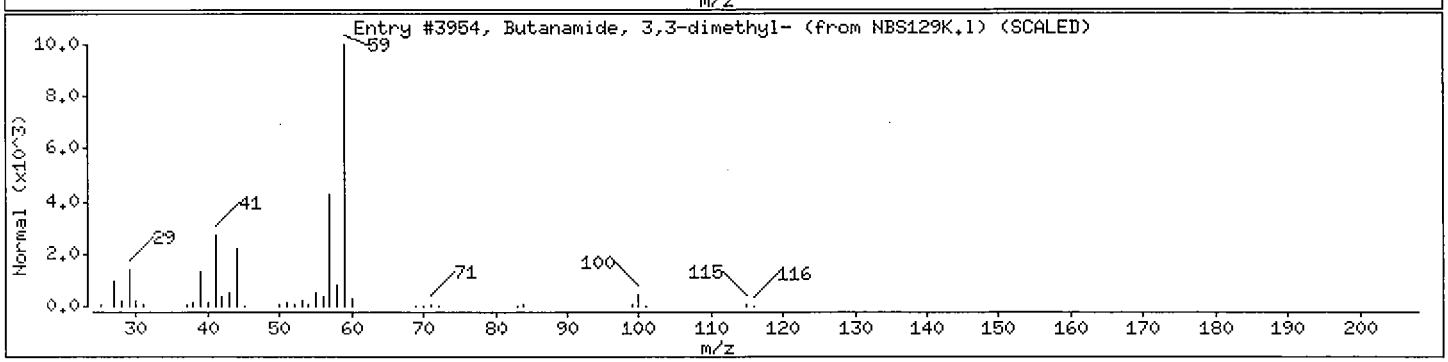
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108346	72	C4H10O	74
2-Pentanol, 2-methyl-	590-36-3	NBS129K.l	109759	40	C6H14O	102
Butanamide, 3,3-dimethyl-	926-04-5	NBS129K.l	3954	9	C6H13NO	115









Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

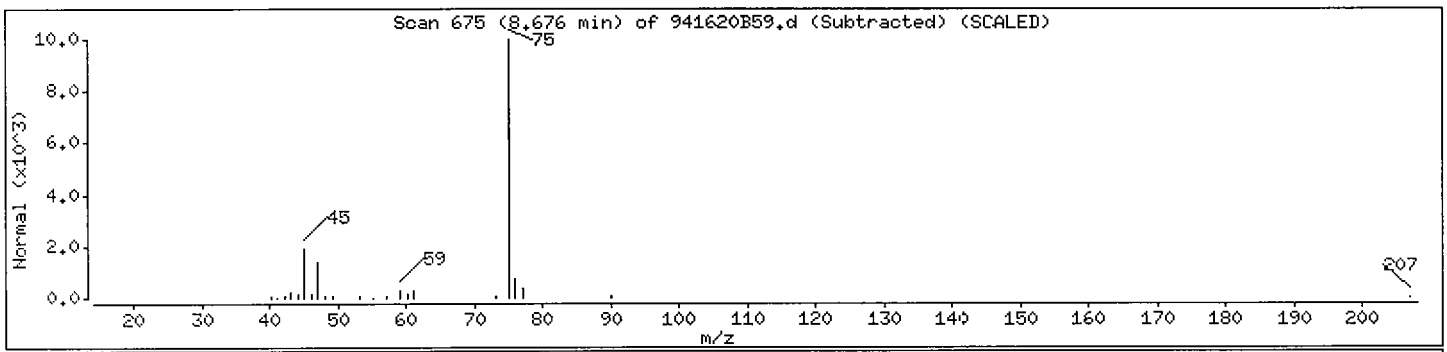
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

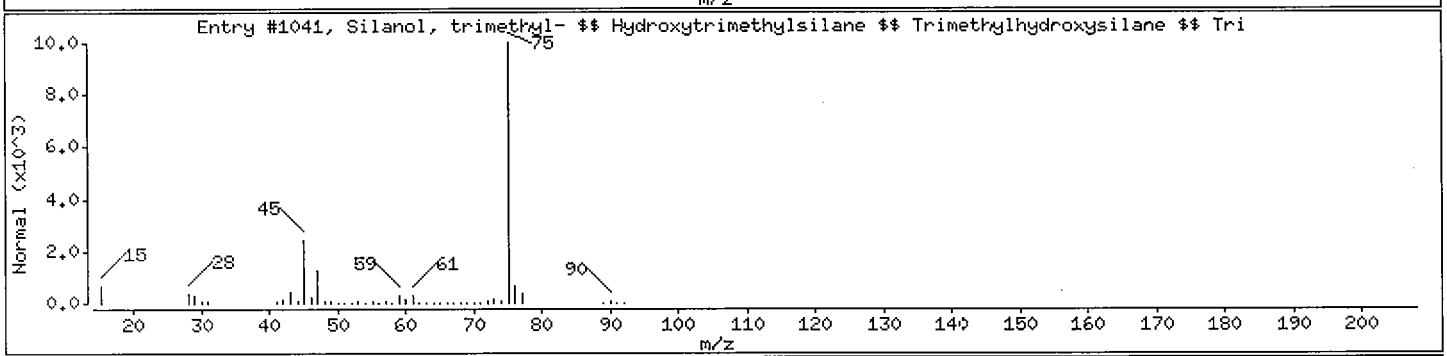
Sample Info: 941620:2481

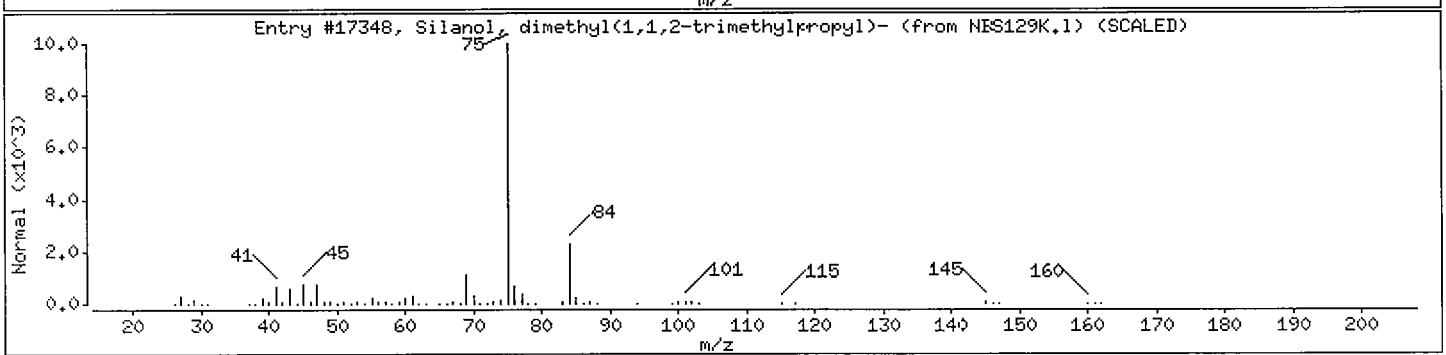
Purge Volume: 5.0 Operator: 2481

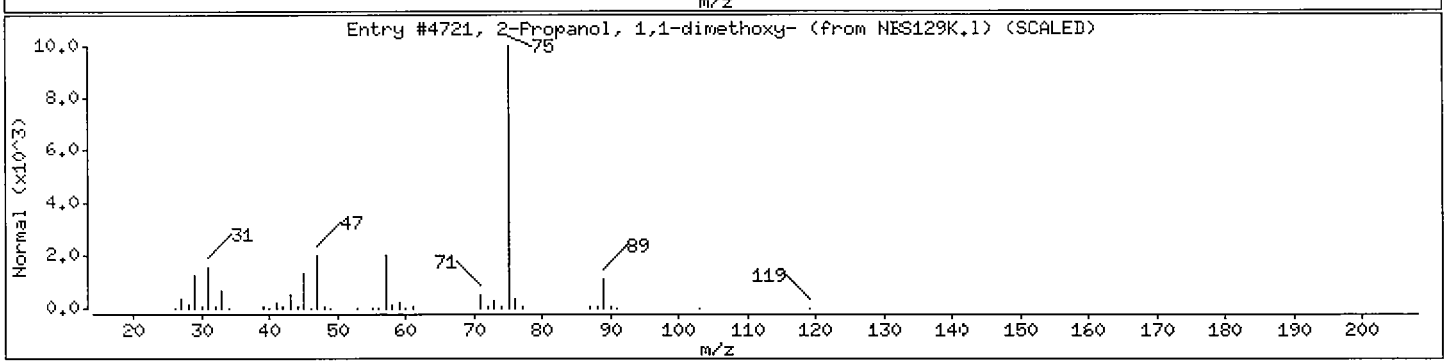
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	83	C8H20OSi	160
2-Propanol, 1,1-dimethoxy-	42919-42-6	NBS129K.l	4721	39	C5H12O3	120









Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

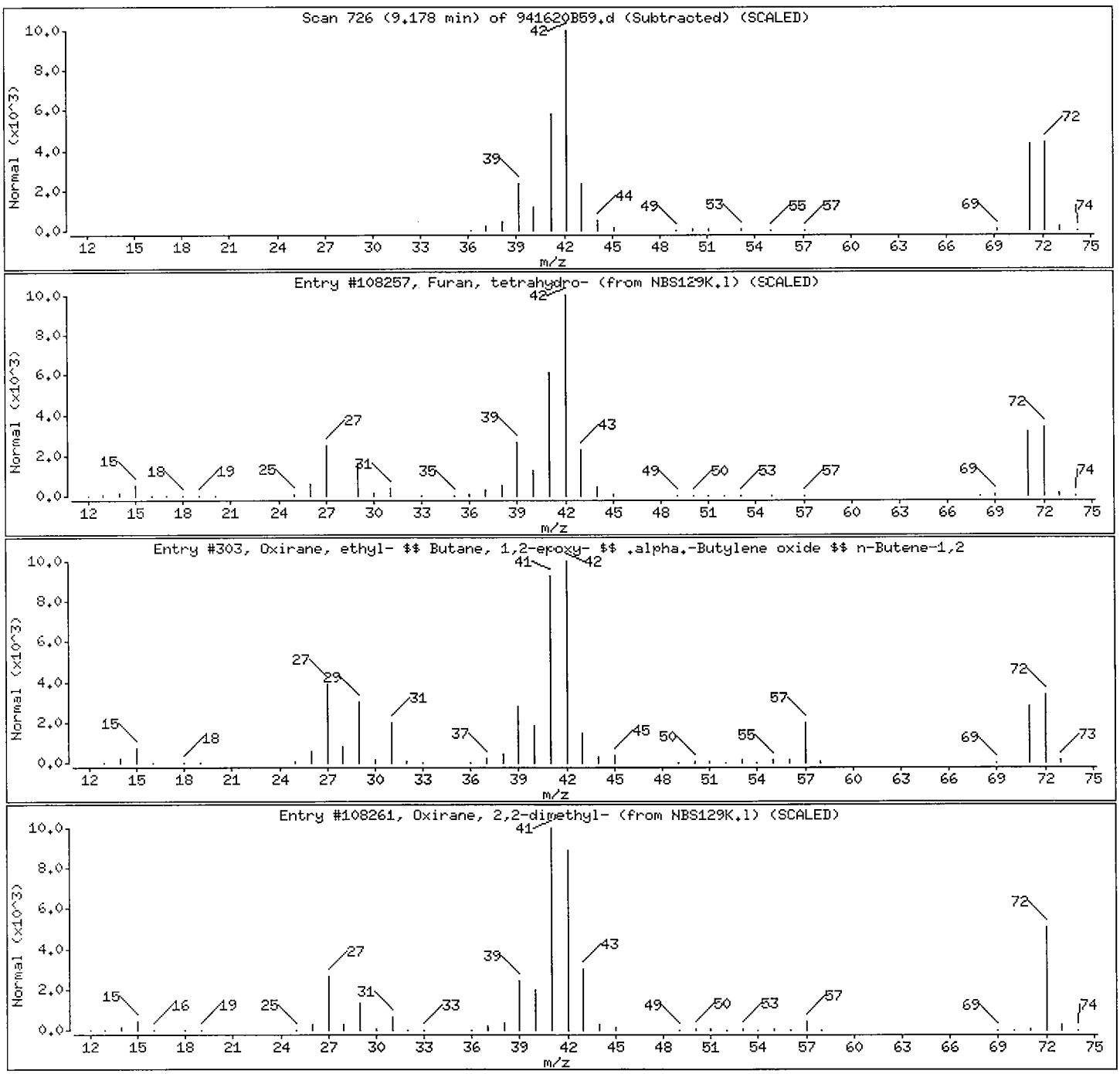
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

Sample Info: 941620:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	53	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	46	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/941620B59.d

Date : 26-MAR-2006 01:20

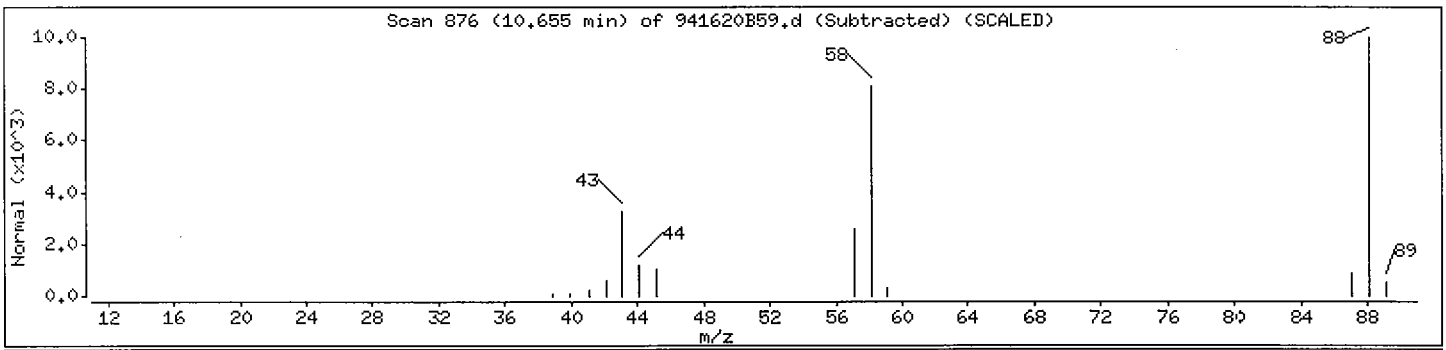
Client ID: ACSGWLA14-27 Instrument: 5972hp59.i

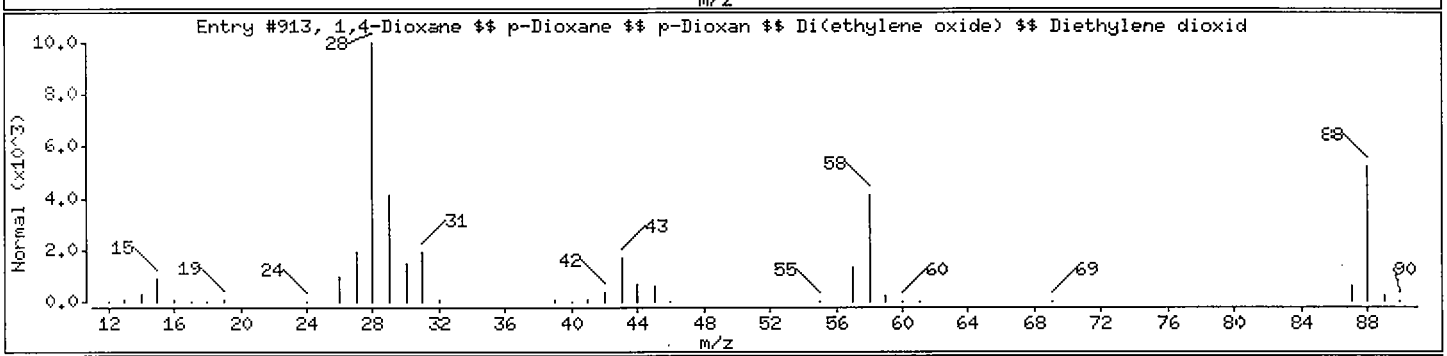
Sample Info: 941620:2481

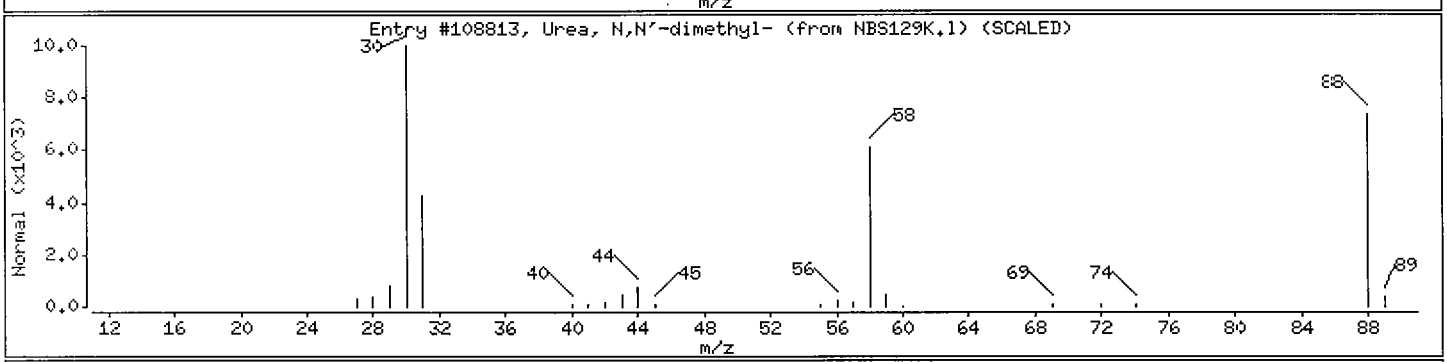
Purge Volume: 5.0 Operator: 2481

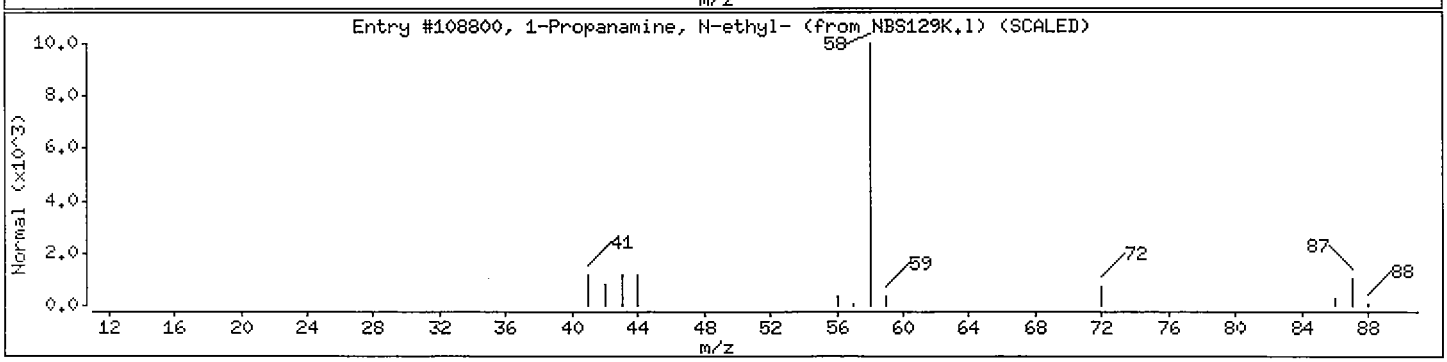
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$	123-91-1	NBS129K.l	913	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	38	C5H13N	87









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

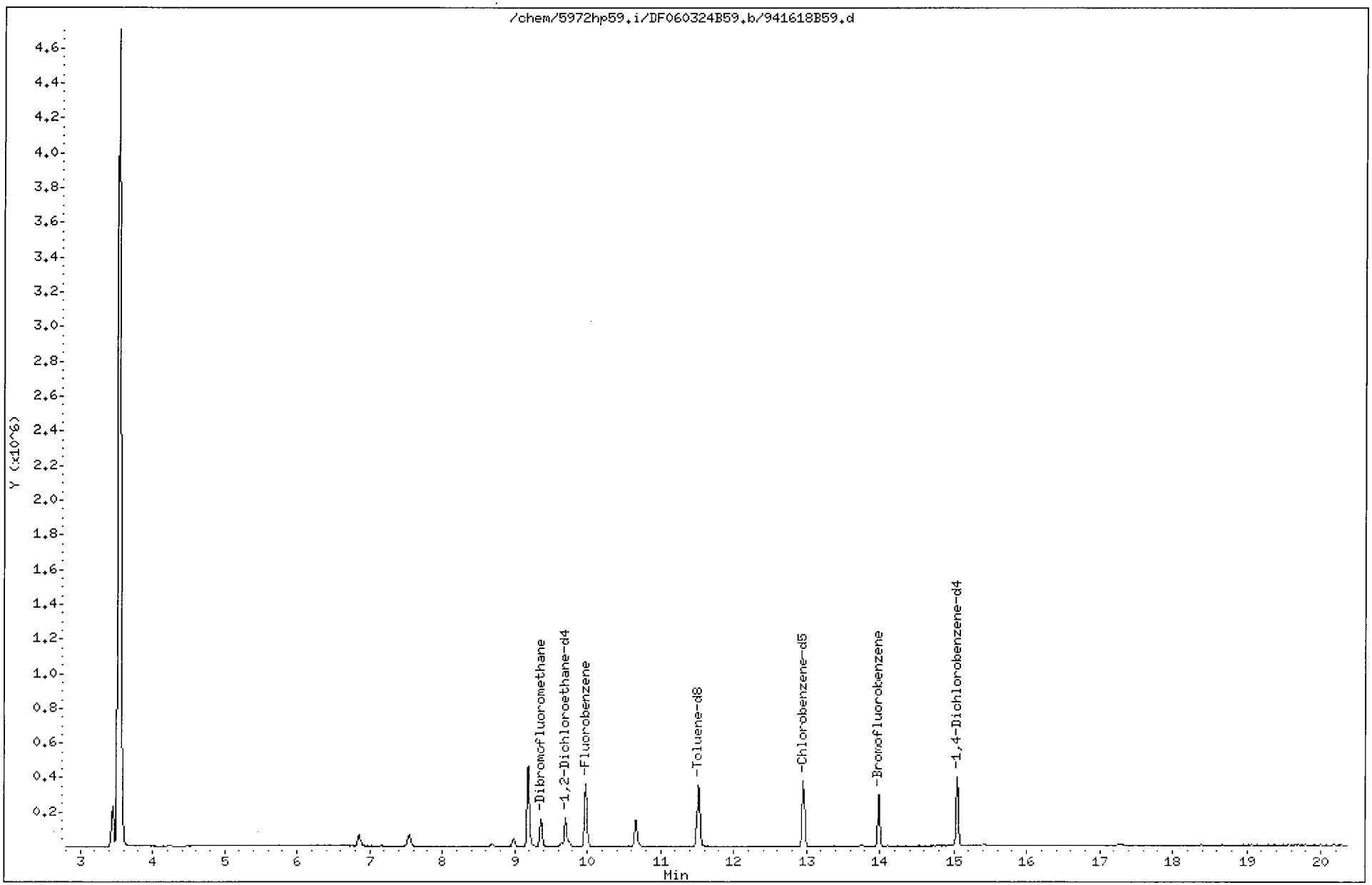
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.86	10	NJ
2.		UNKNOWN	7.54	14	J
3.	646-06-0	1,3-DIOXOLANE	8.99	7.4	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.19	65	NJ
5.	123-91-1	1,4-DIOXANE	10.67	24	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d
Date : 25-MAR-2006 08:22
Client ID: ACSGWLA15-27
Instrument: 5972hp59.i
Sample Info: 941618:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941618B59.d
Lab Smp Id: 941618 Client Smp ID: ACSGWLA15-27
Inj Date : 25-MAR-2006 08:22
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941618:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.976	9.980	(1.000)	403477	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.963	(1.000)	253290	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.040	(1.000)	118492	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.939)	115104	220.928	44
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.972)	140907	258.133	52
$ 6 Toluene-d8	98	11.512	11.516	(0.888)	353301	232.676	47
$ 7 Bromofluorobenzene	95	13.983	13.987	(0.929)	145708	232.893	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d
Report Date: 27-Mar-2006 05:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941618B59.d
Lab Smp Id: 941618 Client Smp ID: ACSGWLA15-27
Inj Date : 25-MAR-2006 08:22
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941618:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.976	911760	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy-				CAS #: 109-87-5			
6.855	191060	52.3877522	10	90	NBS129K.l	108386	1
Unknown				CAS #:			
7.545	247686	67.9141411	14	0		0	1
1,3-Dioxolane				CAS #: 646-06-0			
8.992	134948	37.0020772	7.4	90	NBS129K.l	108321	1

Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d
Report Date: 27-Mar-2006 05:02

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Furan, tetrahydro-				CAS #: 109-99-9			
9.189	1193952	327.375645	65	91	NBS129K.l	108257	1
1,4-Dioxane				CAS #: 123-91-1			
10.665	441657	121.100093	24	91	NBS129K.l	108820	1

Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d

Date : 25-MAR-2006 08:22

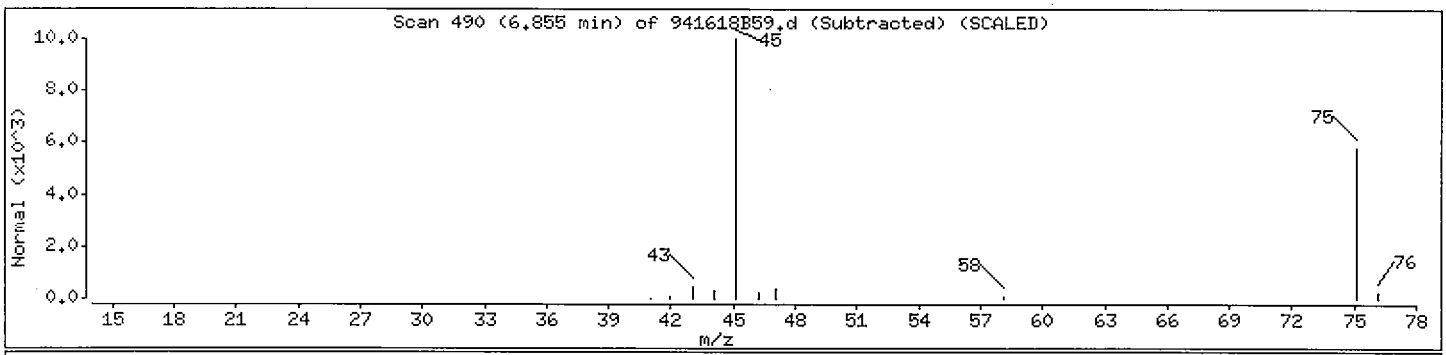
Client ID: ACSGWLA15-27 Instrument: 5972hp59.i

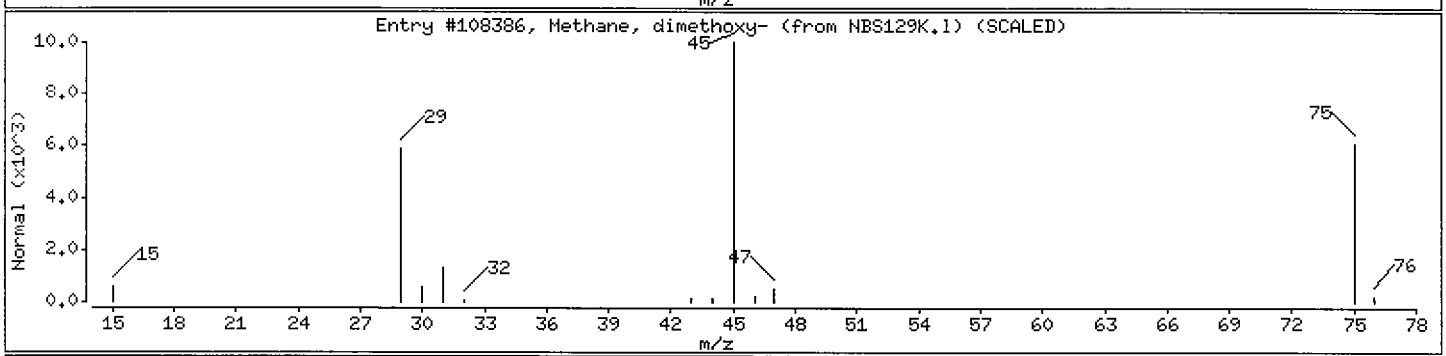
Sample Info: 941618:2481

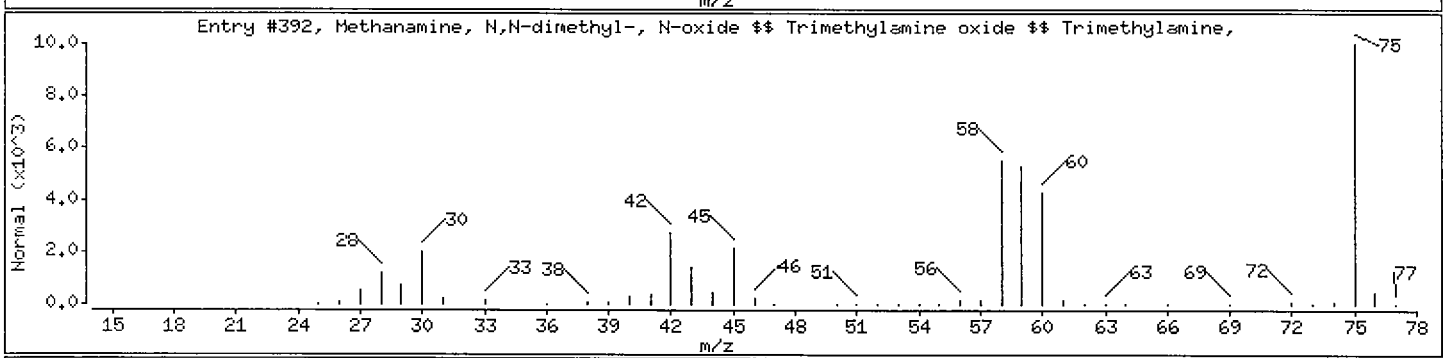
Purge Volume: 5.0 Operator: 2481

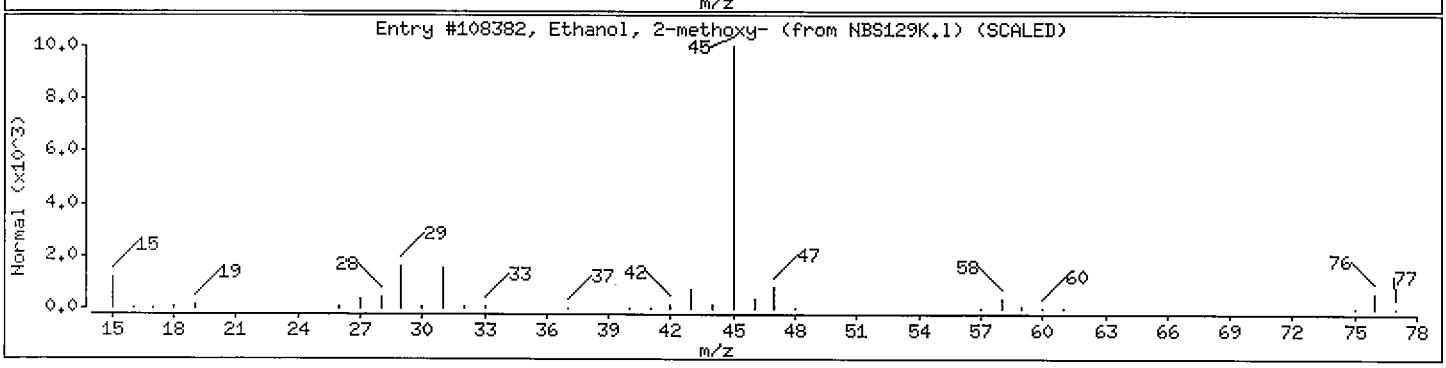
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy-	109-87-5	NBS129K.l	108386	90	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	9	C3H9NO	75
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108382	7	C3H8O2	76









Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d

Date : 25-MAR-2006 08:22

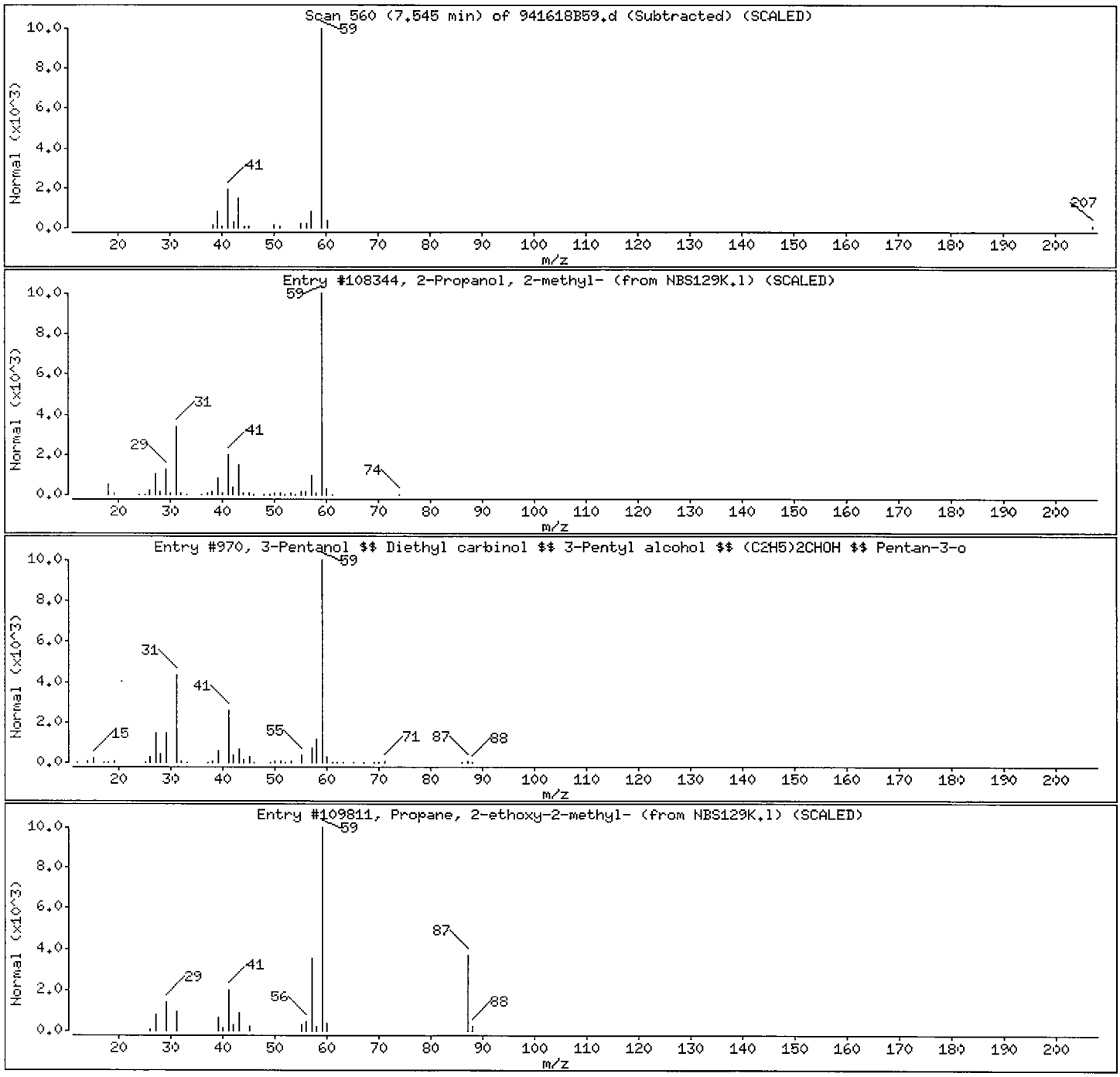
Client ID: ACSGWLA15-27 Instrument: 5972hp59.i

Sample Info: 941618:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108344	83	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	64	C5H12O	88
Propane, 2-ethoxy-2-methyl-	637-92-3	NBS129K.l	109811	40	C6H14O	102



Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d

Date : 25-MAR-2006 08:22

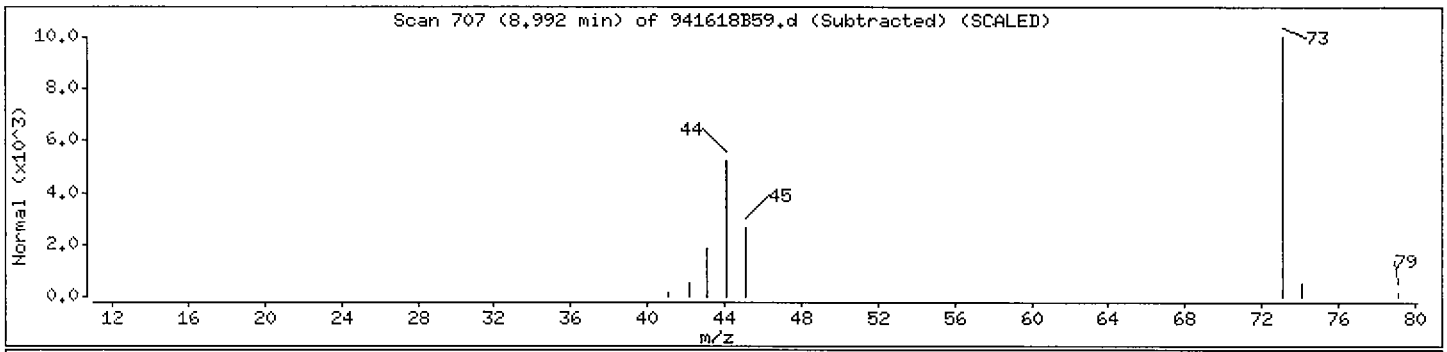
Client ID: ACSGWLA15-27 Instrument: 5972hp59.i

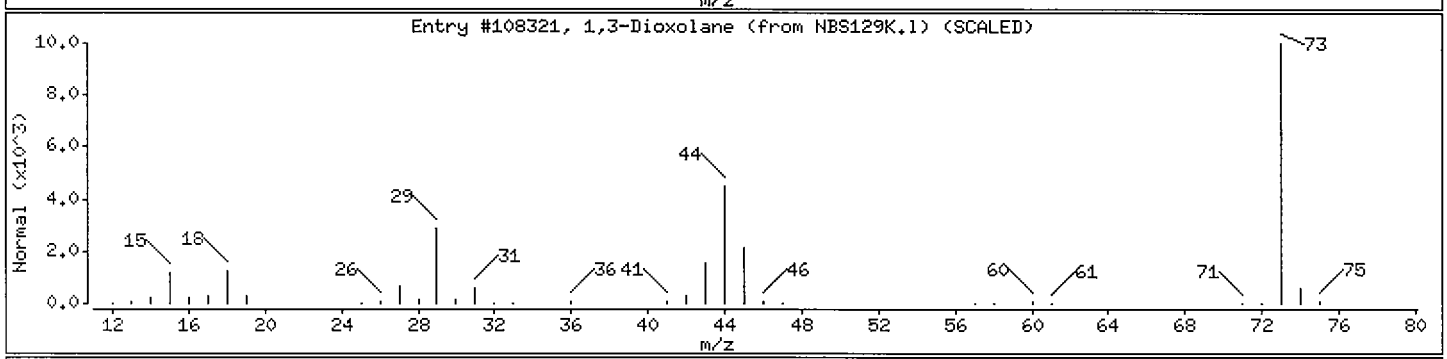
Sample Info: 941618:2481

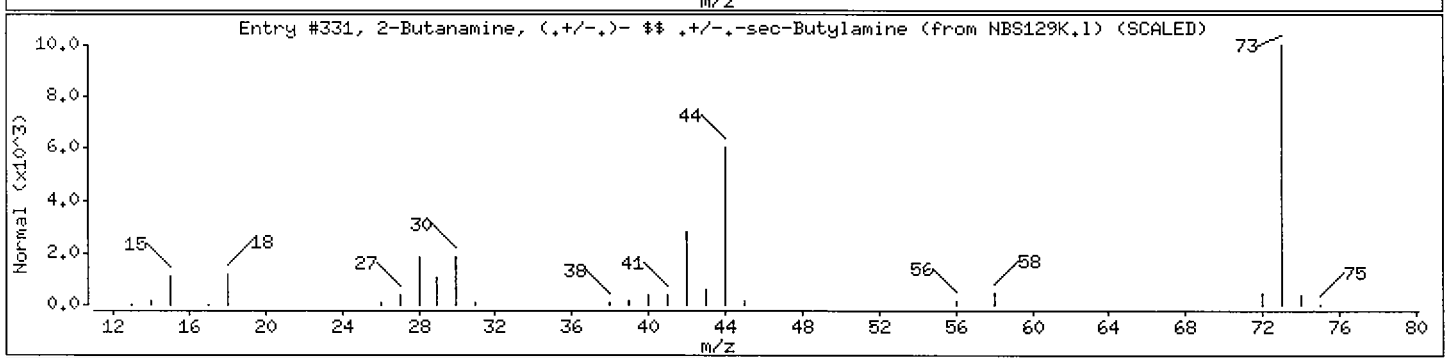
Purge Volume: 5.0 Operator: 2481

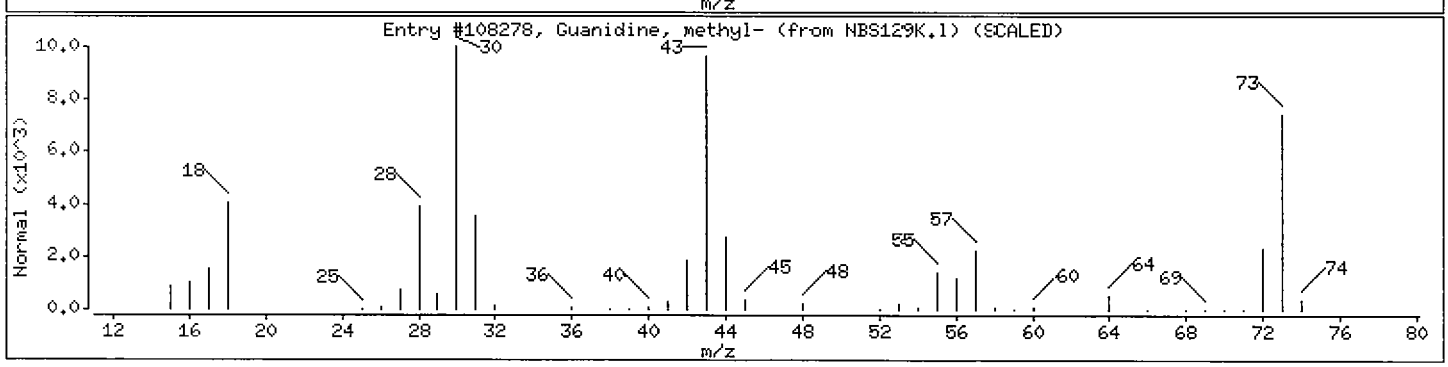
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Dioxolane	646-06-0	NBS129K.l	108321	90	C3H6O2	74
2-Butanamine, (.+/-.)- $$.+/-.-sec-Buty	33966-50-6	NBS129K.l	331	7	C4H11N	73
Guanidine, methyl-	471-29-4	NBS129K.l	108278	7	C2H7N3	73









Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d

Date : 25-MAR-2006 08:22

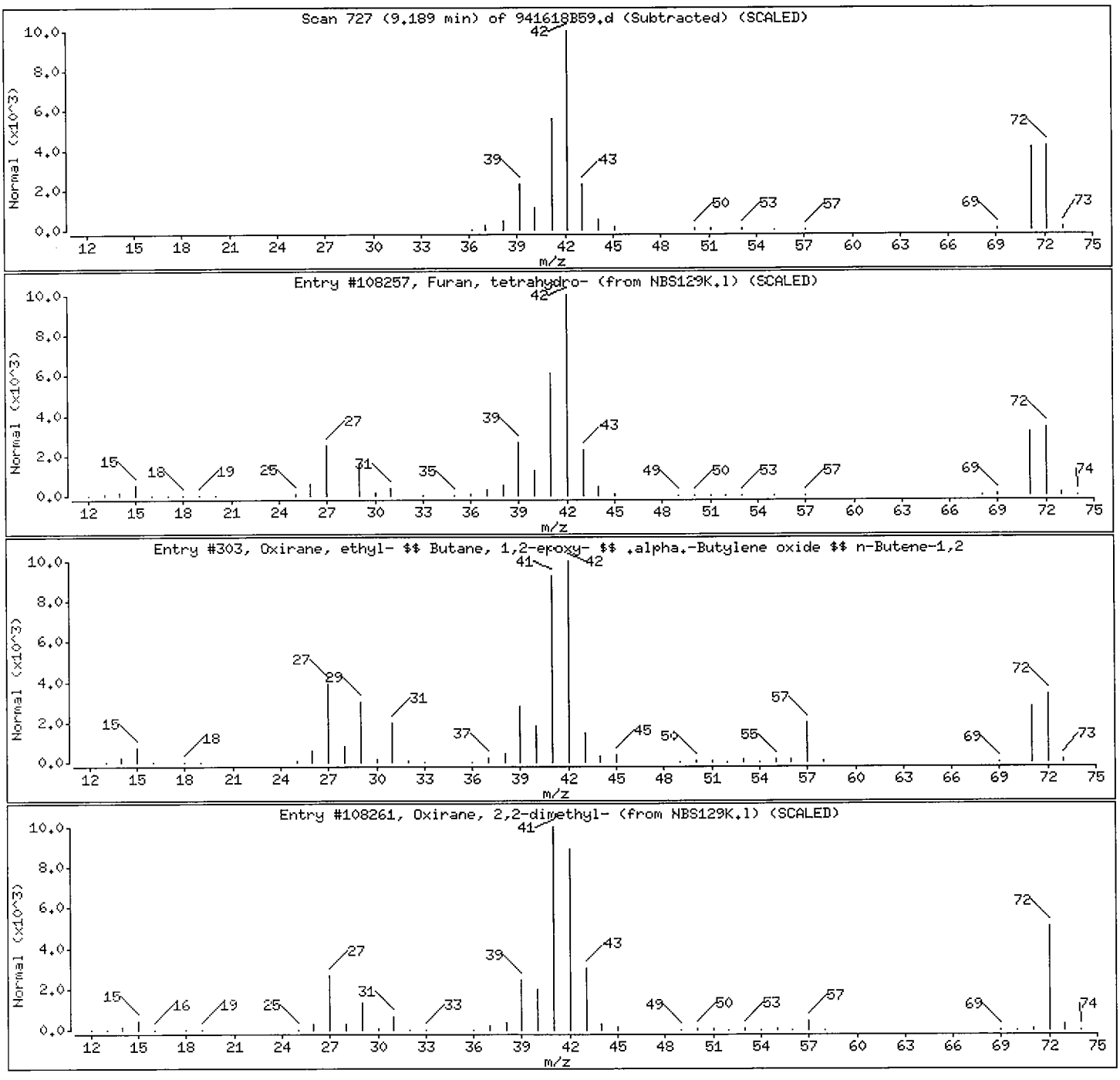
Client ID: ACSGWLA15-27 Instrument: 5972hp59.i

Sample Info: 941618:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	53	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	46	C4H8O	72



Data File: /chem/5972hp59.i/DF060324B59.b/941618B59.d

Date : 25-MAR-2006 08:22

Client ID: ACSGWLA15-27

Instrument: 5972hp59.i

Sample Info: 941618:2481

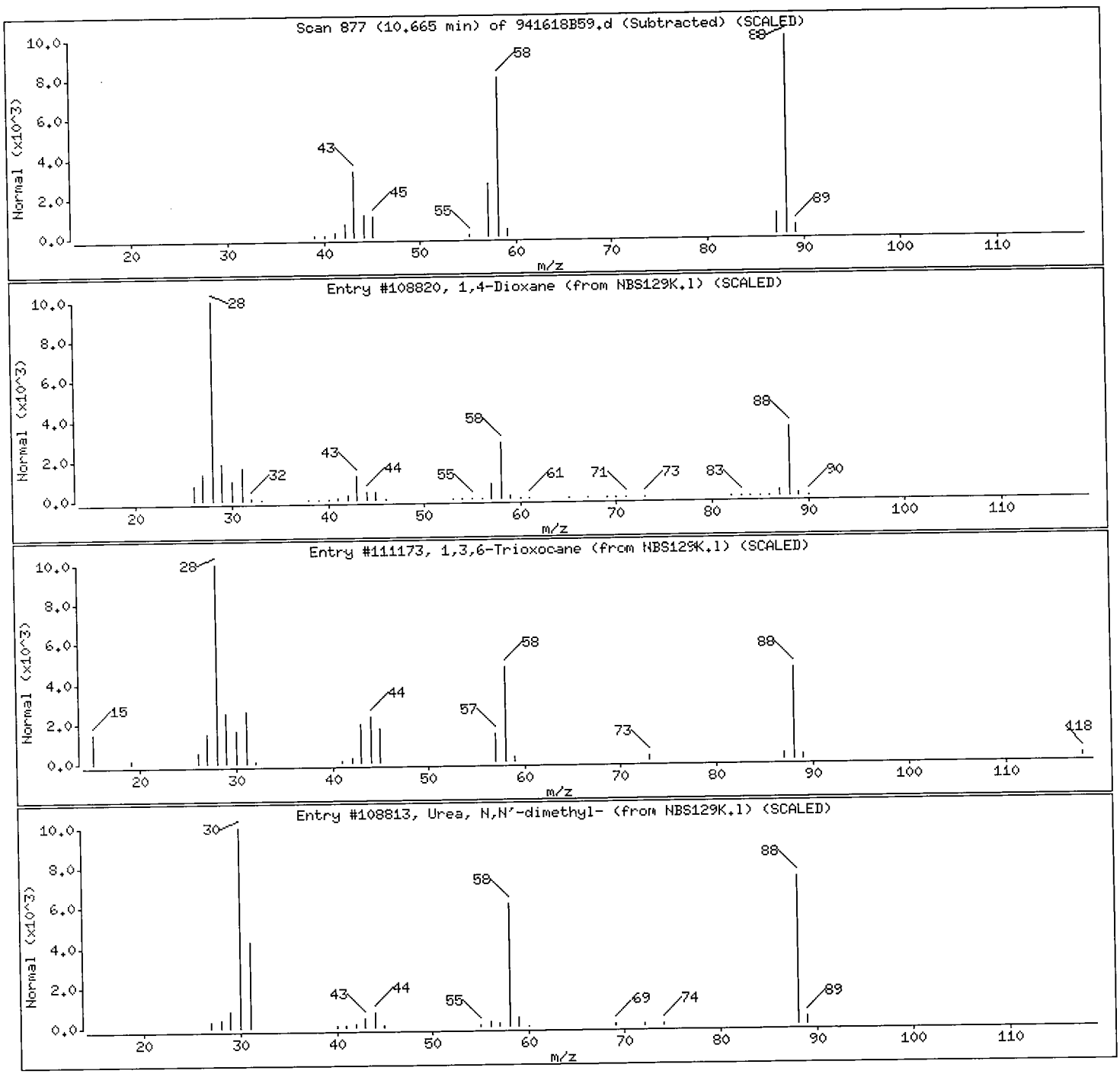
Purge Volume: 5.0

Operator: 2481

Column phase: ZB-624

Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
1,3,6-Trioxocane	1779-19-7	NBS129K.l	111173	40	C5H10O3	118
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	120	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	1.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	550	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

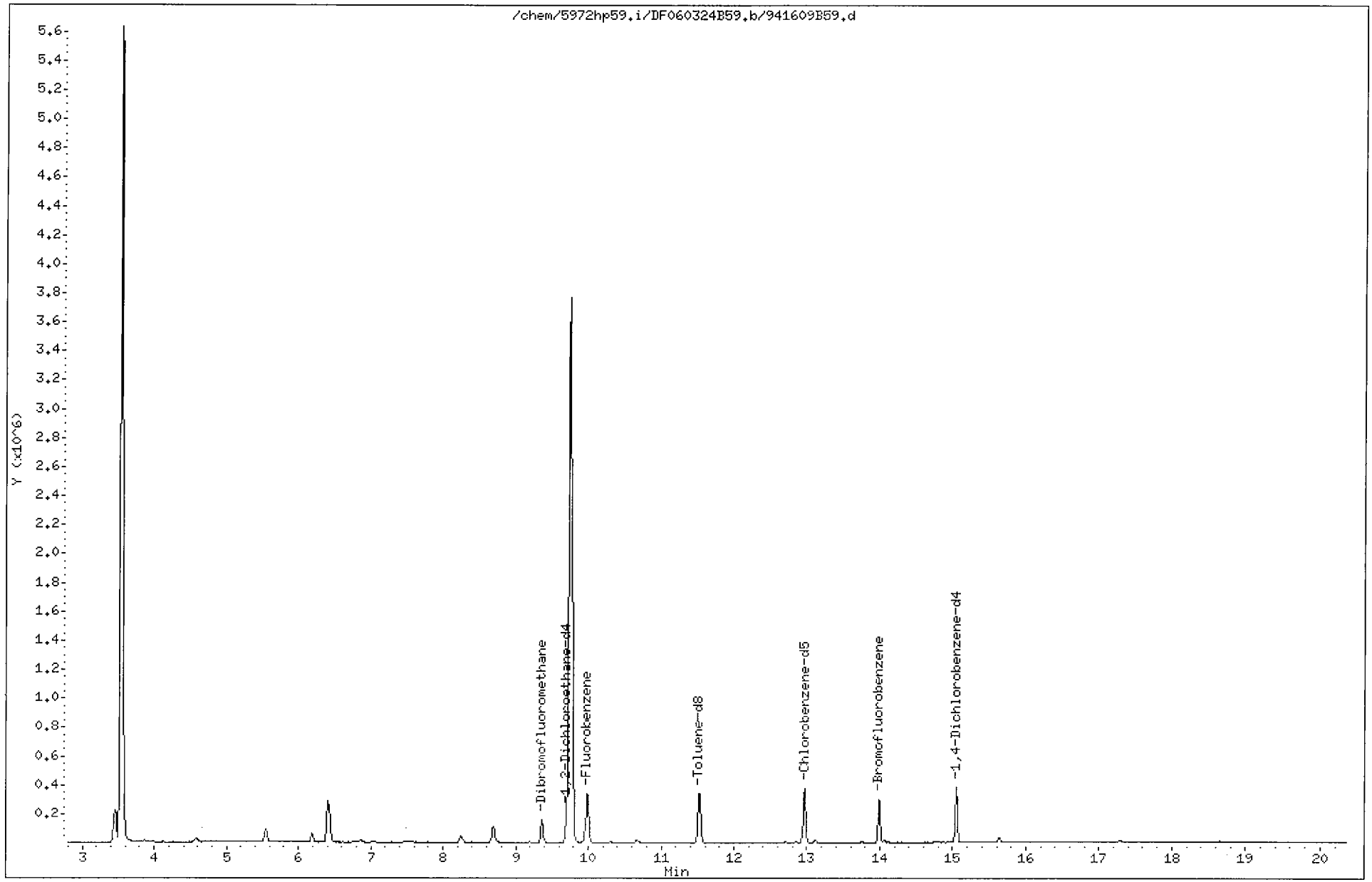
Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	503-17-3	2-BUTYNE	6.19	7.9	NJ
2.	60-29-7	ETHYL ETHER	6.42	42	NJ
3.		UNKNOWN	8.25	7.1	J
4.	1066-40-6	SILANOL, TRIMETHYL-	8.68	19	NJ
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Date : 25-MAR-2006 04:05
Client ID: ACSGWMW06-27
Instrument: 5972hp59.i
Sample Info: 941609:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941609B59.d
Lab Smp Id: 941609 Client Smp ID: ACSGWMW06-27
Inj Date : 25-MAR-2006 04:05
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.991	9.980	(1.000)	407255	250.000	
* 2 Chlorobenzene-d5	117	12.965	12.963	(1.000)	260557	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.052	15.040	(1.000)	121653	250.000	
$ 4 Dibromofluoromethane	113	9.371	9.360	(0.938)	115386	219.415	44
$ 5 1,2-Dichloroethane-d4	65	9.706	9.694	(0.971)	133765	242.776	49
$ 6 Toluene-d8	98	11.527	11.516	(0.889)	358017	229.205	46
$ 7 Bromofluorobenzene	95	13.989	13.987	(0.929)	149492	232.733	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.551	5.530	(0.556)	102170	579.069	120
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	7.471	7.470	(0.748)	3459	7.14335	1.4(a)
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.755	9.744	(0.976)	4684860	2739.77	550(A)
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Report Date: 27-Mar-2006 05:01

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

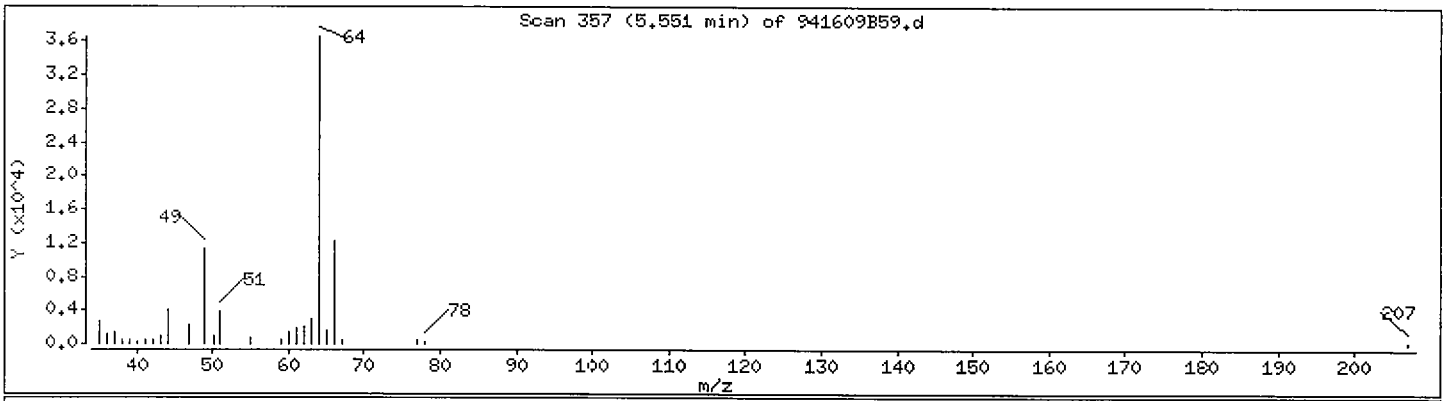
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

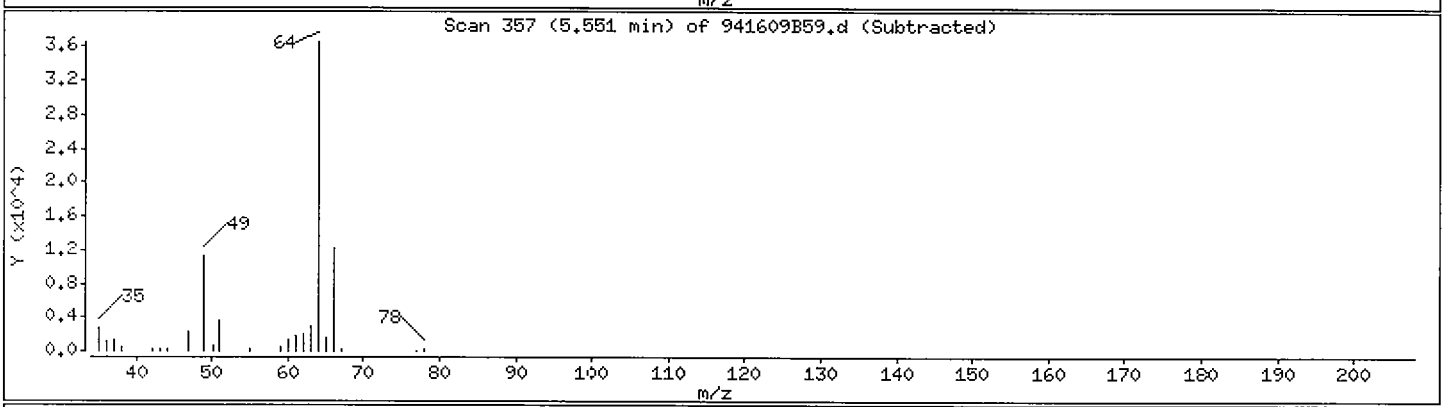
Sample Info: 941609:2481

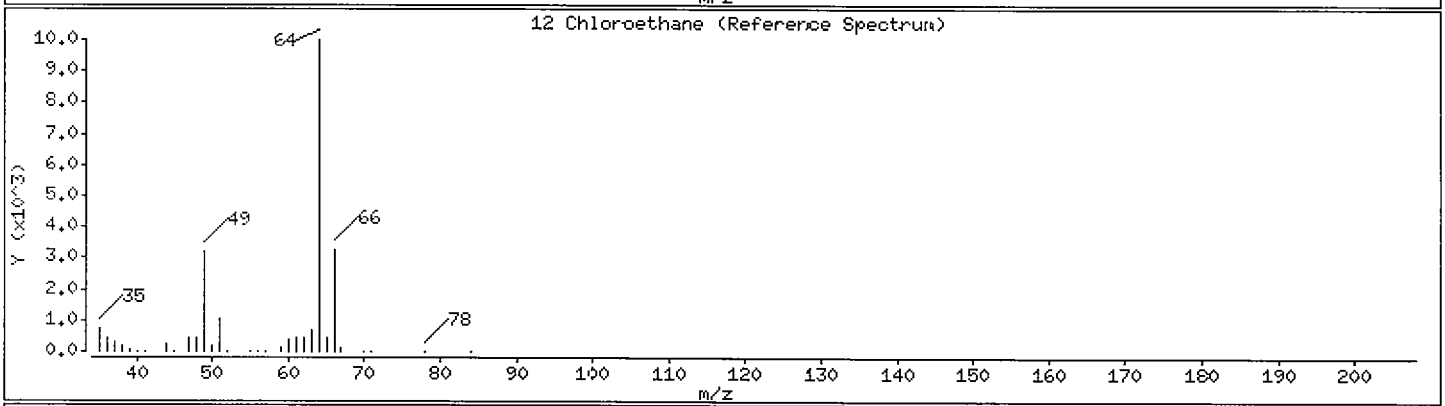
Purge Volume: 5.0 Operator: 2481

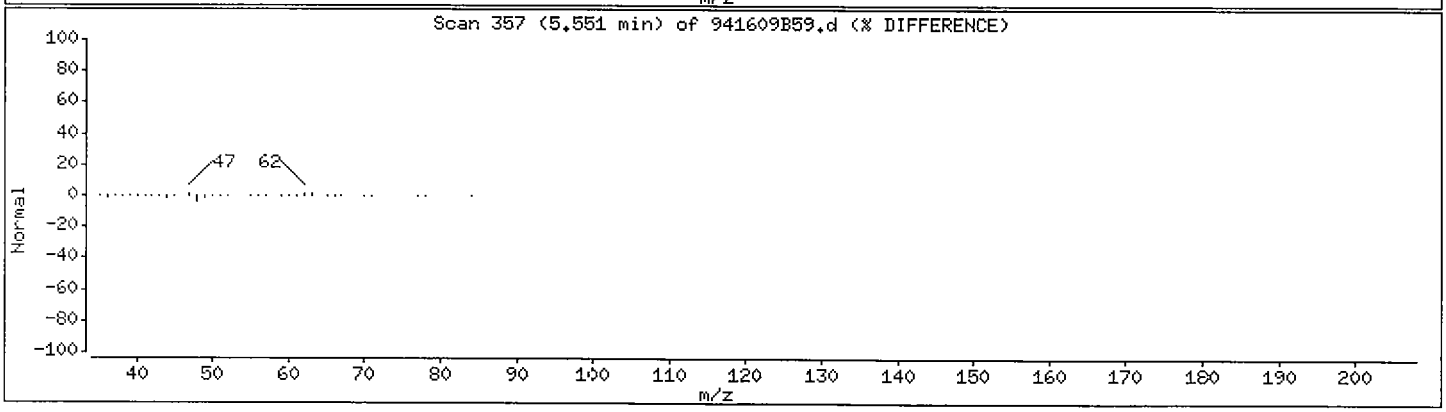
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 120 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

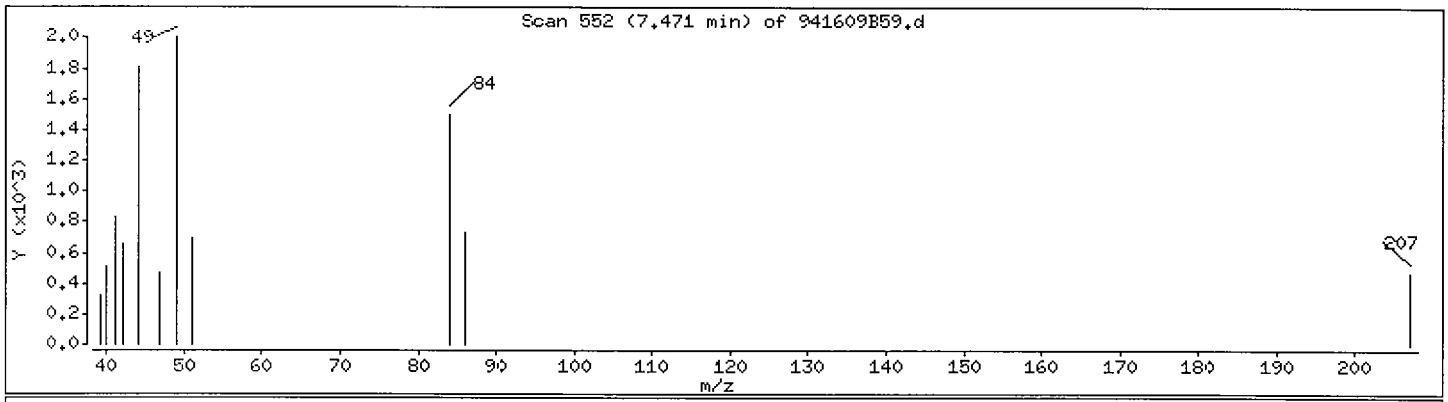
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

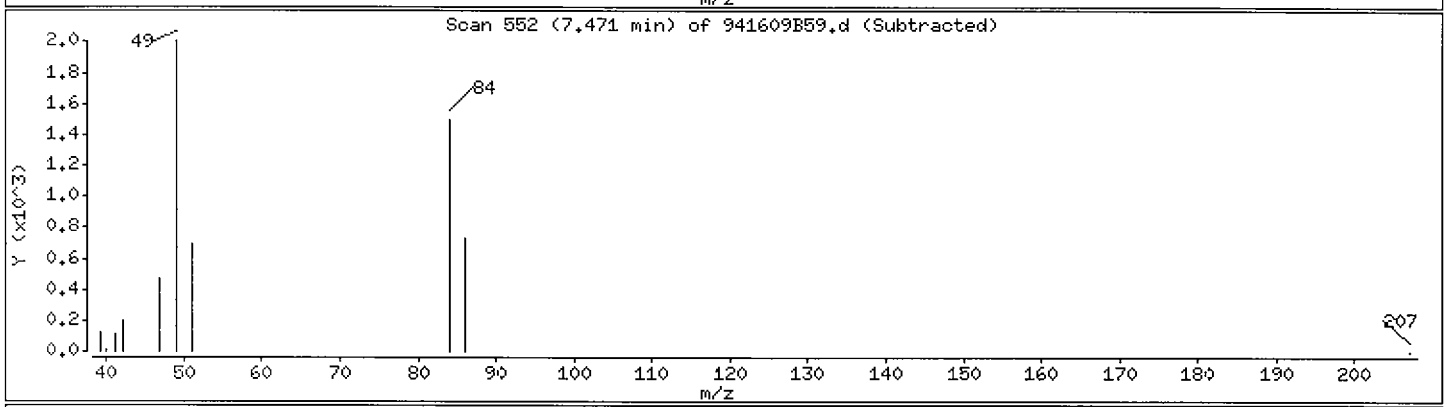
Sample Info: 941609:2481

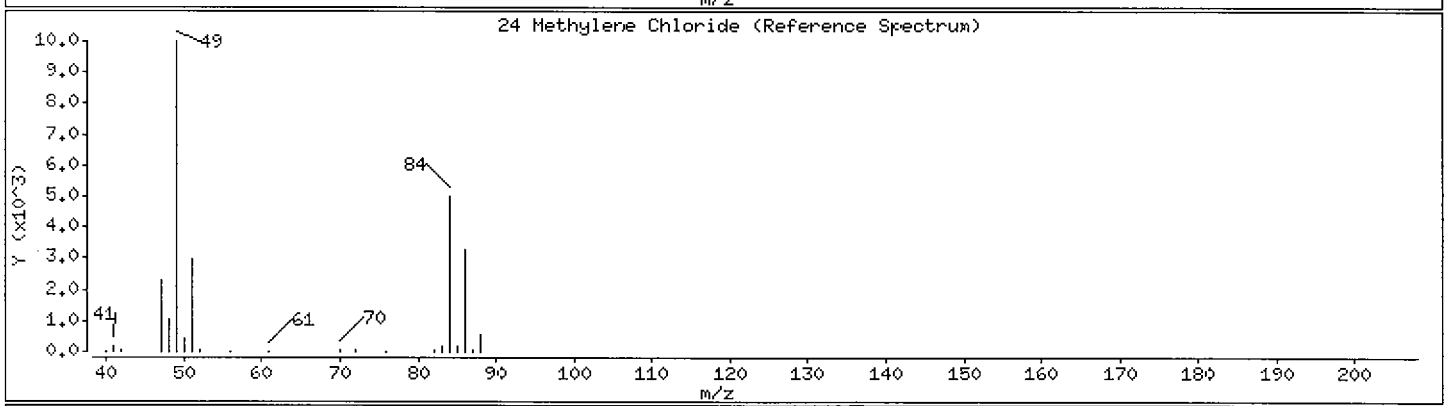
Purge Volume: 5.0 Operator: 2481

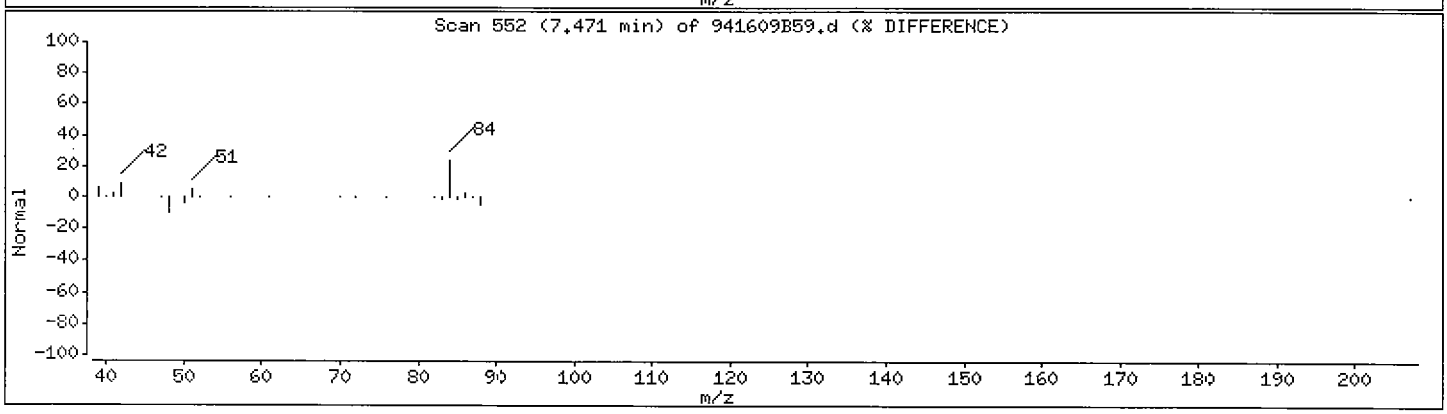
Column phase: ZB-624 Column diameter: 0.32

24 Methylene Chloride Concentration: 1.4 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

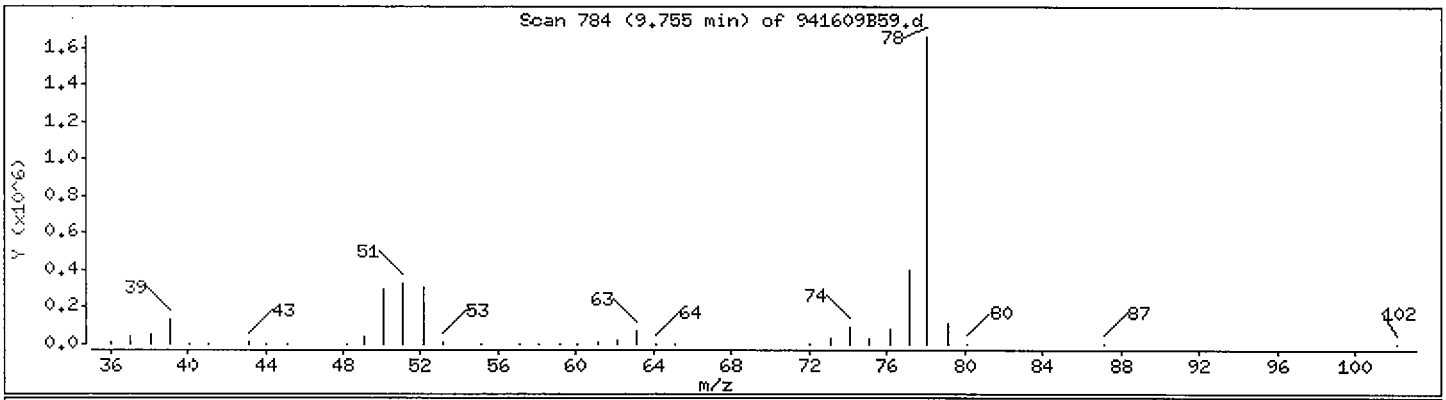
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

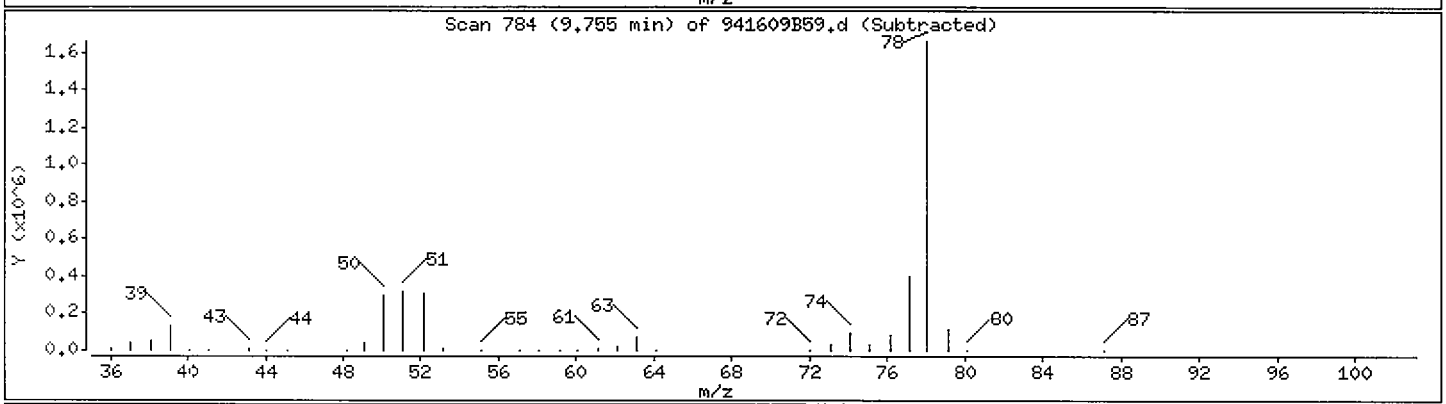
Sample Info: 941609:2481

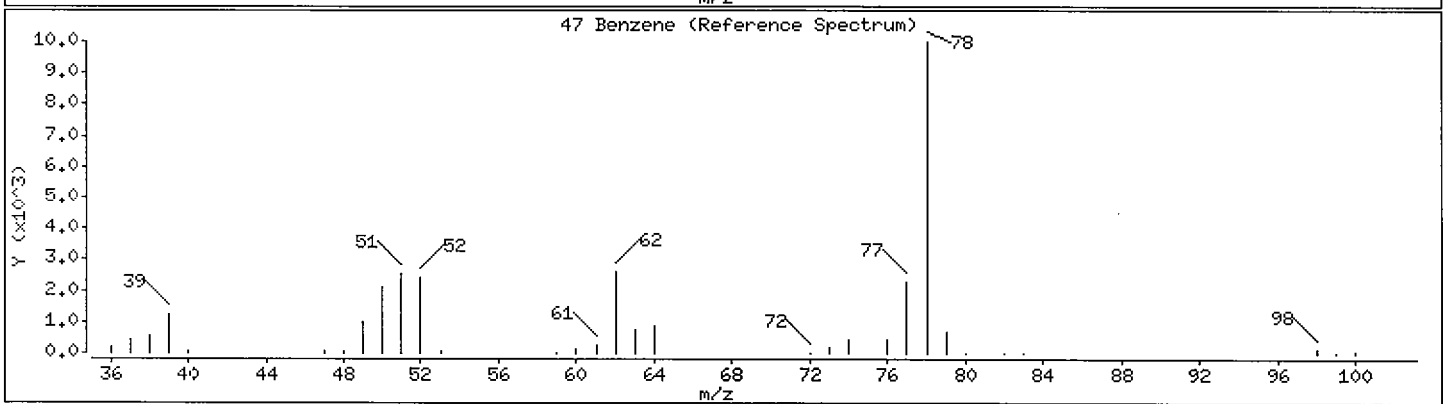
Purge Volume: 5.0 Operator: 2481

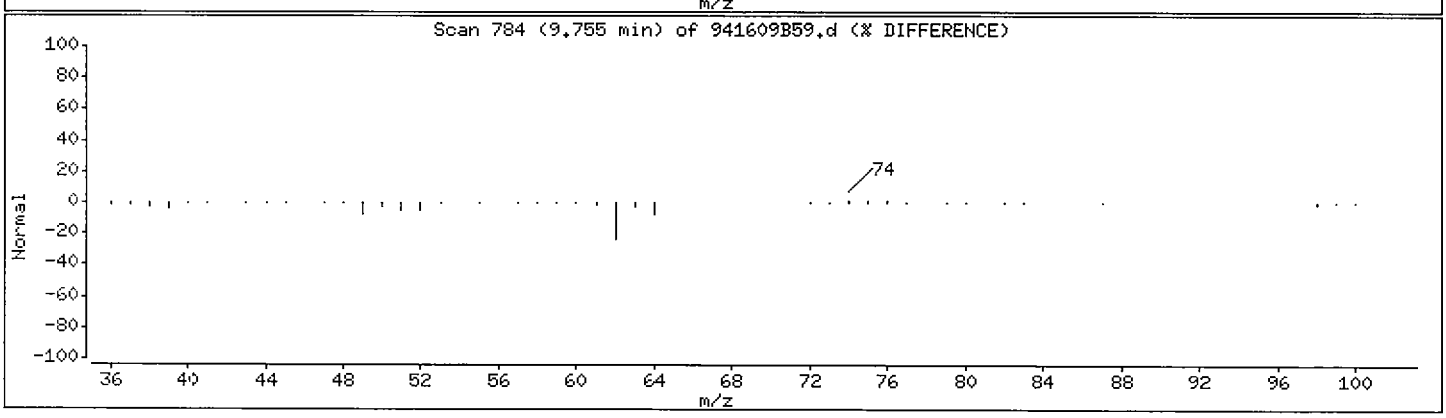
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 550 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941609B59.d
Lab Smp Id: 941609 Client Smp ID: ACSGWMW06-27
Inj Date : 25-MAR-2006 04:05
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.991	929530	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Butyne				CAS #: 503-17-3			
6.191	147063	39.5531113	7.9	86	NBS129K.l	107964	1
Ethyl ether				CAS #: 60-29-7			
6.418	787606	211.828825	42	90	NBS129K.l	108347	1
Unknown				CAS #:			
8.249	131247	35.2993486	7.1	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d
Report Date: 27-Mar-2006 05:01

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
8.682	349858	94.0953938	19	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

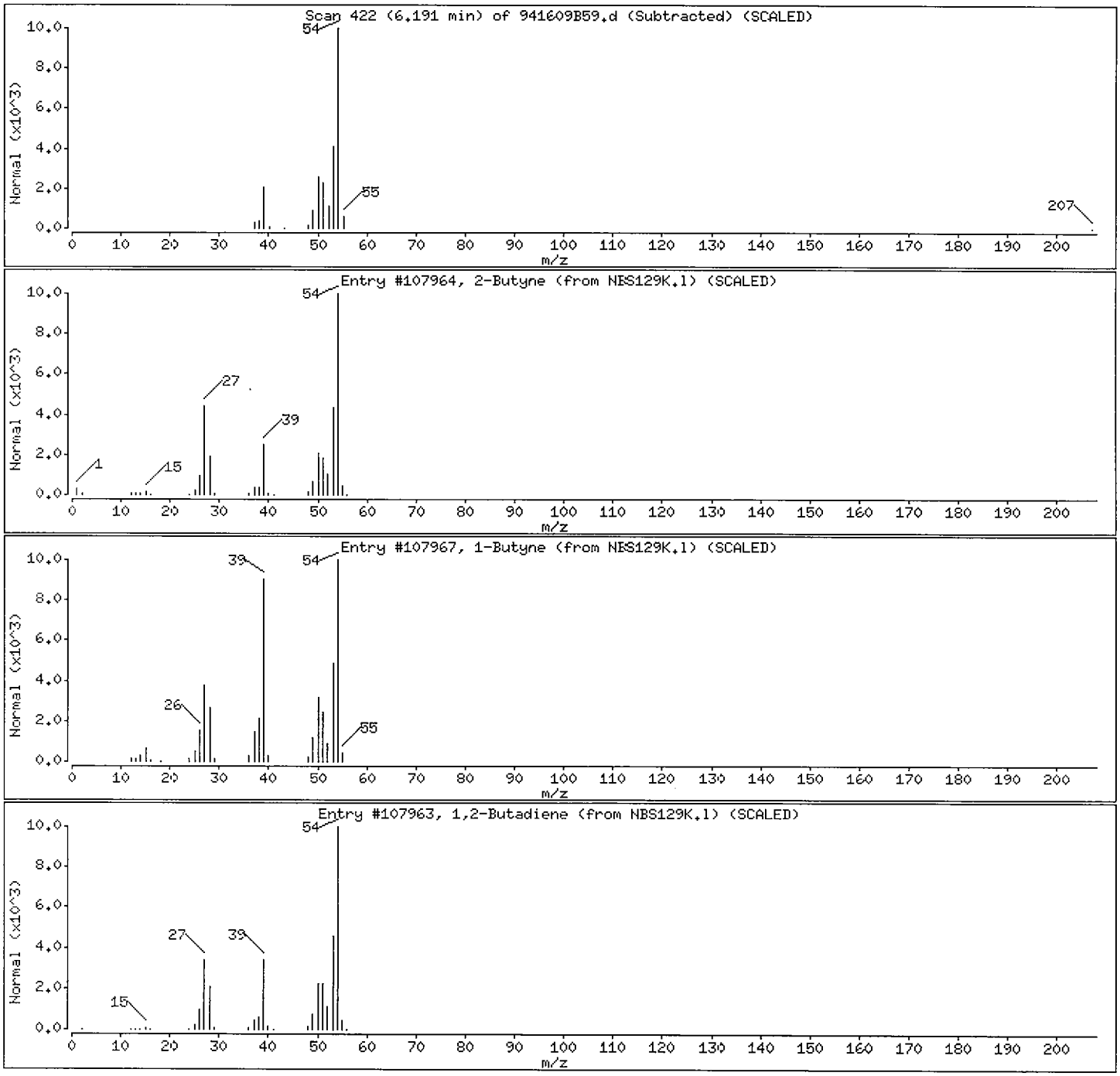
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

Sample Info: 941609:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butyne	503-17-3	NBS129K.l	107964	86	C4H6	54
1-Butyne	107-00-6	NBS129K.l	107967	78	C4H6	54
1,2-Butadiene	590-19-2	NBS129K.l	107963	78	C4H6	54



Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

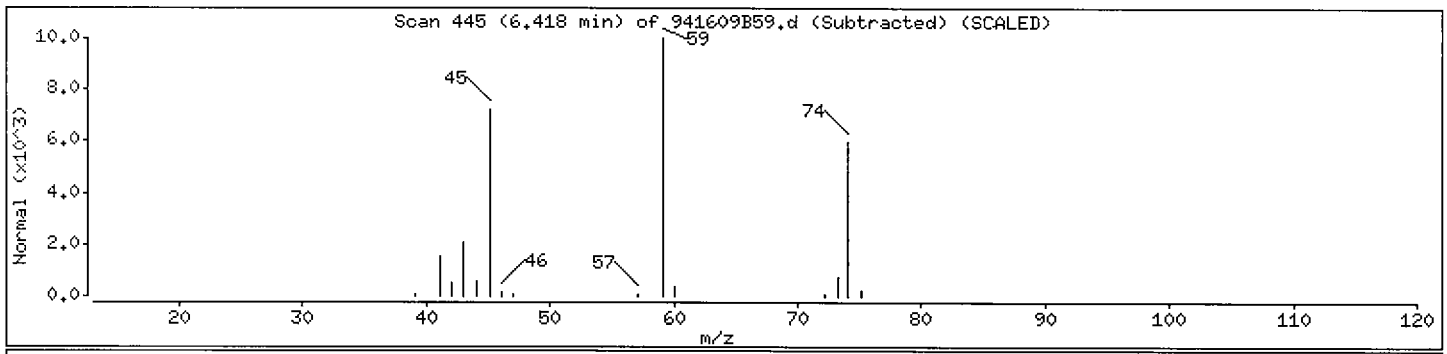
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

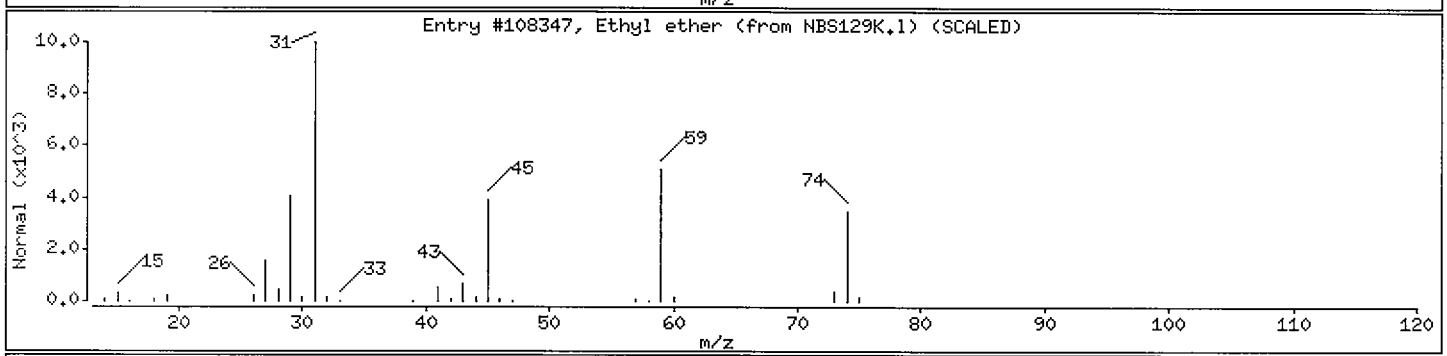
Sample Info: 941609;2481

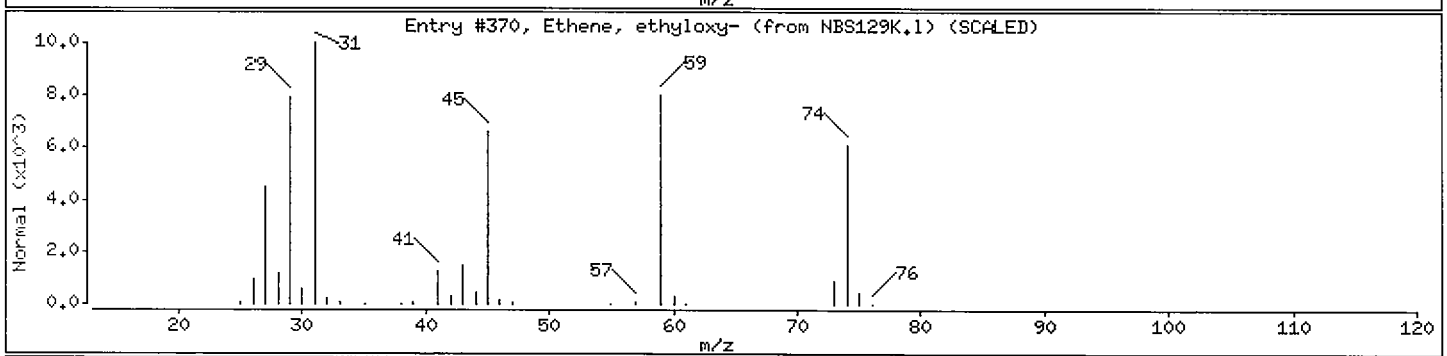
Purge Volume: 5.0 Operator: 2481

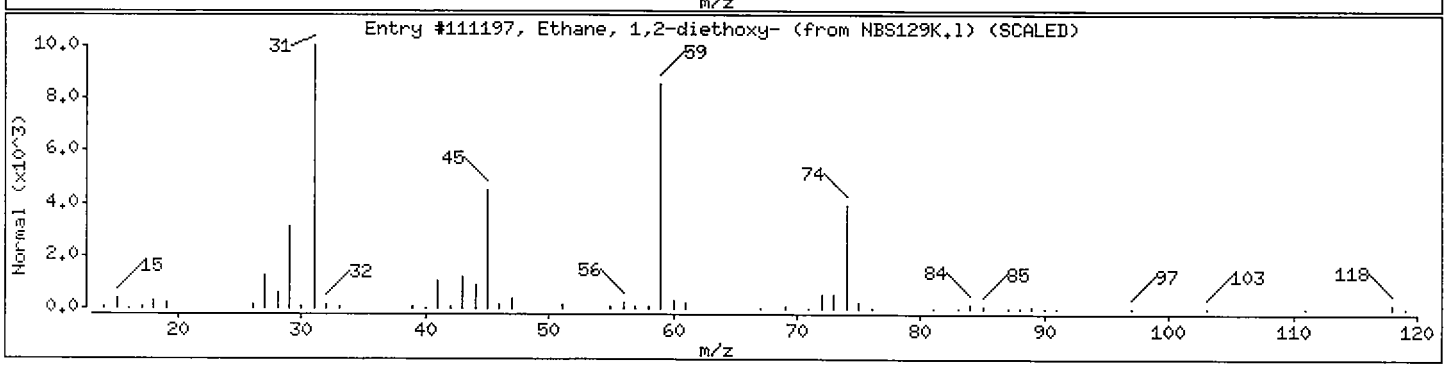
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether	60-29-7	NBS129K.l	108347	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	90	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111197	64	C6H14O2	118









Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

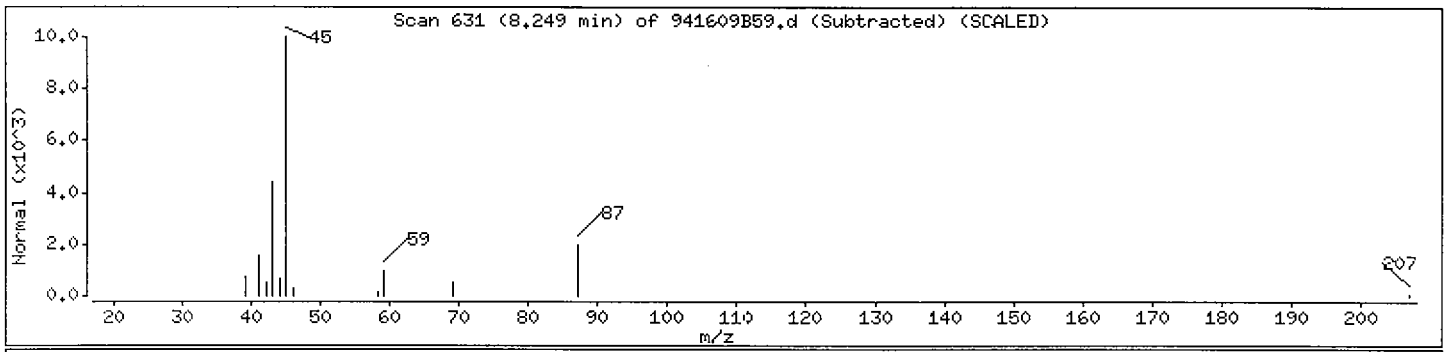
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

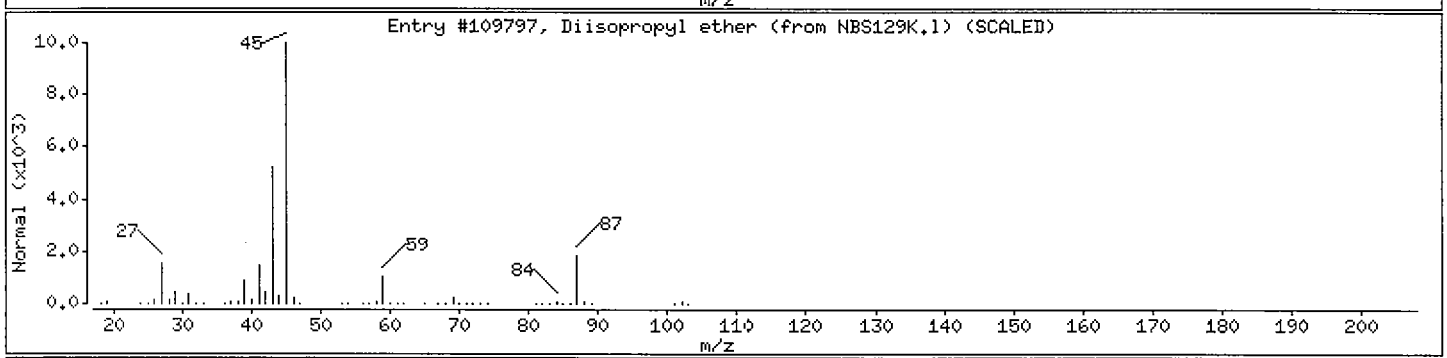
Sample Info: 941609:2481

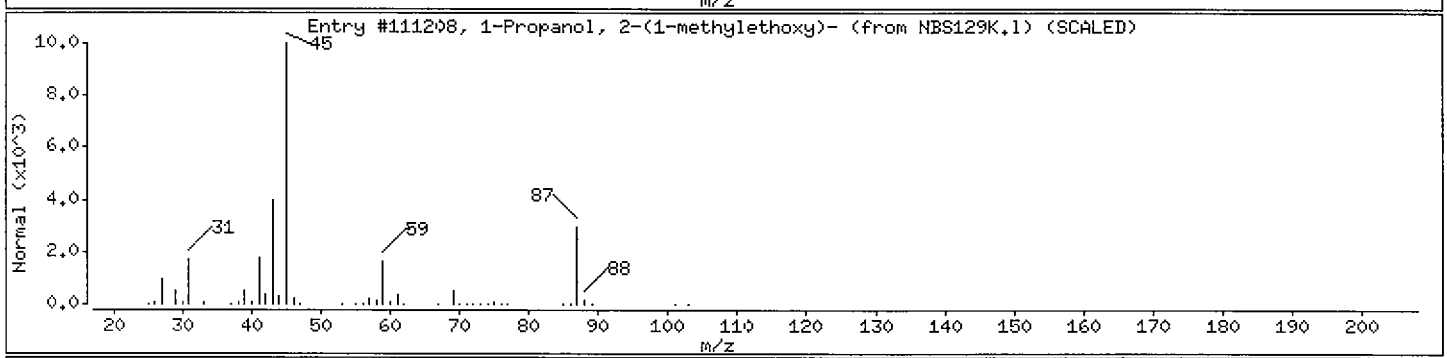
Purge Volume: 5.0 Operator: 2481

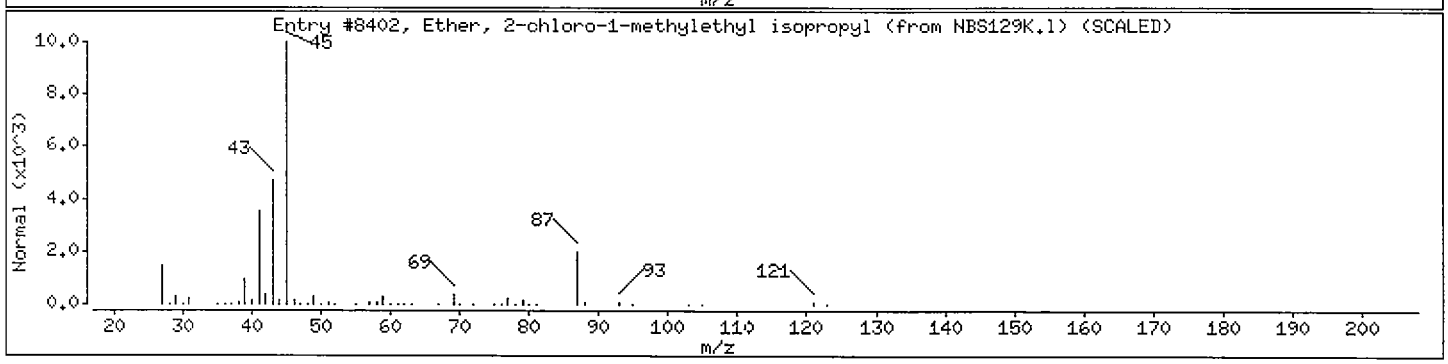
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Diisopropyl ether	108-20-3	NBS129K.l	109797	83	C6H14O	102
1-Propanol, 2-(1-methylethoxy)-	3944-37-4	NBS129K.l	111208	78	C6H14O2	118
Ether, 2-chloro-1-methylethyl isopropyl	98277-76-0	NBS129K.l	8402	64	C6H13ClO	136









Data File: /chem/5972hp59.i/DF060324B59.b/941609B59.d

Date : 25-MAR-2006 04:05

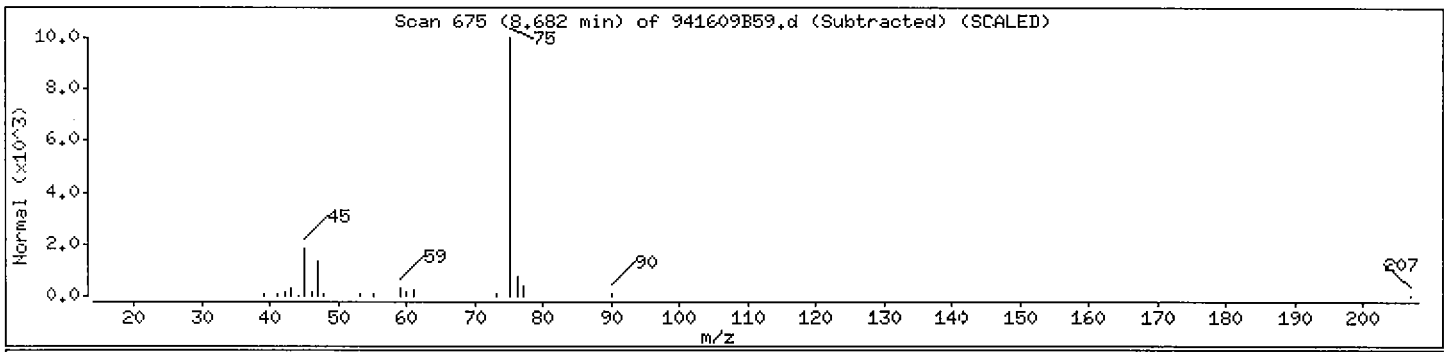
Client ID: ACSGWMW06-27 Instrument: 5972hp59.i

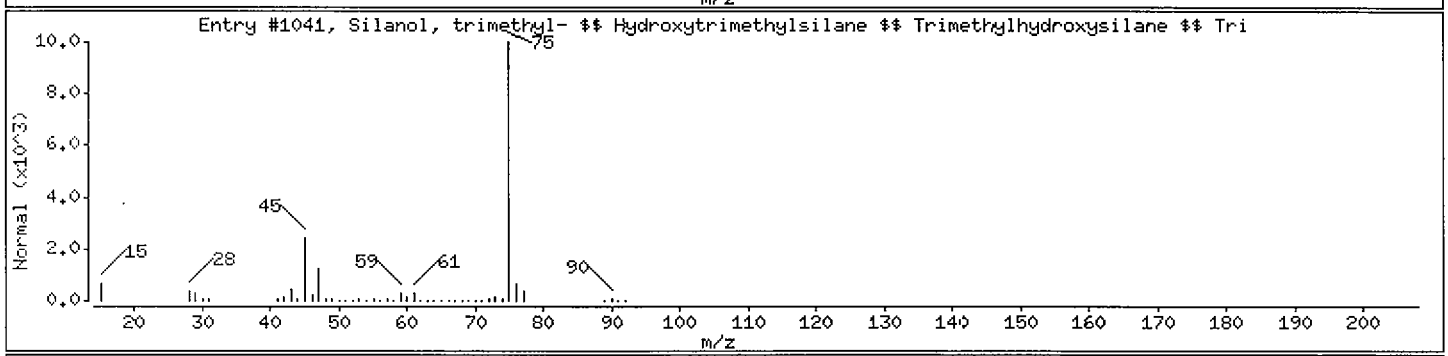
Sample Info: 941609:2481

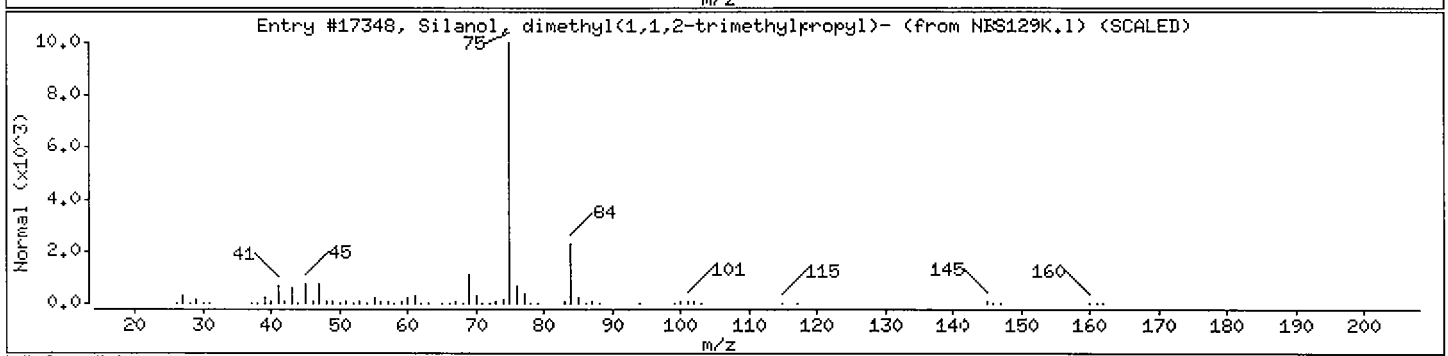
Purge Volume: 5.0 Operator: 2481

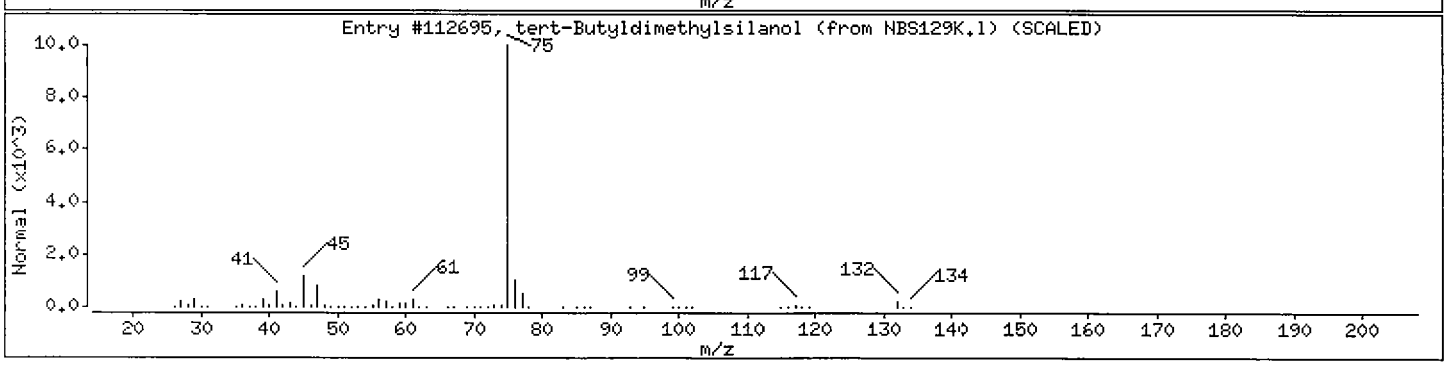
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	83	C8H20OSi	160
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	100	D
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
75-15-0	Carbon disulfide	20	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	20	U
67-64-1	Acetone	50	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl-tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-butanone	50	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	590	D
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
591-78-6	2-hexanone	50	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropyl Benzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
1330-20-7	Xylene (total)	20	U
79-20-9	Methyl acetate	20	U
110-82-7	Cyclohexane	20	U
108-87-2	Methylcyclohexane	20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

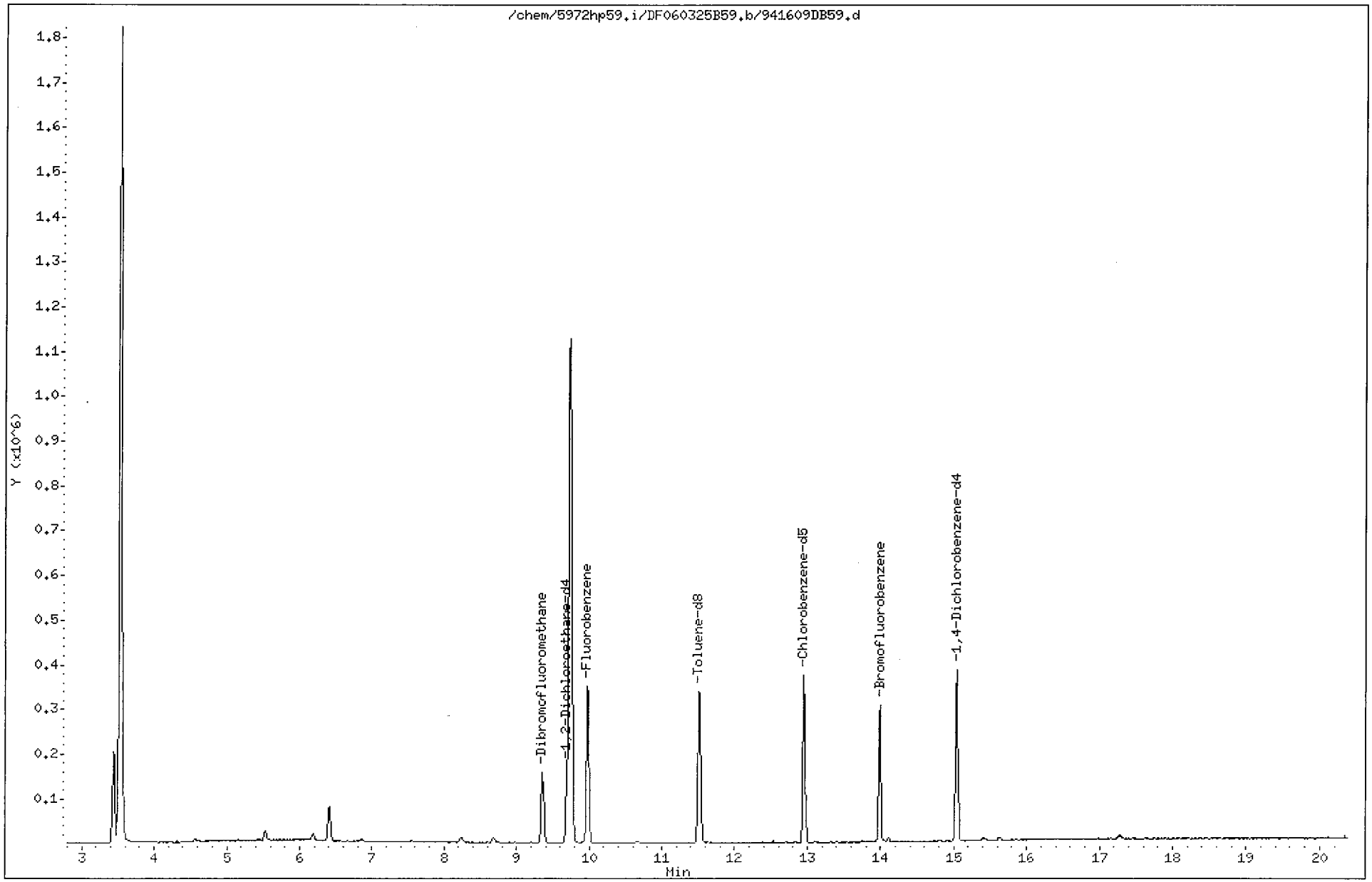
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.41	47	NJD
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Date : 26-MAR-2006 00:23
Client ID: ACSGWMW06-27DL
Instrument: 5972hp59.i
Sample Info: 941609:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Lab Smp Id: 941609 Client Smp ID: ACSGWMW06-27DL
Inj Date : 26-MAR-2006 00:23
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	4.00000	Dilution Factor
Vo	5.00000	volume of water
DF	4.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.971	9.976	(1.000)	407735	250.000	
* 2 Chlorobenzene-d5	117	12.954	12.959	(1.000)	263483	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.041	15.046	(1.000)	123663	250.000	
$ 4 Dibromofluoromethane	113	9.361	9.356	(0.939)	116569	221.404	180
$ 5 1,2-Dichloroethane-d4	65	9.695	9.690	(0.972)	132462	240.128	190
$ 6 Toluene-d8	98	11.517	11.512	(0.889)	358110	226.719	180
$ 7 Bromofluorobenzene	95	13.988	13.983	(0.930)	147787	226.339	180
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.541	5.516	(0.556)	25201	128.735	100
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Report Date: 28-Mar-2006 05:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.745	9.740	(0.977)	1266694	739.909	590
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d

Date : 26-MAR-2006 00:23

Client ID: ACSGWMW06-27DL

Instrument: 5972hp59.i

Sample Info: 941609:2481

Purge Volume: 5.0

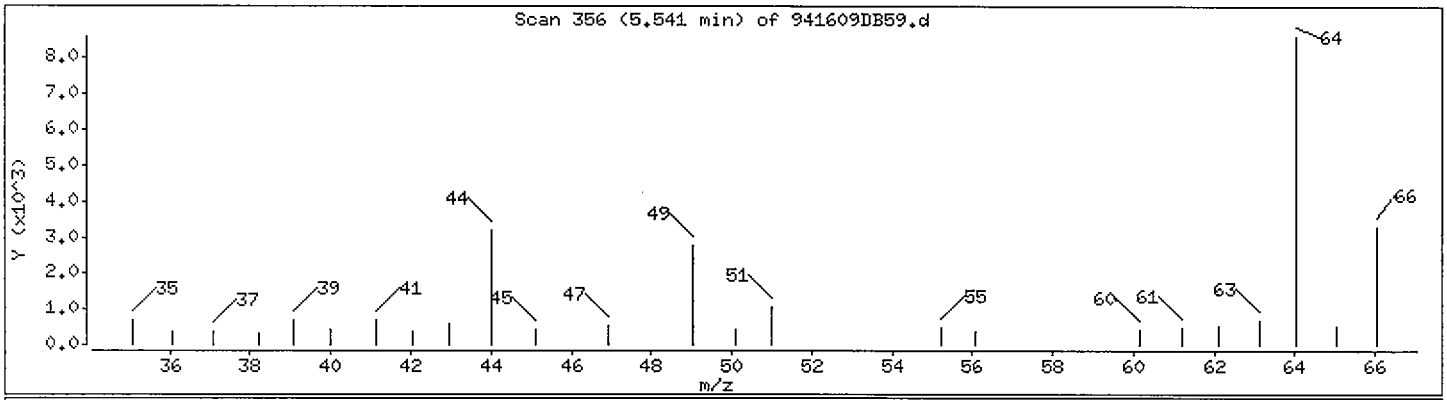
Operator: 2481

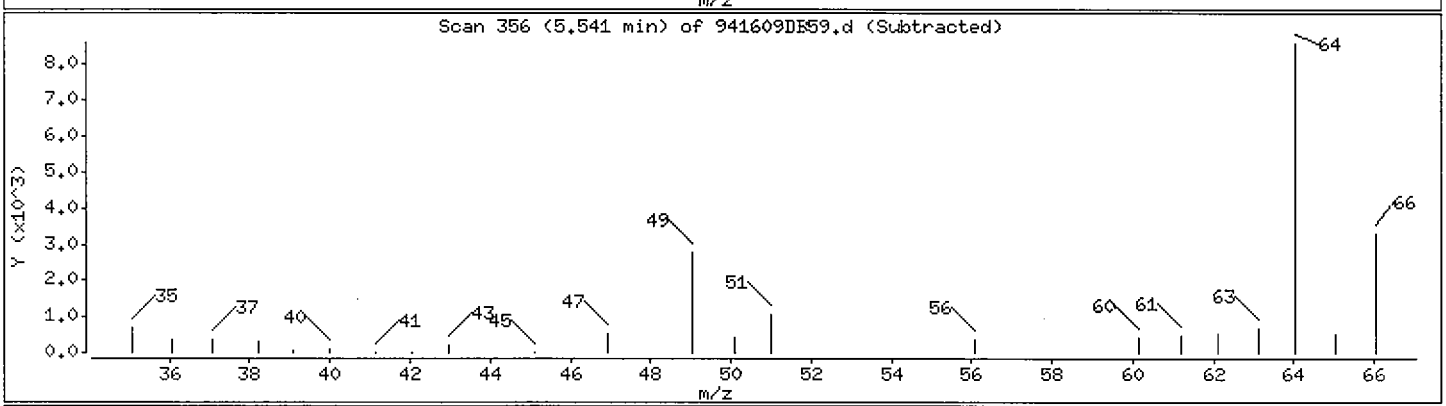
Column phase: ZB-624

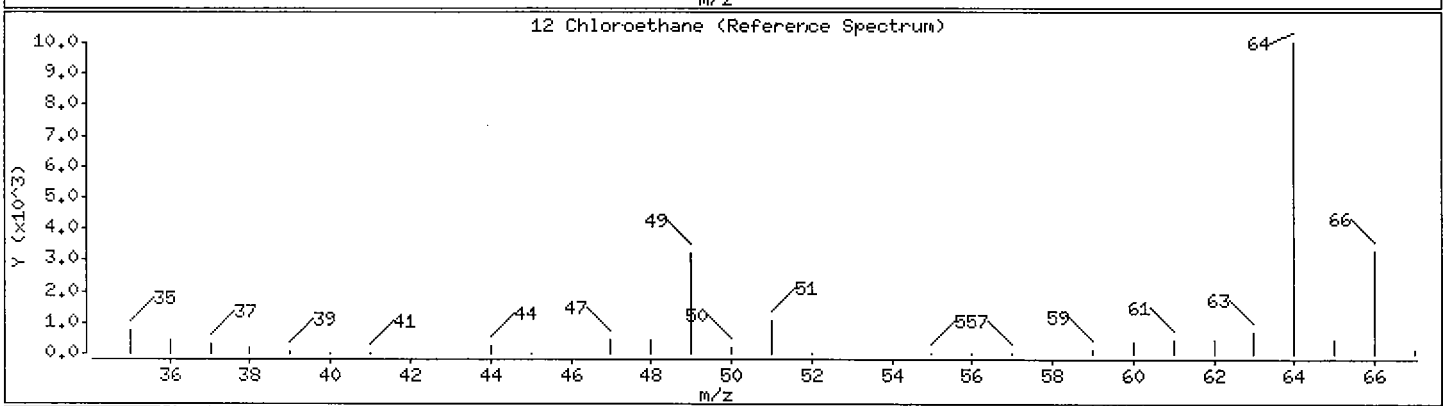
Column diameter: 0.32

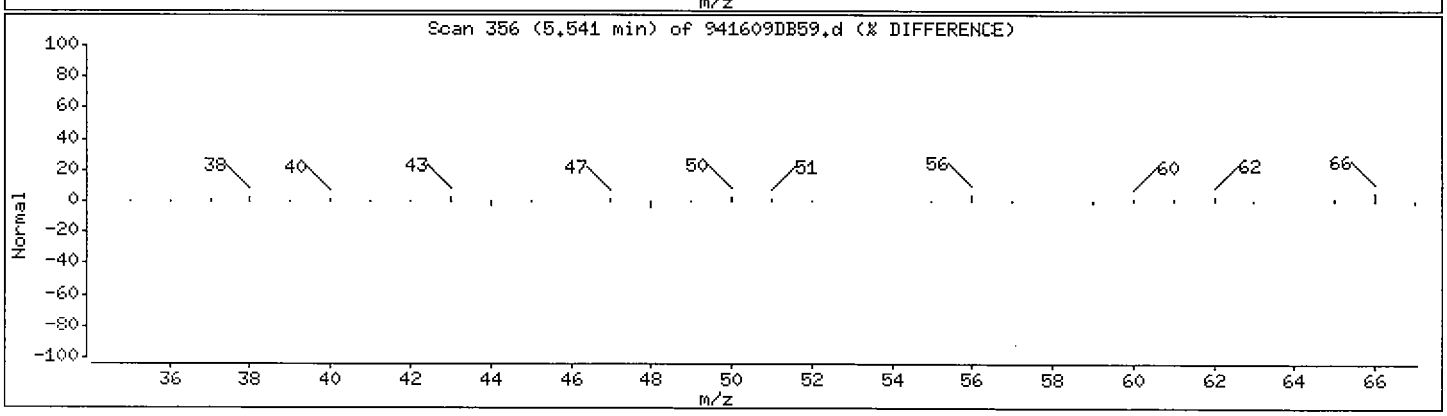
12 Chloroethane

Concentration: 100 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d

Date : 26-MAR-2006 00:23

Client ID: ACSGWMW06-27DL

Instrument: 5972hp59.i

Sample Info: 941609:2481

Purge Volume: 5.0

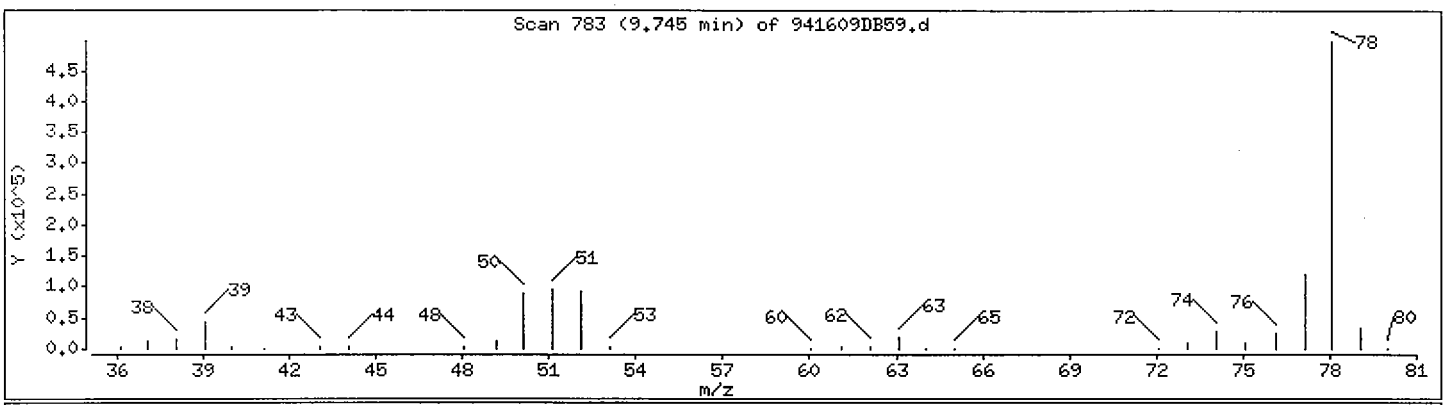
Operator: 2481

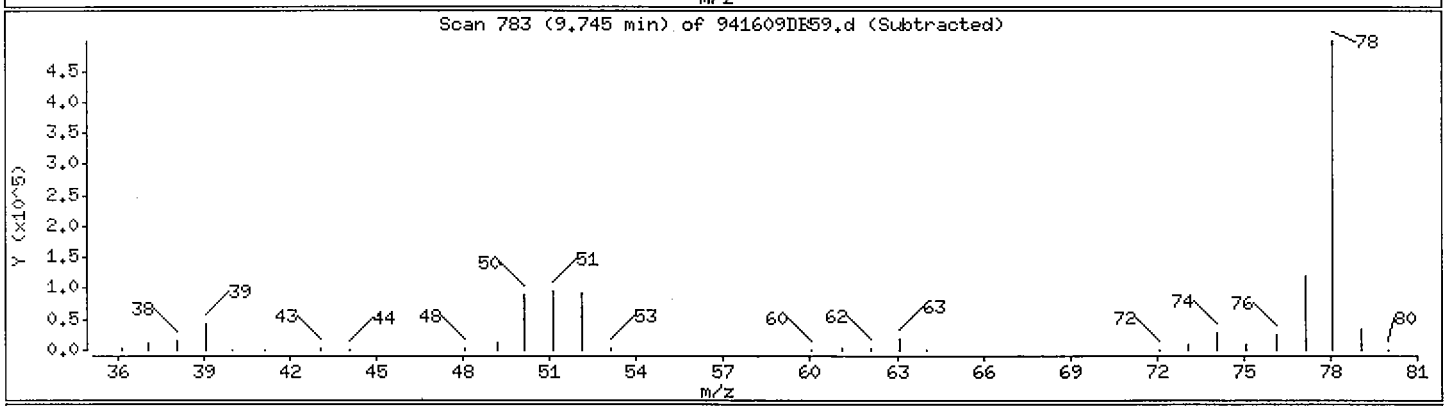
Column phase: ZB-624

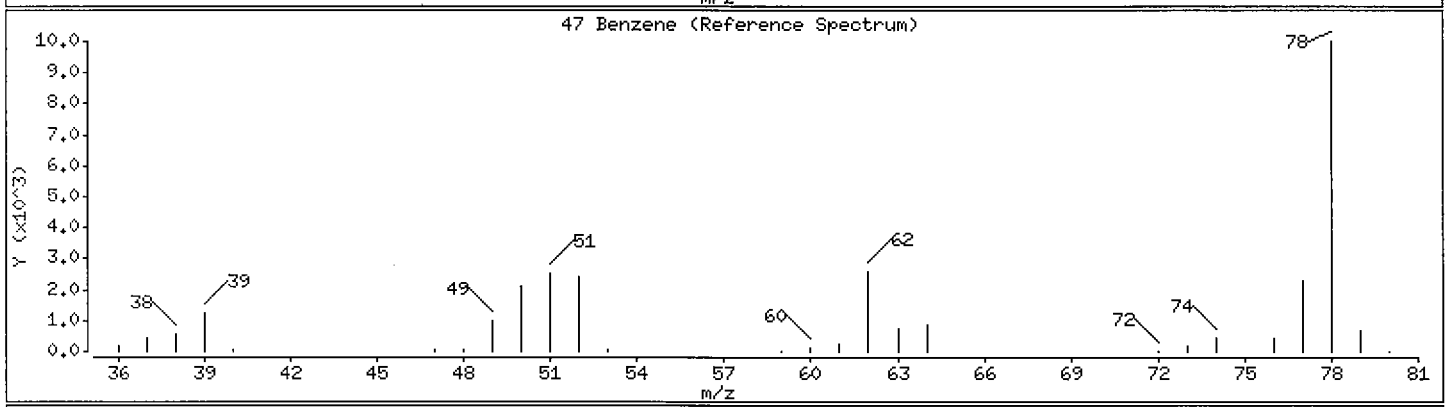
Column diameter: 0.32

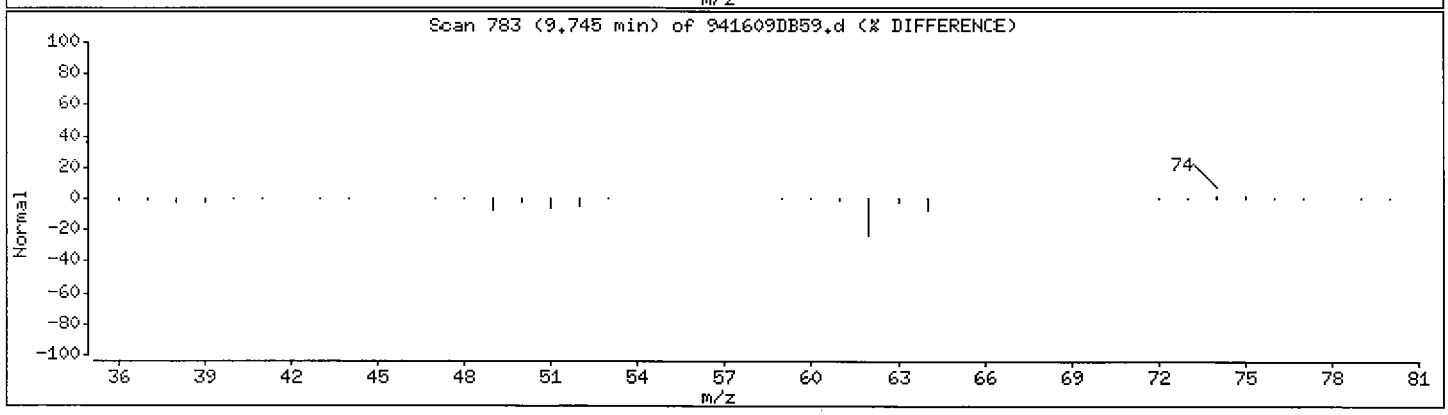
47 Benzene

Concentration: 590 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941609DB59.d
Lab Smp Id: 941609 Client Smp ID: ACSGWMW06-27DL
Inj Date : 26-MAR-2006 00:23
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	4.00000	Dilution Factor
Vo	5.00000	volume of water
DF	4.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.971	886282	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether $$ Ethane, 1,1'-oxybis- $$ A			CAS #: 60-29-7				
6.407	209758	59.1678993	47	90	NBS129K.l	377	1

Data File: /chem/5972hp59.i/DF060325B59.b/941609DB59.d

Date : 26-MAR-2006 00:23

Client ID: ACSGWMW06-27DL

Instrument: 5972hp59.i

Sample Info: 941609:2481

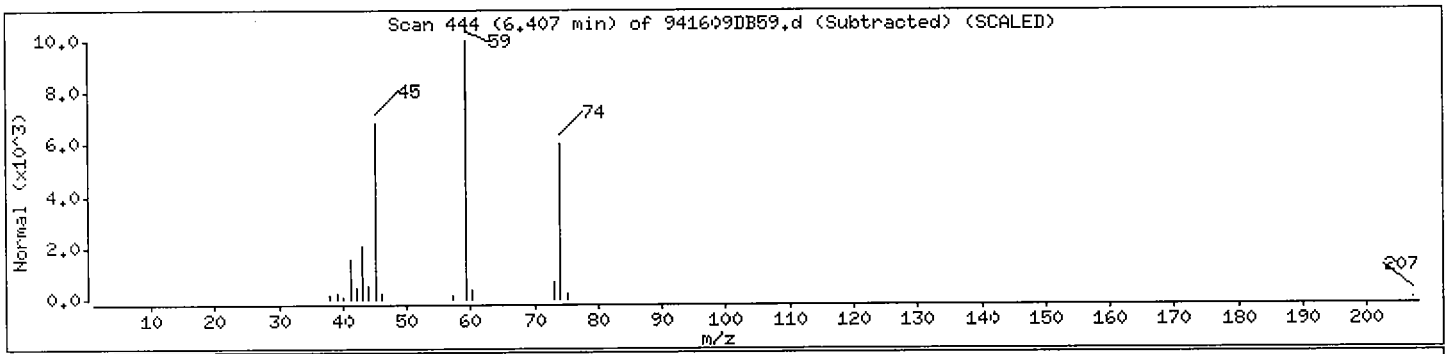
Purge Volume: 5.0

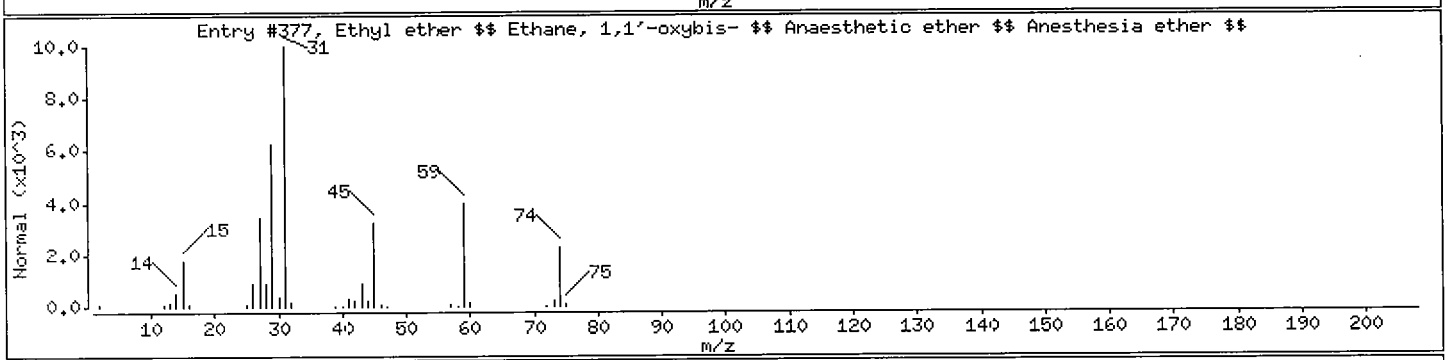
Operator: 2481

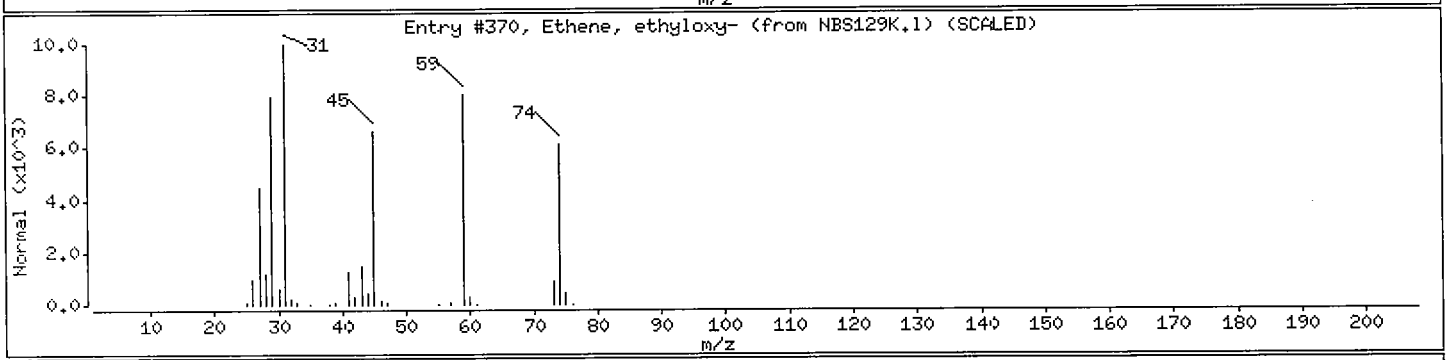
Column phase: ZB-624

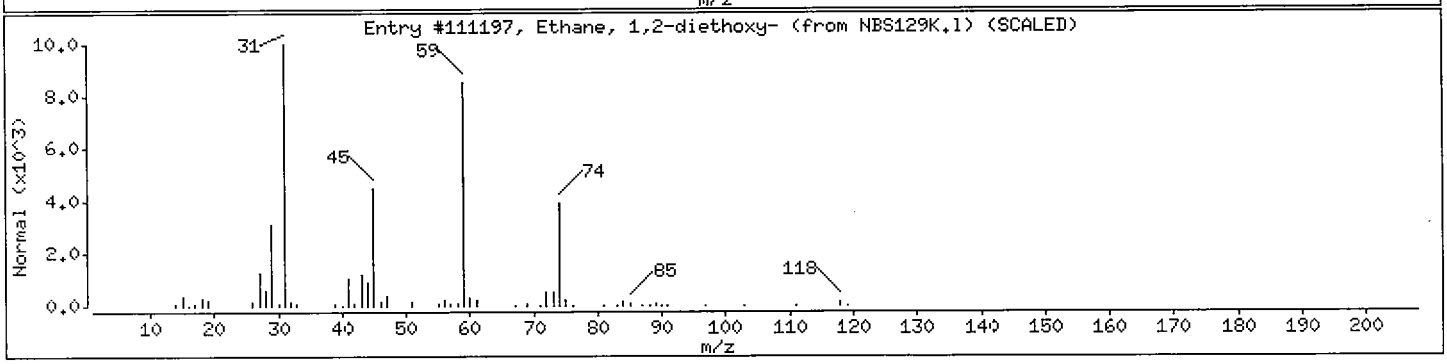
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether $$ Ethane, 1,1'-oxybis- $$ A	60-29-7	NBS129K.l	377	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	78	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111197	64	C6H14O2	118









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	3.2	J
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

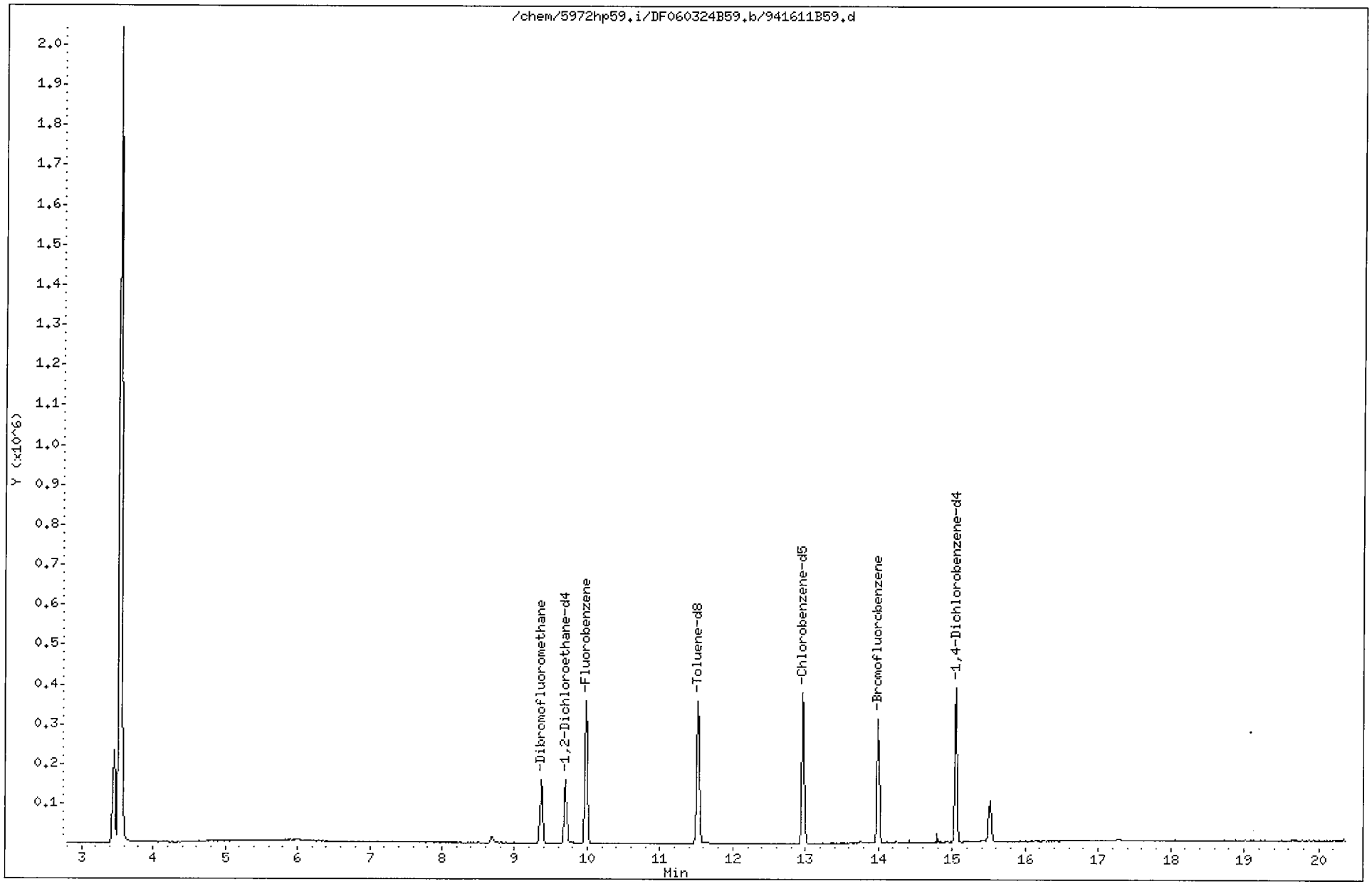
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	15.51	15	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d
Date : 25-MAR-2006 05:02
Client ID: ACSGWMW12-27
Sample Info: 941611:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941611B59.d
Lab Smp Id: 941611 Client Smp ID: ACSGWMW12-27
Inj Date : 25-MAR-2006 05:02
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941611:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.987	9.980	(1.000)	411439	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.963	(1.000)	261237	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.040	(1.000)	121443	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	115189	216.813	43
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	137587	247.173	49
$ 6 Toluene-d8	98	11.522	11.516	(0.889)	363358	232.019	46
$ 7 Bromofluorobenzene	95	13.994	13.987	(0.930)	146315	228.181	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d
Report Date: 27-Mar-2006 05:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	12.989	12.993	(1.002)	16975	15.8914	3.2(a)
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d

Date : 25-MAR-2006 05:02

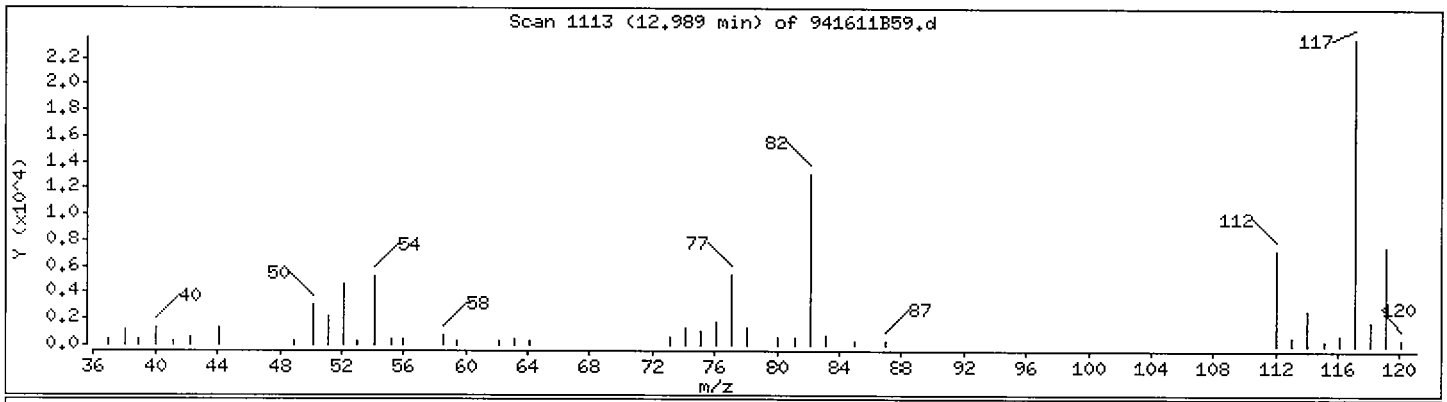
Client ID: ACSGWMW12-27 Instrument: 5972hp59.i

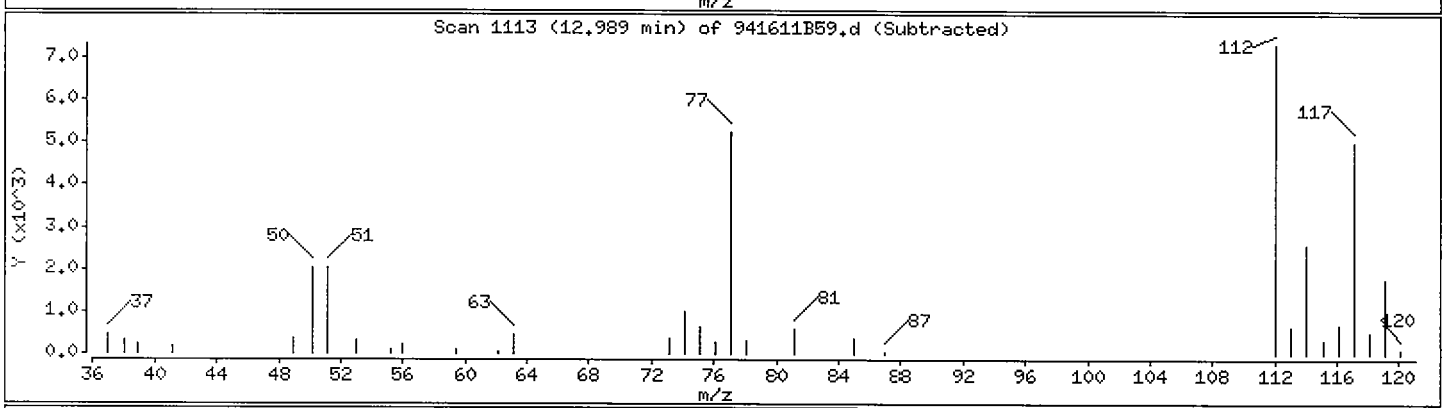
Sample Info: 941611:2481

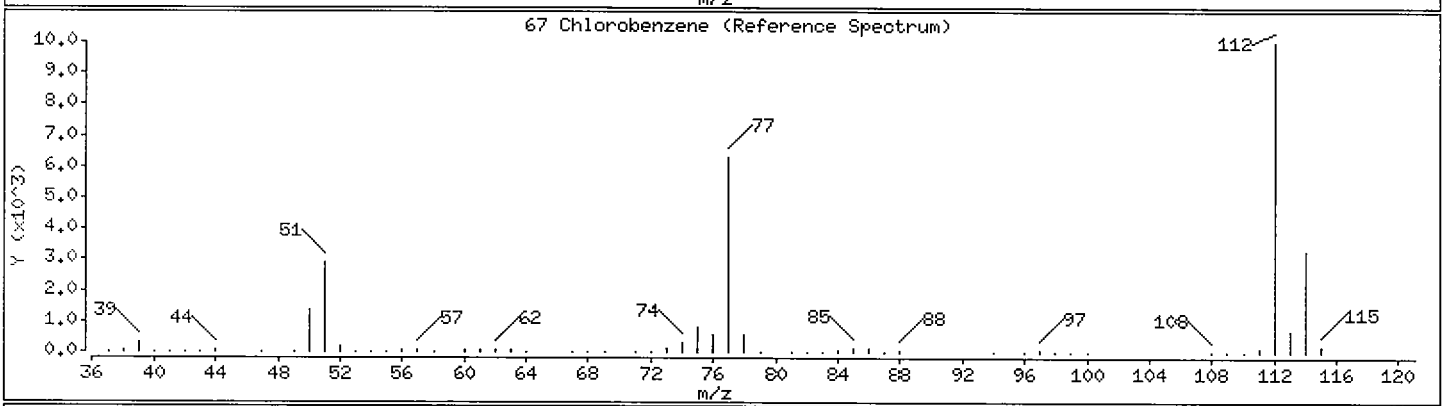
Purge Volume: 5.0 Operator: 2481

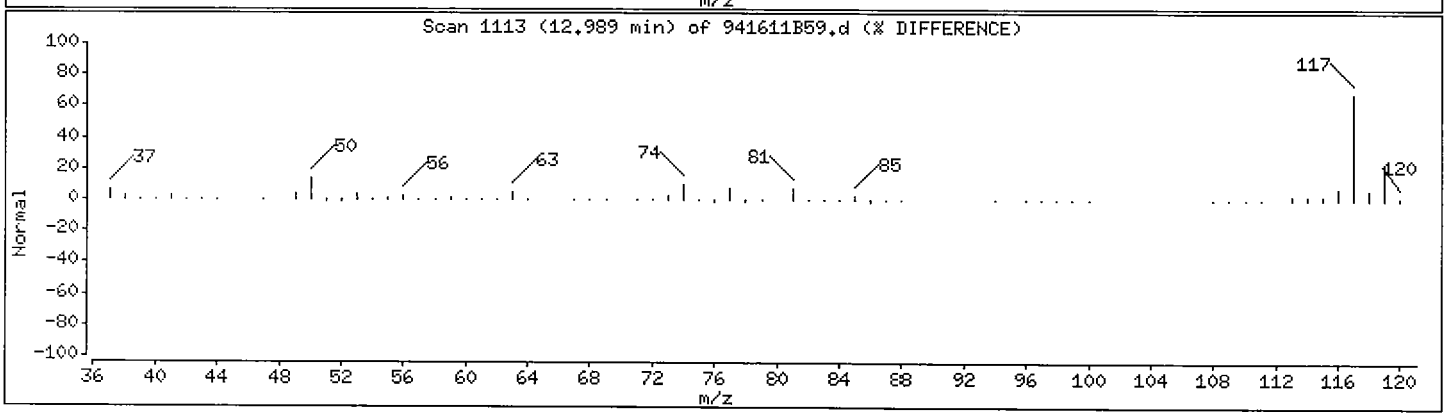
Column phase: ZB-624 Column diameter: 0.32

67 Chlorobenzene Concentration: 3.2 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941611B59.d
Lab Smp Id: 941611 Client Smp ID: ACSGWMW12-27
Inj Date : 25-MAR-2006 05:02
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941611:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 3 1,4-Dichlorobenzene-d4	15.047	835572	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
15.510	253505	75.8476564	15	0		0	3

Data File: /chem/5972hp59.i/DF060324B59.b/941611B59.d

Date : 25-MAR-2006 05:02

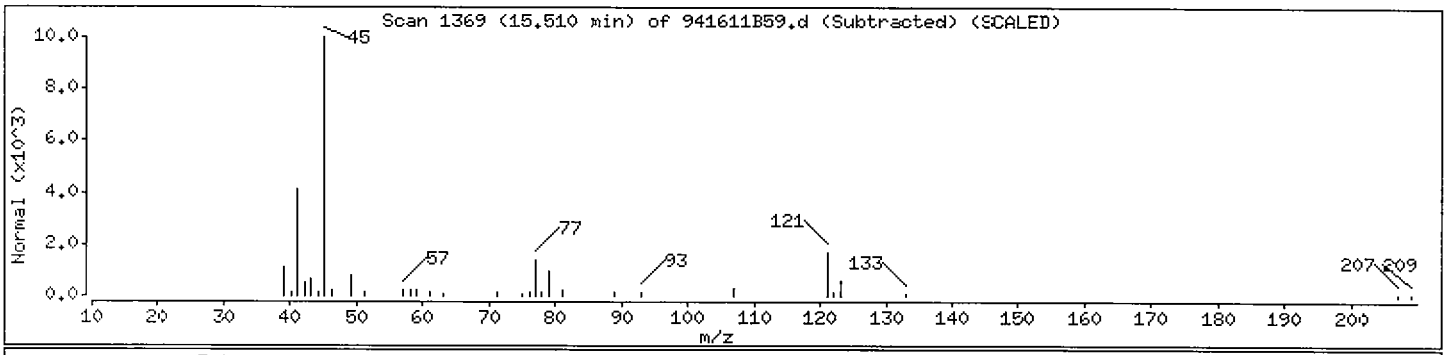
Client ID: ACSGWMW12-27 Instrument: 5972hp59.i

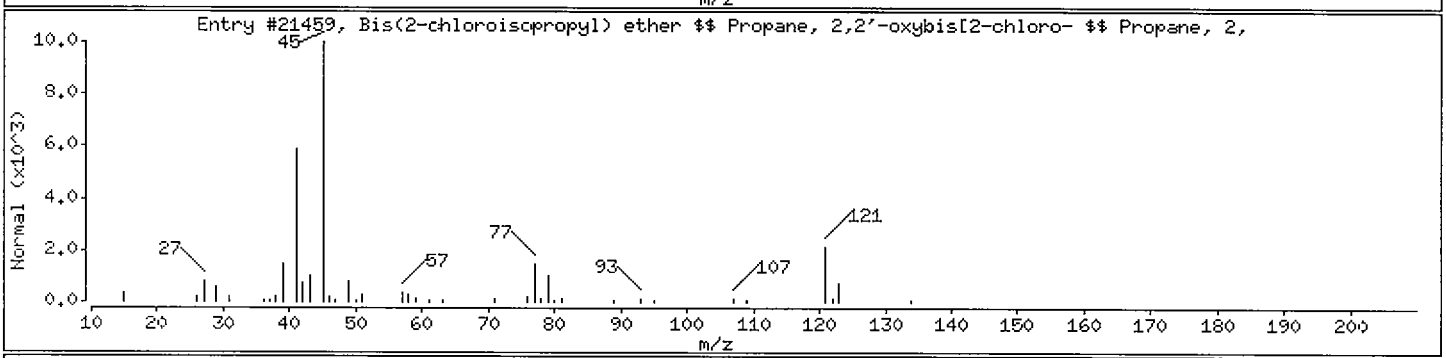
Sample Info: 941611:2481

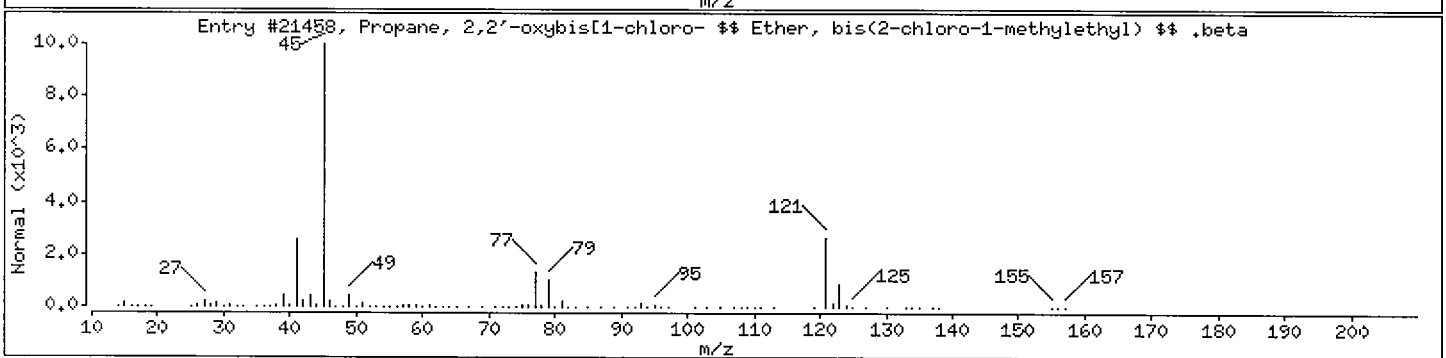
Purge Volume: 5.0 Operator: 2481

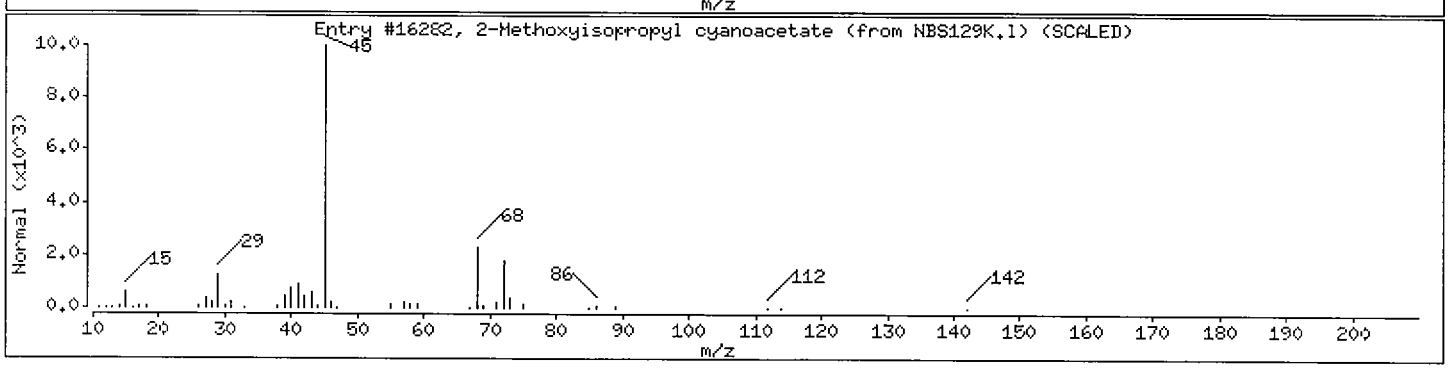
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bis(2-chloroisopropyl) ether $$ Propane,	39638-32-9	NBS129K.l	21459	83	C6H12Cl2O	170
Propane, 2,2'-oxybis[1-chloro- $$ Ether,	108-60-1	NBS129K.l	21458	47	C6H12Cl2O	170
2-Methoxyisopropyl cyanoacetate	0-00-0	NBS129K.l	16282	38	C7H11NO3	157









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	1.1	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

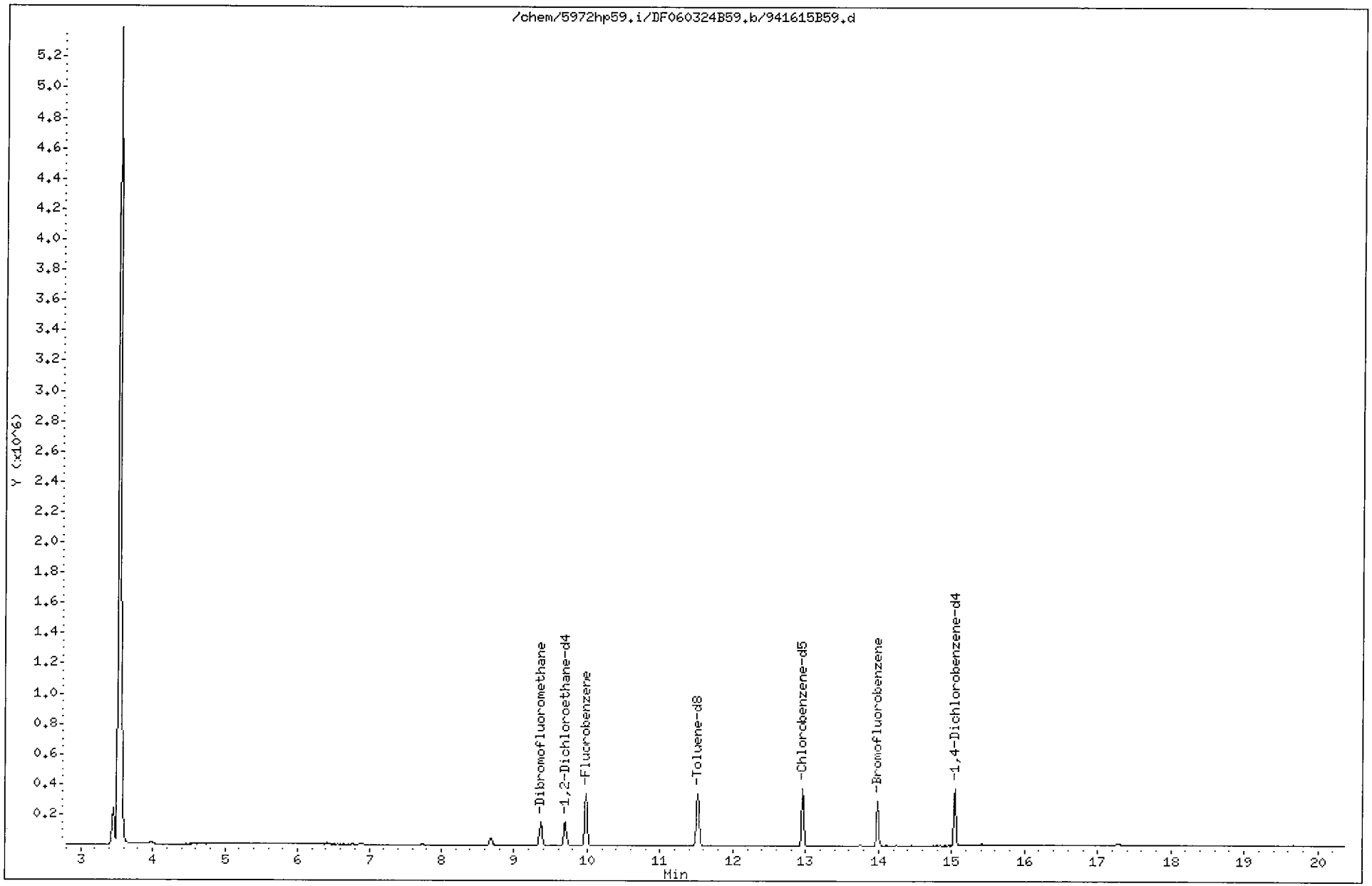
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d
Date : 25-MAR-2006 06:56
Client ID: ACSGWMW15-27
Sample Info: 941615;2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941615B59.d
Lab Smp Id: 941615 Client Smp ID: ACSGWMW15-27
Inj Date : 25-MAR-2006 06:56
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941615:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.986	9.980	(1.000)	402576	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.963	(1.000)	252897	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.040	(1.000)	119171	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	113343	218.035	44
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	138178	253.700	51
$ 6 Toluene-d8	98	11.522	11.516	(0.889)	355420	234.435	47
$ 7 Bromofluorobenzene	95	13.983	13.987	(0.929)	144852	230.206	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d
Report Date: 27-Mar-2006 05:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.741	7.735	(0.775)	5943	5.48265	1.1(a)
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d

Date : 25-MAR-2006 06:56

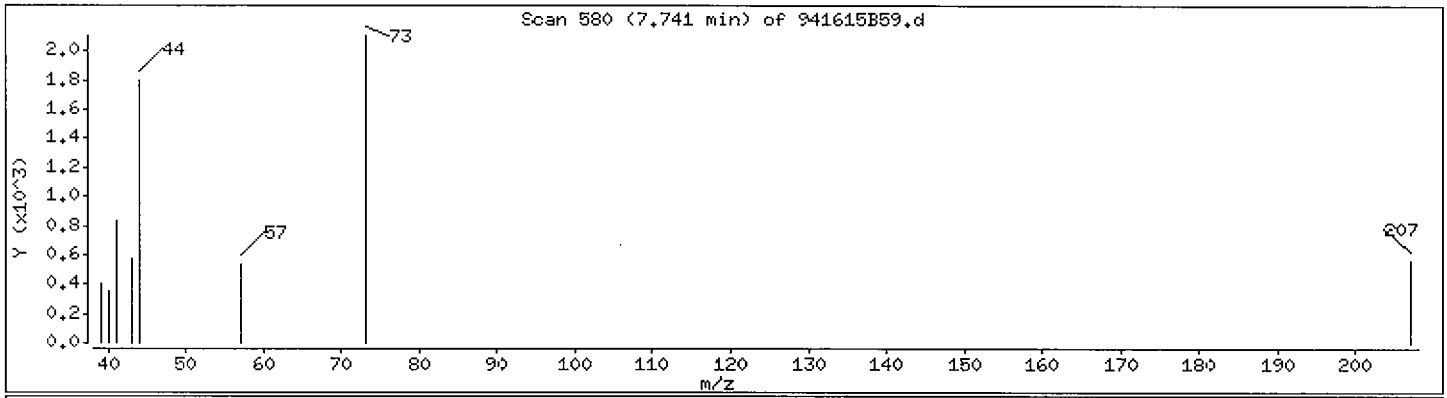
Client ID: ACSGWMW15-27 Instrument: 5972hp59.i

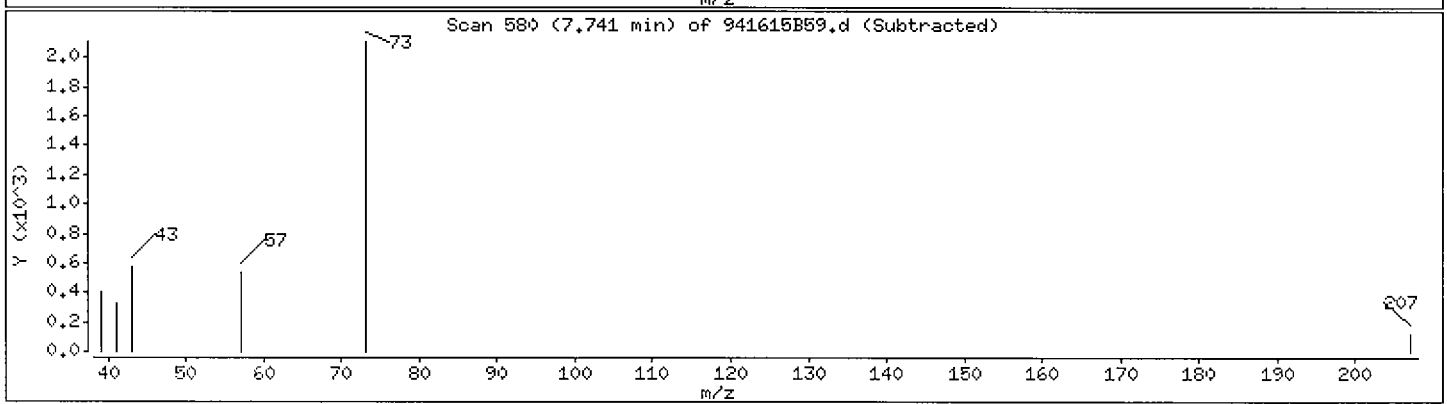
Sample Info: 941615:2481

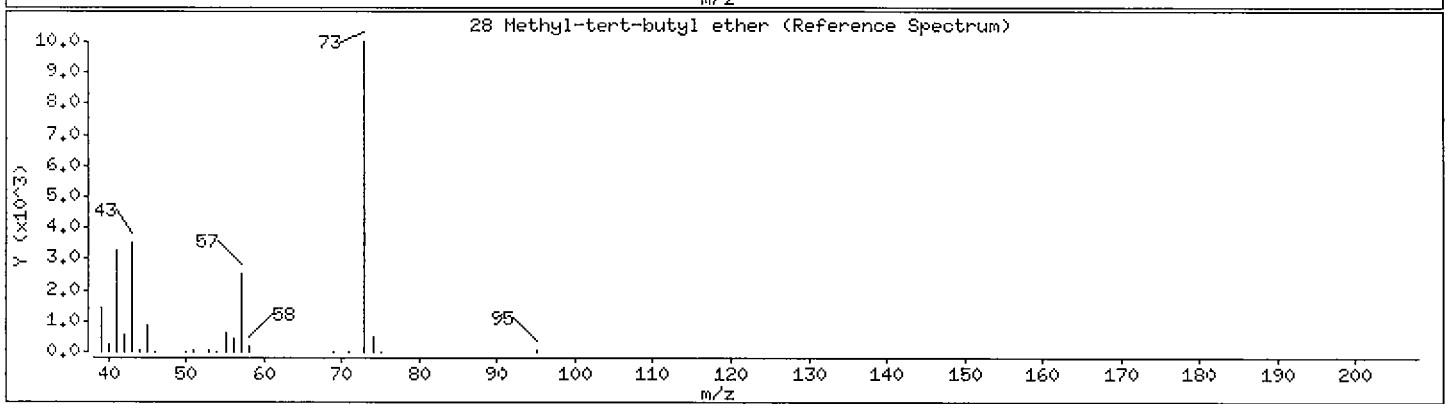
Purge Volume: 5.0 Operator: 2481

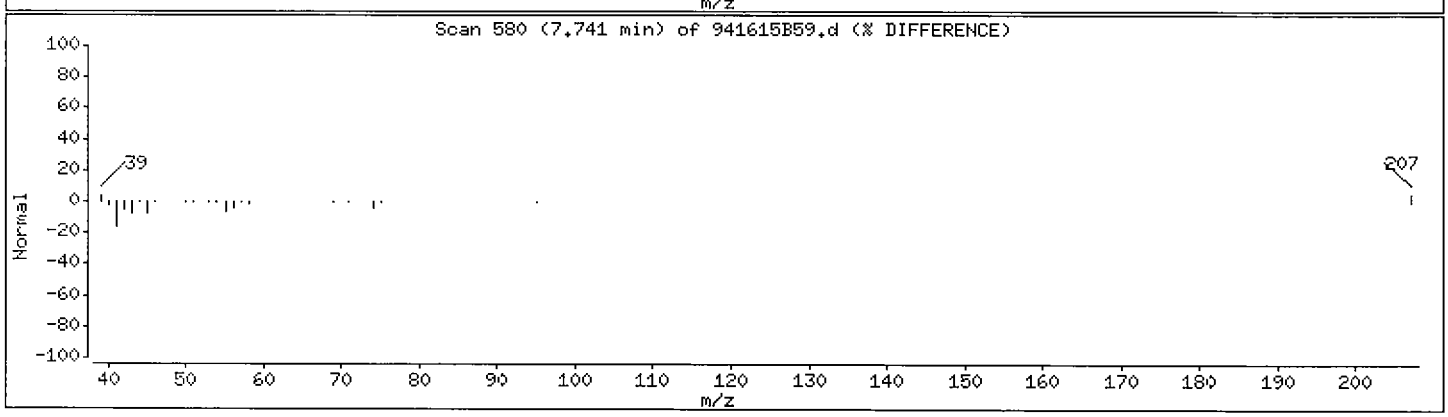
Column phase: ZB-624 Column diameter: 0.32

28 Methyl-tert-butyl ether Concentration: 1.1 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941615B59.d
Lab Smp Id: 941615 Client Smp ID: ACSGWMW15-27
Inj Date : 25-MAR-2006 06:56
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941615:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.986	894861	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.687	151251	42.2554088	8.5	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941615B59.d

Date : 25-MAR-2006 06:56

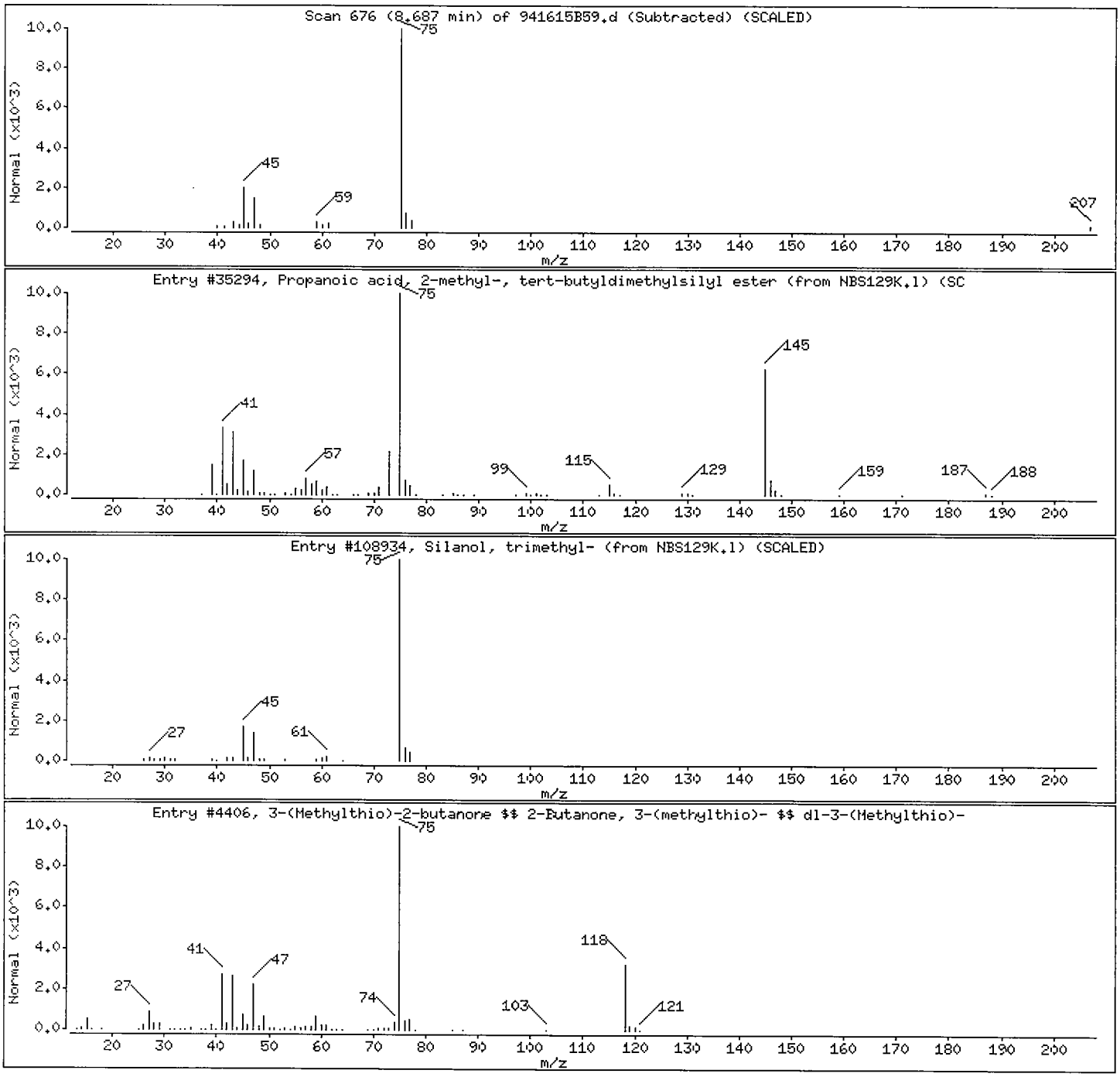
Client ID: ACSGWMW15-27 Instrument: 5972hp59.i

Sample Info: 941615:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-methyl-, tert-butyldim	0-00-0	NBS129K.l	35294	83	C10H22O2Si	202
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	83	C3H10OSi	90
3-(Methylthio)-2-butanone $$ 2-Butanone,	53475-15-3	NBS129K.l	4406	72	C5H10OS	118



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	9.4	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

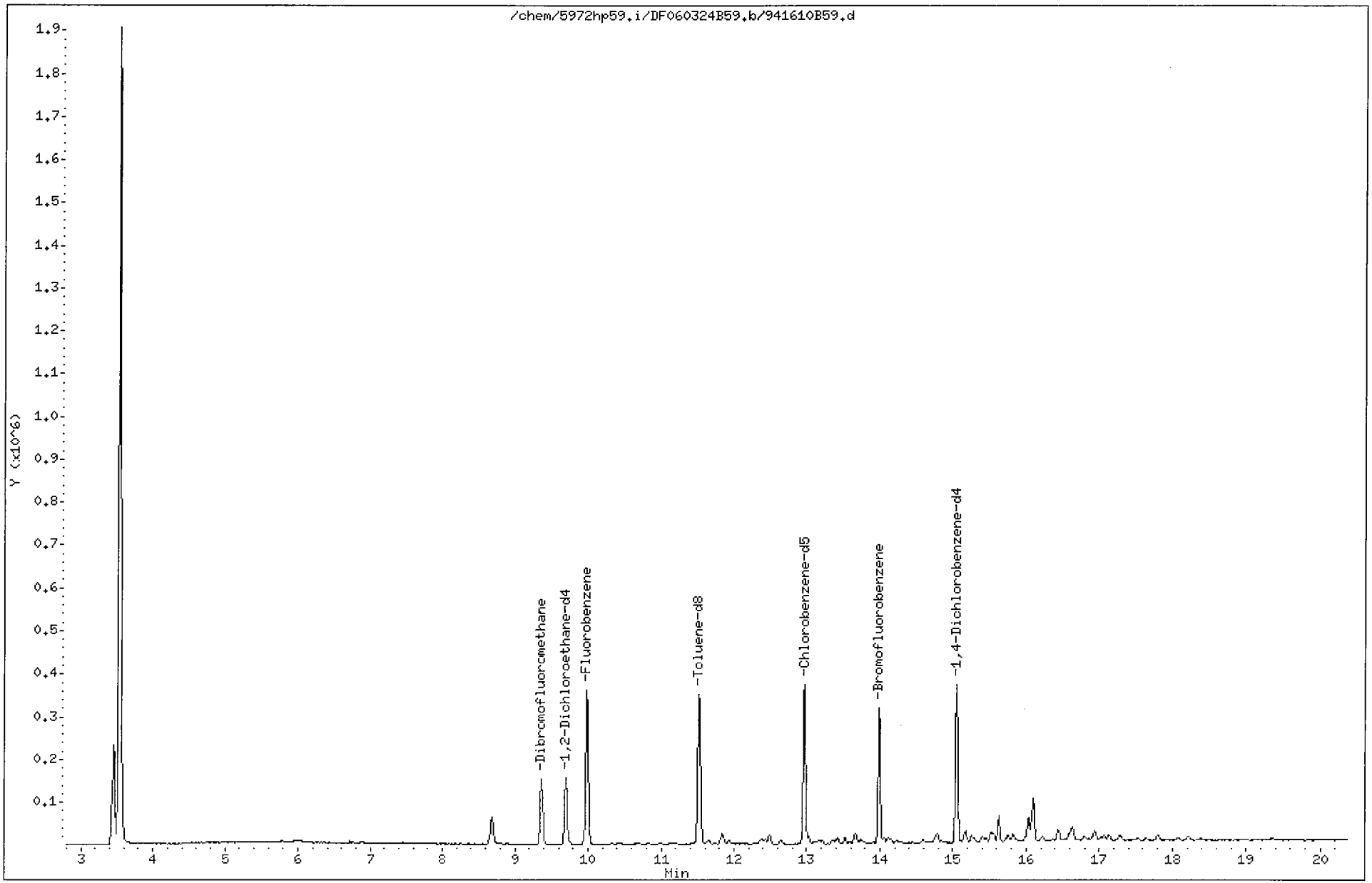
Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.62	7.5	NJ
3.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	16.04	9.3	NJ
4.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	16.10	15	NJ
5.		SUBSTITUTED BENZENE	16.94	6.5	J
6.	53172-84-2	BENZENE, (1-METHYL-1-BUTENYL	17.14	5.9	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d
Date : 25-MAR-2006 04:33
Client ID: ACSGWMW17-27
Instrument: 5972hp59.i
Sample Info: 941610;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941610B59.d
Lab Smp Id: 941610 Client Smp ID: ACSGWMW17-27
Inj Date : 25-MAR-2006 04:33
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941610:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.983	9.980	(1.000)	408107	250.000	
* 2 Chlorobenzene-d5	117	12.966	12.963	(1.000)	259543	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.053	15.040	(1.000)	123005	250.000	
$ 4 Dibromofluoromethane	113	9.372	9.360	(0.939)	115413	219.008	44
$ 5 1,2-Dichloroethane-d4	65	9.707	9.694	(0.972)	139045	251.832	50
$ 6 Toluene-d8	98	11.518	11.516	(0.888)	360955	231.989	46
$ 7 Bromofluorobenzene	95	13.989	13.987	(0.929)	154633	238.091	48
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.881	6.879	(0.689)	7351	46.8280	9.4(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

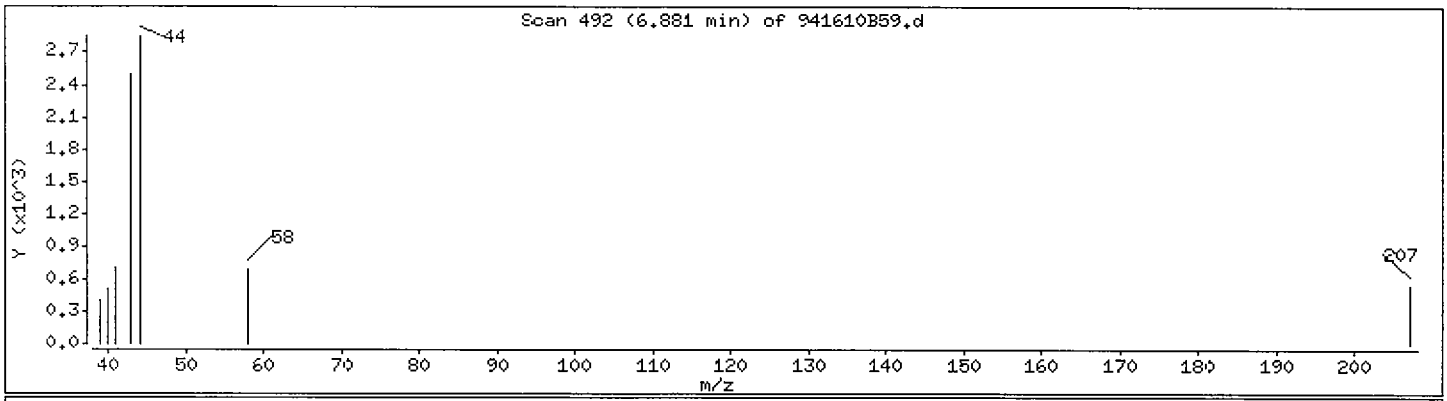
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

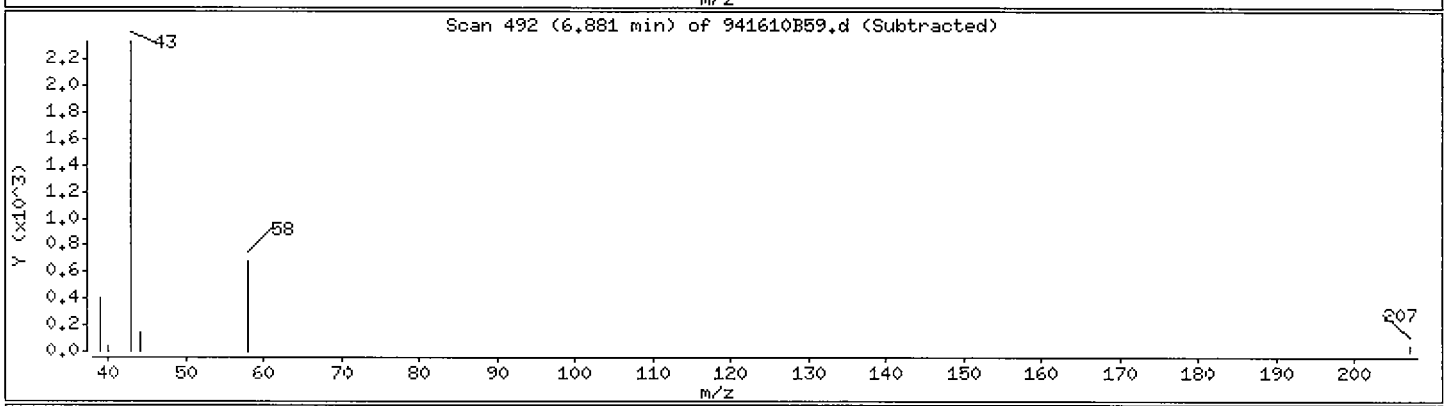
Sample Info: 941610:2481

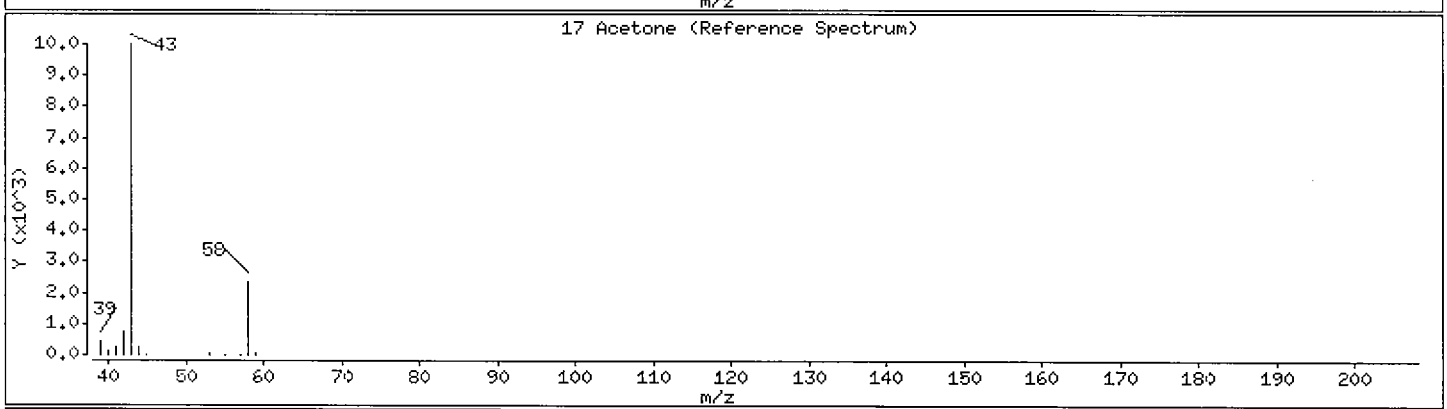
Purge Volume: 5.0 Operator: 2481

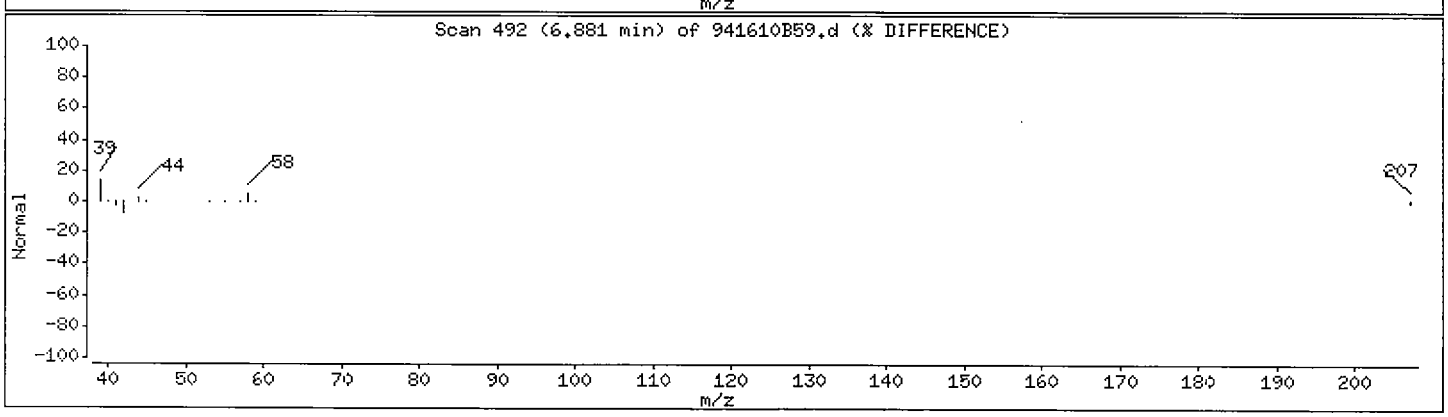
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 9.4 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941610B59.d
Lab Smp Id: 941610 Client Smp ID: ACSGWMW17-27
Inj Date : 25-MAR-2006 04:33
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941610:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.983	895987	250.000
* 3 1,4-Dichlorobenzene-d4	15.053	852622	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.683	192955	53.8385430	11	0		0	1
Benzene, 1-ethyl-2,3-dimethyl-				CAS #: 933-98-2			
15.624	128551	37.6926967	7.5	96	NBS129K.l	112958	3

Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d
Report Date: 27-Mar-2006 05:01

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, 1,2,4,5-tetramethyl-					CAS #: 95-93-2		
16.037	158432	46.4542992	9.3	91	NBS129K.l	112984	3
Benzene, 1,2,3,5-tetramethyl- $$ Isodure					CAS #: 527-53-7		
16.096	256214	75.1252900	15	95	NBS129K.l	8132	3
Substituted Benzene					CAS #:		
16.943	110306	32.3432793	6.5	0		0	3
Benzene, (1-methyl-1-butenyl)-					CAS #: 53172-84-2		
17.140	100266	29.3992074	5.9	90	NBS129K.l	12132	3

Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

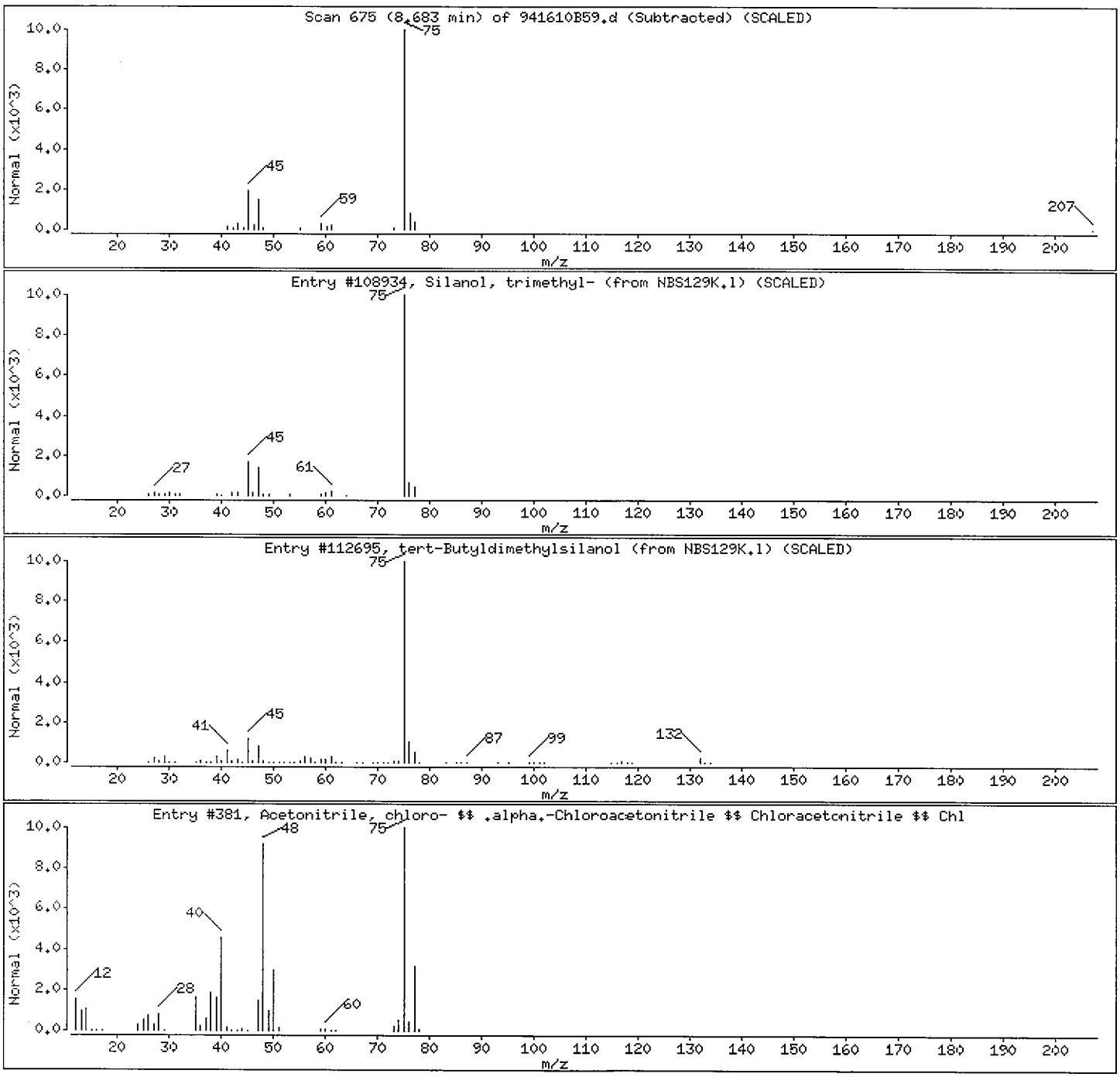
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	64	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	39	C6H16OSi	132
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

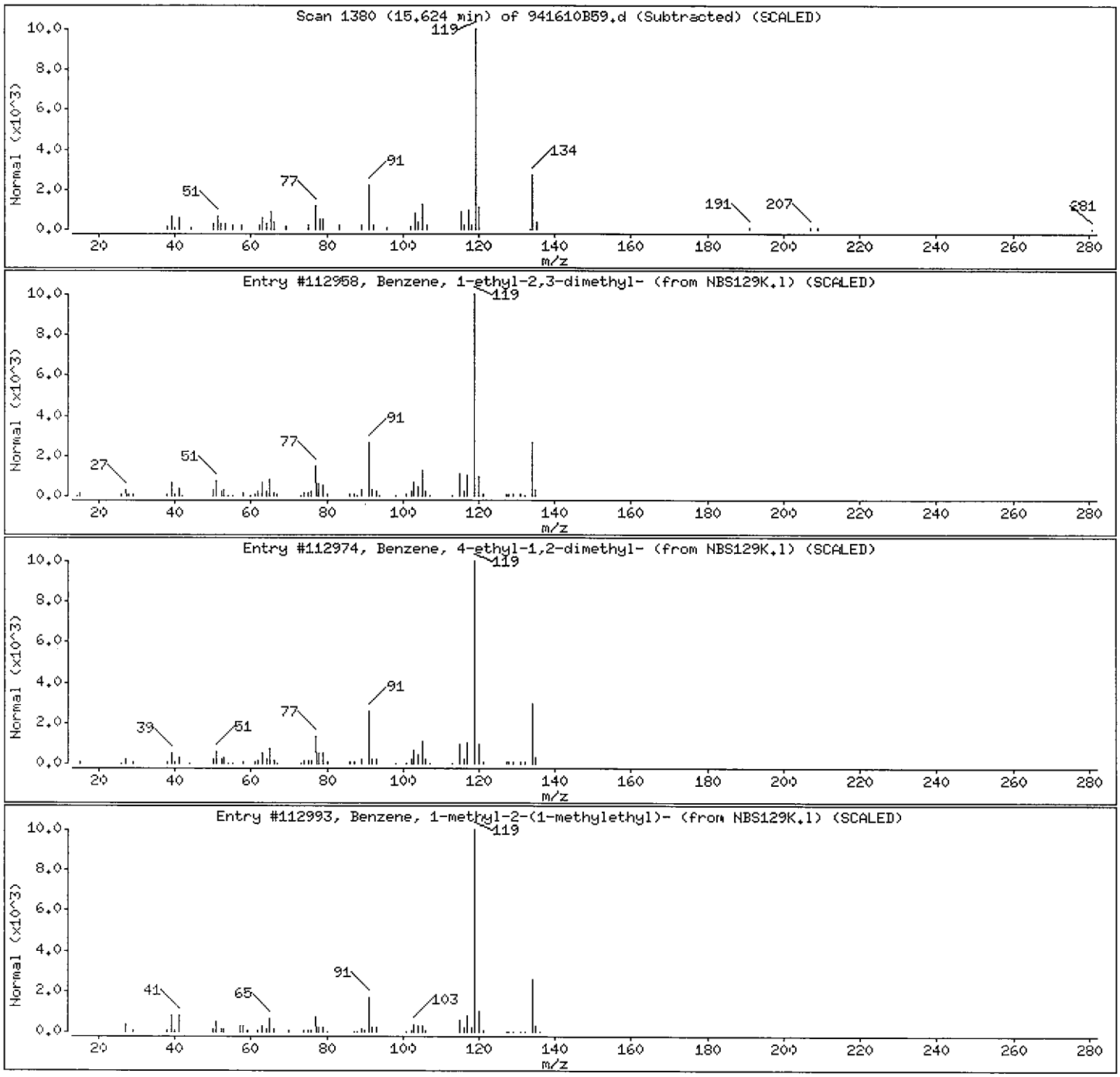
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS129K.l	112958	96	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS129K.l	112974	96	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS129K.l	112993	95	C10H14	134



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

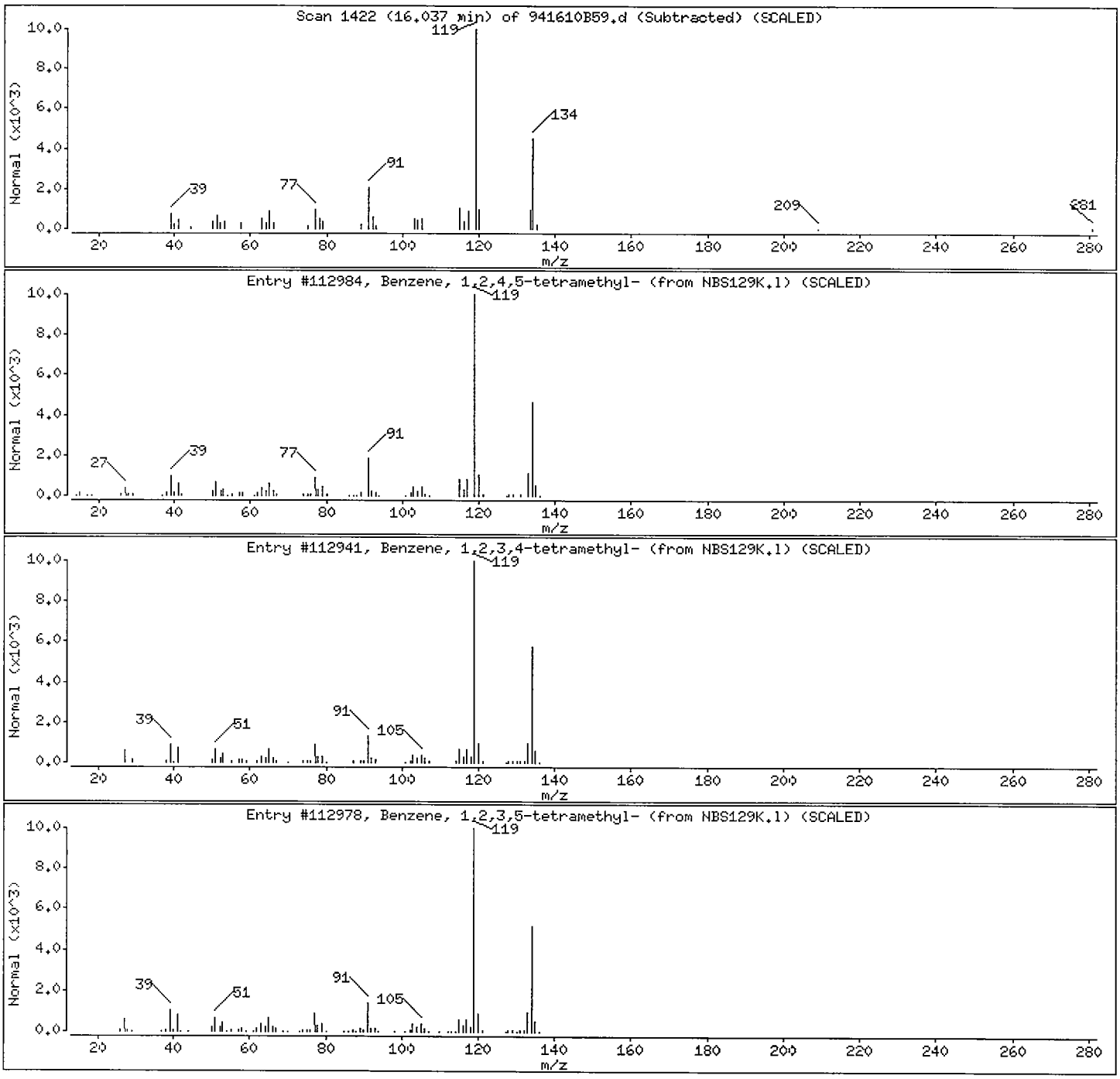
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS129K.l	112984	91	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS129K.l	112941	91	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS129K.l	112978	91	C10H14	134



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

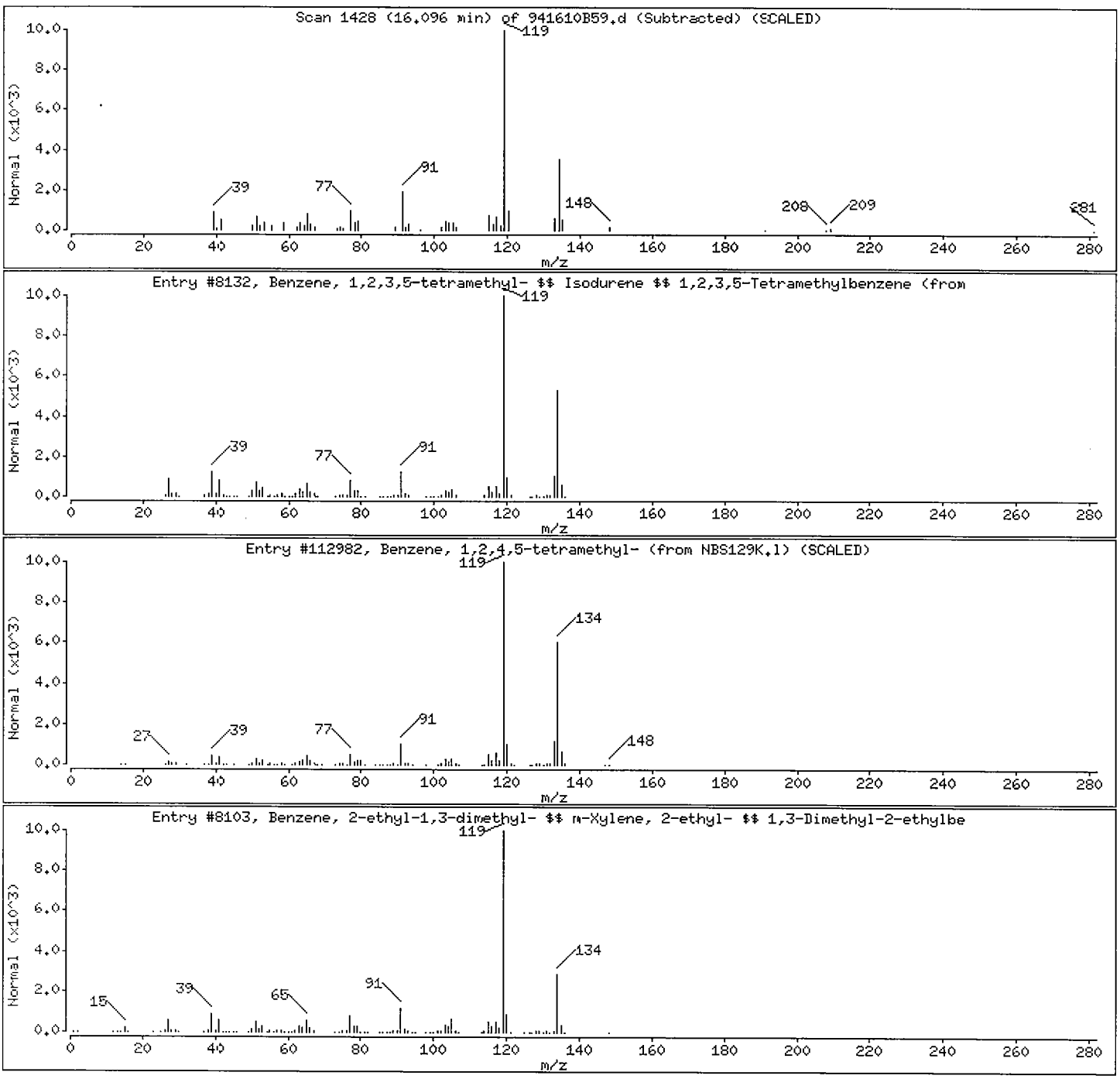
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl- $$ Isodure	527-53-7	NBS129K.l	8132	95	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS129K.l	112982	94	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl- $$ m-Xyle	2870-04-4	NBS129K.l	8103	94	C10H14	134



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

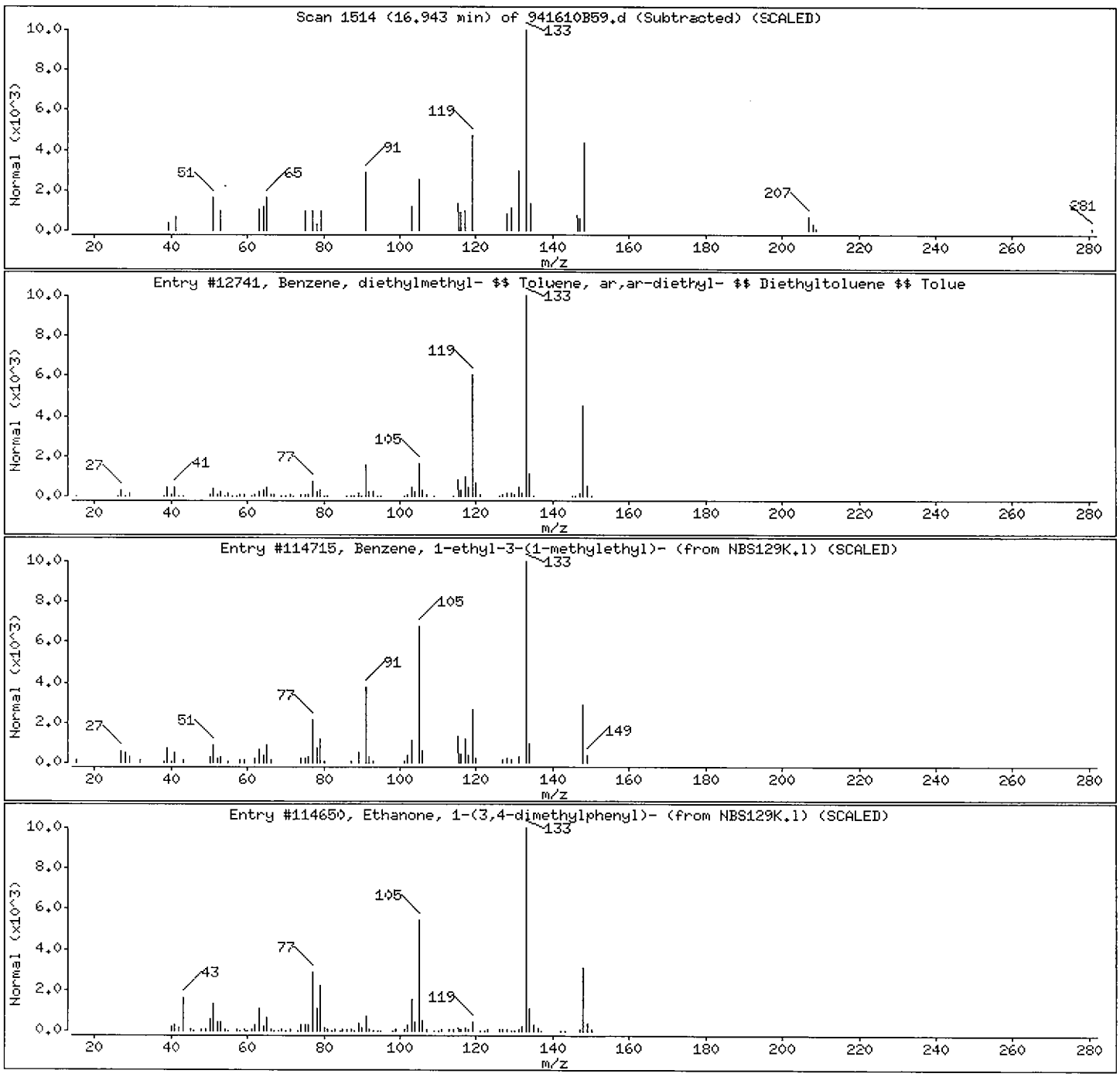
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Substituted Benzene						
Benzene, diethylmethyl- $$ Toluene, ar,a	25550-13-4	NBS129K.l	12741	72	C11H16	148
Benzene, 1-ethyl-3-(1-methylethyl)-	4920-99-4	NBS129K.l	114715	53	C11H16	148
Ethanone, 1-(3,4-dimethylphenyl)-	3637-01-2	NBS129K.l	114650	52	C10H12O	148



Data File: /chem/5972hp59.i/DF060324B59.b/941610B59.d

Date : 25-MAR-2006 04:33

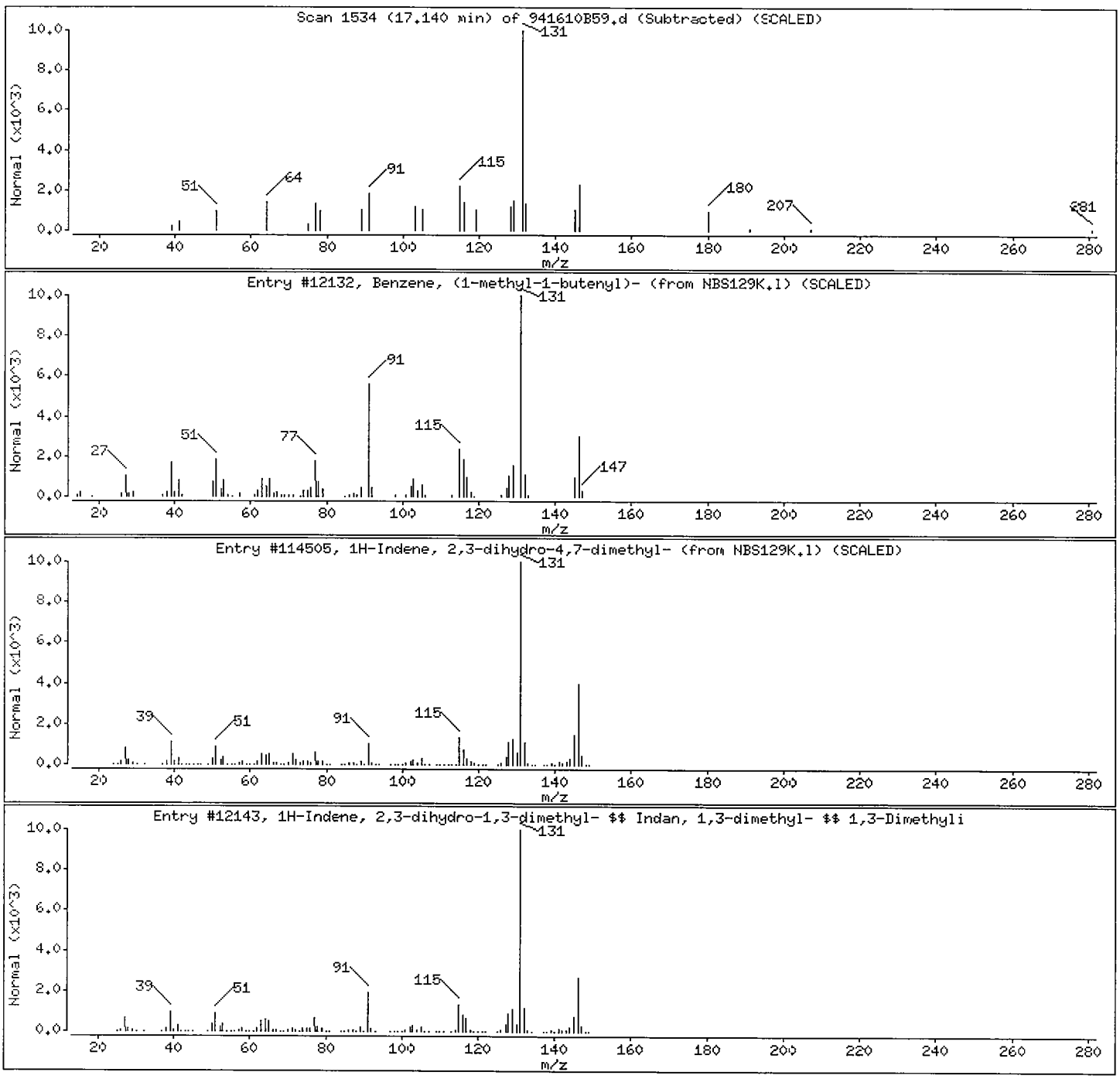
Client ID: ACSGWMW17-27 Instrument: 5972hp59.i

Sample Info: 941610:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methyl-1-butenyl)-	53172-84-2	NBS129K.l	12132	90	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS129K.l	114505	90	C11H14	146
1H-Indene, 2,3-dihydro-1,3-dimethyl- $$	4175-53-5	NBS129K.l	12143	90	C11H14	146



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	8.9	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	6.1	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

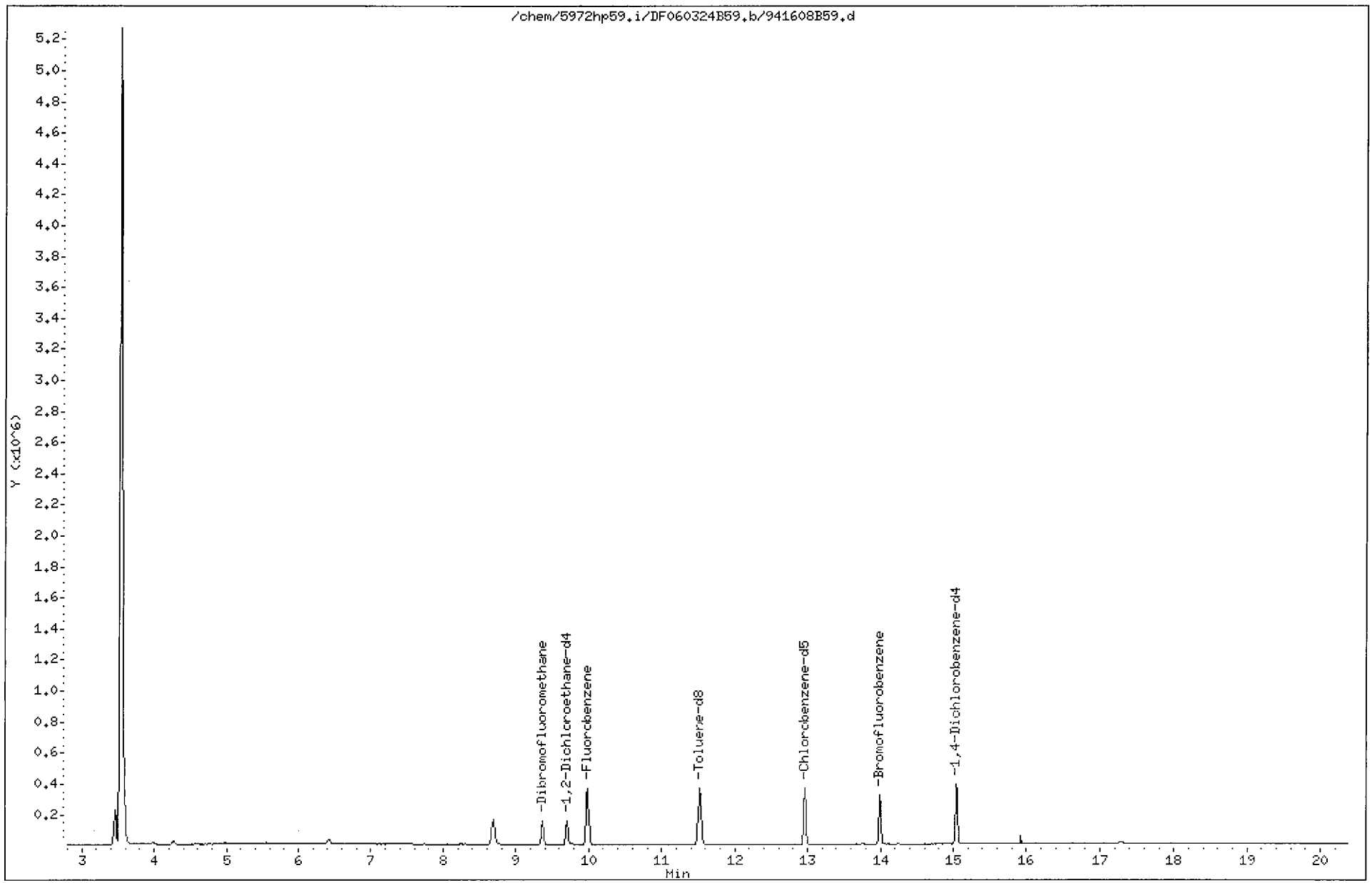
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.69	27	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d
Date : 25-MAR-2006 03:36
Client ID: ACSGWMW19-27 Instrument: 5972hp59.i
Sample Info: 941608;2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941608B59.d
Lab Smp Id: 941608 Client Smp ID: ACSGWMW19-27
Inj Date : 25-MAR-2006 03:36
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941608:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.985	9.980	(1.000)	417562	250.000	
* 2 Chlorobenzene-d5	117	12.968	12.963	(1.000)	264794	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.045	15.040	(1.000)	124883	250.000	
$ 4 Dibromofluoromethane	113	9.365	9.360	(0.938)	117990	218.829	44
$ 5 1,2-Dichloroethane-d4	65	9.700	9.694	(0.971)	139744	247.367	49
$ 6 Toluene-d8	98	11.521	11.516	(0.888)	371974	234.330	47
$ 7 Bromofluorobenzene	95	13.992	13.987	(0.930)	150763	228.641	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.545	5.530	(0.555)	9981	44.6085	8.9
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.884	6.879	(0.689)	6026	30.4506	6.1(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d

Date : 25-MAR-2006 03:36

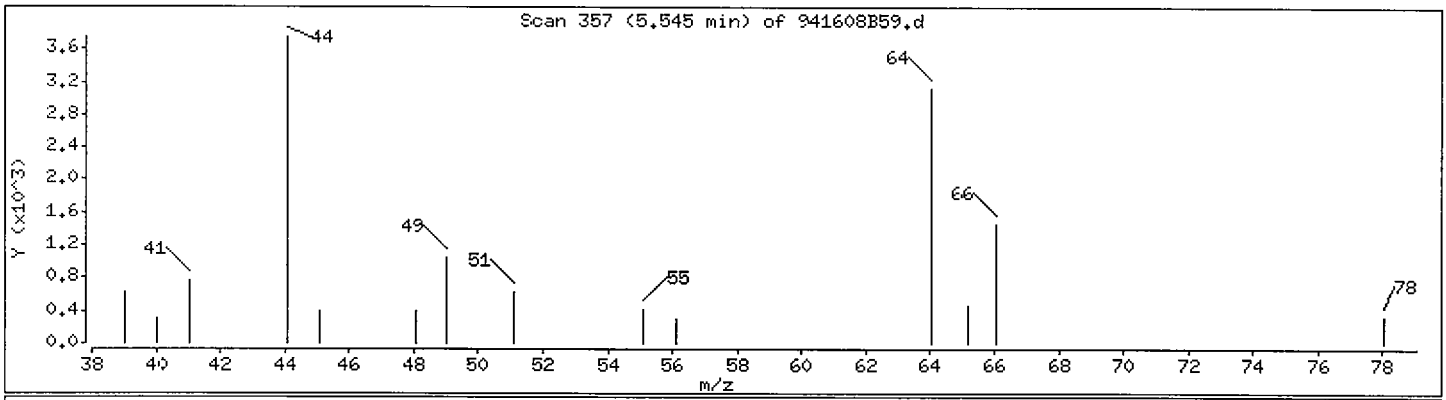
Client ID: ACSGWMW19-27 Instrument: 5972hp59.i

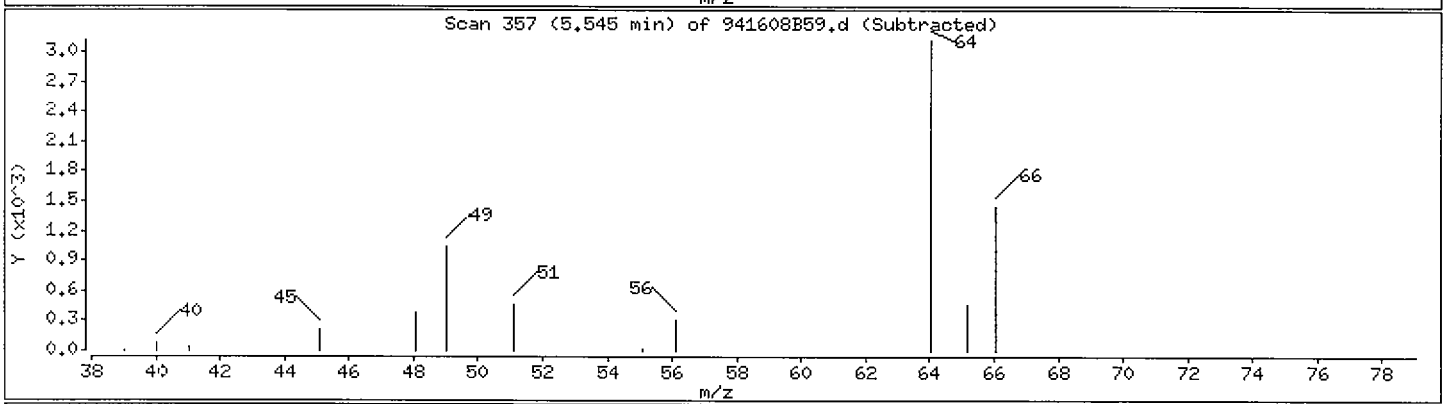
Sample Info: 941608:2481

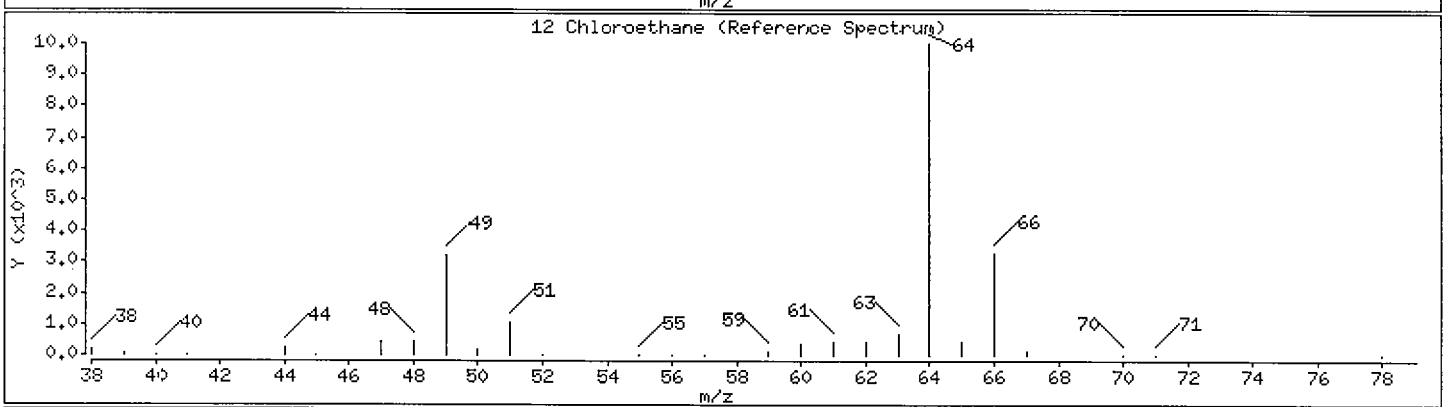
Purge Volume: 5.0 Operator: 2481

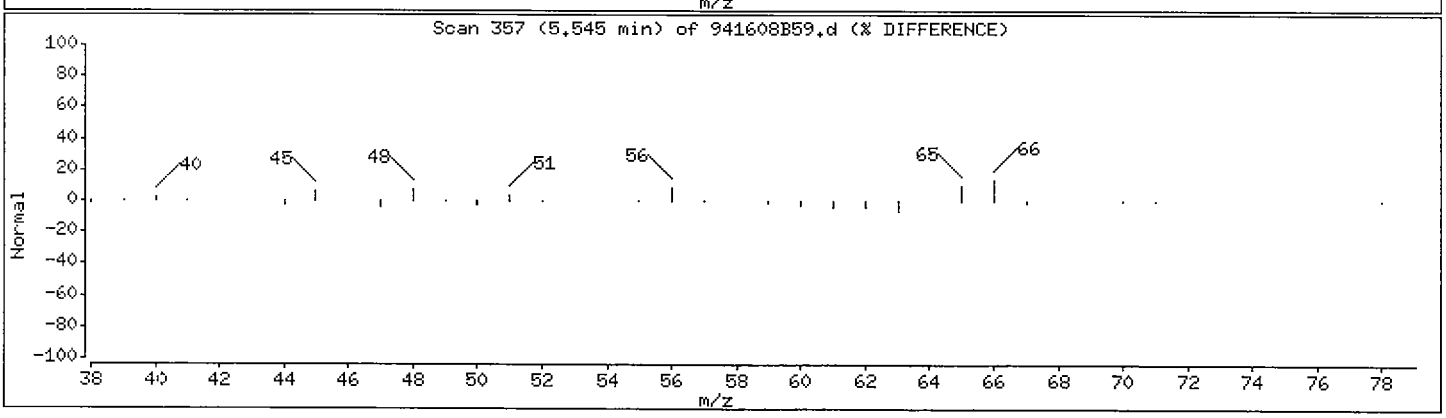
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 8.9 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d

Date : 25-MAR-2006 03:36

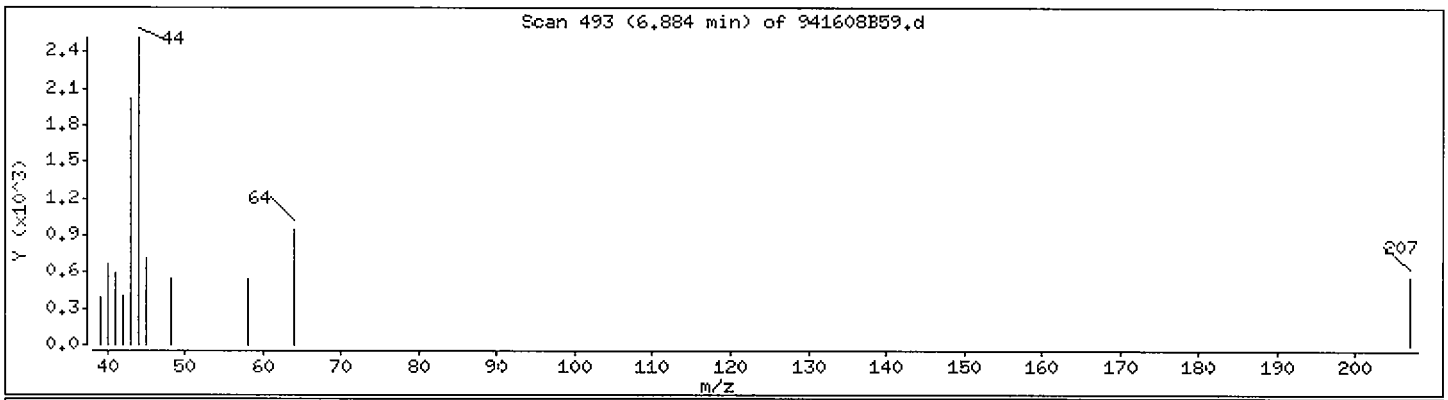
Client ID: ACSGWMW19-27 Instrument: 5972hp59.i

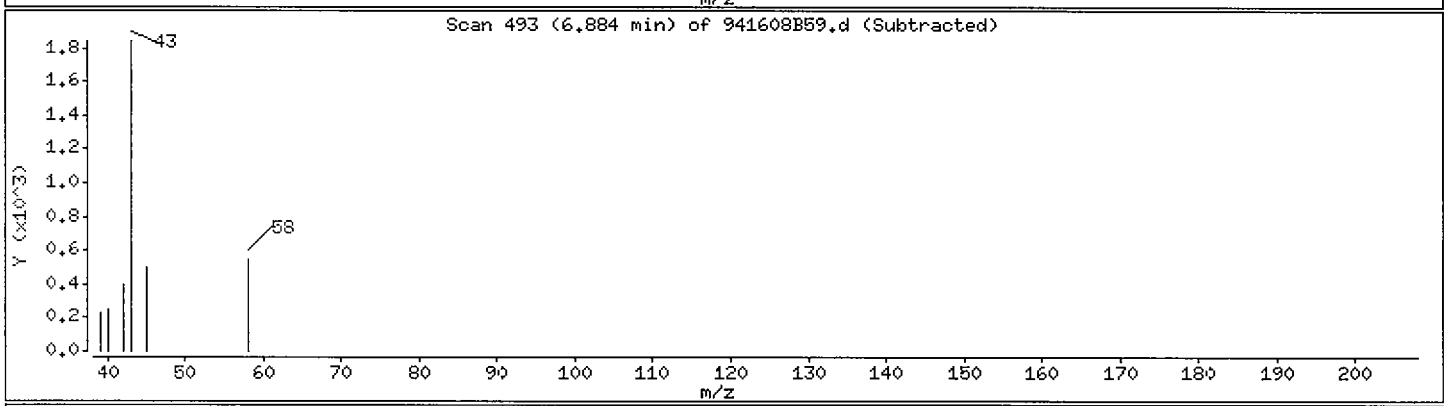
Sample Info: 941608:2481

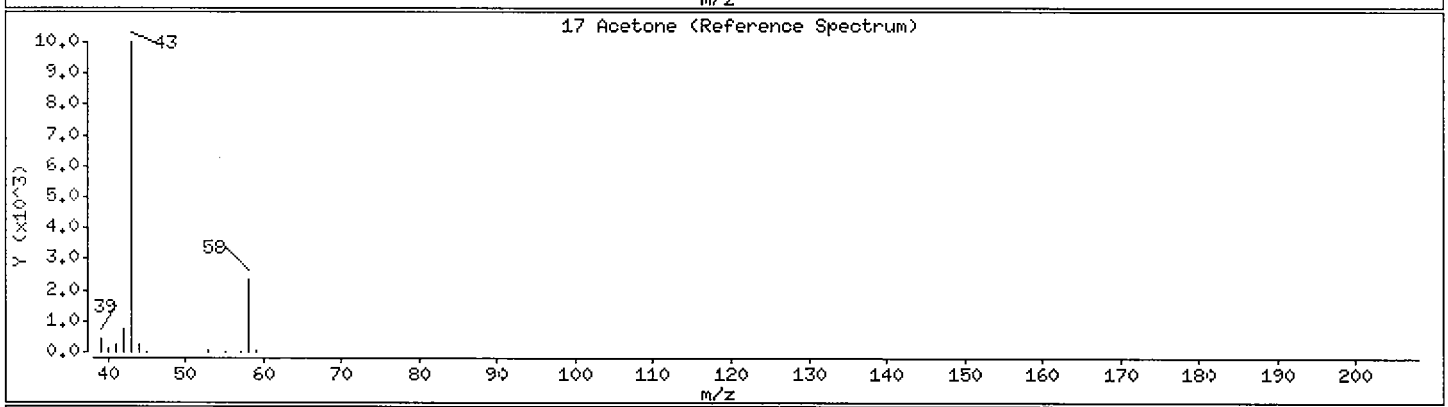
Purge Volume: 5.0 Operator: 2481

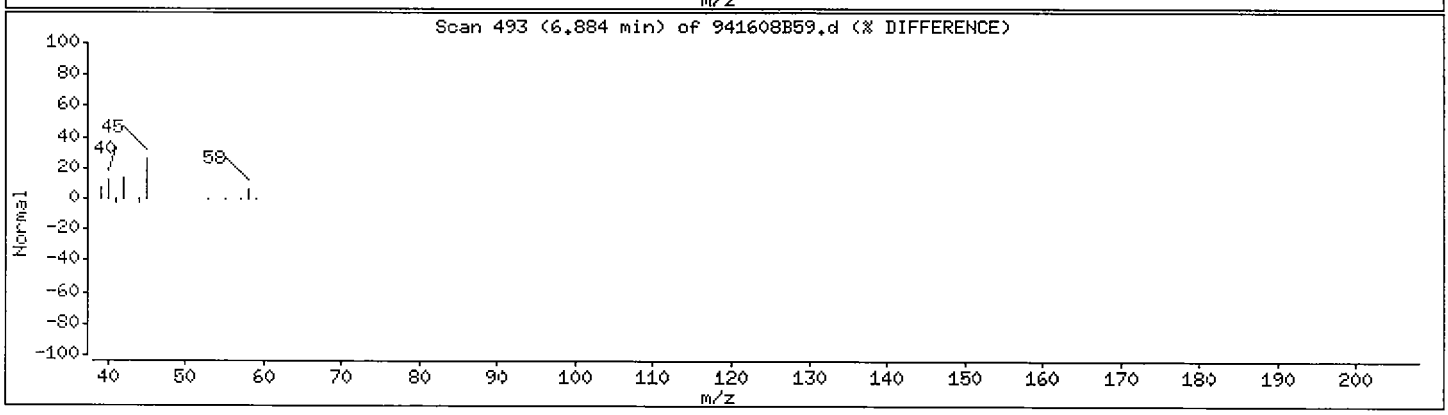
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 6.1 ug/L









Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941608B59.d
Lab Smp Id: 941608 Client Smp ID: ACSGWMW19-27
Inj Date : 25-MAR-2006 03:36
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941608:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.985	927467	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl- $$ Hydroxytrimethyls			CAS #: 1066-40-6				
8.686	492538	132.764164	27	90	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060324B59.b/941608B59.d

Date : 25-MAR-2006 03:36

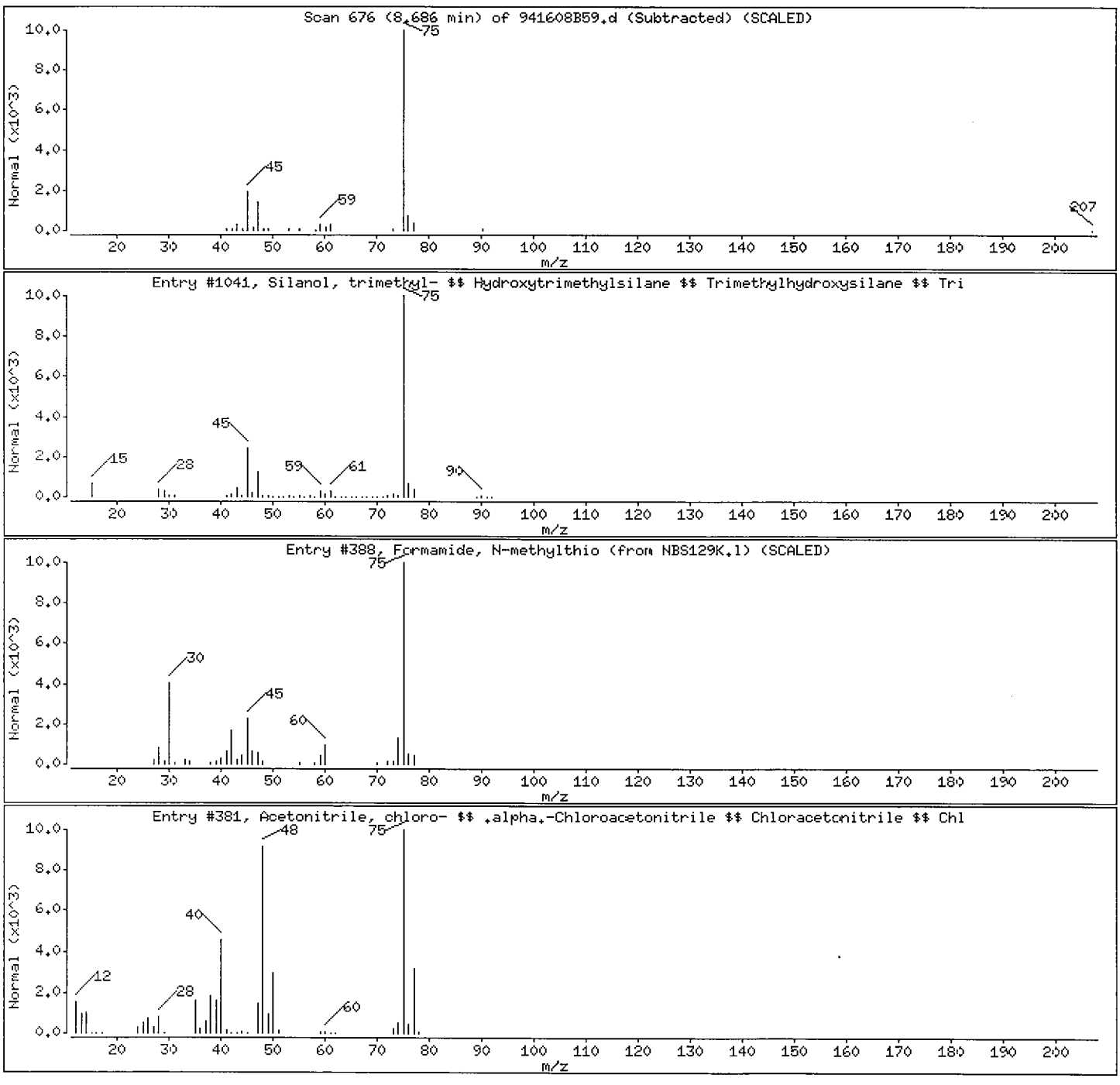
Client ID: ACSGWMW19-27 Instrument: 5972hp59.i

Sample Info: 941608:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	90	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

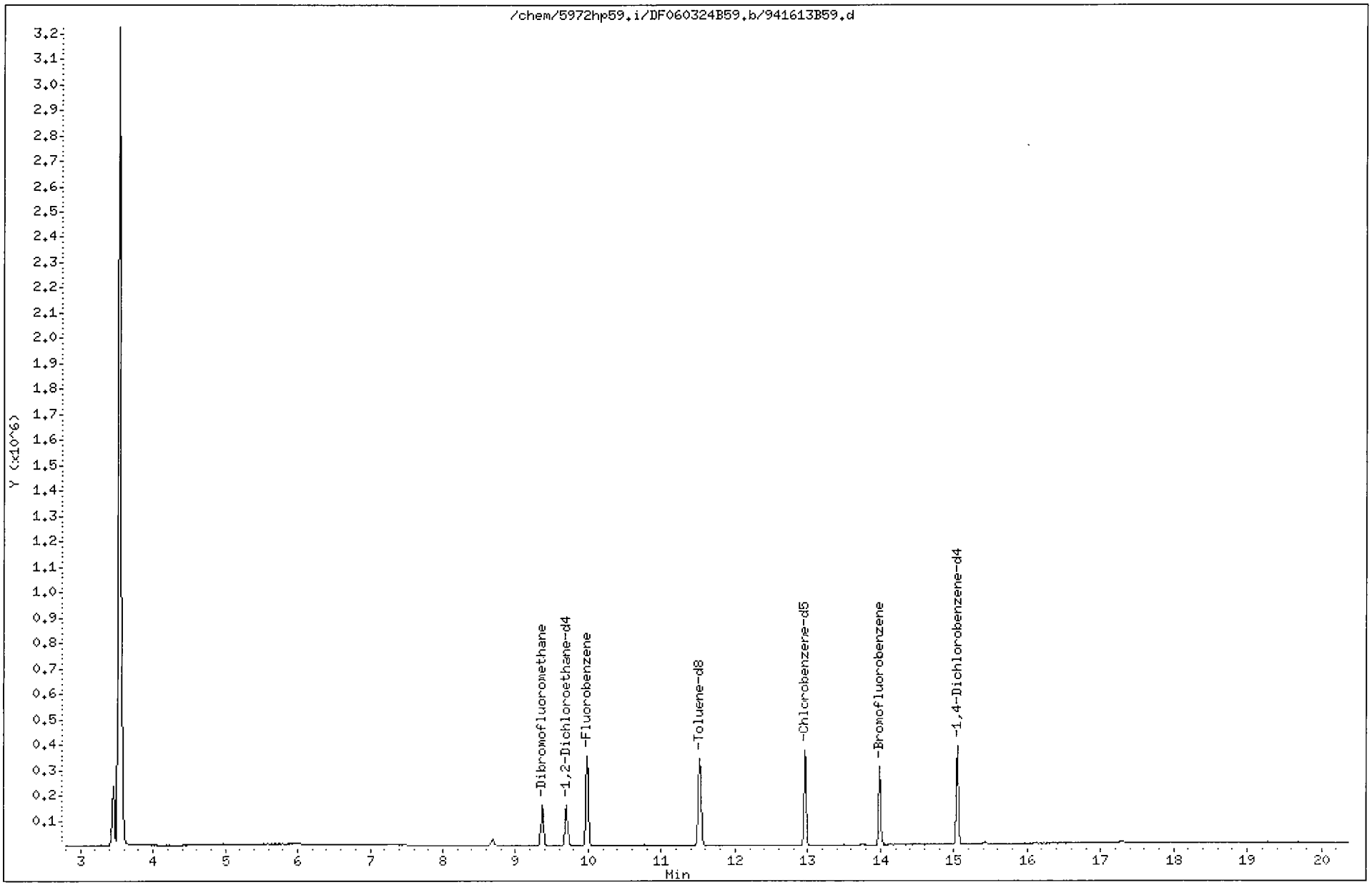
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941613B59.d
Date : 25-MAR-2006 05:59
Client ID: ACSGWMW28-27
Instrument: 5972hp59.i
Sample Info: 941613:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941613B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941613B59.d
Lab Smp Id: 941613 Client Smp ID: ACSGWMW28-27
Inj Date : 25-MAR-2006 05:59
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941613:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	9.986	9.980	(1.000)	407780	250.000	
*	2 Chlorobenzene-d5	117	12.959	12.963	(1.000)	257292	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.046	15.040	(1.000)	118975	250.000	
$	4 Dibromofluoromethane	113	9.366	9.360	(0.938)	111569	211.884	42
$	5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	139536	252.924	51
$	6 Toluene-d8	98	11.522	11.516	(0.889)	356101	230.872	46
$	7 Bromofluorobenzene	95	13.993	13.987	(0.930)	148172	235.870	47
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941613B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941613B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941613B59.d
Lab Smp Id: 941613 Client Smp ID: ACSGWMW28-27
Inj Date : 25-MAR-2006 05:59
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941613:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

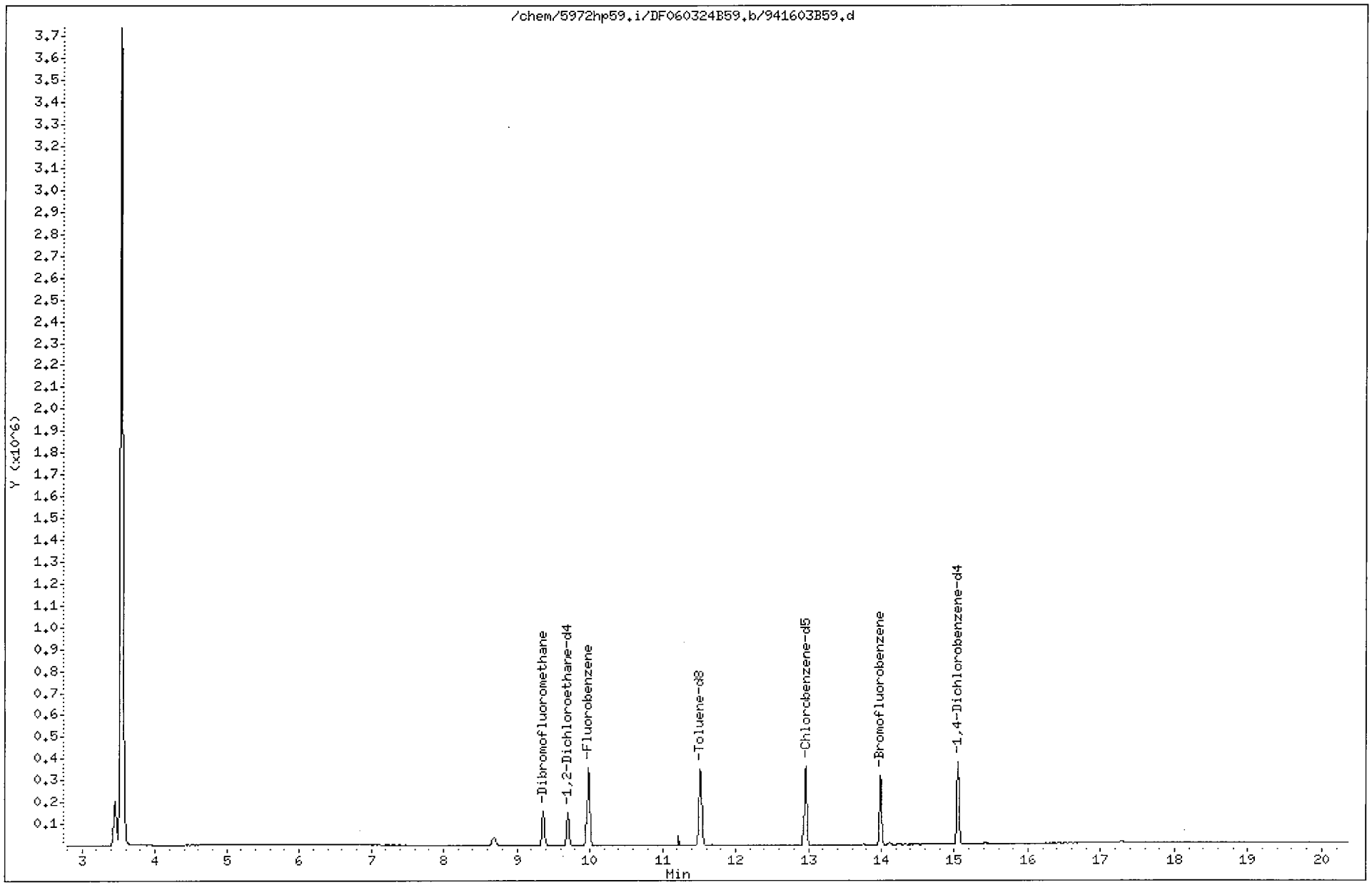
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	7.0	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941603B59.d
Date : 25-MAR-2006 01:13
Client ID: ACSGWMW42-27 Instrument: 5972hp59.i
Sample Info: 941603:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941603B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941603B59.d
Lab Smp Id: 941603 Client Smp ID: ACSGWMW42-27
Inj Date : 25-MAR-2006 01:13
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941603:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.981	9.980	(1.000)	416917	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.963	(1.000)	271347	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.051	15.040	(1.000)	130853	250.000	
$ 4 Dibromofluoromethane	113	9.370	9.360	(0.939)	120707	224.214	45
$ 5 1,2-Dichloroethane-d4	65	9.705	9.694	(0.972)	135572	240.353	48
$ 6 Toluene-d8	98	11.517	11.516	(0.888)	368535	226.557	45
$ 7 Bromofluorobenzene	95	13.988	13.987	(0.929)	155683	225.331	45
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941603B59.d
Report Date: 27-Mar-2006 05:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941603B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941603B59.d
Lab Smp Id: 941603 Client Smp ID: ACSGWMW42-27
Inj Date : 25-MAR-2006 01:13
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941603:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.981	883761	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.681	122933	34.7755386	7.0	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941603B59.d

Date : 25-MAR-2006 01:13

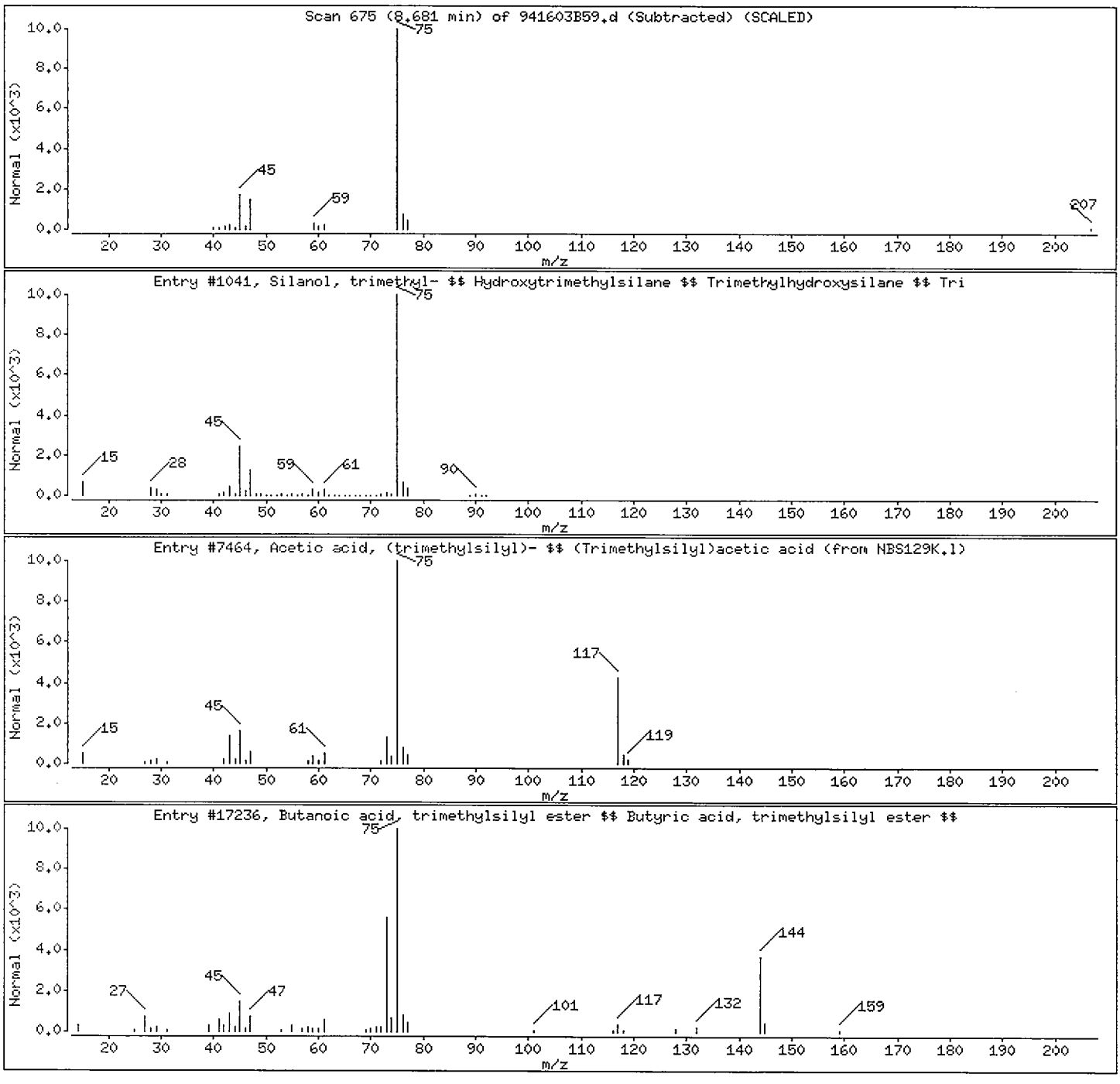
Client ID: ACSGWMW42-27 Instrument: 5972hp59.i

Sample Info: 941603:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	78	C3H10OSi	90
Acetic acid, (trimethylsilyl)- $$ (Trime	2345-38-2	NBS129K.l	7464	64	C5H12O2Si	132
Butanoic acid, trimethylsilyl ester $$ B	16844-99-8	NBS129K.l	17236	64	C7H16O2Si	160



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

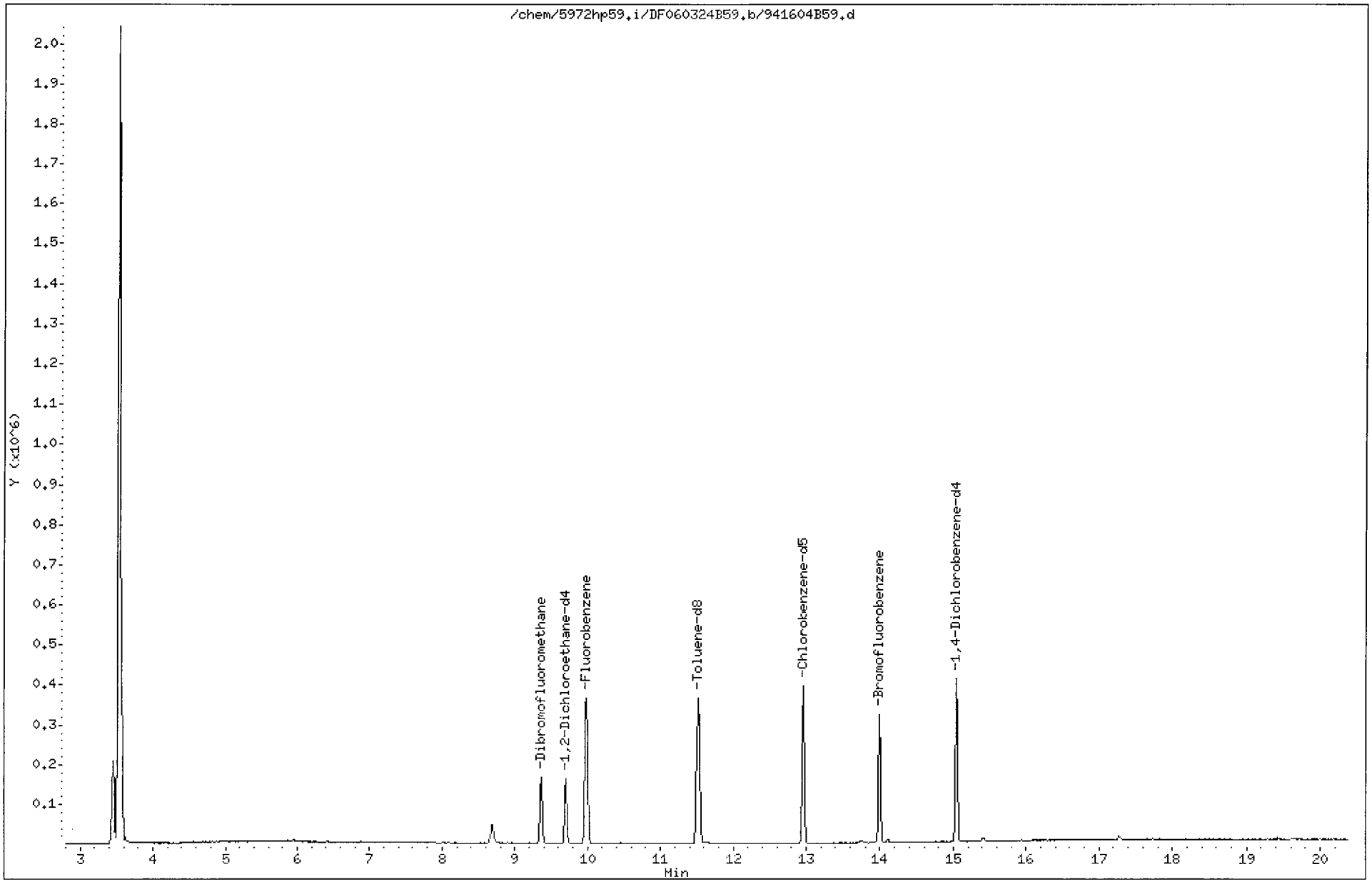
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941604B59.d
Date : 25-MAR-2006 01:41
Client ID: ACSGWMW43-27
Instrument: 5972hp59.i
Sample Info: 941604:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941604B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941604B59.d
Lab Smp Id: 941604 Client Smp ID: ACSGWMW43-27
Inj Date : 25-MAR-2006 01:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941604:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.986	9.980	(1.000)	428527	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.963	(1.000)	280648	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.040	(1.000)	135050	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	124258	224.557	45
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	143878	248.168	50
$ 6 Toluene-d8	98	11.522	11.516	(0.889)	380444	226.127	45
$ 7 Bromofluorobenzene	95	13.993	13.987	(0.930)	157459	220.819	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941604B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941604B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941604B59.d
Lab Smp Id: 941604 Client Smp ID: ACSGWMW43-27
Inj Date : 25-MAR-2006 01:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941604:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.986	913747	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.687	154456	42.2589931	8.5	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941604B59.d

Date : 25-MAR-2006 01:41

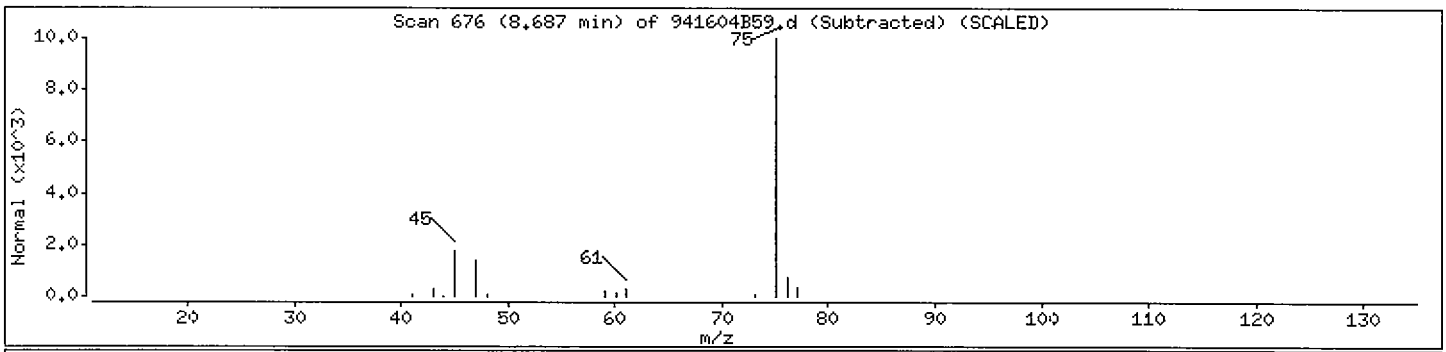
Client ID: ACSGWMW43-27 Instrument: 5972hp59.i

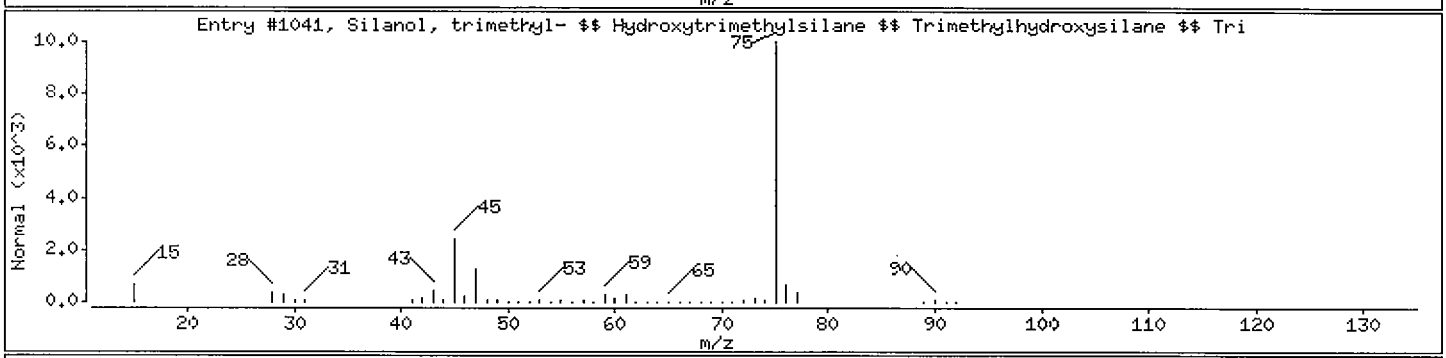
Sample Info: 941604:2481

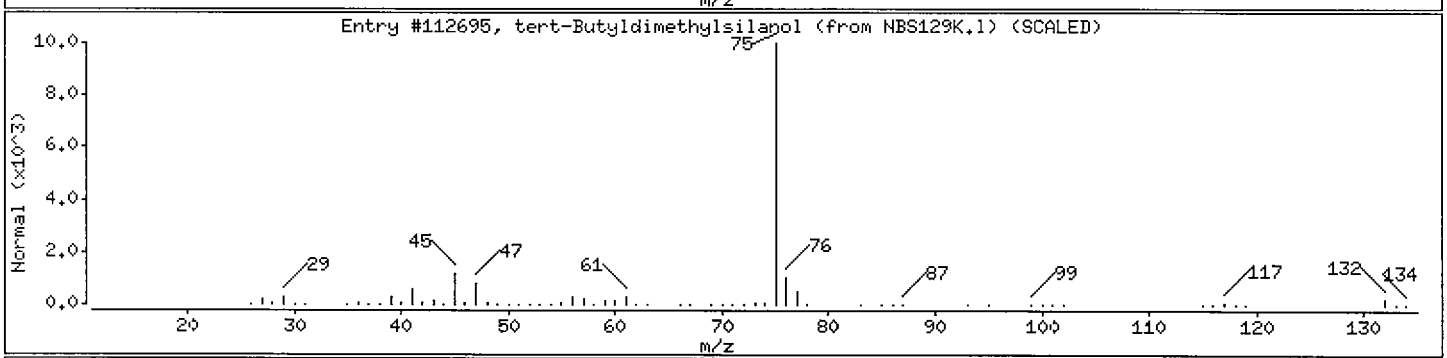
Purge Volume: 5.0 Operator: 2481

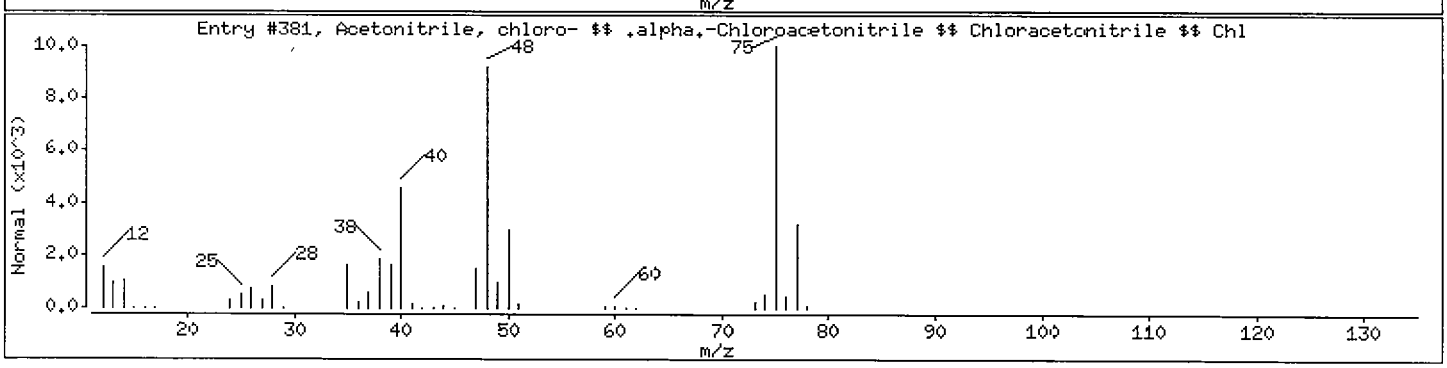
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	78	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	43	C6H16OSi	132
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

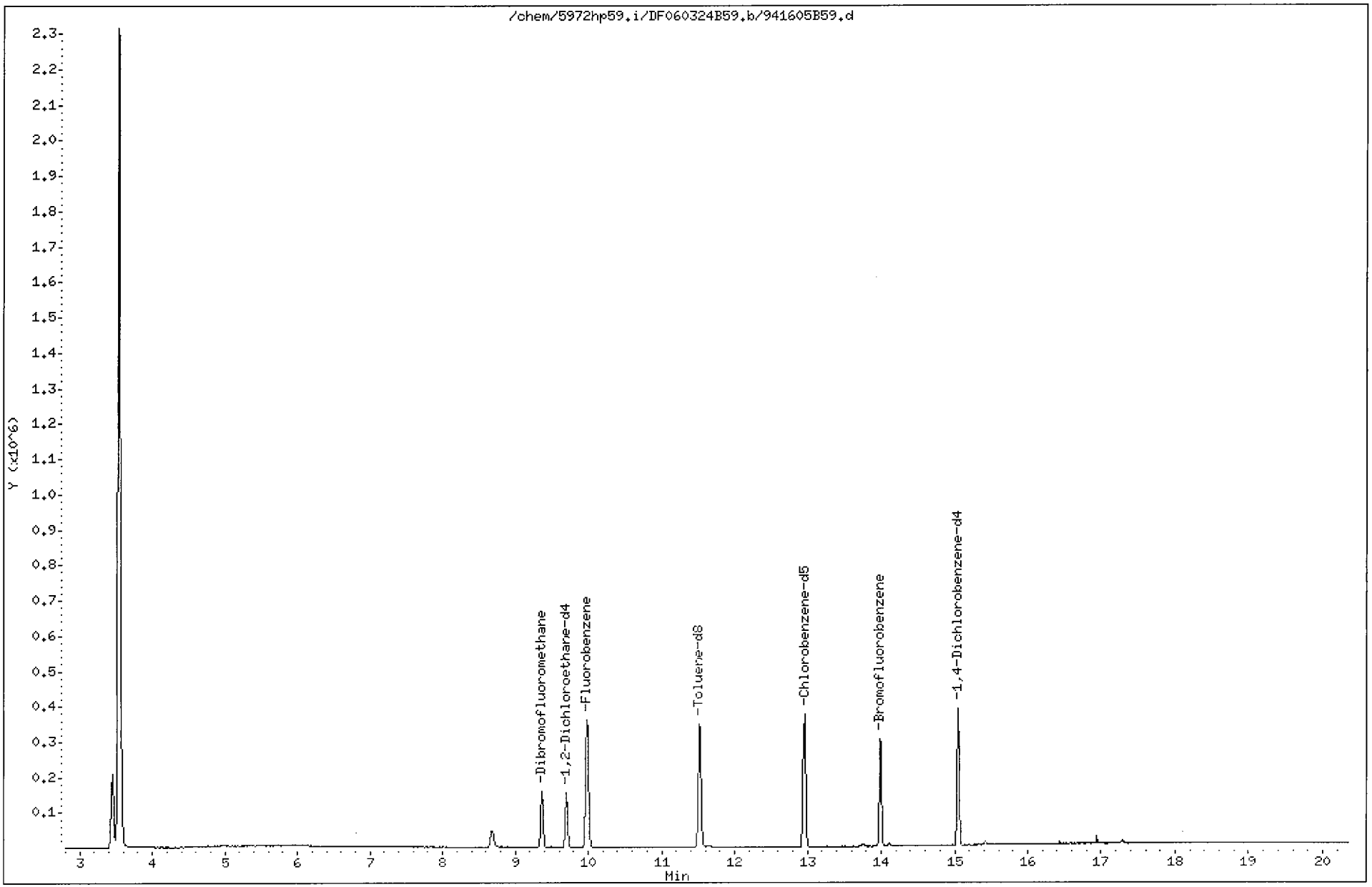
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	8.4	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941605B59.d
Date : 25-MAR-2006 02:10
Client ID: ACSGWMW44-27
Instrument: 5972hp59.i
Sample Info: 941605;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941605B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941605B59.d
Lab Smp Id: 941605 Client Smp ID: ACSGWMW44-27
Inj Date : 25-MAR-2006 02:10
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941605:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.980	9.980	(1.000)	412727	250.000	
* 2 Chlorobenzene-d5	117	12.963	12.963	(1.000)	267855	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.050	15.040	(1.000)	126083	250.000	
$ 4 Dibromofluoromethane	113	9.369	9.360	(0.939)	120517	226.134	45
$ 5 1,2-Dichloroethane-d4	65	9.704	9.694	(0.972)	137510	246.264	49
$ 6 Toluene-d8	98	11.515	11.516	(0.888)	368273	229.348	46
$ 7 Bromofluorobenzene	95	13.986	13.987	(0.929)	153154	230.057	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941605B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941605B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941605B59.d
Lab Smp Id: 941605 Client Smp ID: ACSGWMW44-27
Inj Date : 25-MAR-2006 02:10
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941605:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.980	888104	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.680	149901	42.1967637	8.4	0		0	1

Data File: /chem/5972hp59.i/DF060324B59.b/941605B59.d

Date : 25-MAR-2006 02:10

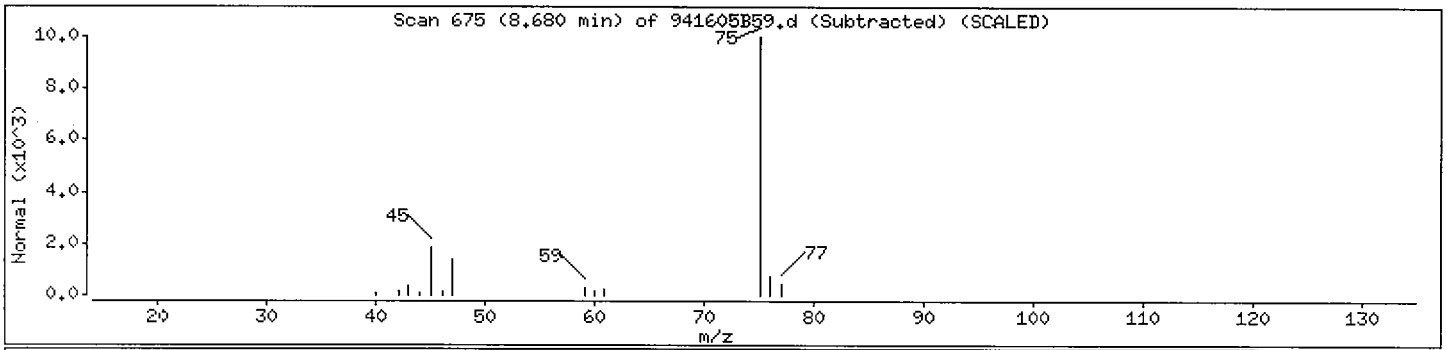
Client ID: ACSGWMW44-27 Instrument: 5972hp59.i

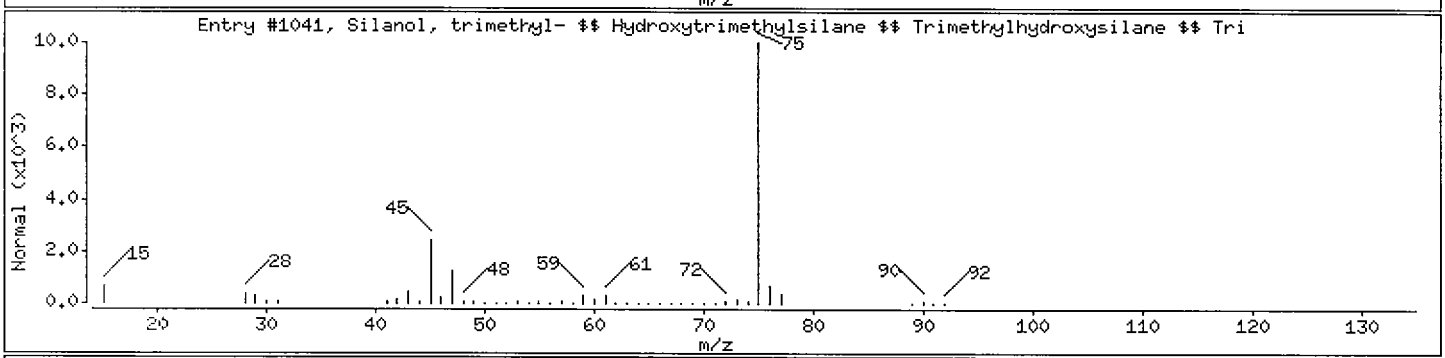
Sample Info: 941605:2481

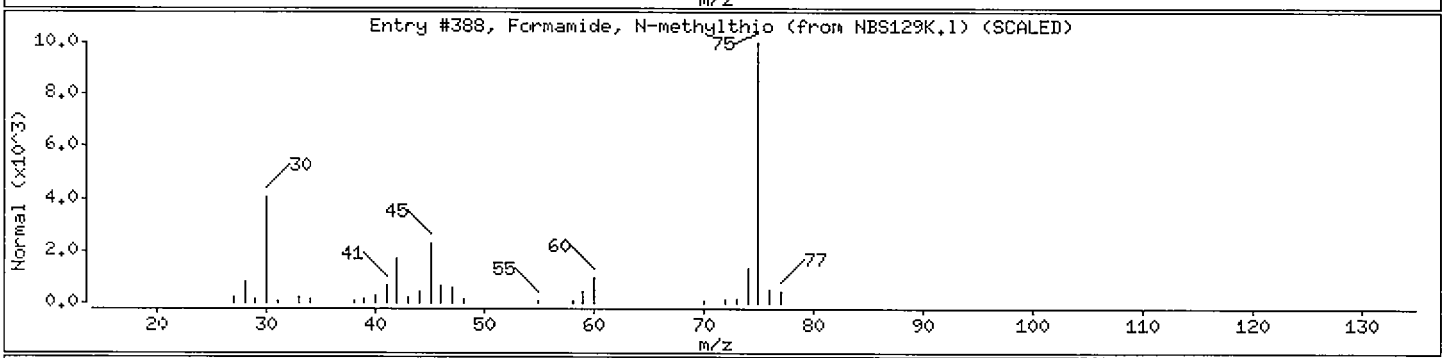
Purge Volume: 5.0 Operator: 2481

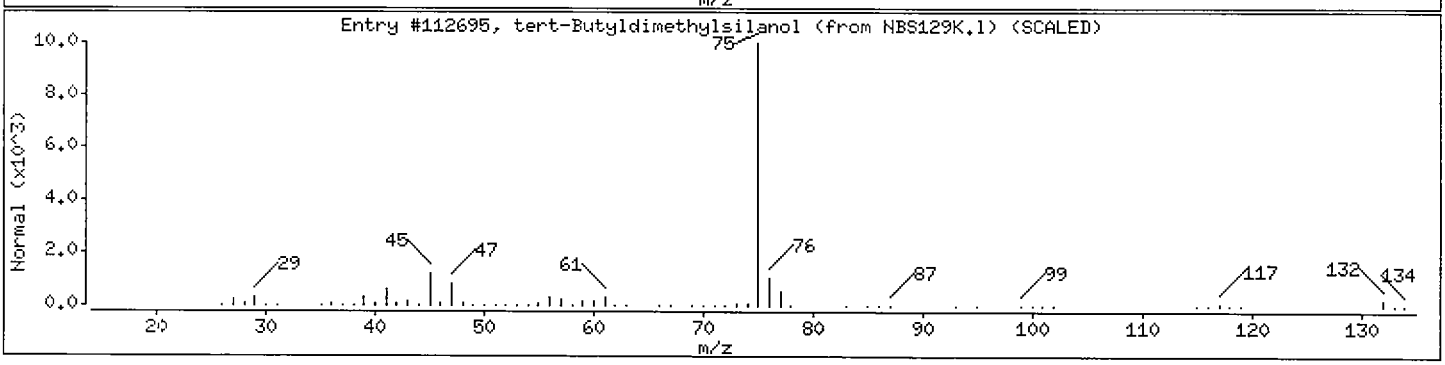
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	1.1	J
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

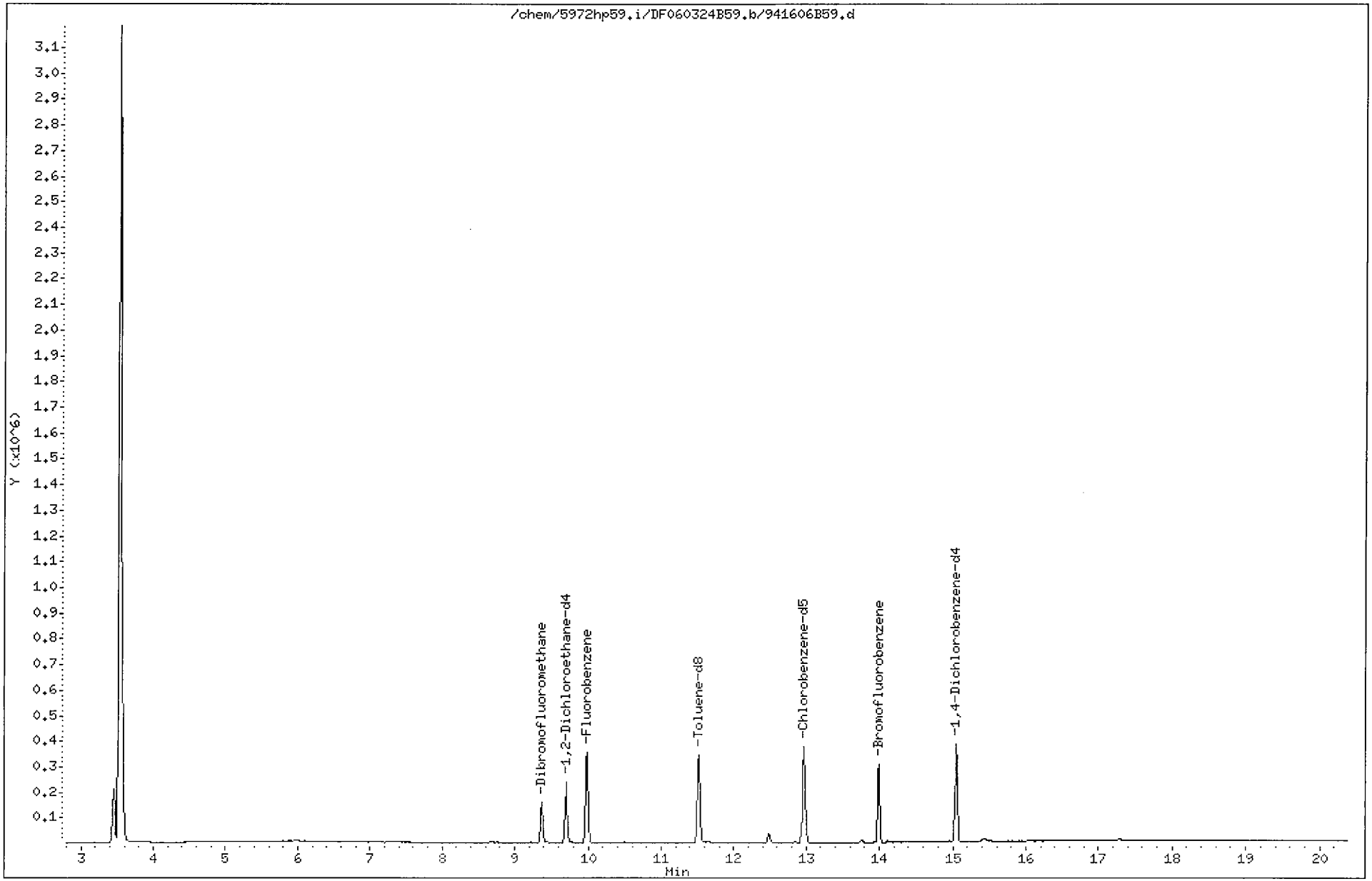
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d
Date : 25-MAR-2006 02:39
Client ID: ACSGWMW45-27
Instrument: 5972hp59.i
Sample Info: 941606;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941606B59.d
Lab Smp Id: 941606 Client Smp ID: ACSGWMW45-27
Inj Date : 25-MAR-2006 02:39
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941606:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.987	9.980	(1.000)	412838	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.963	(1.000)	263506	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.040	(1.000)	123944	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	117081	219.628	44
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	149983	268.529	54
$ 6 Toluene-d8	98	11.523	11.516	(0.889)	360956	228.501	46
$ 7 Bromofluorobenzene	95	13.994	13.987	(0.930)	147989	226.135	45
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	9.435	9.429	(0.945)	3196	5.62068	1.1(a)
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	12.989	12.993	(1.002)	60022	55.7067	11
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d

Date : 25-MAR-2006 02:39

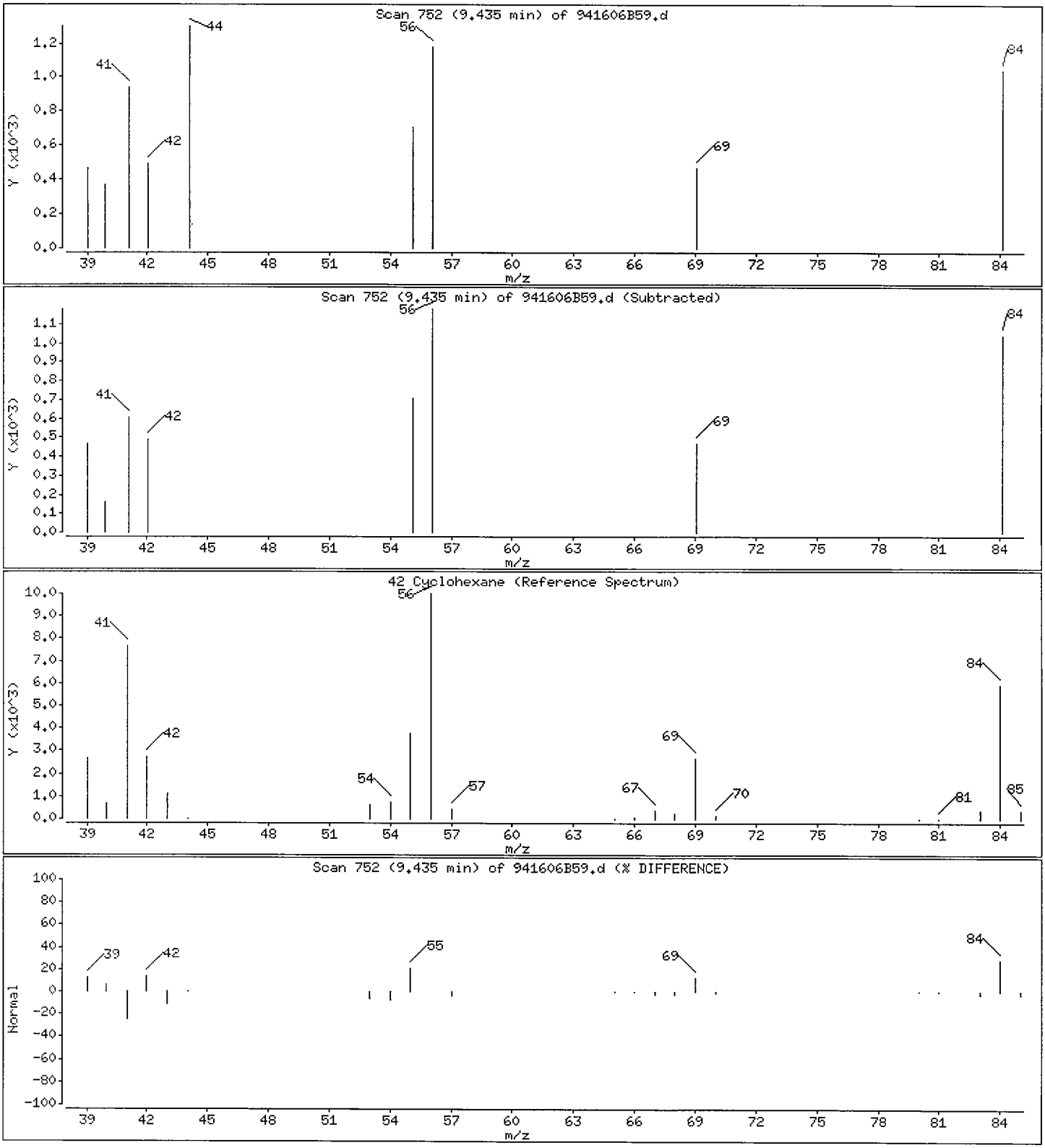
Client ID: ACSGWMW45-27 Instrument: 5972hp59.i

Sample Info: 941606;2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

42 Cyclohexane Concentration: 1.1 ug/L



Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d

Date : 25-MAR-2006 02:39

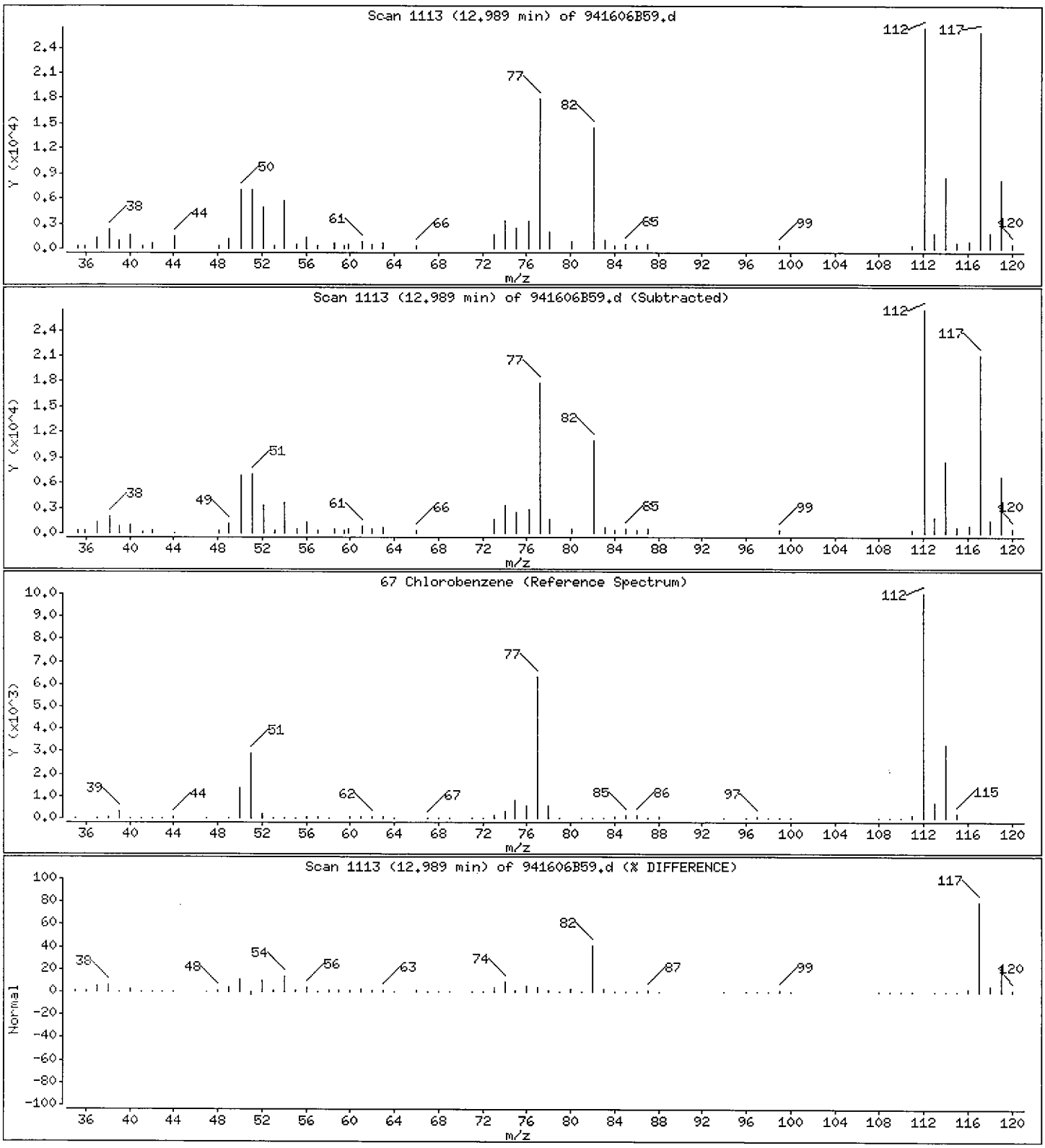
Client ID: ACSGWMW45-27 Instrument: 5972hp59.i

Sample Info: 941606:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

67 Chlorobenzene Concentration: 11 ug/L



Data File: /chem/5972hp59.i/DF060324B59.b/941606B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941606B59.d
Lab Smp Id: 941606 Client Smp ID: ACSGWMW45-27
Inj Date : 25-MAR-2006 02:39
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941606:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	320	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

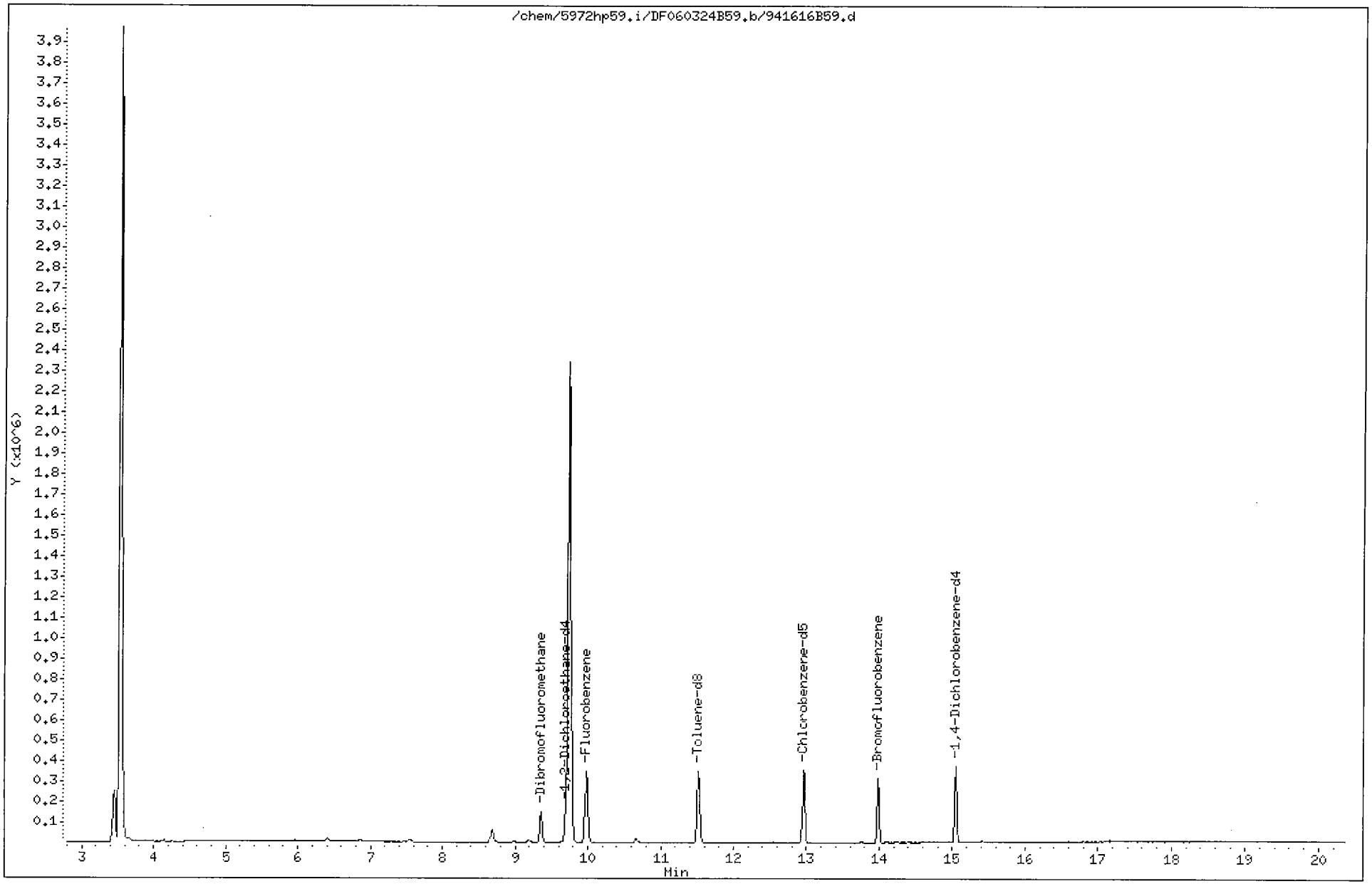
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d
Date : 25-MAR-2006 07:25
Client ID: ACSGWMW56-27
Sample Info: 941616:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941616B59.d
Lab Smp Id: 941616 Client Smp ID: ACSGWMW56-27
Inj Date : 25-MAR-2006 07:25
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941616:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.982	9.980	(1.000)	400685	250.000	
* 2 Chlorobenzene-d5	117	12.965	12.963	(1.000)	251853	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.042	15.040	(1.000)	117269	250.000	
$ 4 Dibromofluoromethane	113	9.362	9.360	(0.938)	113243	218.871	44
$ 5 1,2-Dichloroethane-d4	65	9.696	9.694	(0.971)	138676	255.816	51
$ 6 Toluene-d8	98	11.518	11.516	(0.888)	352942	233.765	47
$ 7 Bromofluorobenzene	95	13.989	13.987	(0.930)	146461	236.538	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d
Report Date: 27-Mar-2006 05:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.746	9.744	(0.976)	2710759	1611.28	320(A)
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d

Date : 25-MAR-2006 07:25

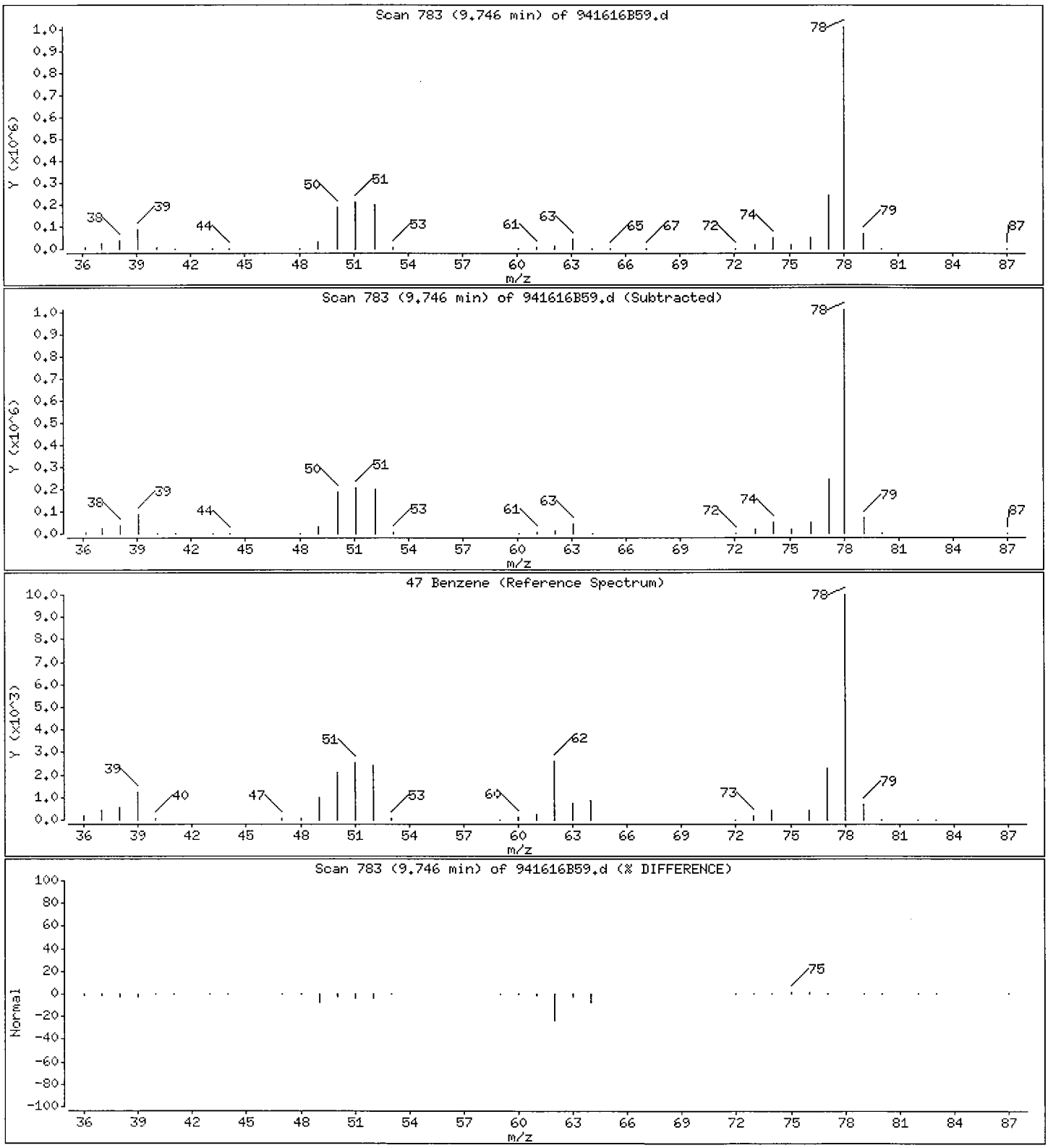
Client ID: ACSGWMW56-27 Instrument: 5972hp59.i

Sample Info: 941616:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 320 ug/L



Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941616B59.d
Lab Smp Id: 941616 Client Smp ID: ACSGWMW56-27
Inj Date : 25-MAR-2006 07:25
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941616:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.982	902641	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.682	205783	56.9945783	11	0	0	1	

Data File: /chem/5972hp59.i/DF060324B59.b/941616B59.d

Date : 25-MAR-2006 07:25

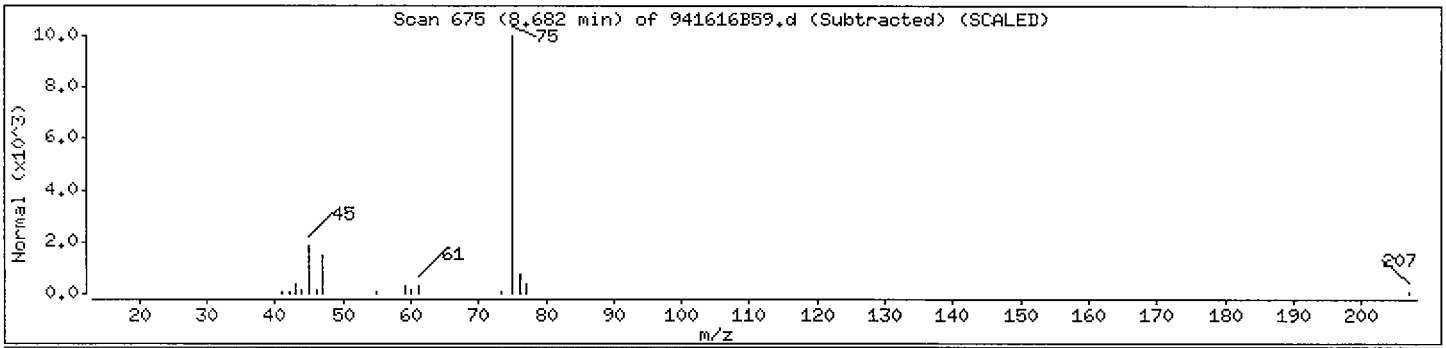
Client ID: ACSGWMW56-27 Instrument: 5972hp59.i

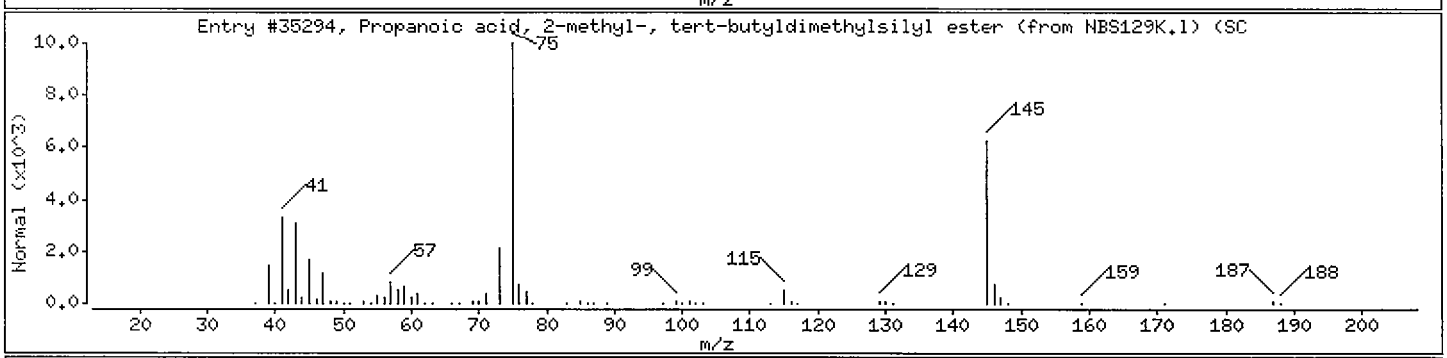
Sample Info: 941616:2481

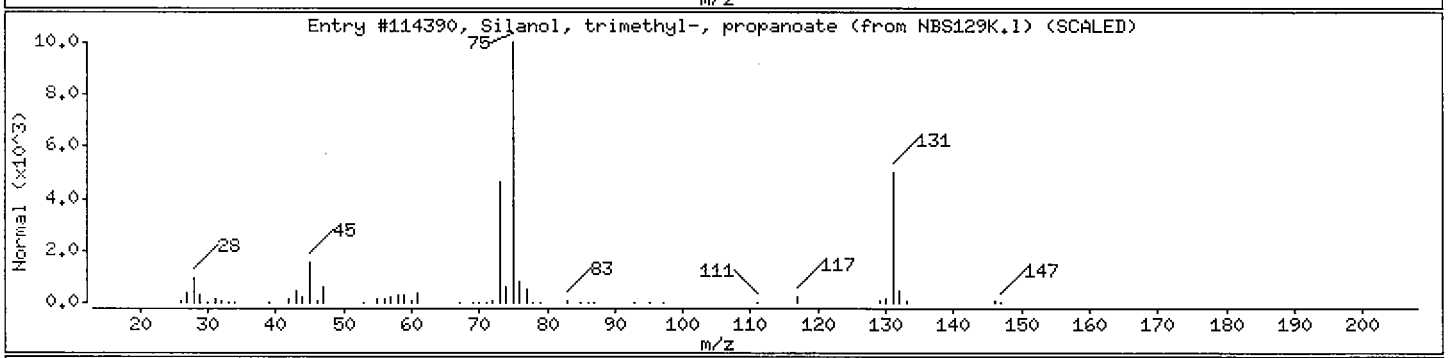
Purge Volume: 5.0 Operator: 2481

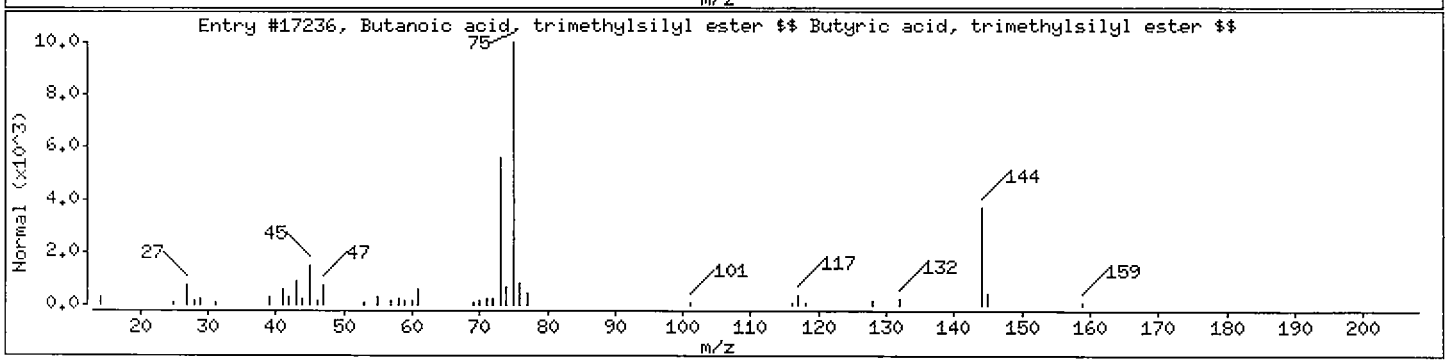
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-methyl-, tert-butyldim	0-00-0	NBS129K.l	35294	78	C10H22O2Si	202
Silanol, trimethyl-, propanoate	16844-98-7	NBS129K.l	114390	64	C6H14O2Si	146
Butanoic acid, trimethylsilyl ester $$ B	16844-99-8	NBS129K.l	17236	64	C7H16O2Si	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	13	U
67-64-1	Acetone	31	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl-tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-butanone	31	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	320	D
107-06-2	1,2-Dichloroethane	13	U
79-01-6	Trichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	31	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-hexanone	31	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropyl Benzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-Chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
1330-20-7	Xylene (total)	13	U
79-20-9	Methyl acetate	13	U
110-82-7	Cyclohexane	13	U
108-87-2	Methylcyclohexane	13	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

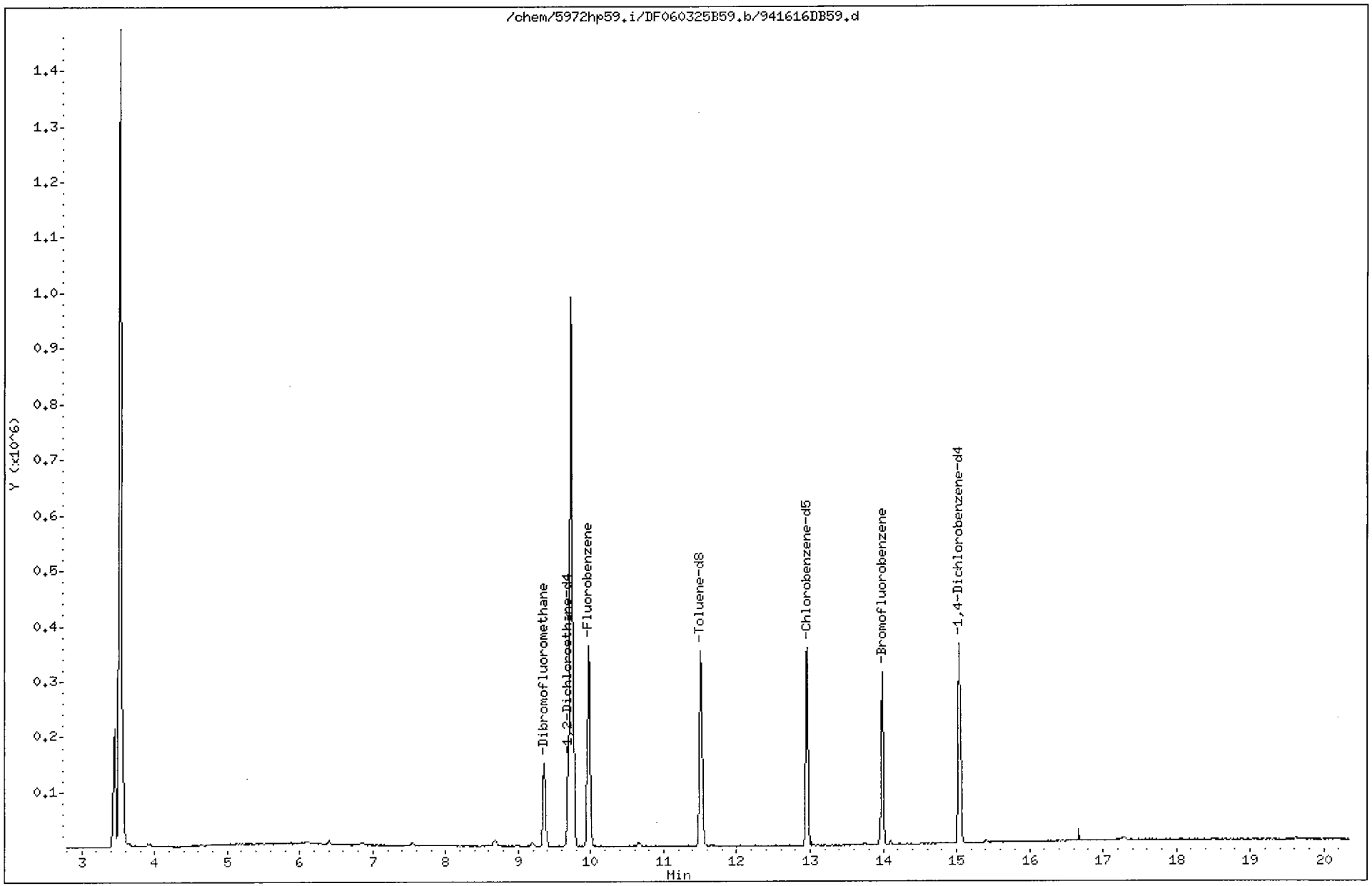
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Date : 26-MAR-2006 00:52
Client ID: ACSGWMW56-27DL
Instrument: 5972hp59.i
Sample Info: 941616;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Lab Smp Id: 941616 Client Smp ID: ACSGWMW56-27DL
Inj Date : 26-MAR-2006 00:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941616:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 2.50000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	2.50000	Dilution Factor
Vo	5.00000	volume of water
DF	2.50000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.975	9.976	(1.000)	405488	250.000	
* 2 Chlorobenzene-d5	117	12.958	12.959	(1.000)	260140	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.045	15.046	(1.000)	121459	250.000	
$ 4 Dibromofluoromethane	113	9.355	9.356	(0.938)	115963	221.473	110
$ 5 1,2-Dichloroethane-d4	65	9.690	9.690	(0.971)	135557	247.100	120
$ 6 Toluene-d8	98	11.511	11.512	(0.888)	358362	229.794	110
$ 7 Bromofluorobenzene	95	13.982	13.983	(0.929)	147519	230.028	120
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Report Date: 28-Mar-2006 05:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.739	9.740	(0.976)	1072737	630.086	320
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/941616DB59.d

Date : 26-MAR-2006 00:52

Client ID: ACSGWMW56-27DL

Instrument: 5972hp59.i

Sample Info: 941616:2481

Purge Volume: 5.0

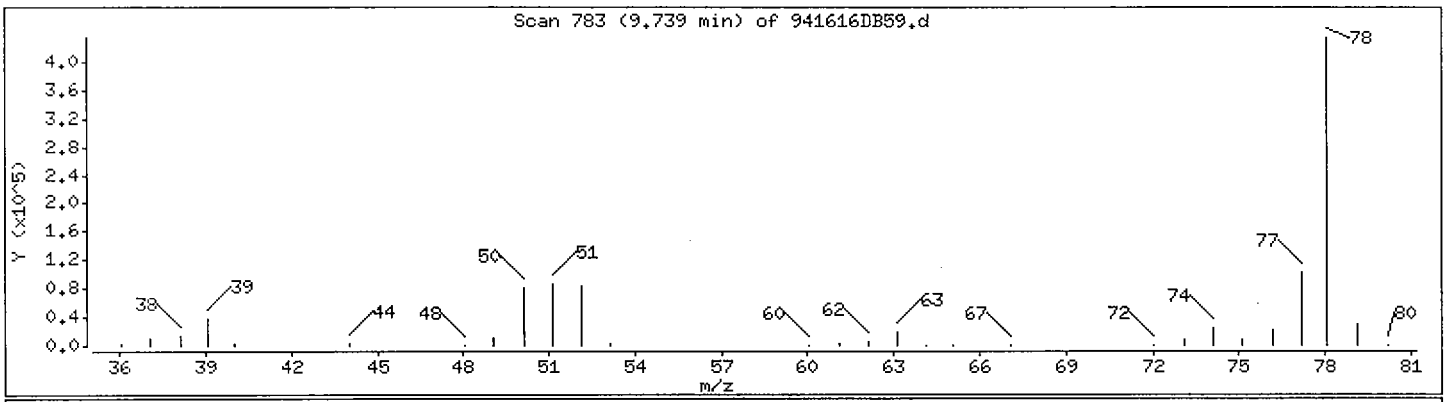
Operator: 2481

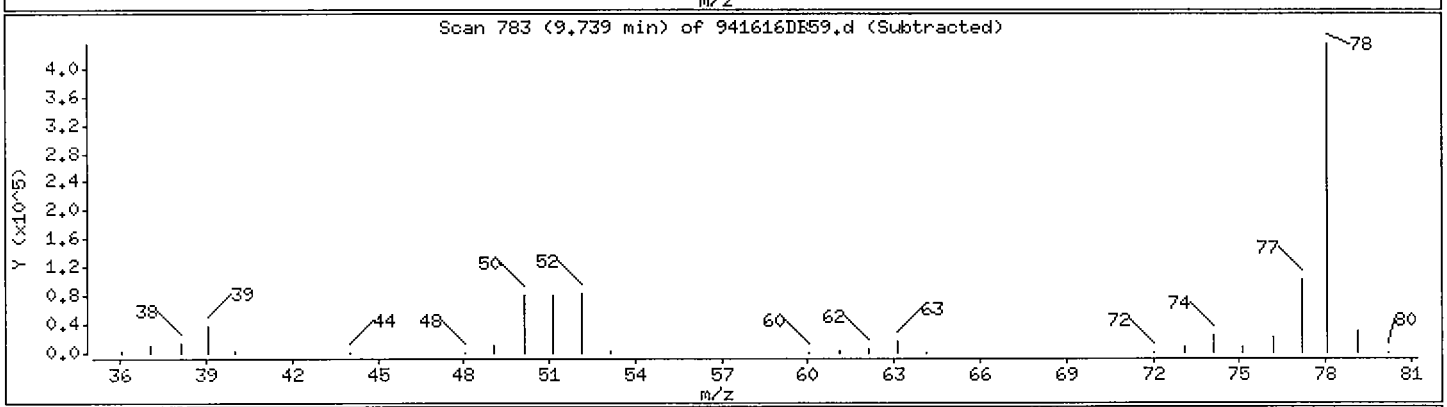
Column phase: ZB-624

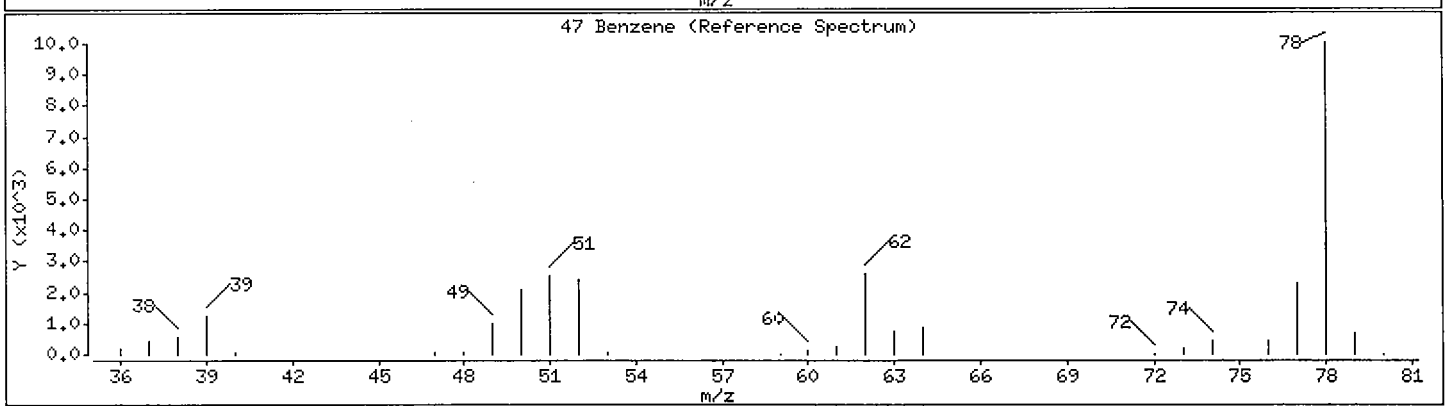
Column diameter: 0.32

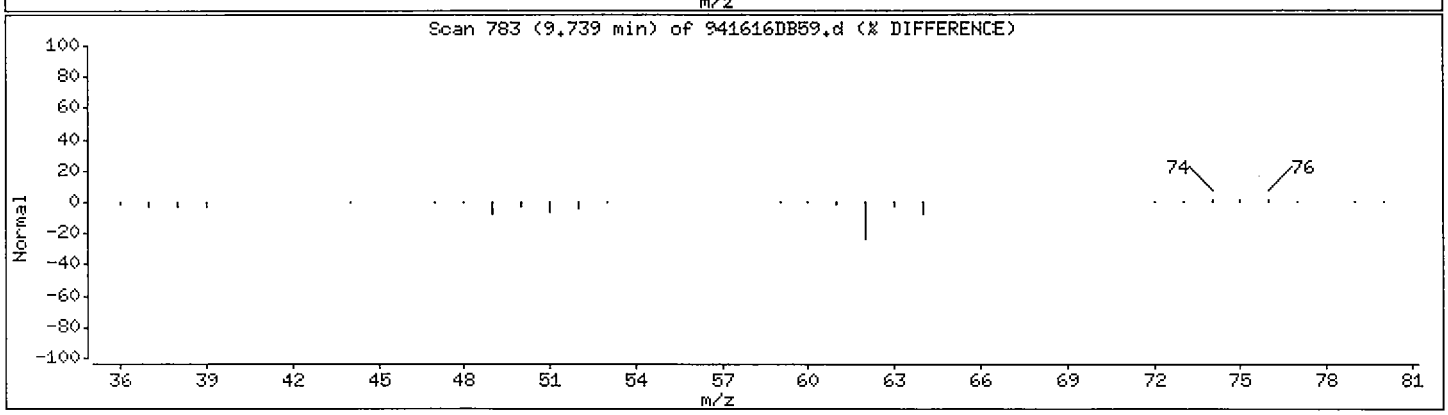
47 Benzene

Concentration: 320 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/941616DB59.d
Lab Smp Id: 941616 Client Smp ID: ACSGWMW56-27DL
Inj Date : 26-MAR-2006 00:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941616:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 2.50000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

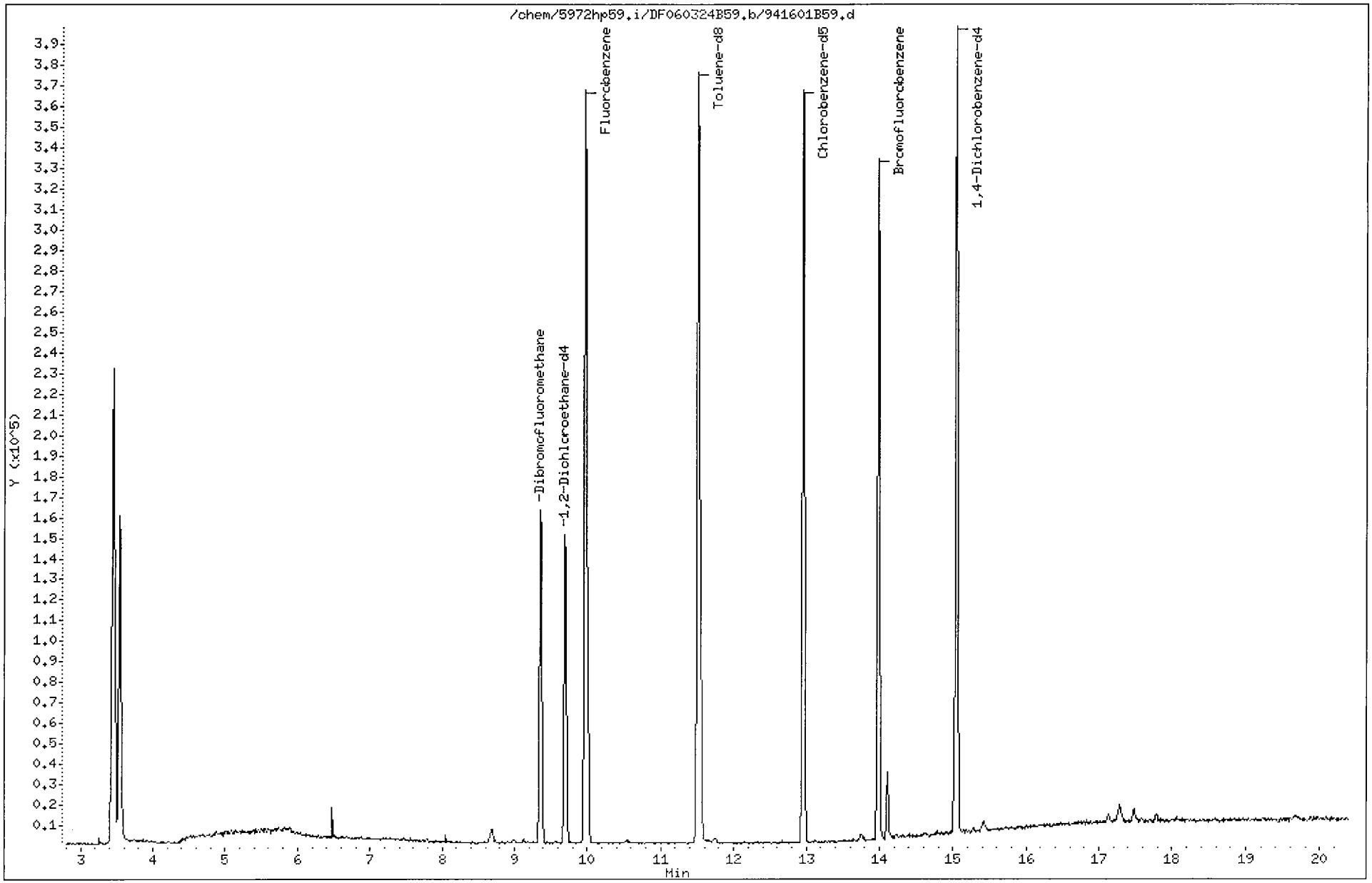
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941601B59.d
Date : 25-MAR-2006 00:16
Client ID: ACSGWTB01-27
Instrument: 5972hp59.i
Sample Info: 941601:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941601B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941601B59.d
Lab Smp Id: 941601 Client Smp ID: ACSGWTB01-27
Inj Date : 25-MAR-2006 00:16
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941601:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.982	9.980	(1.000)	435546	250.000	
* 2 Chlorobenzene-d5	117	12.965	12.963	(1.000)	284695	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.042	15.040	(1.000)	134968	250.000	
$ 4 Dibromofluoromethane	113	9.362	9.360	(0.938)	125575	223.280	45
$ 5 1,2-Dichloroethane-d4	65	9.697	9.694	(0.971)	135598	230.117	46
$ 6 Toluene-d8	98	11.518	11.516	(0.888)	382180	223.930	45
$ 7 Bromofluorobenzene	95	13.989	13.987	(0.930)	158018	221.737	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941601B59.d
Report Date: 27-Mar-2006 05:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941601B59.d
Report Date: 27-Mar-2006 05:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941601B59.d
Lab Smp Id: 941601 Client Smp ID: ACSGWTB01-27
Inj Date : 25-MAR-2006 00:16
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941601:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

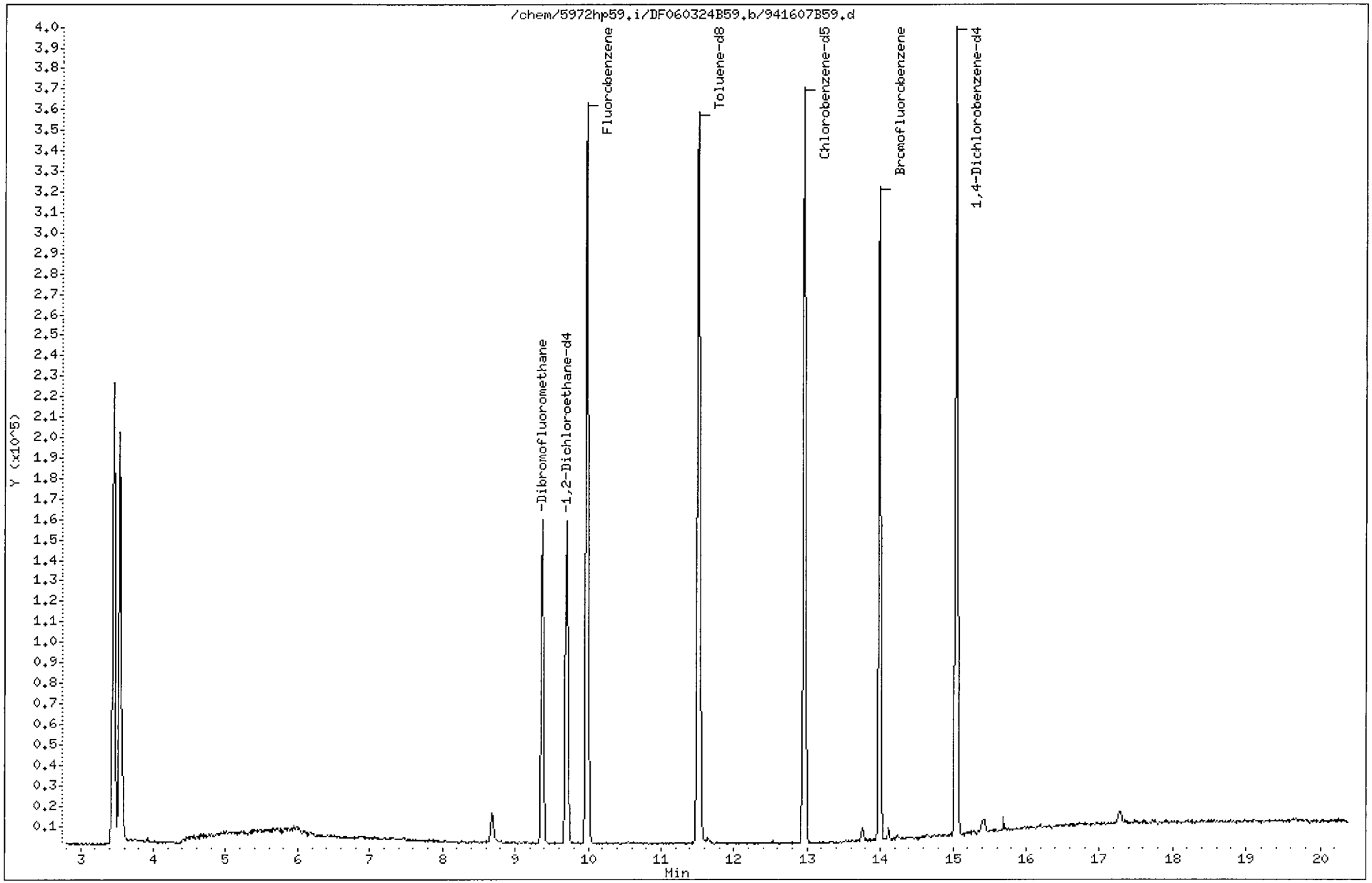
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941607B59.d
Date : 25-MAR-2006 03:07
Client ID: ACSGWTB02-27
Instrument: 5972hp59.i
Sample Info: 941607;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941607B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941607B59.d
Lab Smp Id: 941607 Client Smp ID: ACSGWTB02-27
Inj Date : 25-MAR-2006 03:07
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.986	9.980	(1.000)	410049	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.963	(1.000)	260010	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.040	(1.000)	124206	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.938)	117457	221.832	44
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.971)	139882	252.148	50
$ 6 Toluene-d8	98	11.522	11.516	(0.889)	361551	231.955	46
$ 7 Bromofluorobenzene	95	13.993	13.987	(0.930)	151132	230.450	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941607B59.d
Report Date: 27-Mar-2006 05:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941607B59.d
Report Date: 27-Mar-2006 05:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941607B59.d
Lab Smp Id: 941607 Client Smp ID: ACSGWTB02-27
Inj Date : 25-MAR-2006 03:07
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

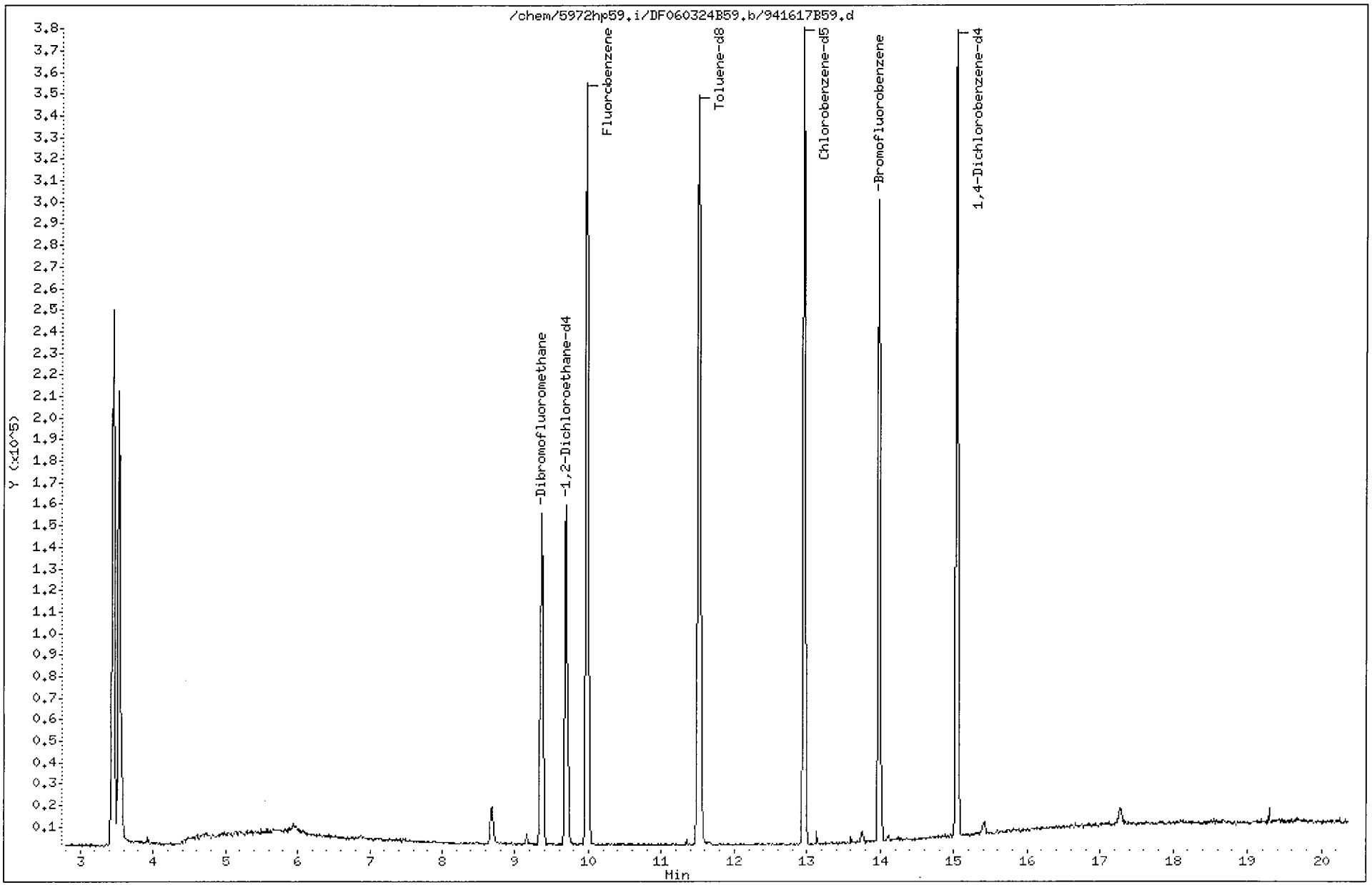
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/941617B59.d
Date : 25-MAR-2006 07:53
Client ID: ACSGWTB03-27
Instrument: 5972hp59.i
Sample Info: 941617:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/941617B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941617B59.d
Lab Smp Id: 941617 Client Smp ID: ACSGWTB03-27
Inj Date : 25-MAR-2006 07:53
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941617:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.976	9.980	(1.000)	398133	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.963	(1.000)	252037	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.040	(1.000)	115980	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.360	(0.939)	112624	219.070	44
$ 5 1,2-Dichloroethane-d4	65	9.701	9.694	(0.972)	137807	255.842	51
$ 6 Toluene-d8	98	11.512	11.516	(0.888)	355845	235.516	47
$ 7 Bromofluorobenzene	95	13.983	13.987	(0.929)	145407	237.446	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941617B59.d
Report Date: 27-Mar-2006 05:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060324B59.b/941617B59.d
Report Date: 27-Mar-2006 05:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/941617B59.d
Lab Smp Id: 941617 Client Smp ID: ACSGWTB03-27
Inj Date : 25-MAR-2006 07:53
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 941617:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

3. Standards Data

a. Initial Calibration Data (Form VI VOA)

b. Continuing Calibration Data (Form VII VOA)

a. Initial Calibration Data
(Form VI VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Reconstructed Ion Chromatograms and quantitation reports for the initial (five-point) calibration. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.43526	0.43504	0.43732	0.41961	0.41316	0.42501
Chloromethane	0.31995	0.30668	0.30710	0.29495	0.29988	0.31290
Vinyl Chloride	0.22453	0.21917	0.22722	0.21539	0.22219	0.21377
Bromomethane	17107	21472	40600	93440	195649	355410
Chloroethane	11512	11726	21649	52194	111692	198988
Trichlorofluoromethane	0.46506	0.46524	0.47507	0.45294	0.43769	0.44728
1,1-Dichloroethene	0.28997	0.27148	0.26907	0.24871	0.25159	0.24322
Carbon disulfide	0.97086	0.94580	0.95472	0.91427	0.94489	0.90922
1,1,2-trichloro-1,2,2-triflu	0.25761	0.29204	0.30760	0.29050	0.28973	0.28787
Acetone	12233	16566	30009	66711	142391	269912
Methylene Chloride	0.31665	0.30419	0.30234	0.29119	0.28987	0.27926
trans-1,2-Dichloroethene	0.31239	0.31187	0.30862	0.29070	0.29565	0.27540
Methyl-tert-butyl ether	0.72173	0.65365	0.66651	0.67336	0.66541	0.65819
1,1-Dichloroethane	0.54539	0.53088	0.54801	0.52396	0.53176	0.51136
cis-1,2-Dichloroethene	0.33116	0.32635	0.32436	0.31320	0.30841	0.29331
2-butanone	0.10761	0.09049	0.08900	0.08876	0.09161	0.08710
Chloroform	0.53412	0.52630	0.53431	0.53359	0.52163	0.50600
1,1,1-Trichloroethane	0.44049	0.43741	0.44962	0.44086	0.42583	0.42398
Carbon Tetrachloride	0.32363	0.34191	0.36591	0.34593	0.34008	0.33513
Benzene	1.10975	1.05374	1.07435	1.04219	1.01560	1.00243
1,2-Dichloroethane	0.37648	0.37087	0.38384	0.37972	0.36879	0.36686
Trichloroethene	0.26937	0.28344	0.27982	0.26781	0.26523	0.26389
1,2-Dichloropropane	0.27272	0.28481	0.28307	0.27981	0.26986	0.26244
Bromodichloromethane	0.36842	0.36724	0.37960	0.37204	0.36789	0.37219
cis-1,3-Dichloropropene	0.44031	0.44567	0.45606	0.44733	0.44764	0.44615
4-Methyl-2-pentanone	0.31568	0.26972	0.28208	0.29168	0.31506	0.30075
Toluene	0.95122	0.98063	0.99174	0.98608	0.96903	0.94027
trans-1,3-Dichloropropene	0.57689	0.58150	0.60952	0.60233	0.59368	0.58600
1,1,2-Trichloroethane	0.32139	0.32236	0.32161	0.31956	0.32253	0.30967
Tetrachloroethene	0.23302	0.26438	0.29216	0.28041	0.28220	0.27624
2-hexanone	0.22209	0.18868	0.20190	0.20741	0.21823	0.20966
Dibromochloromethane	0.35934	0.34652	0.36193	0.37473	0.37864	0.37287
1,2-Dibromoethane	0.36089	0.35985	0.36190	0.35492	0.35785	0.35318
Chlorobenzene	0.97308	1.03579	1.08081	1.03528	1.02084	0.98763
Ethylbenzene	0.43358	0.48333	0.52212	0.50547	0.51393	0.48842
Styrene	0.95256	1.04556	1.11589	1.12045	1.11604	1.06056
Bromoform	0.23132	0.22971	0.24228	0.24263	0.24806	0.25105
Isopropyl Benzene	1.16847	1.34111	1.52447	1.45964	1.51846	1.55037
1,1,2,2-Tetrachloroethane	0.95913	0.92875	0.95449	0.91739	0.89027	0.84121
1,3-Dichlorobenzene	1.22827	1.35965	1.50405	1.46944	1.52167	1.56368
1,4-Dichlorobenzene	1.28412	1.38256	1.56631	1.51000	1.53386	1.56086
1,2-Dichlorobenzene	1.16820	1.25621	1.39326	1.34884	1.37812	1.41506
1,2-Dibromo-3-Chloropropane	0.13454	0.13010	0.14540	0.14813	0.15759	0.16789
1,2,4-Trichlorobenzene	0.72176	0.81103	0.90251	0.89416	0.93479	1.02925

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.53784	0.59977	0.64923	0.63098	0.63322	0.59467
Methyl acetate	0.17548	0.15087	0.15268	0.14918	0.15652	0.14616
Cyclohexane	0.27355	0.32707	0.36301	0.35406	0.36728	0.38101
Methylcyclohexane	0.22514	0.26194	0.31066	0.28773	0.30217	0.33640
Dibromofluoromethane		0.37853	0.34360	0.30400	0.30501	0.28296
1,2-Dichloroethane-d4		0.40112	0.36073	0.31525	0.31505	0.29900
Toluene-d8		1.75793	1.58056	1.40453	1.41002	1.34048
Bromofluorobenzene		1.52323	1.37957	1.23588	1.24110	1.22026

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG		0.42756651		2.309	15.000
Chloromethane	AVRG		0.30690973		2.908	15.000
Vinyl Chloride	AVRG		0.22038065		2.378	30.000
Bromomethane	2ORDR	-0.0367530	4.99537271	0.69629962	0.9997325	0.9900000
Chloroethane	2ORDR	-0.0295444	8.63250215	2.86220882	0.9990502	0.9900000
Trichlorofluoromethane	AVRG		0.45721451		3.004	15.000
1,1-Dichloroethene	AVRG		0.26234071		6.731	30.000
Carbon disulfide	AVRG		0.93996192		2.534	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG		0.28755881		5.676	15.000
Acetone	2ORDR	-0.1422354	18.2981725	-0.1453290	0.9998151	0.9900000
Methylene Chloride	AVRG		0.29725024		4.426	15.000
trans-1,2-Dichloroethene	AVRG		0.29910581		4.901	15.000
Methyl-tert-butyl ether	AVRG		0.67314271		3.680	15.000
1,1-Dichloroethane	AVRG		0.53189399		2.560	15.000
cis-1,2-Dichloroethene	AVRG		0.31613324		4.445	15.000
2-butanone	AVRG		0.09242852		8.219	15.000
Chloroform	AVRG		0.52599241		2.102	30.000
1,1,1-Trichloroethane	AVRG		0.43636454		2.241	15.000
Carbon Tetrachloride	AVRG		0.34209913		4.083	15.000
Benzene	AVRG		1.04967698		3.734	15.000
1,2-Dichloroethane	AVRG		0.37442876		1.781	15.000
Trichloroethene	AVRG		0.27159297		2.978	15.000
1,2-Dichloropropane	AVRG		0.27545369		3.135	30.000
Bromodichloromethane	AVRG		0.37122891		1.243	15.000
cis-1,3-Dichloropropene	AVRG		0.44719291		1.139	15.000
4-Methyl-2-pentanone	AVRG		0.29582930		6.189	15.000
Toluene	AVRG		0.96983100		2.104	30.000
trans-1,3-Dichloropropene	AVRG		0.59165302		2.125	15.000
1,1,2-Trichloroethane	AVRG		0.31952046		1.547	15.000
Tetrachloroethene	AVRG		0.27140209		7.684	15.000
2-hexanone	AVRG		0.20799714		5.757	15.000
Dibromochloromethane	AVRG		0.36567205		3.288	15.000
1,2-Dibromoethane	AVRG		0.35810005		0.964	15.000
Chlorobenzene	AVRG		1.02223953		3.763	15.000
Ethylbenzene	AVRG		0.49114245		6.481	30.000
Styrene	AVRG		1.06851076		6.099	15.000
Bromoform	AVRG		0.24084027		3.601	15.000
Isopropyl Benzene	AVRG		1.42708890		10.316	15.000
1,1,2,2-Tetrachloroethane	AVRG		0.91520607		4.827	15.000
1,3-Dichlorobenzene	AVRG		1.44112771		8.679	15.000
1,4-Dichlorobenzene	AVRG		1.47295361		7.762	15.000
1,2-Dichlorobenzene	AVRG		1.32661470		7.188	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.14727638		9.568	15.000
1,2,4-Trichlorobenzene	AVRG		0.88225087		11.969	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

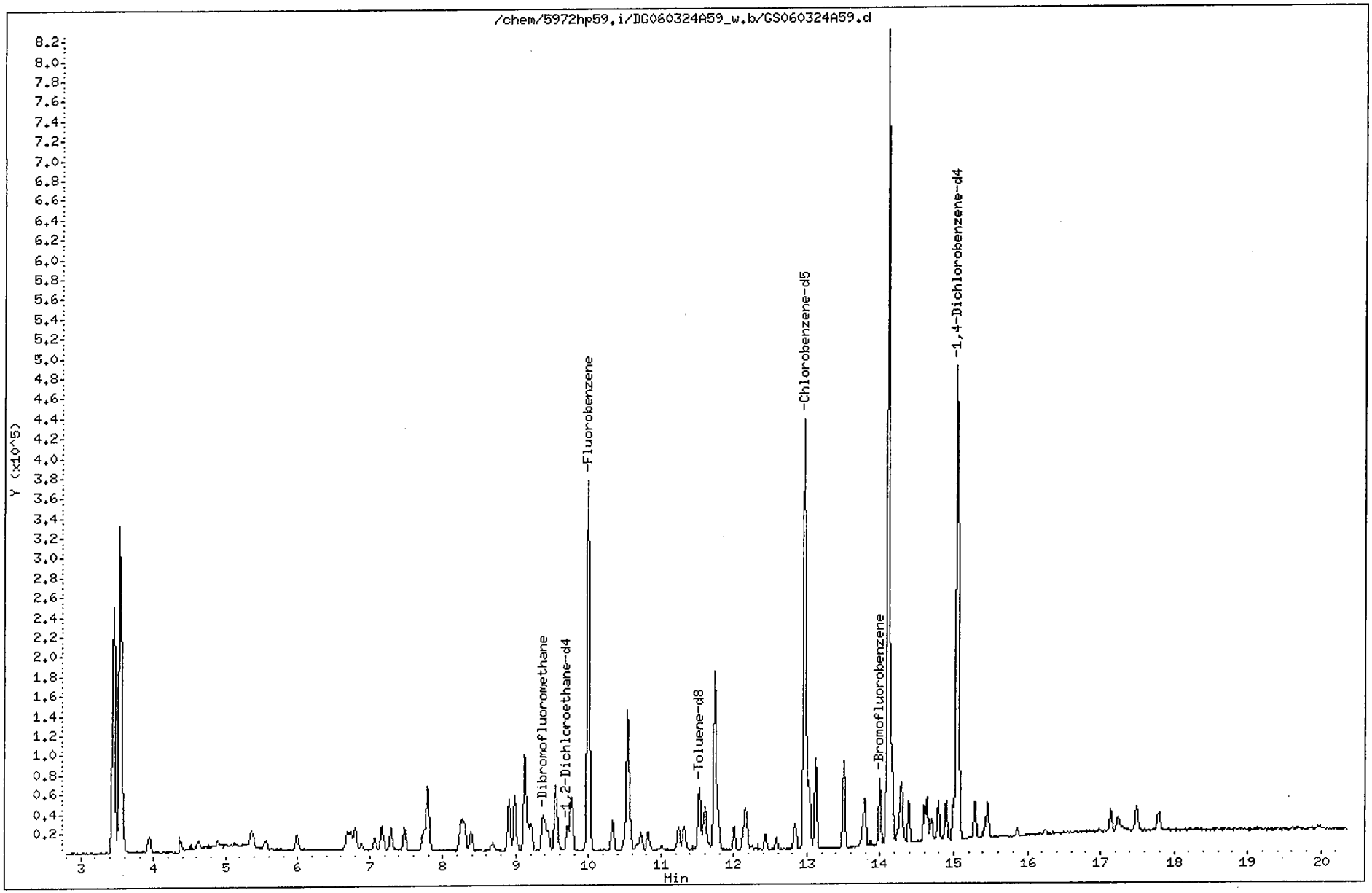
Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.60761677		6.596	15.000
Methyl acetate	AVRG		0.15514806		6.798	15.000
Cyclohexane	AVRG		0.34433244		11.340	15.000
Methylcyclohexane	AVRG		0.28733788		13.644	15.000
Dibromofluoromethane	AVRG		0.32281960		11.791	15.000
1,2-Dichloroethane-d4	AVRG		0.33822900		12.427	15.000
Toluene-d8	AVRG		1.49870425		11.346	15.000
Bromofluorobenzene	AVRG		1.32000965		9.885	15.000

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Date : 24-MAR-2006 15:53
Client ID: VSTD005
Sample Info: VSTD005:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 24-MAR-2006 15:53
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD005:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 15:53 Cal File: GS060324A59.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.986	9.986	(1.000)	497608	250.000	
*	2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	336199	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	168131	250.000	
$	4 Dibromofluoromethane	113	9.366	9.366	(0.938)	22697	25.0000	35
$	5 1,2-Dichloroethane-d4	65	9.700	9.700	(0.971)	23676	25.0000	35
$	6 Toluene-d8	98	11.522	11.522	(0.889)	68721	25.0000	34
$	7 Bromofluorobenzene	95	13.993	13.993	(0.930)	32374	25.0000	36
	8 Dichlorodifluoromethane	85	3.941	3.941	(0.395)	21659	25.0000	25
	9 Chloromethane	50	4.374	4.374	(0.438)	15921	25.0000	26
	10 Vinyl Chloride	62	4.620	4.620	(0.463)	11173	25.0000	25
	11 Bromomethane	94	5.369	5.369	(0.538)	17107	25.0000	34
	12 Chloroethane	64	5.556	5.556	(0.556)	11512	25.0000	43
	13 Trichlorofluoromethane	101	5.989	5.989	(0.600)	23142	25.0000	25
	14 Acrolein	56	6.678	6.678	(0.669)	18465	250.000	270
	15 1,1-Dichloroethene	96	6.806	6.806	(0.682)	14429	25.0000	28

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	4843	25.0000	22
17 Acetone	43	6.875	6.875	(0.688)	12233	62.5000	77
18 Iodomethane	142	7.072	7.072	(0.708)	19555	25.0000	25
19 1,1,2-trichloro-1,2,2-trifluo	101	6.757	6.757	(0.677)	12819	25.0000	22
20 Carbon disulfide	76	7.170	7.170	(0.718)	48311	25.0000	26
21 3-Chloropropene	76	7.288	7.288	(0.730)	7494	25.0000	26
22 Acetonitrile	41	7.288	7.288	(0.730)	20285	25.0000	27
23 Methyl acetate	43	7.279	7.279	(0.729)	8732	25.0000	28
24 Methylene Chloride	84	7.475	7.475	(0.749)	15757	25.0000	27
25 Acrylonitrile	53	7.790	7.790	(0.780)	40539	250.000	280
26 trans-1,2-Dichloroethene	96	7.800	7.800	(0.781)	15545	25.0000	26
27 trans-1,2-DCE (part of total)	96	7.800	7.800	(0.781)	15545	25.0000	26
28 Methyl-tert-butyl ether	73	7.741	7.741	(0.775)	35914	25.0000	27
29 1,1-Dichloroethane	63	8.302	8.302	(0.831)	27139	25.0000	26
30 Chloroprene	53	8.381	8.381	(0.839)	19302	25.0000	25
31 Vinyl acetate	43	8.283	8.283	(0.829)	41772	25.0000	26
32 Isopropyl ether	45	8.243	8.243	(0.825)	41818	25.0000	25
33 cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	16479	25.0000	26
34 cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	16479	25.0000	26
35 2,2-Dichloropropane	77	8.903	8.903	(0.892)	22139	25.0000	26
36 Propionitrile	54	8.982	8.982	(0.899)	74265	1250.00	1400
37 2-butanone	43	8.893	8.893	(0.891)	13387	62.5000	73
38 Methacrylonitrile	41	9.120	9.120	(0.913)	64475	250.000	280
39 Bromochloromethane	128	9.169	9.169	(0.918)	6912	25.0000	26
40 Chloroform	83	9.208	9.208	(0.922)	26578	25.0000	25
41 1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	21919	25.0000	25
42 Cyclohexane	56	9.444	9.444	(0.946)	13612	25.0000	20
43 1,1-dichloropropene	75	9.533	9.533	(0.955)	18555	25.0000	24
44 Carbon Tetrachloride	117	9.553	9.553	(0.957)	16104	25.0000	24
45 1,2-Dichloroethane	62	9.779	9.779	(0.979)	18734	25.0000	25
46 Isobutyl alcohol	43	9.543	9.543	(0.956)	22804	1250.00	1400
47 Benzene	78	9.759	9.759	(0.977)	55222	25.0000	26
48 Trichloroethene	130	10.330	10.330	(1.034)	13404	25.0000	25
49 Methylcyclohexane	83	10.508	10.508	(1.052)	11203	25.0000	20
50 1,2-Dichloropropane	63	10.577	10.577	(1.059)	13571	25.0000	25
51 Dibromomethane	174	10.724	10.724	(1.074)	8439	25.0000	27
52 1,4-dioxane	88	10.665	10.665	(1.068)	5872	1250.00	1400
53 Methylmethacrylate	69	10.537	10.537	(1.055)	80827	250.000	270
54 Bromodichloromethane	83	10.833	10.833	(1.085)	18333	25.0000	25
55 2-chloroethyl vinyl ether	63	11.020	11.020	(1.104)	2974	25.0000	25 (M)
56 cis-1,3-Dichloropropene	75	11.246	11.246	(1.126)	21910	25.0000	25
57 4-Methyl-2-pentanone	43	11.325	11.325	(0.874)	26533	62.5000	67
58 Toluene	92	11.600	11.600	(0.895)	31980	25.0000	25
59 trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	19395	25.0000	24
60 1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	10805	25.0000	25
61 Ethylmethacrylate	69	11.738	11.738	(0.906)	151204	250.000	270
62 1,3-Dichloropropane	76	12.181	12.181	(0.940)	19276	25.0000	26

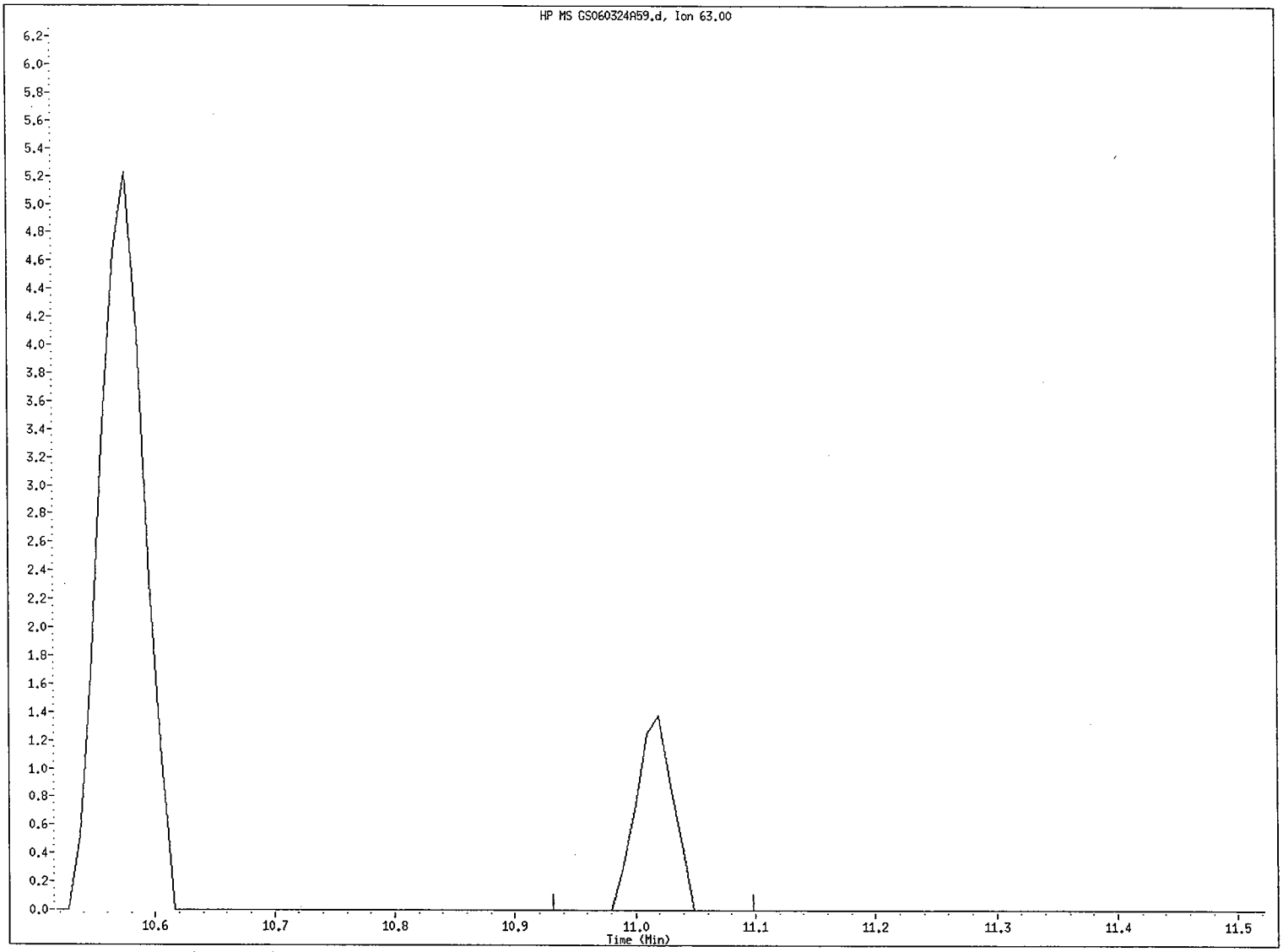
Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	7834	25.0000	21
64	2-hexanone	43	12.142	12.142	(0.937)	18667	62.5000	67
65	Dibromochloromethane	129	12.437	12.437	(0.960)	12081	25.0000	25
66	1,2-Dibromoethane	107	12.585	12.585	(0.971)	12133	25.0000	25
67	Chlorobenzene	112	12.989	12.989	(1.002)	32715	25.0000	24
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	10939	25.0000	23
70	Ethylbenzene	106	13.018	13.018	(1.005)	14577	25.0000	22
71	m,p-Xylene	106	13.117	13.117	(1.012)	35761	50.0000	44
72	m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	35761	50.0000	44
73	o-Xylene	106	13.501	13.501	(1.042)	18485	25.0000	23
74	o-Xylene (part of total)	106	13.501	13.501	(1.042)	18485	25.0000	23
75	Styrene	104	13.510	13.510	(1.043)	32025	25.0000	22
76	Bromoform	173	13.776	13.776	(1.063)	7777	25.0000	24
78	Isopropyl Benzene	105	13.796	13.796	(1.065)	39284	25.0000	20
79	1,1,2,2-Tetrachloroethane	83	14.081	14.081	(0.936)	16126	25.0000	26
80	1,2,3-Trichloropropane	110	14.150	14.150	(1.092)	4195	25.0000	27
81	Bromobenzene	156	14.170	14.170	(1.093)	12494	25.0000	24
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	202724	100.000	110
83	n-Propyl Benzene	91	14.150	14.150	(0.940)	56929	25.0000	44
84	2-Chlorotoluene	126	14.308	14.308	(0.951)	10062	25.0000	21
85	4-Chlorotoluene	126	14.396	14.396	(0.957)	10442	25.0000	21
86	1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	33469	25.0000	20
87	Pentachloroethane	167	14.702	14.702	(0.977)	6260	25.0000	23
88	tert-Butyl Benzene	119	14.593	14.593	(0.970)	29033	25.0000	20
89	1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	35066	25.0000	20
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	39906	25.0000	19
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	20651	25.0000	21
92	p-Isopropyl Toluene	119	14.899	14.899	(0.990)	31548	25.0000	20
93	1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	21590	25.0000	22
94	1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	19641	25.0000	22
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	31556	25.0000	20
96	1,2-Dibromo-3-Chloropropane	157	16.257	16.257	(1.080)	2262	25.0000	23
97	1,2,4-Trichlorobenzene	180	17.133	17.133	(1.139)	12135	25.0000	20
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	4504	25.0000	19
99	Naphthalene	128	17.488	17.488	(1.162)	32449	25.0000	24
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	11234	25.0000	21
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				32024	50.0000	52
M 102	Xylene (total)	106				54246	75.0000	66

QC Flag Legend

M - Compound response manually integrated.

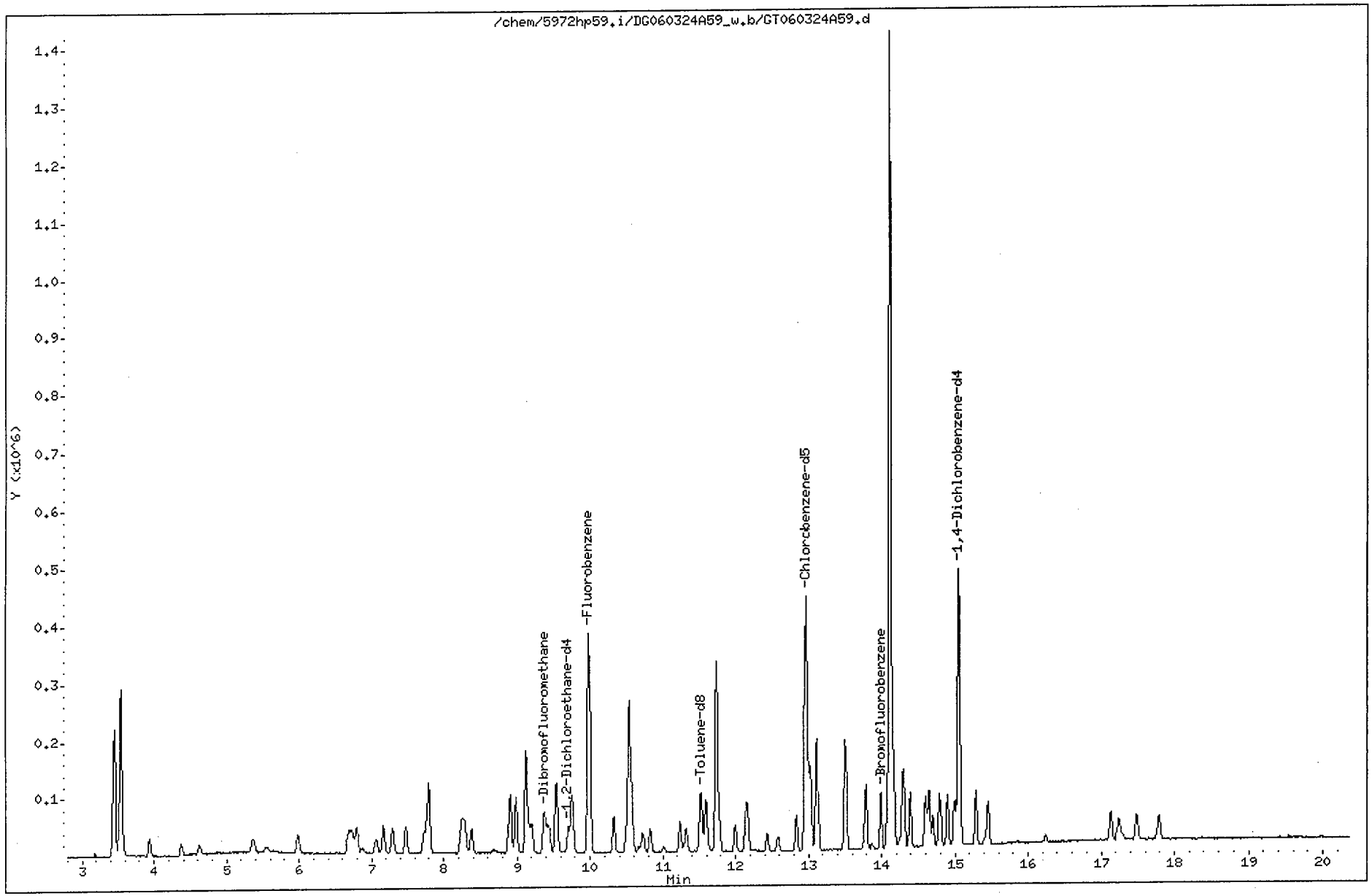
2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 2974 Manually integrated



File name: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 24-MAR-2006 15:53
Retention Time: 11.02
Operator ID: 2473

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Date : 24-MAR-2006 16:21
Client ID: VSTD010
Sample Info: VSTD010:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 24-MAR-2006 16:21
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD010:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:21 Cal File: GT060324A59.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.988	9.988	(1.000)	492258	250.000	
* 2 Chlorobenzene-d5	117	12.961	12.961	(1.000)	326896	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.048	15.048	(1.000)	161486	250.000	
$ 4 Dibromofluoromethane	113	9.368	9.368	(0.938)	37267	50.0000	59
$ 5 1,2-Dichloroethane-d4	65	9.702	9.702	(0.971)	39491	50.0000	59
$ 6 Toluene-d8	98	11.514	11.514	(0.888)	114932	50.0000	59
$ 7 Bromofluorobenzene	95	13.995	13.995	(0.930)	49196	50.0000	58
8 Dichlorodifluoromethane	85	3.933	3.933	(0.394)	42830	50.0000	51
9 Chloromethane	50	4.376	4.376	(0.438)	30193	50.0000	50
10 Vinyl Chloride	62	4.622	4.622	(0.463)	21578	50.0000	50
11 Bromomethane	94	5.361	5.361	(0.537)	21472	50.0000	46
12 Chloroethane	64	5.548	5.548	(0.555)	11726	50.0000	44
13 Trichlorofluoromethane	101	5.981	5.981	(0.599)	45804	50.0000	51
14 Acrolein	56	6.680	6.680	(0.669)	31847	500.000	470
15 1,1-Dichloroethene	96	6.798	6.798	(0.681)	26728	50.0000	52

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

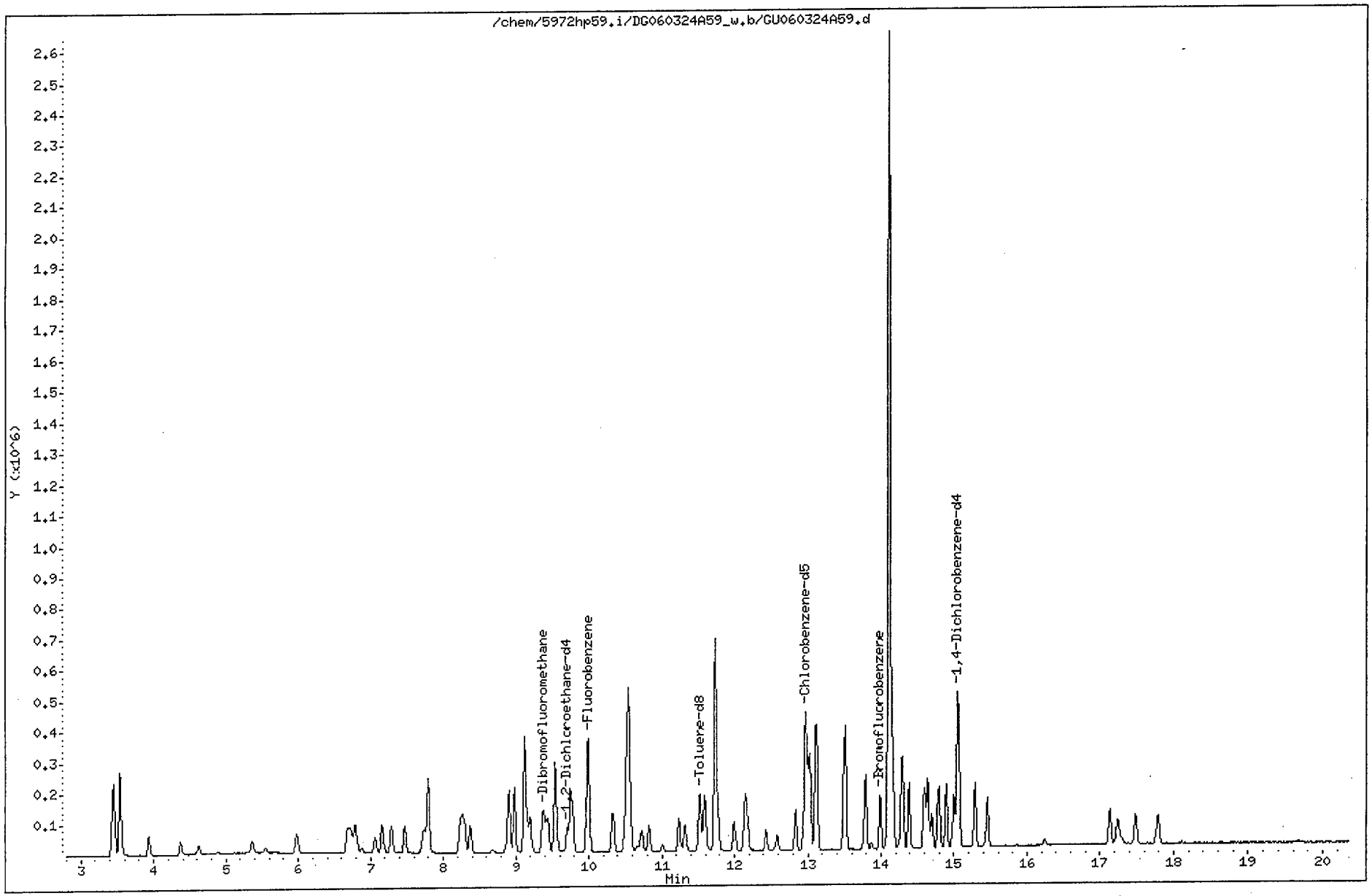
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.710	6.710	(0.672)	10946	50.0000	50
17 Acetone	43	6.877	6.877	(0.689)	16566	125.000	120
18 Iodomethane	142	7.064	7.064	(0.707)	39157	50.0000	50
19 1,1,2-trichloro-1,2,2-trifluo	101	6.739	6.739	(0.675)	28752	50.0000	51
20 Carbon disulfide	76	7.162	7.162	(0.717)	93116	50.0000	50
21 3-Chloropropene	76	7.290	7.290	(0.730)	14156	50.0000	50
22 Acetonitrile	41	7.290	7.290	(0.730)	37183	50.0000	50
23 Methyl acetate	43	7.281	7.281	(0.729)	14853	50.0000	49
24 Methylene Chloride	84	7.477	7.477	(0.749)	29948	50.0000	51
25 Acrylonitrile	53	7.793	7.793	(0.780)	69359	500.000	480
26 trans-1,2-Dichloroethene	96	7.793	7.793	(0.780)	30704	50.0000	52
27 trans-1,2-DCE (part of total)	96	7.793	7.793	(0.780)	30704	50.0000	52
28 Methyl-tert-butyl ether	73	7.733	7.733	(0.774)	64353	50.0000	49
29 1,1-Dichloroethane	63	8.304	8.304	(0.831)	52266	50.0000	50
30 Chloroprene	53	8.373	8.373	(0.838)	37794	50.0000	49
31 Vinyl acetate	43	8.265	8.265	(0.828)	77869	50.0000	48
32 Isopropyl ether	45	8.245	8.245	(0.826)	80998	50.0000	49
33 cis-1,2-Dichloroethene	96	8.905	8.905	(0.892)	32130	50.0000	52
34 cis-1,2-DCE (part of total)	96	8.905	8.905	(0.892)	32130	50.0000	52
35 2,2-Dichloropropane	77	8.895	8.895	(0.891)	43692	50.0000	51
36 Propionitrile	54	8.984	8.984	(0.899)	122610	2500.00	2300
37 2-butanone	43	8.885	8.885	(0.890)	22272	125.000	120
38 Methacrylonitrile	41	9.122	9.122	(0.913)	113190	500.000	490
39 Bromochloromethane	128	9.171	9.171	(0.918)	13712	50.0000	52
40 Chloroform	83	9.210	9.210	(0.922)	51815	50.0000	50
41 1,1,1-Trichloroethane	97	9.397	9.397	(0.941)	43064	50.0000	50
42 Cyclohexane	56	9.437	9.437	(0.945)	32201	50.0000	47
43 1,1-dichloropropene	75	9.535	9.535	(0.955)	38092	50.0000	51
44 Carbon Tetrachloride	117	9.545	9.545	(0.956)	33662	50.0000	50
45 1,2-Dichloroethane	62	9.771	9.771	(0.978)	36513	50.0000	50
46 Isobutyl alcohol	43	9.545	9.545	(0.956)	35554	2500.00	2200
47 Benzene	78	9.752	9.752	(0.976)	103742	50.0000	50
48 Trichloroethene	130	10.332	10.332	(1.034)	27905	50.0000	52
49 Methylcyclohexane	83	10.500	10.500	(1.051)	25788	50.0000	46
50 1,2-Dichloropropane	63	10.569	10.569	(1.058)	28040	50.0000	52
51 Dibromomethane	174	10.726	10.726	(1.074)	15385	50.0000	49
52 1,4-dioxane	88	10.667	10.667	(1.068)	9613	2500.00	2200
53 Methylmethacrylate	69	10.539	10.539	(1.055)	146408	500.000	500
54 Bromodichloromethane	83	10.825	10.825	(1.084)	36155	50.0000	49
55 2-chloroethyl vinyl ether	63	11.022	11.022	(1.103)	5688	50.0000	48
56 cis-1,3-Dichloropropene	75	11.238	11.238	(1.125)	43877	50.0000	50
57 4-Methyl-2-pentanone	43	11.317	11.317	(0.873)	44085	125.000	110
58 Toluene	92	11.593	11.593	(0.894)	64113	50.0000	51
59 trans-1,3-Dichloropropene	75	11.780	11.780	(0.909)	38018	50.0000	49
60 1,1,2-Trichloroethane	97	11.996	11.996	(0.926)	21076	50.0000	50
61 Ethylmethacrylate	69	11.730	11.730	(0.905)	277256	500.000	510
62 1,3-Dichloropropane	76	12.174	12.174	(0.939)	36133	50.0000	50

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.154	12.154	(0.938)	17285	50.0000	49
64	2-hexanone	43	12.134	12.134	(0.936)	30839	125.000	110
65	Dibromochloromethane	129	12.429	12.429	(0.959)	22655	50.0000	47
66	1,2-Dibromoethane	107	12.577	12.577	(0.970)	23527	50.0000	50
67	Chlorobenzene	112	12.991	12.991	(1.002)	67719	50.0000	51
69	1,1,1,2-Tetrachloroethane	131	13.040	13.040	(1.006)	22916	50.0000	50
70	Ethylbenzene	106	13.020	13.020	(1.005)	31600	50.0000	49
71	m,p-Xylene	106	13.119	13.119	(1.012)	78459	100.000	98
72	m,p-Xylene (part of total)	106	13.119	13.119	(1.012)	78459	100.000	98
73	o-Xylene	106	13.503	13.503	(1.042)	39179	50.0000	50
74	o-Xylene (part of total)	106	13.503	13.503	(1.042)	39179	50.0000	50
75	Styrene	104	13.512	13.512	(1.043)	68358	50.0000	49
76	Bromoform	173	13.778	13.778	(1.063)	15018	50.0000	48
78	Isopropyl Benzene	105	13.788	13.788	(1.064)	87681	50.0000	47
79	1,1,2,2-Tetrachloroethane	83	14.083	14.083	(0.936)	29996	50.0000	51
80	1,2,3-Trichloropropane	110	14.152	14.152	(1.092)	7559	50.0000	51
81	Bromobenzene	156	14.172	14.172	(1.093)	26184	50.0000	51
82	trans-1,4-dichloro-2-butene	53	14.113	14.113	(1.089)	368722	200.000	210
83	n-Propyl Benzene	91	14.152	14.152	(0.940)	116087	50.0000	59
84	2-Chlorotoluene	126	14.300	14.300	(0.950)	22240	50.0000	48
85	4-Chlorotoluene	126	14.389	14.389	(0.956)	22853	50.0000	47
86	1,3,5-Trimethyl Benzene	105	14.280	14.280	(0.949)	74388	50.0000	46
87	Pentachloroethane	167	14.704	14.704	(0.977)	12539	50.0000	48
88	tert-Butyl Benzene	119	14.595	14.595	(0.970)	63468	50.0000	46
89	1,2,4-Trimethyl Benzene	105	14.645	14.645	(0.973)	77616	50.0000	46
90	sec-Butyl Benzene	105	14.792	14.792	(0.983)	90129	50.0000	45
91	1,3-Dichlorobenzene	146	14.999	14.999	(0.997)	43913	50.0000	47
92	p-Isopropyl Toluene	119	14.891	14.891	(0.990)	70630	50.0000	46
93	1,4-Dichlorobenzene	146	15.068	15.068	(1.001)	44653	50.0000	47
94	1,2-Dichlorobenzene	146	15.452	15.452	(1.027)	40572	50.0000	47
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.285	15.285	(1.016)	74242	50.0000	47
96	1,2-Dibromo-3-Chloropropane	157	16.249	16.249	(1.080)	4202	50.0000	44
97	1,2,4-Trichlorobenzene	180	17.135	17.135	(1.139)	26194	50.0000	46
98	Hexachlorobutadiene	225	17.244	17.244	(1.146)	12222	50.0000	49
99	Naphthalene	128	17.490	17.490	(1.162)	56179	50.0000	44
100	1,2,3-Trichlorobenzene	180	17.785	17.785	(1.182)	22120	50.0000	44
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				62834	100.000	100
M 102	Xylene (total)	106				117638	150.000	150

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Date : 24-MAR-2006 16:49
Client ID: VSTD020
Sample Info: VSTD020:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 24-MAR-2006 16:49
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD020:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:49 Cal File: GU060324A59.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.990	9.990	(1.000)	479714	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.964	(1.000)	322443	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.051	15.051	(1.000)	157239	250.000	
$ 4 Dibromofluoromethane	113	9.370	9.370	(0.938)	65931	100.000	110
$ 5 1,2-Dichloroethane-d4	65	9.705	9.705	(0.971)	69219	100.000	110
$ 6 Toluene-d8	98	11.526	11.526	(0.889)	203856	100.000	110
$ 7 Bromofluorobenzene	95	13.987	13.987	(0.929)	86769	100.000	100
8 Dichlorodifluoromethane	85	3.936	3.936	(0.394)	83915	100.000	100
9 Chloromethane	50	4.379	4.379	(0.438)	58928	100.000	100
10 Vinyl Chloride	62	4.625	4.625	(0.463)	43600	100.000	100
11 Bromomethane	94	5.363	5.363	(0.537)	40600	100.000	98
12 Chloroethane	64	5.550	5.550	(0.556)	21649	100.000	91
13 Trichlorofluoromethane	101	5.983	5.983	(0.599)	91159	100.000	100
14 Acrolein	56	6.682	6.682	(0.669)	67609	1000.00	1000
15 1,1-Dichloroethene	96	6.801	6.801	(0.681)	51631	100.000	100

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.702	6.702	(0.671)	22313	100.000	110
17 Acetone	43	6.879	6.879	(0.689)	30009	250.000	250
18 Iodomethane	142	7.066	7.066	(0.707)	80129	100.000	110
19 1,1,2-trichloro-1,2,2-trifluo	101	6.742	6.742	(0.675)	59025	100.000	110
20 Carbon disulfide	76	7.165	7.165	(0.717)	183198	100.000	100
21 3-Chloropropene	76	7.293	7.293	(0.730)	27703	100.000	100
22 Acetonitrile	41	7.293	7.293	(0.730)	73653	100.000	100
23 Methyl acetate	43	7.283	7.283	(0.729)	29298	100.000	98
24 Methylene Chloride	84	7.470	7.470	(0.748)	58014	100.000	100
25 Acrylonitrile	53	7.785	7.785	(0.779)	142824	1000.00	1000
26 trans-1,2-Dichloroethene	96	7.795	7.795	(0.780)	59220	100.000	100
27 trans-1,2-DCE (part of total)	96	7.795	7.795	(0.780)	59220	100.000	100
28 Methyl-tert-butyl ether	73	7.736	7.736	(0.774)	127893	100.000	99
29 1,1-Dichloroethane	63	8.297	8.297	(0.830)	105155	100.000	100
30 Chloroprene	53	8.376	8.376	(0.838)	76609	100.000	100
31 Vinyl acetate	43	8.267	8.267	(0.828)	160711	100.000	100
32 Isopropyl ether	45	8.248	8.248	(0.826)	164946	100.000	100
33 cis-1,2-Dichloroethene	96	8.907	8.907	(0.892)	62241	100.000	100
34 cis-1,2-DCE (part of total)	96	8.907	8.907	(0.892)	62241	100.000	100
35 2,2-Dichloropropane	77	8.898	8.898	(0.891)	85465	100.000	100
36 Propionitrile	54	8.986	8.986	(0.899)	261663	5000.00	5100
37 2-butanone	43	8.888	8.888	(0.890)	42696	250.000	240
38 Methacrylonitrile	41	9.124	9.124	(0.913)	235635	1000.00	1000
39 Bromochloromethane	128	9.163	9.163	(0.917)	26450	100.000	100
40 Chloroform	83	9.203	9.203	(0.921)	102527	100.000	100
41 1,1,1-Trichloroethane	97	9.400	9.400	(0.941)	86275	100.000	100
42 Cyclohexane	56	9.439	9.439	(0.945)	69657	100.000	110
43 1,1-dichloropropene	75	9.537	9.537	(0.955)	78840	100.000	110
44 Carbon Tetrachloride	117	9.547	9.547	(0.956)	70213	100.000	110
45 1,2-Dichloroethane	62	9.774	9.774	(0.978)	73654	100.000	100
46 Isobutyl alcohol	43	9.547	9.547	(0.956)	79945	5000.00	5200
47 Benzene	78	9.754	9.754	(0.976)	206153	100.000	100
48 Trichloroethene	130	10.335	10.335	(1.034)	53693	100.000	100
49 Methylcyclohexane	83	10.502	10.502	(1.051)	59611	100.000	110
50 1,2-Dichloropropane	63	10.571	10.571	(1.058)	54318	100.000	100
51 Dibromomethane	174	10.729	10.729	(1.074)	30783	100.000	100
52 1,4-dioxane	88	10.670	10.670	(1.068)	20193	5000.00	4800
53 Methylmethacrylate	69	10.542	10.542	(1.055)	300295	1000.00	1000
54 Bromodichloromethane	83	10.827	10.827	(1.084)	72839	100.000	100
55 2-chloroethyl vinyl ether	63	11.014	11.014	(1.102)	12069	100.000	100
56 cis-1,3-Dichloropropene	75	11.241	11.241	(1.125)	87511	100.000	100
57 4-Methyl-2-pentanone	43	11.319	11.319	(0.873)	90954	250.000	240
58 Toluene	92	11.595	11.595	(0.894)	127912	100.000	100
59 trans-1,3-Dichloropropene	75	11.782	11.782	(0.909)	78614	100.000	100
60 1,1,2-Trichloroethane	97	11.999	11.999	(0.926)	41481	100.000	100
61 Ethylmethacrylate	69	11.733	11.733	(0.905)	569688	1000.00	1100
62 1,3-Dichloropropane	76	12.176	12.176	(0.939)	71706	100.000	100

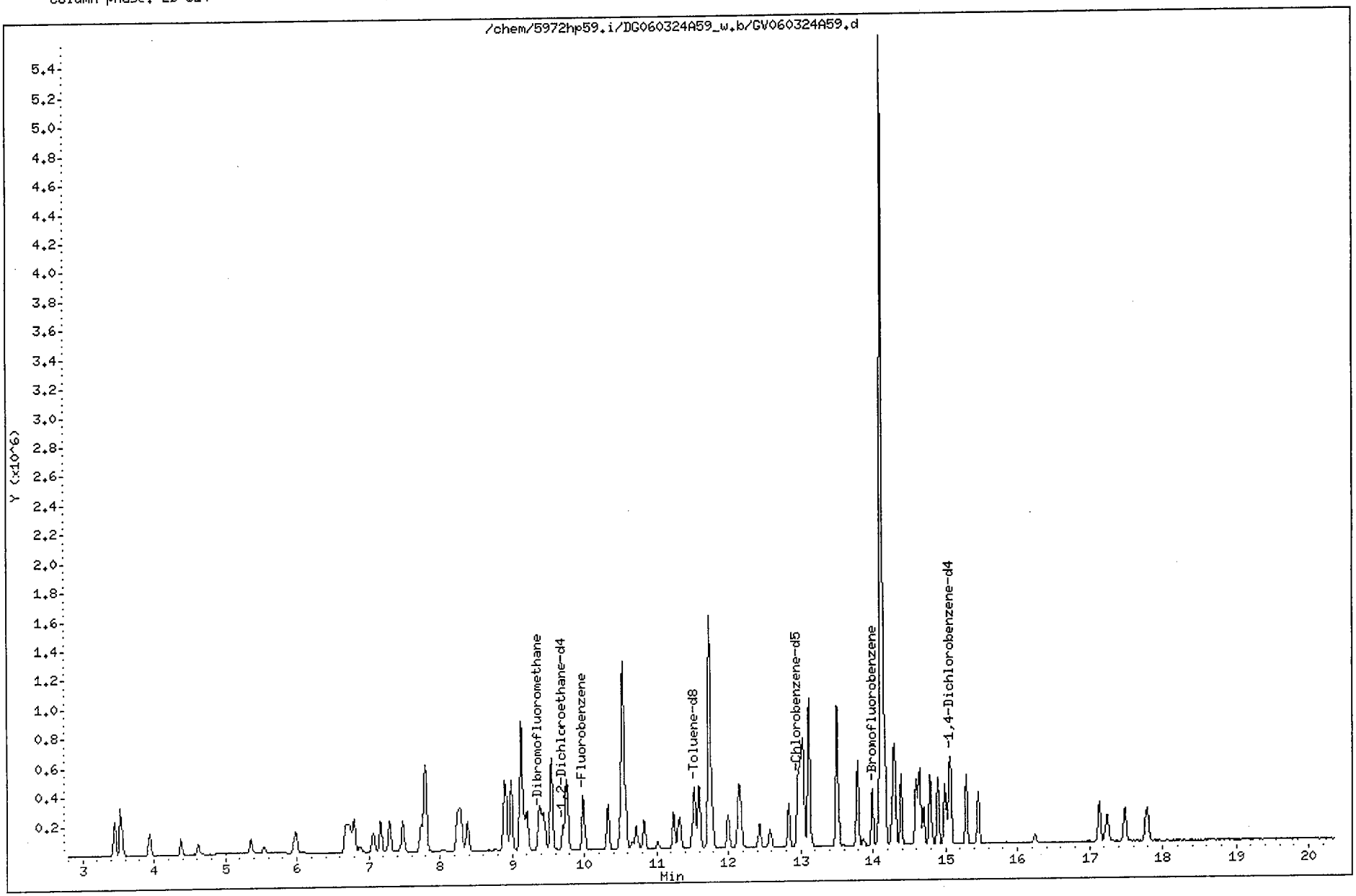
Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.156	12.156	(0.938)	37682	100.000	110
64 2-hexanone	43	12.137	12.137	(0.936)	65102	250.000	240
65 Dibromochloromethane	129	12.432	12.432	(0.959)	46681	100.000	99
66 1,2-Dibromoethane	107	12.580	12.580	(0.970)	46677	100.000	100
67 Chlorobenzene	112	12.993	12.993	(1.002)	139400	100.000	110
69 1,1,1,2-Tetrachloroethane	131	13.042	13.042	(1.006)	46375	100.000	100
70 Ethylbenzene	106	13.023	13.023	(1.005)	67341	100.000	110
71 m,p-Xylene	106	13.121	13.121	(1.012)	168911	200.000	210
72 m,p-Xylene (part of total)	106	13.121	13.121	(1.012)	168911	200.000	210
73 o-Xylene	106	13.505	13.505	(1.042)	82296	100.000	110
74 o-Xylene (part of total)	106	13.505	13.505	(1.042)	82296	100.000	110
75 Styrene	104	13.515	13.515	(1.043)	143925	100.000	100
76 Bromoform	173	13.771	13.771	(1.062)	31248	100.000	100
78 Isopropyl Benzene	105	13.791	13.791	(1.064)	196622	100.000	110
79 1,1,2,2-Tetrachloroethane	83	14.076	14.076	(0.935)	60033	100.000	100
80 1,2,3-Trichloropropane	110	14.155	14.155	(1.092)	15475	100.000	110
81 Bromobenzene	156	14.174	14.174	(1.093)	53135	100.000	110
82 trans-1,4-dichloro-2-butene	53	14.115	14.115	(1.089)	723474	400.000	430
83 n-Propyl Benzene	91	14.155	14.155	(0.940)	295263	100.000	100
84 2-Chlorotoluene	126	14.302	14.302	(0.950)	47380	100.000	110
85 4-Chlorotoluene	126	14.391	14.391	(0.956)	49700	100.000	110
86 1,3,5-Trimethyl Benzene	105	14.283	14.283	(0.949)	168842	100.000	110
87 Pentachloroethane	167	14.696	14.696	(0.976)	25349	100.000	100
88 tert-Butyl Benzene	119	14.598	14.598	(0.970)	141821	100.000	100
89 1,2,4-Trimethyl Benzene	105	14.637	14.637	(0.973)	174544	100.000	110
90 sec-Butyl Benzene	105	14.795	14.795	(0.983)	204640	100.000	110
91 1,3-Dichlorobenzene	146	15.001	15.001	(0.997)	94598	100.000	100
92 p-Isopropyl Toluene	119	14.893	14.893	(0.990)	157970	100.000	100
93 1,4-Dichlorobenzene	146	15.070	15.070	(1.001)	98514	100.000	110
94 1,2-Dichlorobenzene	146	15.454	15.454	(1.027)	87630	100.000	110
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.287	15.287	(1.016)	167644	100.000	110
96 1,2-Dibromo-3-Chloropropane	157	16.242	16.242	(1.079)	9145	100.000	99
97 1,2,4-Trichlorobenzene	180	17.138	17.138	(1.139)	56764	100.000	100
98 Hexachlorobutadiene	225	17.236	17.236	(1.145)	26229	100.000	100
99 Naphthalene	128	17.482	17.482	(1.162)	123652	100.000	98
100 1,2,3-Trichlorobenzene	180	17.788	17.788	(1.182)	49964	100.000	100
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				121461	200.000	210
M 102 Xylene (total)	106				251207	300.000	320

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Date : 24-MAR-2006 17:17
Client ID: VSTD050
Sample Info: VSTD050:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 24-MAR-2006 17:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD050:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 17:17 Cal File: GV060324A59.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.986	9.986	(1.000)	475460	250.000	
*	2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	317456	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	151261	250.000	
$	4 Dibromofluoromethane	113	9.366	9.366	(0.938)	144540	250.000	240
$	5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	149887	250.000	230
$	6 Toluene-d8	98	11.522	11.522	(0.889)	445878	250.000	230
$	7 Bromofluorobenzene	95	13.993	13.993	(0.930)	186941	250.000	230
	8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	199507	250.000	250
	9 Chloromethane	50	4.374	4.374	(0.438)	140236	250.000	240
	10 Vinyl Chloride	62	4.621	4.621	(0.463)	102411	250.000	240
	11 Bromomethane	94	5.359	5.359	(0.537)	93440	250.000	240
	12 Chloroethane	64	5.546	5.546	(0.555)	52194	250.000	240
	13 Trichlorofluoromethane	101	5.979	5.979	(0.599)	215354	250.000	250
	14 Acrolein	56	6.678	6.678	(0.669)	159246	2500.00	2400
	15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	118253	250.000	240

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

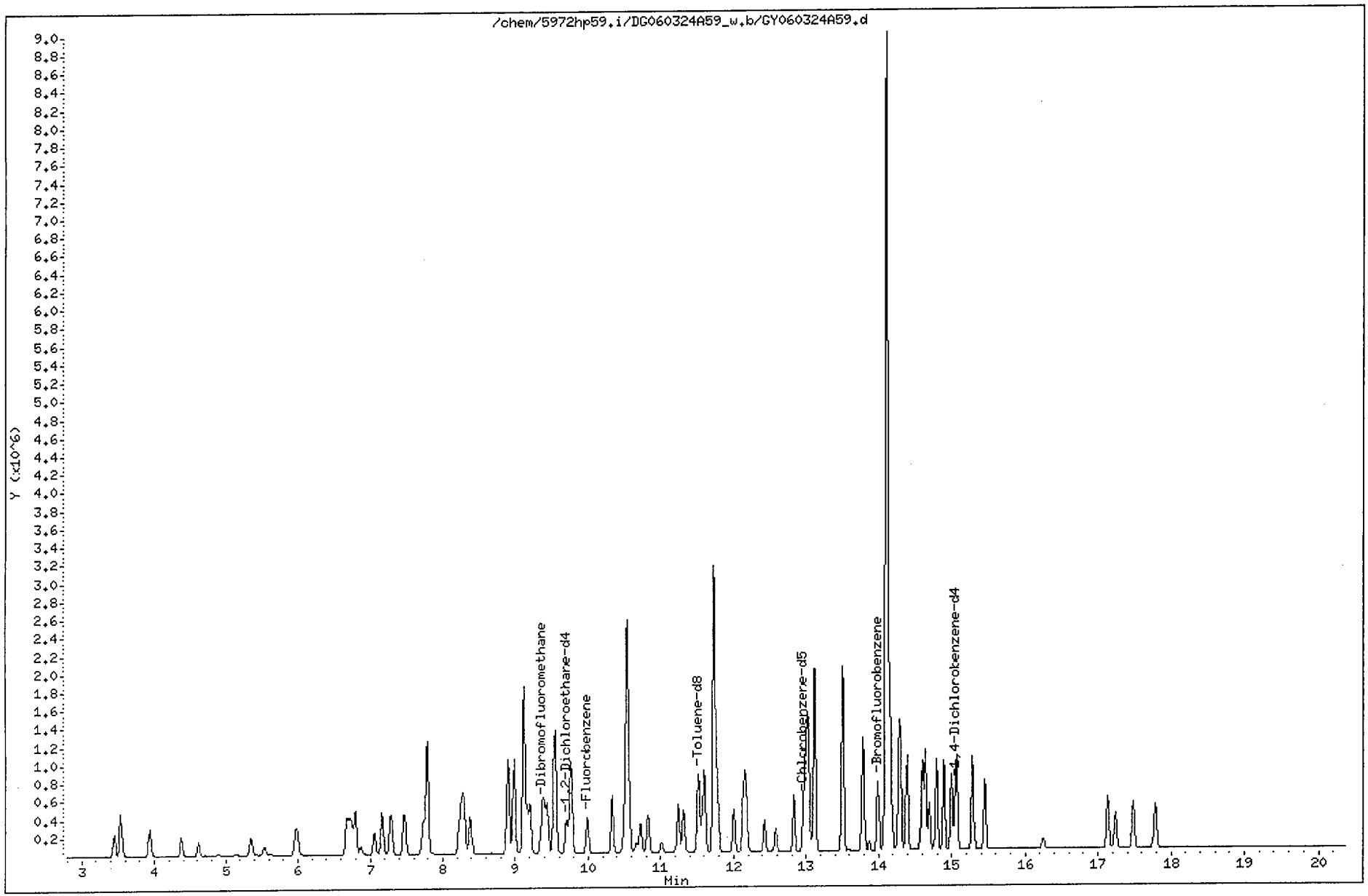
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16	1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	54229	250.000	260
17	Acetone	43	6.875	6.875	(0.688)	66711	625.000	610
18	Iodomethane	142	7.062	7.062	(0.707)	193533	250.000	260
19	1,1,2-trichloro-1,2,2-trifluo	101	6.737	6.737	(0.675)	138119	250.000	250
20	Carbon disulfide	76	7.161	7.161	(0.717)	434699	250.000	240
21	3-Chloropropene	76	7.289	7.289	(0.730)	68115	250.000	250
22	Acetonitrile	41	7.289	7.289	(0.730)	175051	250.000	240
23	Methyl acetate	43	7.279	7.279	(0.729)	70928	250.000	240
24	Methylene Chloride	84	7.476	7.476	(0.749)	138450	250.000	240
25	Acrylonitrile	53	7.791	7.791	(0.780)	343762	2500.00	2500
26	trans-1,2-Dichloroethene	96	7.801	7.801	(0.781)	138214	250.000	240
27	trans-1,2-DCE (part of total)	96	7.801	7.801	(0.781)	138214	250.000	240
28	Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	320157	250.000	250
29	1,1-Dichloroethane	63	8.303	8.303	(0.831)	249123	250.000	250
30	Chloroprene	53	8.381	8.381	(0.839)	186632	250.000	250
31	Vinyl acetate	43	8.273	8.273	(0.828)	388019	250.000	250
32	Isopropyl ether	45	8.244	8.244	(0.826)	400790	250.000	250
33	cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	148913	250.000	250
34	cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	148913	250.000	250
35	2,2-Dichloropropane	77	8.903	8.903	(0.892)	203384	250.000	250
36	Propionitrile	54	8.982	8.982	(0.899)	626589	12500.0	12000
37	2-butanone	43	8.883	8.883	(0.890)	105502	625.000	600
38	Methacrylonitrile	41	9.120	9.120	(0.913)	557881	2500.00	2500
39	Bromochloromethane	128	9.169	9.169	(0.918)	63959	250.000	250
40	Chloroform	83	9.208	9.208	(0.922)	253701	250.000	250
41	1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	209609	250.000	250
42	Cyclohexane	56	9.435	9.435	(0.945)	168342	250.000	260
43	1,1-dichloropropene	75	9.533	9.533	(0.955)	183050	250.000	250
44	Carbon Tetrachloride	117	9.553	9.553	(0.957)	164474	250.000	250
45	1,2-Dichloroethane	62	9.779	9.779	(0.979)	180540	250.000	250
46	Isobutyl alcohol	43	9.543	9.543	(0.956)	187292	12500.0	12000
47	Benzene	78	9.750	9.750	(0.976)	495519	250.000	250
48	Trichloroethene	130	10.331	10.331	(1.034)	127332	250.000	250
49	Methylcyclohexane	83	10.508	10.508	(1.052)	136803	250.000	250
50	1,2-Dichloropropane	63	10.567	10.567	(1.058)	133040	250.000	250
51	Dibromomethane	174	10.724	10.724	(1.074)	74491	250.000	250
52	1,4-dioxane	88	10.665	10.665	(1.068)	51863	12500.0	12000
53	Methylmethacrylate	69	10.537	10.537	(1.055)	720901	2500.00	2500
54	Bromodichloromethane	83	10.823	10.823	(1.084)	176888	250.000	250
55	2-chloroethyl vinyl ether	63	11.020	11.020	(1.103)	28977	250.000	250
56	cis-1,3-Dichloropropene	75	11.236	11.236	(1.125)	212687	250.000	250
57	4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	231493	625.000	620
58	Toluene	92	11.591	11.591	(0.894)	313038	250.000	250
59	trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	191214	250.000	250
60	1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	101445	250.000	250
61	Ethylmethacrylate	69	11.739	11.739	(0.906)	1366176	2500.00	2600
62	1,3-Dichloropropane	76	12.172	12.172	(0.939)	174389	250.000	250

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	89018	250.000	260
64	2-hexanone	43	12.132	12.132	(0.936)	164609	625.000	620
65	Dibromochloromethane	129	12.438	12.438	(0.960)	118961	250.000	260
66	1,2-Dibromoethane	107	12.585	12.585	(0.971)	112671	250.000	250
67	Chlorobenzene	112	12.989	12.989	(1.002)	328657	250.000	250
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	114949	250.000	260
70	Ethylbenzene	106	13.018	13.018	(1.005)	160465	250.000	260
71	m,p-Xylene	106	13.117	13.117	(1.012)	402512	500.000	520
72	m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	402512	500.000	520
73	o-Xylene	106	13.501	13.501	(1.042)	198412	250.000	260
74	o-Xylene (part of total)	106	13.501	13.501	(1.042)	198412	250.000	260
75	Styrene	104	13.511	13.511	(1.043)	355693	250.000	260
76	Bromoform	173	13.776	13.776	(1.063)	77025	250.000	250
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	463373	250.000	260
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	138765	250.000	250
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	36095	250.000	250
81	Bromobenzene	156	14.170	14.170	(1.093)	127178	250.000	260
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	1549615	1000.00	930
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	610012	250.000	190
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	112611	250.000	260
85	4-Chlorotoluene	126	14.387	14.387	(0.956)	116323	250.000	260
86	1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	392966	250.000	260
87	Pentachloroethane	167	14.702	14.702	(0.977)	62563	250.000	260
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	333920	250.000	260
89	1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	409569	250.000	260
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	479559	250.000	260
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	222269	250.000	250
92	p-Isopropyl Toluene	119	14.899	14.899	(0.990)	372403	250.000	260
93	1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	228405	250.000	260
94	1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	204027	250.000	250
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	393559	250.000	250
96	1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	22407	250.000	250
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	135252	250.000	250
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	65195	250.000	260
99	Naphthalene	128	17.488	17.488	(1.162)	304113	250.000	250
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	121903	250.000	260
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				287127	500.000	490
M 102	Xylene (total)	106				600924	750.000	780

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Date : 24-MAR-2006 18:40
Client ID: VSTD100
Sample Info: VSTD100:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 24-MAR-2006 18:40
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD100:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	9.987	9.987	(1.000)	500262	250.000	
*	2 Chlorobenzene-d5	117	12.960	12.960	(1.000)	329384	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.047	15.047	(1.000)	156009	250.000	
$	4 Dibromofluoromethane	113	9.367	9.367	(0.938)	305167	500.000	470
$	5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	315214	500.000	470
$	6 Toluene-d8	98	11.523	11.523	(0.889)	928875	500.000	470
$	7 Bromofluorobenzene	95	13.984	13.984	(0.929)	387247	500.000	470
	8 Dichlorodifluoromethane	85	3.932	3.932	(0.394)	413379	500.000	480
	9 Chloromethane	50	4.375	4.375	(0.438)	300043	500.000	490
	10 Vinyl Chloride	62	4.621	4.621	(0.463)	222309	500.000	500
	11 Bromomethane	94	5.350	5.350	(0.536)	195649	500.000	510
	12 Chloroethane	64	5.537	5.537	(0.554)	111692	500.000	510
	13 Trichlorofluoromethane	101	5.980	5.980	(0.599)	437920	500.000	480
	14 Acrolein	56	6.669	6.669	(0.668)	349465	5000.00	5100
	15 1,1-Dichloroethene	96	6.797	6.797	(0.681)	251719	500.000	480

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

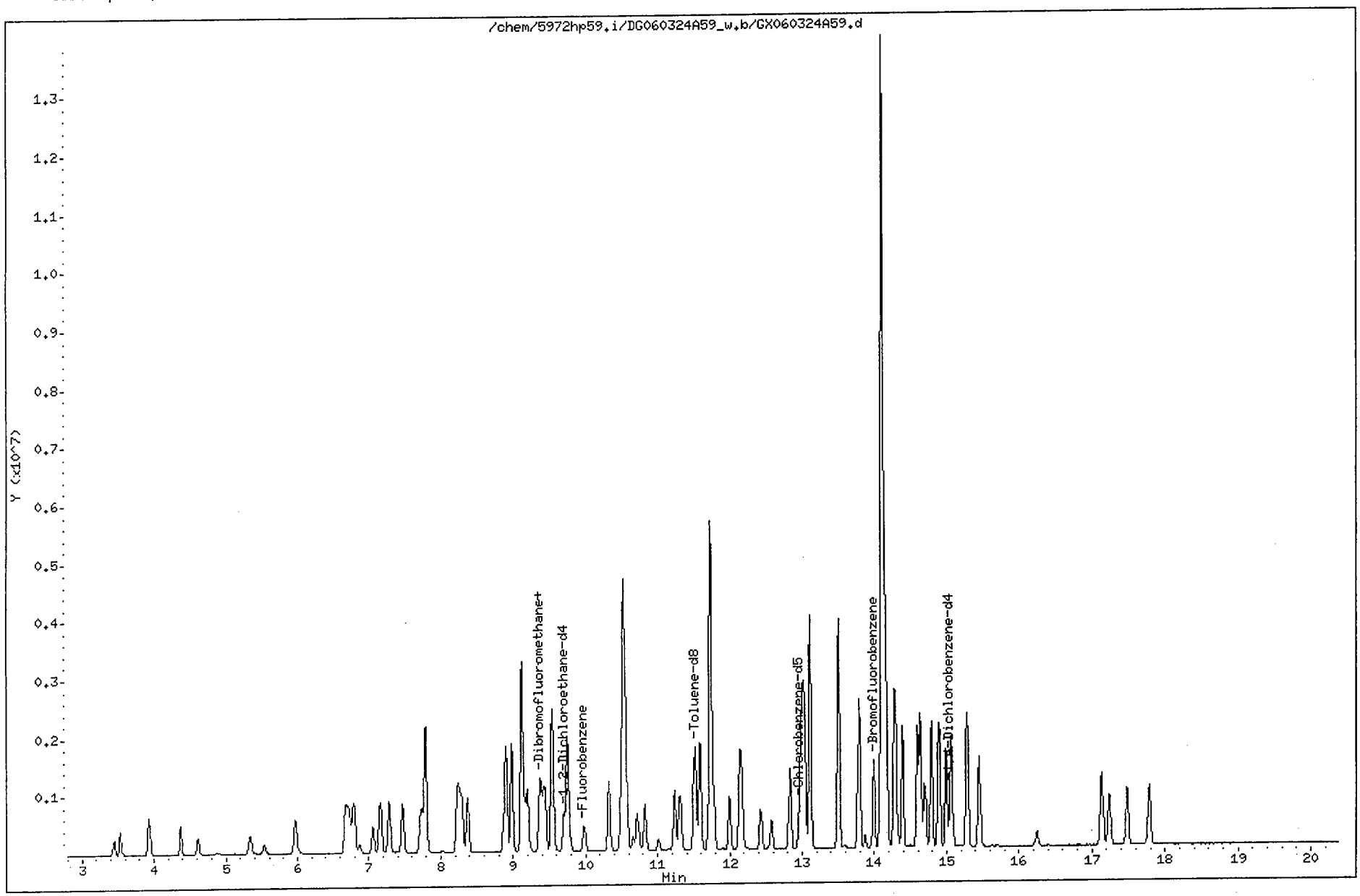
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16	1,1,1-trichloro-2,2,2-trifluo	117	6.709	6.709	(0.672)	111200	500.000	500
17	Acetone	43	6.876	6.876	(0.688)	142391	1250.00	1300
18	Iodomethane	142	7.063	7.063	(0.707)	383132	500.000	480
19	1,1,2-trichloro-1,2,2-trifluo	101	6.738	6.738	(0.675)	289880	500.000	500
20	Carbon disulfide	76	7.161	7.161	(0.717)	945384	500.000	500
21	3-Chloropropene	76	7.289	7.289	(0.730)	134775	500.000	470
22	Acetonitrile	41	7.289	7.289	(0.730)	351428	500.000	460
23	Methyl acetate	43	7.280	7.280	(0.729)	156607	500.000	500
24	Methylene Chloride	84	7.477	7.477	(0.749)	290019	500.000	490
25	Acrylonitrile	53	7.792	7.792	(0.780)	737575	5000.00	5000
26	trans-1,2-Dichloroethene	96	7.792	7.792	(0.780)	295805	500.000	490
27	trans-1,2-DCE (part of total)	96	7.792	7.792	(0.780)	295805	500.000	490
28	Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	665762	500.000	490
29	1,1-Dichloroethane	63	8.294	8.294	(0.830)	532044	500.000	500
30	Chloroprene	53	8.382	8.382	(0.839)	378933	500.000	480
31	Vinyl acetate	43	8.274	8.274	(0.828)	828695	500.000	500
32	Isopropyl ether	45	8.244	8.244	(0.826)	837030	500.000	500
33	cis-1,2-Dichloroethene	96	8.914	8.914	(0.893)	308568	500.000	490
34	cis-1,2-DCE (part of total)	96	8.914	8.914	(0.893)	308568	500.000	490
35	2,2-Dichloropropane	77	8.894	8.894	(0.891)	438035	500.000	500
36	Propionitrile	54	8.983	8.983	(0.899)	1320265	25000.0	25000
37	2-butanone	43	8.884	8.884	(0.890)	229156	1250.00	1200
38	Methacrylonitrile	41	9.121	9.121	(0.913)	1141744	5000.00	4800
39	Bromochloromethane	128	9.170	9.170	(0.918)	132071	500.000	490
40	Chloroform	83	9.209	9.209	(0.922)	521904	500.000	500
41	1,1,1-Trichloroethane	97	9.396	9.396	(0.941)	426053	500.000	490
42	Cyclohexane	56	9.436	9.436	(0.945)	367477	500.000	530
43	1,1-dichloropropene	75	9.534	9.534	(0.955)	375155	500.000	490
44	Carbon Tetrachloride	117	9.544	9.544	(0.956)	340259	500.000	500
45	1,2-Dichloroethane	62	9.770	9.770	(0.978)	368988	500.000	490
46	Isobutyl alcohol	43	9.544	9.544	(0.956)	393378	25000.0	24000
47	Benzene	78	9.751	9.751	(0.976)	1016135	500.000	480
48	Trichloroethene	130	10.332	10.332	(1.034)	265373	500.000	490
49	Methylcyclohexane	83	10.499	10.499	(1.051)	302328	500.000	530
50	1,2-Dichloropropane	63	10.568	10.568	(1.058)	270004	500.000	490
51	Dibromomethane	174	10.725	10.725	(1.074)	153970	500.000	490
52	1,4-dioxane	88	10.666	10.666	(1.068)	107934	25000.0	25000
53	Methylmethacrylate	69	10.538	10.538	(1.055)	1460633	5000.00	4900
54	Bromodichloromethane	83	10.824	10.824	(1.084)	368085	500.000	500
55	2-chloroethyl vinyl ether	63	11.011	11.011	(1.103)	60322	500.000	500
56	cis-1,3-Dichloropropene	75	11.237	11.237	(1.125)	447876	500.000	500
57	4-Methyl-2-pentanone	43	11.316	11.316	(0.873)	518882	1250.00	1300
58	Toluene	92	11.592	11.592	(0.894)	638367	500.000	500
59	trans-1,3-Dichloropropene	75	11.779	11.779	(0.909)	391095	500.000	500
60	1,1,2-Trichloroethane	97	11.995	11.995	(0.926)	212474	500.000	500
61	Ethylmethacrylate	69	11.730	11.730	(0.905)	2681028	5000.00	4900
62	1,3-Dichloropropane	76	12.173	12.173	(0.939)	362128	500.000	500

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.153	12.153	(0.938)	185906	500.000	520
64	2-hexanone	43	12.133	12.133	(0.936)	359412	1250.00	1300
65	Dibromochloromethane	129	12.429	12.429	(0.959)	249436	500.000	520
66	1,2-Dibromoethane	107	12.576	12.576	(0.970)	235742	500.000	500
67	Chlorobenzene	112	12.990	12.990	(1.002)	672494	500.000	500
69	1,1,1,2-Tetrachloroethane	131	13.039	13.039	(1.006)	234174	500.000	510
70	Ethylbenzene	106	13.019	13.019	(1.005)	338562	500.000	520
71	m,p-Xylene	106	13.118	13.118	(1.012)	840018	1000.00	1000
72	m,p-Xylene (part of total)	106	13.118	13.118	(1.012)	840018	1000.00	1000
73	o-Xylene	106	13.502	13.502	(1.042)	411408	500.000	520
74	o-Xylene (part of total)	106	13.502	13.502	(1.042)	411408	500.000	520
75	Styrene	104	13.511	13.511	(1.043)	735209	500.000	520
76	Bromoform	173	13.777	13.777	(1.063)	163412	500.000	510
78	Isopropyl Benzene	105	13.787	13.787	(1.064)	1000314	500.000	530
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	277780	500.000	490
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	71419	500.000	480
81	Bromobenzene	156	14.171	14.171	(1.093)	253029	500.000	490
82	trans-1,4-dichloro-2-butene	53	14.112	14.112	(1.089)	2688922	2000.00	1600
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	1797088	500.000	530
84	2-Chlorotoluene	126	14.299	14.299	(0.950)	234951	500.000	530
85	4-Chlorotoluene	126	14.388	14.388	(0.956)	244581	500.000	530
86	1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	839220	500.000	540
87	Pentachloroethane	167	14.693	14.693	(0.976)	126959	500.000	500
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	715619	500.000	530
89	1,2,4-Trimethyl Benzene	105	14.644	14.644	(0.973)	879857	500.000	540
90	sec-Butyl Benzene	105	14.791	14.791	(0.983)	1021234	500.000	530
91	1,3-Dichlorobenzene	146	14.998	14.998	(0.997)	474789	500.000	530
92	p-Isopropyl Toluene	119	14.890	14.890	(0.990)	790980	500.000	530
93	1,4-Dichlorobenzene	146	15.067	15.067	(1.001)	478593	500.000	520
94	1,2-Dichlorobenzene	146	15.451	15.451	(1.027)	430000	500.000	520
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.284	15.284	(1.016)	829051	500.000	500
96	1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	49171	500.000	540
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	291671	500.000	530
98	Hexachlorobutadiene	225	17.233	17.233	(1.145)	135533	500.000	490
99	Naphthalene	128	17.479	17.479	(1.162)	672817	500.000	540
100	1,2,3-Trichlorobenzene	180	17.784	17.784	(1.182)	263124	500.000	540
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				604373	1000.00	980
M 102	Xylene (total)	106				1251426	1500.00	1600

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Date : 24-MAR-2006 18:13
Client ID: VSTD200
Sample Info: VSTD200:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 24-MAR-2006 18:13
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD200:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:13 Cal File: GX060324A59.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.976	9.976	(1.000)	485257	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	329350	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	152463	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.939)	549241	1000.00	880
$ 5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.972)	580364	1000.00	880
$ 6 Toluene-d8	98	11.512	11.512	(0.888)	1765949	1000.00	890
$ 7 Bromofluorobenzene	95	13.983	13.983	(0.929)	744178	1000.00	920
8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	824960	1000.00	990
9 Chloromethane	50	4.365	4.365	(0.437)	607339	1000.00	1000(A)
10 Vinyl Chloride	62	4.611	4.611	(0.462)	414936	1000.00	970
11 Bromomethane	94	5.329	5.329	(0.534)	355410	1000.00	1000
12 Chloroethane	64	5.526	5.526	(0.554)	198988	1000.00	1000
13 Trichlorofluoromethane	101	5.969	5.969	(0.598)	868183	1000.00	980
14 Acrolein	56	6.668	6.668	(0.668)	629477	10000.0	9500
15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	472100	1000.00	930

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.698	6.698	(0.671)	218222	1000.00	1000(A)
17 Acetone	43	6.875	6.875	(0.689)	269912	2500.00	2500
18 Iodomethane	142	7.052	7.052	(0.707)	719122	1000.00	940
19 1,1,2-trichloro-1,2,2-trifluo	101	6.727	6.727	(0.674)	558763	1000.00	1000(A)
20 Carbon disulfide	76	7.161	7.161	(0.718)	1764817	1000.00	970
21 3-Chloropropene	76	7.289	7.289	(0.731)	278709	1000.00	1000(A)
22 Acetonitrile	41	7.279	7.279	(0.730)	735383	1000.00	1000(A)
23 Methyl acetate	43	7.269	7.269	(0.729)	283692	1000.00	940
24 Methylene Chloride	84	7.466	7.466	(0.748)	542054	1000.00	940
25 Acrylonitrile	53	7.781	7.781	(0.780)	1306069	10000.0	9200
26 trans-1,2-Dichloroethene	96	7.791	7.791	(0.781)	534568	1000.00	920
27 trans-1,2-DCE (part of total)	96	7.791	7.791	(0.781)	534568	1000.00	920
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.775)	1277565	1000.00	980
29 1,1-Dichloroethane	63	8.293	8.293	(0.831)	992561	1000.00	960
30 Chloroprene	53	8.372	8.372	(0.839)	788114	1000.00	1000(A)
31 Vinyl acetate	43	8.263	8.263	(0.828)	1571276	1000.00	990
32 Isopropyl ether	45	8.234	8.234	(0.825)	1630568	1000.00	1000
33 cis-1,2-Dichloroethene	96	8.903	8.903	(0.892)	569328	1000.00	930
34 cis-1,2-DCE (part of total)	96	8.903	8.903	(0.892)	569328	1000.00	930
35 2,2-Dichloropropane	77	8.893	8.893	(0.891)	797510	1000.00	940
36 Propionitrile	54	8.982	8.982	(0.900)	2419908	50000.0	47000
37 2-butanone	43	8.874	8.874	(0.889)	422639	2500.00	2400
38 Methacrylonitrile	41	9.120	9.120	(0.914)	2079872	10000.0	9100
39 Bromochloromethane	128	9.169	9.169	(0.919)	242623	1000.00	930
40 Chloroform	83	9.198	9.198	(0.922)	982171	1000.00	960
41 1,1,1-Trichloroethane	97	9.386	9.386	(0.941)	822967	1000.00	970
42 Cyclohexane	56	9.435	9.435	(0.946)	739556	1000.00	1100(A)
43 1,1-dichloropropene	75	9.523	9.523	(0.955)	700330	1000.00	940
44 Carbon Tetrachloride	117	9.543	9.543	(0.957)	650506	1000.00	980
45 1,2-Dichloroethane	62	9.770	9.770	(0.979)	712094	1000.00	980
46 Isobutyl alcohol	43	9.543	9.543	(0.957)	747024	50000.0	48000
47 Benzene	78	9.750	9.750	(0.977)	1945748	1000.00	950
48 Trichloroethene	130	10.331	10.331	(1.036)	512219	1000.00	970
49 Methylcyclohexane	83	10.498	10.498	(1.052)	652958	1000.00	1200(A)
50 1,2-Dichloropropane	63	10.567	10.567	(1.059)	509397	1000.00	950
51 Dibromomethane	174	10.724	10.724	(1.075)	295788	1000.00	960
52 1,4-dioxane	88	10.656	10.656	(1.068)	226578	50000.0	53000(A)
53 Methylmethacrylate	69	10.528	10.528	(1.055)	2622819	10000.0	9000
54 Bromodichloromethane	83	10.823	10.823	(1.085)	722433	1000.00	1000(A)
55 2-chloroethyl vinyl ether	63	11.010	11.010	(1.104)	117468	1000.00	1000(A)
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.126)	865993	1000.00	1000
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	990520	2500.00	2500(A)
58 Toluene	92	11.591	11.591	(0.894)	1238718	1000.00	970
59 trans-1,3-Dichloropropene	75	11.778	11.778	(0.909)	771997	1000.00	990
60 1,1,2-Trichloroethane	97	11.994	11.994	(0.926)	407955	1000.00	970
61 Ethylmethacrylate	69	11.729	11.729	(0.905)	4764191	10000.0	8600
62 1,3-Dichloropropane	76	12.172	12.172	(0.939)	701942	1000.00	960

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	363921	1000.00	1000(A)
64	2-hexanone	43	12.132	12.132	(0.936)	690532	2500.00	2500(A)
65	Dibromochloromethane	129	12.428	12.428	(0.959)	491219	1000.00	1000(A)
66	1,2-Dibromoethane	107	12.575	12.575	(0.970)	465287	1000.00	990
67	Chlorobenzene	112	12.989	12.989	(1.002)	1301109	1000.00	970
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	452497	1000.00	980
70	Ethylbenzene	106	13.018	13.018	(1.005)	643443	1000.00	990
71	m,p-Xylene	106	13.107	13.107	(1.011)	1573430	2000.00	2000
72	m,p-Xylene (part of total)	106	13.107	13.107	(1.011)	1573430	2000.00	2000
73	o-Xylene	106	13.491	13.491	(1.041)	776821	1000.00	980
74	o-Xylene (part of total)	106	13.491	13.491	(1.041)	776821	1000.00	980
75	Styrene	104	13.501	13.501	(1.042)	1397185	1000.00	990
76	Bromoform	173	13.776	13.776	(1.063)	330733	1000.00	1000(A)
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	2042453	1000.00	1100(A)
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	513014	1000.00	920
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	129491	1000.00	870
81	Bromobenzene	156	14.170	14.170	(1.093)	482595	1000.00	940
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	4386038	4000.00	2500(A)
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	3103820	1000.00	990
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	455888	1000.00	1000(A)
85	4-Chlorotoluene	126	14.387	14.387	(0.956)	487543	1000.00	1100(A)
86	1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	1684626	1000.00	1100(A)
87	Pentachloroethane	167	14.702	14.702	(0.977)	269717	1000.00	1100(A)
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	1506519	1000.00	1100(A)
89	1,2,4-Trimethyl Benzene	105	14.633	14.633	(0.973)	1769817	1000.00	1100(A)
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	2236580	1000.00	1200(A)
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	953616	1000.00	1100(A)
92	p-Isopropyl Toluene	119	14.889	14.889	(0.990)	1703162	1000.00	1200(A)
93	1,4-Dichlorobenzene	146	15.066	15.066	(1.001)	951893	1000.00	1100(A)
94	1,2-Dichlorobenzene	146	15.450	15.450	(1.027)	862975	1000.00	1100(A)
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	1826933	1000.00	1000(A)
96	1,2-Dibromo-3-Chloropropane	157	16.247	16.247	(1.080)	102389	1000.00	1100(A)
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	627692	1000.00	1200(A)
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	309368	1000.00	1000(A)
99	Naphthalene	128	17.478	17.478	(1.162)	1330154	1000.00	1100(A)
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	563018	1000.00	1200(A)
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				1103896	2000.00	1800
M 102	Xylene (total)	106				2350251	3000.00	2900

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

405

COMPUCHEM a division of Liberty Analytical Corp DATE 3/24/06 INITIAL TIME OF TUNE 1529 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0329 LINKER /METHOD 8260B SW

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE retuned after 1st BFB

	FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL*	DF+	CHEMIST	COMMENTS (ETC.) DISPOSITION
1	BG060324A59	SP	—	—	3/24/06	1444	BFB	—	2uL	—	2473	176/low
2	BG060324A59	\	—	—	/ /	1529	BFB	—	↓	—		
3	GS060324A59	/	—	—	/ /	1553	VSTD005	—	10ml	—		
4	GT060324A59	/	—	—	/ /	1621	VSTD010	—		—		
5	GU060324A59	/	—	—	/ /	1649	VSTD020	—		—		ICAL
6	GV060324A59	/	—	—	/ /	1717	VSTD050	—		—		Passes
7	GW060324A59	IM	—	—	/ /	1745	VSTD100	—		—		
8	GX060324A59	/	—	—	/ /	1813	VSTD200	—		—		
9	GY060324A59	/	—	—	/ /	1840	VSTD100	—		—		
10	GC060324A59				/ /		VIBLKAC	—		—	↓	
11					/ /							
12					/ /							
13					/ /							
14					/ /							
15					/ /							
16					/ /							
17					/ /							
18					/ /						dw	
19					/ /						3-24-06	
20					/ /							
21					/ /							
22					/ /							
23					/ /							
24					/ /							

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL dw Date 3-24-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

b. Continuing Calibration Data (Form VII VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Reconstructed Ion Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

Data File: /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Report Date: 27-Mar-2006 03:46

CompuChem

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 5972hp59.i Injection Date: 24-MAR-2006 22:27
Lab File ID: GT060324B59.d Init. Cal. Date(s): 13-MAR-2006 24-MAR-2006
Analysis Type: WATER Init. Cal. Times: 14:31 18:40
Lab Sample ID: VSTD050 Quant Type: ISTD
Method: /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.32282	0.28616	0.28616	0.001	11.4	25.0	Averaged
$ 5 1,2-Dichloroethane-d4	0.33823	0.29846	0.29846	0.001	11.8	25.0	Averaged
$ 6 Toluene-d8	1.49870	1.33873	1.33873	0.001	10.7	25.0	Averaged
$ 7 Bromofluorobenzene	1.32001	1.16730	1.16730	0.001	11.6	25.0	Averaged
8 Dichlorodifluoromethane	0.42757	0.47422	0.47422	0.001	-10.9	25.0	Averaged
9 Chloromethane	0.30691	0.32623	0.32623	0.100	-6.3	25.0	Averaged
10 Vinyl Chloride	0.22038	0.22934	0.22934	0.001	-4.1	20.0	Averaged
11 Bromomethane	227	250	0.18453	0.001	9.1	25.0	Quadratic
12 Chloroethane	274	250	0.12529	0.001	-9.7	25.0	Quadratic
13 Trichlorofluoromethane	0.45721	0.47285	0.47285	0.001	-3.4	25.0	Averaged
14 Acrolein	0.03426	0.03538	0.03538	0.001	-3.3	25.0	Averaged
15 1,1-Dichloroethene	0.26234	0.26273	0.26273	0.001	-0.2	20.0	Averaged
16 1,1,1-trichloro-2,2,2-trifl	0.11040	0.13680	0.13680	0.001	-23.9	25.0	Averaged
17 Acetone	690	625	0.06355	0.001	-10.4	25.0	Quadratic
18 Iodomethane	0.39479	0.41306	0.41306	0.001	-4.6	25.0	Averaged
19 1,1,2-trichloro-1,2,2-trifl	0.28756	0.34845	0.34845	0.001	-21.2	25.0	Averaged
20 Carbon disulfide	0.93996	0.95838	0.95838	0.001	-2.0	25.0	Averaged
21 3-Chloropropene	0.14339	0.16215	0.16215	0.001	-13.1	25.0	Averaged
22 Acetonitrile	0.37791	0.42534	0.42534	0.001	-12.6	25.0	Averaged
23 Methyl acetate	0.15515	0.17624	0.17624	0.001	-13.6	25.0	Averaged
24 Methylene Chloride	0.29725	0.29210	0.29210	0.001	1.7	25.0	Averaged
25 Acrylonitrile	0.07328	0.07947	0.07947	0.001	-8.4	25.0	Averaged
26 trans-1,2-Dichloroethene	0.29911	0.28864	0.28864	0.001	3.5	25.0	Averaged
27 trans-1,2-DCE (part of tota	0.29911	0.28864	0.28864	0.001	3.5	25.0	Averaged
28 Methyl-tert-butyl ether	0.67314	0.69240	0.69240	0.001	-2.9	25.0	Averaged
29 1,1-Dichloroethane	0.53189	0.53021	0.53021	0.100	0.3	25.0	Averaged
30 Chloroprene	0.39139	0.41633	0.41633	0.001	-6.4	25.0	Averaged
31 Vinyl acetate	0.82030	0.85067	0.85067	0.001	-3.7	25.0	Averaged
32 Isopropyl ether	0.84038	0.86343	0.86343	0.001	-2.7	25.0	Averaged
33 cis-1,2-Dichloroethene	0.31613	0.29887	0.29887	0.001	5.5	25.0	Averaged
34 cis-1,2-DCE (part of total)	0.31613	0.29887	0.29887	0.001	5.5	25.0	Averaged
35 2,2-Dichloropropane	0.43509	0.44913	0.44913	0.001	-3.2	25.0	Averaged
36 Propionitrile	0.02662	0.03138	0.03138	0.001	-17.9	25.0	Averaged
37 2-butanone	0.09243	0.09856	0.09856	0.001	-6.6	25.0	Averaged
38 Methacrylonitrile	0.11766	0.13477	0.13477	0.001	-14.5	25.0	Averaged

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/24/06 Time: 2227

Lab File ID: GT060324B59 Init. Calib. Date(s): 03/13/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.4275700	0.4742157	0.4742157	0.001	10.91	25.00	AVRG
Chloromethane	0.3069100	0.3262258	0.3262258	0.1	6.29	25.00	AVRG
Vinyl Chloride	0.2203800	0.2293387	0.2293387	0.001	4.06	20.00	AVRG
Bromomethane	227.18232	250.00000	0.1845255	0.001	-9.13	25.00	2RDR
Chloroethane	274.23349	250.00000	0.1252881	0.001	9.69	25.00	2RDR
Trichlorofluoromethane	0.4572100	0.4728468	0.4728468	0.001	3.42	25.00	AVRG
1,1-Dichloroethene	0.2623400	0.2627348	0.2627348	0.001	0.15	20.00	AVRG
Carbon disulfide	0.9399600	0.9583823	0.9583823	0.001	1.96	25.00	AVRG
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3484512	0.3484512	0.001	21.18	25.00	AVRG
Acetone	690.28449	625.00000	0.0635482	0.001	10.44	25.00	2RDR
Methylene Chloride	0.2972500	0.2921008	0.2921008	0.001	-1.73	25.00	AVRG
trans-1,2-Dichloroethene	0.2991000	0.2886361	0.2886361	0.001	-3.50	25.00	AVRG
Methyl-tert-butyl ether	0.6731400	0.6923961	0.6923961	0.001	2.86	25.00	AVRG
1,1-Dichloroethane	0.5318900	0.5302079	0.5302079	0.1	-0.32	25.00	AVRG
cis-1,2-Dichloroethene	0.3161300	0.2988749	0.2988749	0.001	-5.46	25.00	AVRG
2-butanone	0.0924300	0.0985621	0.0985621	0.001	6.63	25.00	AVRG
Chloroform	0.5259900	0.5186043	0.5186043	0.001	-1.40	20.00	AVRG
1,1,1-Trichloroethane	0.4363600	0.4396309	0.4396309	0.001	0.75	25.00	AVRG
Carbon Tetrachloride	0.3421000	0.3590483	0.3590483	0.001	4.95	25.00	AVRG
Benzene	1.0496800	1.0281607	1.0281607	0.001	-2.05	25.00	AVRG
1,2-Dichloroethane	0.3744300	0.3725902	0.3725902	0.001	-0.49	25.00	AVRG
Trichloroethene	0.2715900	0.2634534	0.2634534	0.001	-3.00	25.00	AVRG
1,2-Dichloropropane	0.2754500	0.2727871	0.2727871	0.001	-0.97	20.00	AVRG
Bromodichloromethane	0.3712300	0.3612932	0.3612932	0.001	-2.68	25.00	AVRG
cis-1,3-Dichloropropene	0.4471900	0.4451976	0.4451976	0.001	-0.44	25.00	AVRG
4-Methyl-2-pentanone	0.2958300	0.3226053	0.3226053	0.001	9.05	25.00	AVRG
Toluene	0.9698300	0.9876802	0.9876802	0.001	1.84	20.00	AVRG
trans-1,3-Dichloropropene	0.5916500	0.6120615	0.6120615	0.001	3.45	25.00	AVRG
1,1,2-Trichloroethane	0.3195200	0.3250104	0.3250104	0.001	1.72	25.00	AVRG
Tetrachloroethene	0.2714000	0.3108425	0.3108425	0.001	14.53	25.00	AVRG
2-hexanone	0.2080000	0.2270776	0.2270776	0.001	9.17	25.00	AVRG
Dibromochloromethane	0.3656700	0.3634065	0.3634065	0.001	-0.62	25.00	AVRG
1,2-Dibromoethane	0.3581000	0.3686249	0.3686249	0.001	2.94	25.00	AVRG
Chlorobenzene	1.0222400	1.0523424	1.0523424	0.3	2.94	25.00	AVRG
Ethylbenzene	0.4911400	0.5523393	0.5523393	0.001	12.46	20.00	AVRG
Styrene	1.0685100	1.1463215	1.1463215	0.001	7.28	25.00	AVRG
Bromoform	0.2408400	0.2499525	0.2499525	0.1	3.78	25.00	AVRG
Isopropyl Benzene	1.4270900	1.7640698	1.7640698	0.001	23.61	25.00	AVRG
1,1,2,2-Tetrachloroethane	0.9152100	0.9759369	0.9759369	0.3	6.64	25.00	AVRG
1,3-Dichlorobenzene	1.4411300	1.6405556	1.6405556	0.001	13.84	25.00	AVRG
1,4-Dichlorobenzene	1.4729500	1.6646457	1.6646457	0.001	13.01	25.00	AVRG
1,2-Dichlorobenzene	1.3266200	1.4807569	1.4807569	0.001	11.62	25.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/24/06 Time: 2227

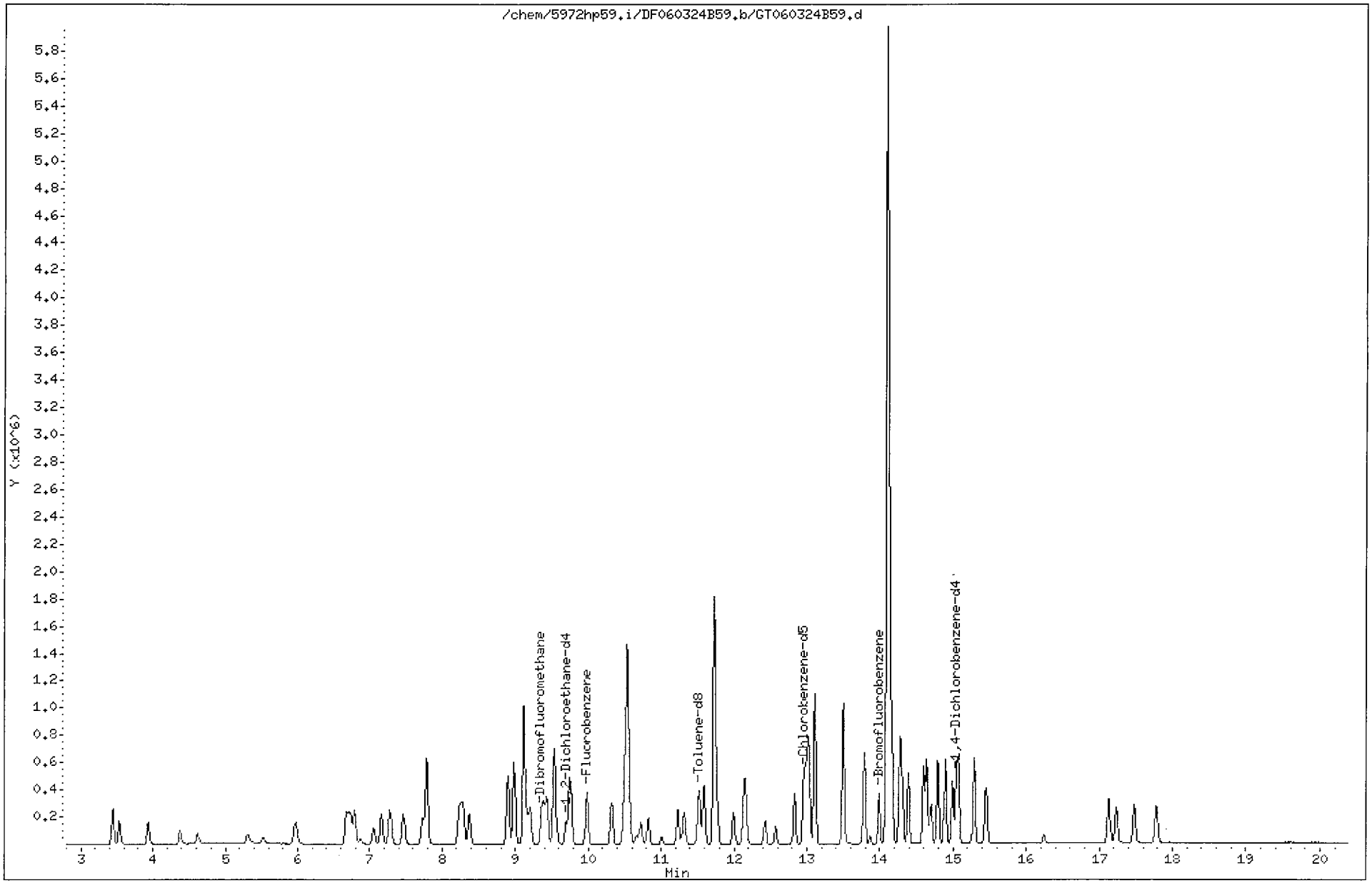
Lab File ID: GT060324B59 Init. Calib. Date(s): 03/13/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1642314	0.1642314	0.001	11.51	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	1.0962659	1.0962659	0.001	24.26	25.00	AVRG	
Xylene (total)	0.6076200	0.6837597	0.6837597	0.001	12.53	25.00	AVRG	
Methyl acetate	0.1551500	0.1762396	0.1762396	0.001	13.59	25.00	AVRG	
Cyclohexane	0.3443300	0.4751973	0.4751973	0.001	38.01	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4361972	0.4361972	0.001	51.80	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2861592	0.2861592	0.001	-11.36	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.2984648	0.2984648	0.001	-11.76	25.00	AVRG	
Toluene-d8	1.4987000	1.3387290	1.3387290	0.001	-10.67	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.1672965	1.1672965	0.001	-11.57	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Date : 24-MAR-2006 22:27
Client ID: VSTD050 Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Report Date: 27-Mar-2006 03:46

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 24-MAR-2006 22:27
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.980	9.980	(1.000)	482871	250.000	
* 2 Chlorobenzene-d5	117	12.963	12.963	(1.000)	315996	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.040	15.040	(1.000)	148443	250.000	
$ 4 Dibromofluoromethane	113	9.360	9.360	(0.938)	138178	250.000	220
$ 5 1,2-Dichloroethane-d4	65	9.694	9.694	(0.971)	144120	250.000	220
$ 6 Toluene-d8	98	11.516	11.516	(0.888)	423033	250.000	220
$ 7 Bromofluorobenzene	95	13.987	13.987	(0.930)	173277	250.000	220
8 Dichlorodifluoromethane	85	3.935	3.935	(0.394)	228985	250.000	280
9 Chloromethane	50	4.368	4.368	(0.438)	157525	250.000	270
10 Vinyl Chloride	62	4.614	4.614	(0.462)	110741	250.000	260
11 Bromomethane	94	5.313	5.313	(0.532)	89102	250.000	230
12 Chloroethane	64	5.530	5.530	(0.554)	60498	250.000	270
13 Trichlorofluoromethane	101	5.973	5.973	(0.598)	228324	250.000	260
14 Acrolein	56	6.672	6.672	(0.669)	170851	2500.00	2600
15 1,1-Dichloroethene	96	6.790	6.790	(0.680)	126867	250.000	250
16 1,1,1-trichloro-2,2,2-trifluo	117	6.702	6.702	(0.672)	66056	250.000	310

Data File: /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Report Date: 27-Mar-2006 03:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.879	6.879	(0.689)	76714	625.000	690
18 Iodomethane	142	7.056	7.056	(0.707)	199456	250.000	260
19 1,1,2-trichloro-1,2,2-trifluo	101	6.731	6.731	(0.674)	168257	250.000	300
20 Carbon disulfide	76	7.154	7.154	(0.717)	462775	250.000	250
21 3-Chloropropene	76	7.282	7.282	(0.730)	78296	250.000	280
22 Acetonitrile	41	7.282	7.282	(0.730)	205383	250.000	280
23 Methyl acetate	43	7.273	7.273	(0.729)	85101	250.000	280
24 Methylene Chloride	84	7.470	7.470	(0.748)	141047	250.000	250
25 Acrylonitrile	53	7.785	7.785	(0.780)	383724	2500.00	2700
26 trans-1,2-Dichloroethene	96	7.794	7.794	(0.781)	139374	250.000	240
27 trans-1,2-DCE (part of total)	96	7.794	7.794	(0.781)	139374	250.000	240
28 Methyl-tert-butyl ether	73	7.735	7.735	(0.775)	334338	250.000	260
29 1,1-Dichloroethane	63	8.296	8.296	(0.831)	256022	250.000	250
30 Chloroprene	53	8.375	8.375	(0.839)	201035	250.000	270
31 Vinyl acetate	43	8.267	8.267	(0.828)	410763	250.000	260
32 Isopropyl ether	45	8.237	8.237	(0.825)	416923	250.000	260
33 cis-1,2-Dichloroethene	96	8.907	8.907	(0.892)	144318	250.000	240
34 cis-1,2-DCE (part of total)	96	8.907	8.907	(0.892)	144318	250.000	240
35 2,2-Dichloropropane	77	8.897	8.897	(0.891)	216872	250.000	260
36 Propionitrile	54	8.986	8.986	(0.900)	757572	12500.0	15000
37 2-butanone	43	8.887	8.887	(0.890)	118982	625.000	670
38 Methacrylonitrile	41	9.114	9.114	(0.913)	650784	2500.00	2900
39 Bromochloromethane	128	9.163	9.163	(0.918)	64198	250.000	250
40 Chloroform	83	9.202	9.202	(0.922)	250419	250.000	250
41 1,1,1-Trichloroethane	97	9.389	9.389	(0.941)	212285	250.000	250
42 Cyclohexane	56	9.429	9.429	(0.945)	229459	250.000	350
43 1,1-dichloropropene	75	9.527	9.527	(0.955)	192994	250.000	260
44 Carbon Tetrachloride	117	9.547	9.547	(0.957)	173374	250.000	260
45 1,2-Dichloroethane	62	9.773	9.773	(0.979)	179913	250.000	250
46 Isobutyl alcohol	43	9.547	9.547	(0.957)	240684	12500.0	16000
47 Benzene	78	9.744	9.744	(0.976)	496469	250.000	240
48 Trichloroethene	130	10.325	10.325	(1.035)	127214	250.000	240
49 Methylcyclohexane	83	10.502	10.502	(1.052)	210627	250.000	380
50 1,2-Dichloropropane	63	10.571	10.571	(1.059)	131721	250.000	250
51 Dibromomethane	174	10.718	10.718	(1.074)	74743	250.000	240
52 1,4-dioxane	88	10.659	10.659	(1.068)	62325	12500.0	15000
53 Methylmethacrylate	69	10.531	10.531	(1.055)	827550	2500.00	2900
54 Bromodichloromethane	83	10.827	10.827	(1.085)	174458	250.000	240
55 2-chloroethyl vinyl ether	63	11.014	11.014	(1.104)	31019	250.000	270
56 cis-1,3-Dichloropropene	75	11.240	11.240	(1.126)	214973	250.000	250
57 4-Methyl-2-pentanone	43	11.309	11.309	(0.872)	254855	625.000	680
58 Toluene	92	11.595	11.595	(0.894)	312103	250.000	250
59 trans-1,3-Dichloropropene	75	11.782	11.782	(0.909)	193409	250.000	260
60 1,1,2-Trichloroethane	97	11.998	11.998	(0.926)	102702	250.000	250
61 Ethylmethacrylate	69	11.732	11.732	(0.905)	1516384	2500.00	2900
62 1,3-Dichloropropane	76	12.175	12.175	(0.939)	179588	250.000	260
63 Tetrachloroethene	164	12.146	12.146	(0.937)	98225	250.000	290

Data File: /chem/5972hp59.i/DF060324B59.b/GT060324B59.d
Report Date: 27-Mar-2006 03:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
64	2-hexanone	43	12.126	12.126	(0.935)	179389	625.000	680
65	Dibromochloromethane	129	12.431	12.431	(0.959)	114835	250.000	250
66	1,2-Dibromoethane	107	12.579	12.579	(0.970)	116484	250.000	260
67	Chlorobenzene	112	12.993	12.993	(1.002)	332536	250.000	260
69	1,1,1,2-Tetrachloroethane	131	13.032	13.032	(1.005)	113817	250.000	260
70	Ethylbenzene	106	13.022	13.022	(1.005)	174537	250.000	280
71	m,p-Xylene	106	13.111	13.111	(1.011)	437421	500.000	570
72	m,p-Xylene (part of total)	106	13.111	13.111	(1.011)	437421	500.000	570
73	o-Xylene	106	13.495	13.495	(1.041)	210775	250.000	280
74	o-Xylene (part of total)	106	13.495	13.495	(1.041)	210775	250.000	280
75	Styrene	104	13.504	13.504	(1.042)	362233	250.000	270
76	Bromoform	173	13.770	13.770	(1.062)	78984	250.000	260
78	Isopropyl Benzene	105	13.790	13.790	(1.064)	557439	250.000	310
79	1,1,2,2-Tetrachloroethane	83	14.075	14.075	(0.936)	144871	250.000	270
80	1,2,3-Trichloropropane	110	14.154	14.154	(1.092)	38298	250.000	270
81	Bromobenzene	156	14.174	14.174	(1.093)	126494	250.000	260
82	trans-1,4-dichloro-2-butene	53	14.105	14.105	(1.088)	1733868	1000.00	1000
83	n-Propyl Benzene	91	14.144	14.144	(0.940)	763484	250.000	240
84	2-Chlorotoluene	126	14.302	14.302	(0.951)	122426	250.000	290
85	4-Chlorotoluene	126	14.391	14.391	(0.957)	127950	250.000	290
86	1,3,5-Trimethyl Benzene	105	14.272	14.272	(0.949)	464157	250.000	310
87	Pentachloroethane	167	14.696	14.696	(0.977)	66791	250.000	280
88	tert-Butyl Benzene	119	14.597	14.597	(0.971)	418989	250.000	330
89	1,2,4-Trimethyl Benzene	105	14.637	14.637	(0.973)	475255	250.000	310
90	sec-Butyl Benzene	105	14.784	14.784	(0.983)	629435	250.000	340
91	1,3-Dichlorobenzene	146	14.991	14.991	(0.997)	243529	250.000	280
92	p-Isopropyl Toluene	119	14.893	14.893	(0.990)	478783	250.000	340
93	1,4-Dichlorobenzene	146	15.070	15.070	(1.002)	247105	250.000	280
94	1,2-Dichlorobenzene	146	15.454	15.454	(1.027)	219808	250.000	280
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.286	15.286	(1.016)	508330	250.000	330
96	1,2-Dibromo-3-Chloropropane	157	16.241	16.241	(1.080)	24379	250.000	280
97	1,2,4-Trichlorobenzene	180	17.137	17.137	(1.139)	162733	250.000	310
98	Hexachlorobutadiene	225	17.236	17.236	(1.146)	87245	250.000	350
99	Naphthalene	128	17.482	17.482	(1.162)	352260	250.000	300
100	1,2,3-Trichlorobenzene	180	17.777	17.777	(1.182)	144922	250.000	310
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				283692	500.000	480
M 102	Xylene (total)	106				648196	750.000	840

COMPUCHEM a division of Liberty Analytical Corp DATE 3/24/06 INITIAL TIME OF TUNE 7111 SHIFT/S(A)____(B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 1111 LINKER /METHOD W826013

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE

	REINJECTED	FILE NAME	REINJECTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BFB6B24B59	/	—	~	3/24/06	7111	BFB	—	2ml	—	248	LCD-SVO
2	/	GSD6B24B59	+	—	—	/ /	7125	VSTD050	—	10ml	—		
3		GT06B24B59	/	—	—	/ /	7227	VSTD050	—	10ml	—		
4		97515B59	/	—	—	/ /	7301	VBLKLG	VOA MS	5ml	1		
5		97518B59	/	—	—	/ /	2338	VLGLCS	1	1	1		
6		9411601	/	1	1	3/25/06	0116	ASCLV+	94116	5ml			
7		9411602	/			/ /	044	DUP01-27					
8		03	/			/ /	113	MW42-27					
9		04	/			/ /	141	MW43-27					
10		05	/			/ /	210	MW44-27					
11		06	/			/ /	239	MW45-27					
12		07	/			/ /	301	TB02-27					
13		08	/			/ /	336	MW19-27					
14	/	09	R			/ /	405	MW06-27					ΦD 2739ng
15		10	/			/ /	433	MW17-27					
16		11	/			/ /	502	MW12-27					
17		12	/			/ /	530	EB01-27					
18		13	/			/ /	559	MW28-27					
19		14	/			/ /	628	DUP02-27					
20		15	/			/ /	656	MW15-27					
21	/	16	R			/ /	725	MW56-27					ΦD 1611ng
22		17	/			/ /	753	TB03-27					
23		18	/			/ /	822	LA15-27					
24		19	/			/ /	851	DUP03-27					

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL_____ Date 3-25-06

Tune (ID #7008) Lot No. 640603

Calibration Group Code / Lot No. DC

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/25/06 Time: 2050

Lab File ID: GT060325B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.4275700	0.4195080	0.4195080	0.001	-1.88	25.00	AVRG	
Chloromethane	0.3069100	0.3053579	0.3053579	0.1	-0.50	25.00	AVRG	
Vinyl Chloride	0.2203800	0.2231053	0.2231053	0.001	1.24	20.00	AVRG	
Bromomethane	223.10873	250.00000	0.1814219	0.001	-10.76	25.00	2RDR	
Chloroethane	232.82514	250.00000	0.1074756	0.001	-6.87	25.00	2RDR	
Trichlorofluoromethane	0.4572100	0.4710124	0.4710124	0.001	3.02	25.00	AVRG	
1,1-Dichloroethene	0.2623400	0.2507655	0.2507655	0.001	-4.41	20.00	AVRG	
Carbon disulfide	0.9399600	0.9488327	0.9488327	0.001	0.94	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.2718425	0.2718425	0.001	-5.46	25.00	AVRG	
Acetone	808.02121	625.00000	0.0738714	0.001	29.28	25.00	2RDR	<-
Methylene Chloride	0.2972500	0.3003924	0.3003924	0.001	1.06	25.00	AVRG	
trans-1,2-Dichloroethene	0.2991000	0.2810689	0.2810689	0.001	-6.03	25.00	AVRG	
Methyl-tert-butyl ether	0.6731400	0.7280334	0.7280334	0.001	8.15	25.00	AVRG	
1,1-Dichloroethane	0.5318900	0.5447526	0.5447526	0.1	2.42	25.00	AVRG	
cis-1,2-Dichloroethene	0.3161300	0.3033937	0.3033937	0.001	-4.03	25.00	AVRG	
2-butanone	0.0924300	0.1019038	0.1019038	0.001	10.25	25.00	AVRG	
Chloroform	0.5259900	0.5439684	0.5439684	0.001	3.42	20.00	AVRG	
1,1,1-Trichloroethane	0.4363600	0.4517638	0.4517638	0.001	3.53	25.00	AVRG	
Carbon Tetrachloride	0.3421000	0.3617060	0.3617060	0.001	5.73	25.00	AVRG	
Benzene	1.0496800	1.0345431	1.0345431	0.001	-1.44	25.00	AVRG	
1,2-Dichloroethane	0.3744300	0.4152776	0.4152776	0.001	10.91	25.00	AVRG	
Trichloroethene	0.2715900	0.2505291	0.2505291	0.001	-7.75	25.00	AVRG	
1,2-Dichloropropane	0.2754500	0.2859548	0.2859548	0.001	3.81	20.00	AVRG	
Bromodichloromethane	0.3712300	0.3840636	0.3840636	0.001	3.46	25.00	AVRG	
cis-1,3-Dichloropropene	0.4471900	0.4249838	0.4249838	0.001	-4.96	25.00	AVRG	
4-Methyl-2-pentanone	0.2958300	0.3271727	0.3271727	0.001	10.59	25.00	AVRG	
Toluene	0.9698300	0.9782054	0.9782054	0.001	0.86	20.00	AVRG	
trans-1,3-Dichloropropene	0.5916500	0.5977951	0.5977951	0.001	1.04	25.00	AVRG	
1,1,2-Trichloroethane	0.3195200	0.3324338	0.3324338	0.001	4.04	25.00	AVRG	
Tetrachloroethene	0.2714000	0.2736906	0.2736906	0.001	0.84	25.00	AVRG	
2-hexanone	0.2080000	0.2361622	0.2361622	0.001	13.54	25.00	AVRG	
Dibromochloromethane	0.3656700	0.3729994	0.3729994	0.001	2.00	25.00	AVRG	
1,2-Dibromoethane	0.3581000	0.3736882	0.3736882	0.001	4.35	25.00	AVRG	
Chlorobenzene	1.0222400	1.0525085	1.0525085	0.3	2.96	25.00	AVRG	
Ethylbenzene	0.4911400	0.5196452	0.5196452	0.001	5.80	20.00	AVRG	
Styrene	1.0685100	1.1263842	1.1263842	0.001	5.42	25.00	AVRG	
Bromoform	0.2408400	0.2486886	0.2486886	0.1	3.26	25.00	AVRG	
Isopropyl Benzene	1.4270900	1.6762452	1.6762452	0.001	17.46	25.00	AVRG	
1,1,2,2-Tetrachloroethane	0.9152100	0.9965878	0.9965878	0.3	8.89	25.00	AVRG	
1,3-Dichlorobenzene	1.4411300	1.5313955	1.5313955	0.001	6.26	25.00	AVRG	
1,4-Dichlorobenzene	1.4729500	1.5645234	1.5645234	0.001	6.22	25.00	AVRG	
1,2-Dichlorobenzene	1.3266200	1.4837750	1.4837750	0.001	11.85	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/25/06 Time: 2050

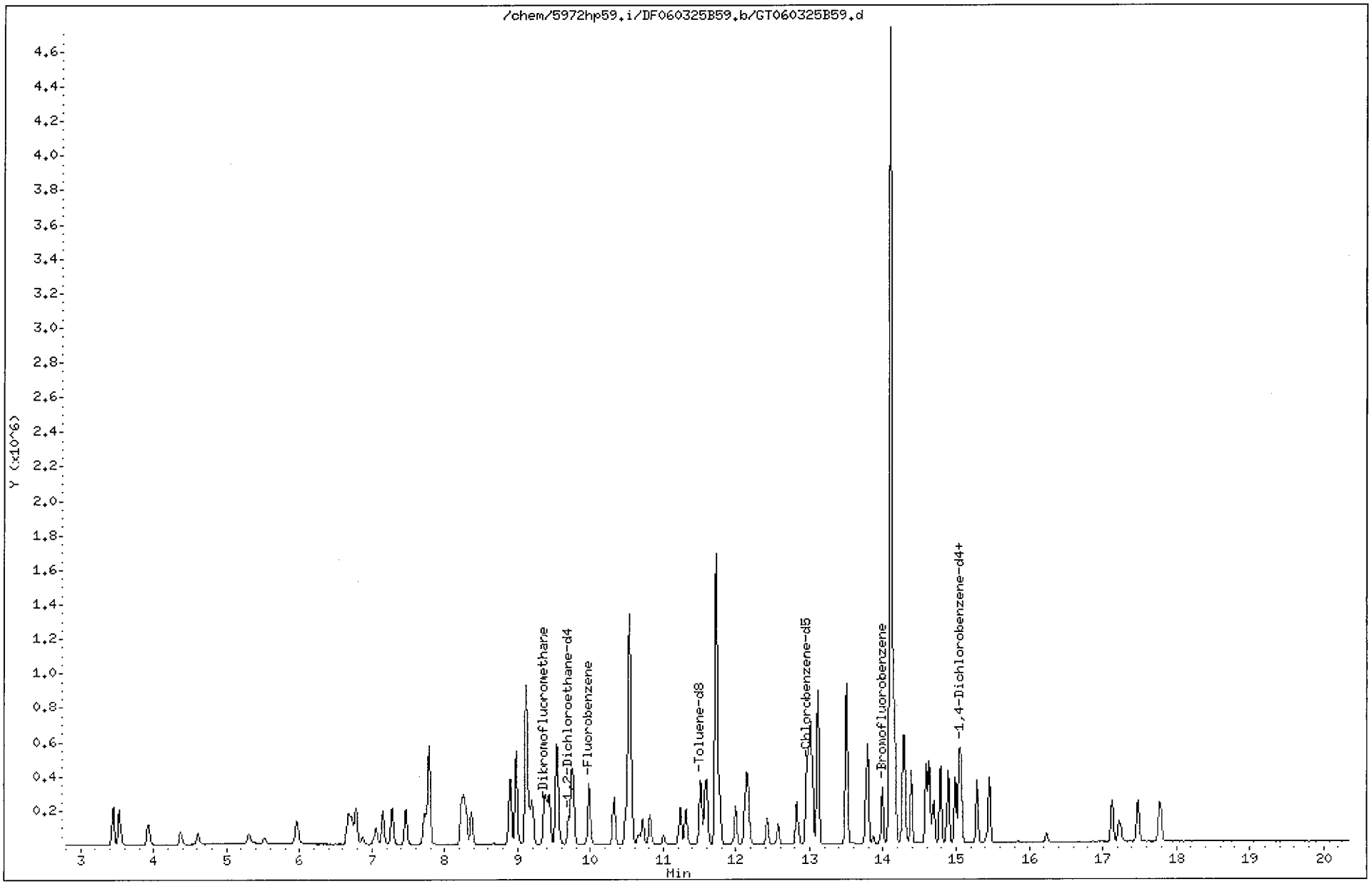
Lab File ID: GT060325B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1615948	0.1615948	0.001	9.72	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	0.8963678	0.8963678	0.001	1.60	25.00	AVRG	
Xylene (total)	0.6076200	0.6383807	0.6383807	0.001	5.06	25.00	AVRG	
Methyl acetate	0.1551500	0.1804035	0.1804035	0.001	16.28	25.00	AVRG	
Cyclohexane	0.3443300	0.4475990	0.4475990	0.001	29.99	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.3214928	0.3214928	0.001	11.88	25.00	AVRG	
Dibromofluoromethane	0.3228200	0.2875467	0.2875467	0.001	-10.93	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3174099	0.3174099	0.001	-6.16	25.00	AVRG	
Toluene-d8	1.4987000	1.4005871	1.4005871	0.001	-6.55	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.2071664	1.2071664	0.001	-8.55	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Date : 25-MAR-2006 20:50
Client ID: VSTD050
Instrument: 5972hp59.i
Sample Info: VSTD050:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 25-MAR-2006 20:50
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.976	9.976	(1.000)	427148	250.000	
*	2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	283097	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	132758	250.000	
$	4 Dibromofluoromethane	113	9.356	9.356	(0.938)	122825	250.000	220
$	5 1,2-Dichloroethane-d4	65	9.690	9.690	(0.971)	135581	250.000	230
$	6 Toluene-d8	98	11.512	11.512	(0.888)	396502	250.000	230
$	7 Bromofluorobenzene	95	13.983	13.983	(0.929)	160261	250.000	230
	8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	179192	250.000	250
	9 Chloromethane	50	4.374	4.374	(0.438)	130433	250.000	250
	10 Vinyl Chloride	62	4.610	4.610	(0.462)	95299	250.000	250
	11 Bromomethane	94	5.309	5.309	(0.532)	77494	250.000	220
	12 Chloroethane	64	5.516	5.516	(0.553)	45908	250.000	230
	13 Trichlorofluoromethane	101	5.959	5.959	(0.597)	201192	250.000	260
	14 Acrolein	56	6.668	6.668	(0.668)	141134	2500.00	2400
	15 1,1-Dichloroethene	96	6.786	6.786	(0.680)	107114	250.000	240
	16 1,1,1-trichloro-2,2,2-trifluo	117	6.688	6.688	(0.670)	44492	250.000	240

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.875	6.875	(0.689)	78885	625.000	810
18 Iodomethane	142	7.052	7.052	(0.707)	166387	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.717	6.717	(0.673)	116117	250.000	240
20 Carbon disulfide	76	7.150	7.150	(0.717)	405292	250.000	250
21 3-Chloropropene	76	7.278	7.278	(0.730)	62682	250.000	260
22 Acetonitrile	41	7.278	7.278	(0.730)	175235	250.000	270
23 Methyl acetate	43	7.269	7.269	(0.729)	77059	250.000	290
24 Methylene Chloride	84	7.465	7.465	(0.748)	128312	250.000	250
25 Acrylonitrile	53	7.780	7.780	(0.780)	345471	2500.00	2800
26 trans-1,2-Dichloroethene	96	7.790	7.790	(0.781)	120058	250.000	230
27 trans-1,2-DCE (part of total)	96	7.790	7.790	(0.781)	120058	250.000	230
28 Methyl-tert-butyl ether	73	7.731	7.731	(0.775)	310978	250.000	270
29 1,1-Dichloroethane	63	8.292	8.292	(0.831)	232690	250.000	260
30 Chloroprene	53	8.371	8.371	(0.839)	172076	250.000	260
31 Vinyl acetate	43	8.263	8.263	(0.828)	377447	250.000	270
32 Isopropyl ether	45	8.233	8.233	(0.825)	394534	250.000	270
33 cis-1,2-Dichloroethene	96	8.903	8.903	(0.892)	129594	250.000	240
34 cis-1,2-DCE (part of total)	96	8.903	8.903	(0.892)	129594	250.000	240
35 2,2-Dichloropropane	77	8.893	8.893	(0.891)	123324	250.000	170
36 Propionitrile	54	8.982	8.982	(0.900)	684020	12500.0	15000
37 2-butanone	43	8.873	8.873	(0.889)	108820	625.000	690
38 Methacrylonitrile	41	9.110	9.110	(0.913)	610172	2500.00	3000
39 Bromochloromethane	128	9.159	9.159	(0.918)	58105	250.000	250
40 Chloroform	83	9.198	9.198	(0.922)	232355	250.000	260
41 1,1,1-Trichloroethane	97	9.385	9.385	(0.941)	192970	250.000	260
42 Cyclohexane	56	9.425	9.425	(0.945)	191191	250.000	320
43 1,1-dichloropropene	75	9.523	9.523	(0.955)	152643	250.000	230
44 Carbon Tetrachloride	117	9.543	9.543	(0.957)	154502	250.000	260
45 1,2-Dichloroethane	62	9.769	9.769	(0.979)	177385	250.000	280
46 Isobutyl alcohol	43	9.543	9.543	(0.957)	220638	12500.0	16000
47 Benzene	78	9.740	9.740	(0.976)	441903	250.000	250
48 Trichloroethene	130	10.320	10.320	(1.035)	107013	250.000	230
49 Methylcyclohexane	83	10.498	10.498	(1.052)	137325	250.000	280
50 1,2-Dichloropropane	63	10.567	10.567	(1.059)	122145	250.000	260
51 Dibromomethane	174	10.714	10.714	(1.074)	65984	250.000	240
52 1,4-dioxane	88	10.665	10.665	(1.069)	55837	12500.0	15000
53 Methylmethacrylate	69	10.527	10.527	(1.055)	747526	2500.00	2900
54 Bromodichloromethane	83	10.823	10.823	(1.085)	164052	250.000	260
55 2-chloroethyl vinyl ether	63	11.010	11.010	(1.104)	31764	250.000	310
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.126)	181531	250.000	240
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	231554	625.000	690
58 Toluene	92	11.591	11.591	(0.894)	276927	250.000	250
59 trans-1,3-Dichloropropene	75	11.778	11.778	(0.909)	169234	250.000	250
60 1,1,2-Trichloroethane	97	11.994	11.994	(0.926)	94111	250.000	260
61 Ethylmethacrylate	69	11.728	11.728	(0.905)	1387567	2500.00	2900
62 1,3-Dichloropropane	76	12.171	12.171	(0.939)	167328	250.000	270
63 Tetrachloroethene	164	12.142	12.142	(0.937)	77481	250.000	250

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
64	2-hexanone	43	12.132	12.132	(0.936)	167142	625.000	710
65	Dibromochloromethane	129	12.427	12.427	(0.959)	105595	250.000	260
66	1,2-Dibromoethane	107	12.575	12.575	(0.970)	105790	250.000	260
67	Chlorobenzene	112	12.988	12.988	(1.002)	297962	250.000	260
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	101694	250.000	260
70	Ethylbenzene	106	13.018	13.018	(1.005)	147110	250.000	260
71	m,p-Xylene	106	13.107	13.107	(1.011)	357349	500.000	520
72	m,p-Xylene (part of total)	106	13.107	13.107	(1.011)	357349	500.000	520
73	o-Xylene	106	13.491	13.491	(1.041)	184822	250.000	270
74	o-Xylene (part of total)	106	13.491	13.491	(1.041)	184822	250.000	270
75	Styrene	104	13.500	13.500	(1.042)	318876	250.000	260
76	Bromoform	173	13.766	13.766	(1.062)	70403	250.000	260
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	474540	250.000	290
79	1,1,2,2-Tetrachloroethane	83	14.071	14.071	(0.935)	132305	250.000	270
80	1,2,3-Trichloropropane	110	14.150	14.150	(1.092)	35942	250.000	280
81	Bromobenzene	156	14.170	14.170	(1.093)	107516	250.000	240
82	trans-1,4-dichloro-2-butene	53	14.101	14.101	(1.088)	1417103	1000.00	950
83	n-Propyl Benzene	91	14.150	14.150	(0.940)	575754	250.000	210
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	97919	250.000	260
85	4-Chlorotoluene	126	14.386	14.386	(0.956)	95693	250.000	240
86	1,3,5-Trimethyl Benzene	105	14.268	14.268	(0.948)	362655	250.000	270
87	Pentachloroethane	167	14.692	14.692	(0.976)	56795	250.000	260
88	tert-Butyl Benzene	119	14.593	14.593	(0.970)	334142	250.000	290
89	1,2,4-Trimethyl Benzene	105	14.633	14.633	(0.973)	367171	250.000	260
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	450554	250.000	270
91	1,3-Dichlorobenzene	146	14.987	14.987	(0.996)	203305	250.000	270
92	p-Isopropyl Toluene	119	14.889	14.889	(0.990)	323369	250.000	250
93	1,4-Dichlorobenzene	146	15.066	15.066	(1.001)	207703	250.000	270
94	1,2-Dichlorobenzene	146	15.450	15.450	(1.027)	196983	250.000	280
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.282	15.282	(1.016)	283435	250.000	210
96	1,2-Dibromo-3-Chloropropane	157	16.237	16.237	(1.079)	21453	250.000	270
97	1,2,4-Trichlorobenzene	180	17.133	17.133	(1.139)	119000	250.000	250
98	Hexachlorobutadiene	225	17.232	17.232	(1.145)	42223	250.000	190
99	Naphthalene	128	17.478	17.478	(1.162)	309635	250.000	290
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	122158	250.000	290
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				249652	500.000	470
M 102	Xylene (total)	106				542171	750.000	790

COMPUCHEM a division of Liberty Analytical Corp DATE 3/25/06 INITIAL TIME OF TUNE 1954 SHIFT/S(A)____(B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 754 LINKER /METHOD W8260 5mB

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE None

	REJECTED	FILE NAME	REPORTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL *	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF06B25B59	/	—	—	3/25/06	1954	BFB	—	2ml	—	2481	LLD-SCD
2	/	GS06B25B59	VS	—	—	/ /	2009	VSTD050	—	10ml	—		
3		GT06B25B59	/	—	—	/ /	2050	VSTD050	—	10ml	—		
4		97775B59	/			/ /	2141	VBLKMA	Varns	100ml			
5		97778B59	/			/ /	2218	VMALCS		5ml			
6		97781B59	/			/ /	2257	VMALCSD					
7	/	97367B59	/	OW	1	/ /	2326	ACSGWTB01 MS	9416	5ml	1		wrong QC scheduled see batch #17082 for correct QC
8	/	97368	/	OW	1	/ /	2354	MSD			1		
9		941609DB59	/		1	3/26/06	0023	ACSGW MW06-27DL		1.25	4		
10		16D	/		1	/ /	0052	MW56-27DL		2ml	2.5		
11		20	/		1	/ /	0120	LA14-27		5ml	1		
12		943301B59	/	1	1	/ /	0149	ACSGWLA13-27	9433				
13		02	/			/ /	0218	MW53-27					
14		03	/			/ /	0246	LA17-27					
15		04	/			/ /	0315	LA11-27					
16		05	/			/ /	0343	MW57-27					
17		06	/			/ /	0412	EB02-27					
18		943701B59	/	1	1	/ /	0440	EB	9437	5ml			
19		02	/	1	1	/ /	0509	TRIPBLANK					
20		943507	/	—	—	/ /	0538	B-2VOC SIDEWALL	9435	100ml			
21						/ /							
22						/ /		JAD 3-27-06					
23						/ /							
24						/ /							

JAD 3-27-06

SUPERVISOR APPROVAL Joann Ockenlander

Date 3-27-06

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC 288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

2869

421

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/28/06 Time: 0925

Lab File ID: GS060328A59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.4275700	0.4217699	0.4217699	0.001	-1.36	25.00	AVRG
Chloromethane	0.3069100	0.2997959	0.2997959	0.1	-2.32	25.00	AVRG
Vinyl Chloride	0.2203800	0.2104326	0.2104326	0.001	-4.51	20.00	AVRG
Bromomethane	210.95868	250.00000	0.1721498	0.001	-15.62	25.00	2RDR
Chloroethane	224.60959	250.00000	0.1039182	0.001	-10.16	25.00	2RDR
Trichlorofluoromethane	0.4572100	0.4351901	0.4351901	0.001	-4.82	25.00	AVRG
1,1-Dichloroethene	0.2623400	0.2499797	0.2499797	0.001	-4.71	20.00	AVRG
Carbon disulfide	0.9399600	0.9173352	0.9173352	0.001	-2.41	25.00	AVRG
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.2872901	0.2872901	0.001	-0.09	25.00	AVRG
Acetone	680.95253	625.00000	0.0627302	0.001	8.95	25.00	2RDR
Methylene Chloride	0.2972500	0.3150854	0.3150854	0.001	6.00	25.00	AVRG
trans-1,2-Dichloroethene	0.2991000	0.3073507	0.3073507	0.001	2.76	25.00	AVRG
Methyl-tert-butyl ether	0.6731400	0.7335805	0.7335805	0.001	8.98	25.00	AVRG
1,1-Dichloroethane	0.5318900	0.5280331	0.5280331	0.1	-0.72	25.00	AVRG
cis-1,2-Dichloroethene	0.3161300	0.3212290	0.3212290	0.001	1.61	25.00	AVRG
2-butanone	0.0924300	0.0968408	0.0968408	0.001	4.77	25.00	AVRG
Chloroform	0.5259900	0.5337070	0.5337070	0.001	1.47	20.00	AVRG
1,1,1-Trichloroethane	0.4363600	0.4293190	0.4293190	0.001	-1.61	25.00	AVRG
Carbon Tetrachloride	0.3421000	0.3357743	0.3357743	0.001	-1.85	25.00	AVRG
Benzene	1.0496800	1.0688058	1.0688058	0.001	1.82	25.00	AVRG
1,2-Dichloroethane	0.3744300	0.3844827	0.3844827	0.001	2.68	25.00	AVRG
Trichloroethene	0.2715900	0.2740362	0.2740362	0.001	0.90	25.00	AVRG
1,2-Dichloropropane	0.2754500	0.2806535	0.2806535	0.001	1.89	20.00	AVRG
Bromodichloromethane	0.3712300	0.3807459	0.3807459	0.001	2.56	25.00	AVRG
cis-1,3-Dichloropropene	0.4471900	0.4454263	0.4454263	0.001	-0.39	25.00	AVRG
4-Methyl-2-pentanone	0.2958300	0.3174632	0.3174632	0.001	7.31	25.00	AVRG
Toluene	0.9698300	0.9911136	0.9911136	0.001	2.19	20.00	AVRG
trans-1,3-Dichloropropene	0.5916500	0.6046917	0.6046917	0.001	2.20	25.00	AVRG
1,1,2-Trichloroethane	0.3195200	0.3421840	0.3421840	0.001	7.09	25.00	AVRG
Tetrachloroethene	0.2714000	0.3190213	0.3190213	0.001	17.55	25.00	AVRG
2-hexanone	0.2080000	0.2218876	0.2218876	0.001	6.68	25.00	AVRG
Dibromochloromethane	0.3656700	0.3935919	0.3935919	0.001	7.64	25.00	AVRG
1,2-Dibromoethane	0.3581000	0.3897590	0.3897590	0.001	8.84	25.00	AVRG
Chlorobenzene	1.0222400	1.0795661	1.0795661	0.3	5.61	25.00	AVRG
Ethylbenzene	0.4911400	0.5223045	0.5223045	0.001	6.34	20.00	AVRG
Styrene	1.0685100	1.1327310	1.1327310	0.001	6.01	25.00	AVRG
Bromoform	0.2408400	0.2616756	0.2616756	0.1	8.65	25.00	AVRG
Isopropyl Benzene	1.4270900	1.5240064	1.5240064	0.001	6.79	25.00	AVRG
1,1,2,2-Tetrachloroethane	0.9152100	0.9783794	0.9783794	0.3	6.90	25.00	AVRG
1,3-Dichlorobenzene	1.4411300	1.4997189	1.4997189	0.001	4.06	25.00	AVRG
1,4-Dichlorobenzene	1.4729500	1.4922549	1.4922549	0.001	1.31	25.00	AVRG
1,2-Dichlorobenzene	1.3266200	1.4127223	1.4127223	0.001	6.49	25.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Instrument ID: 5972HP59 Calibration Date: 03/28/06 Time: 0925

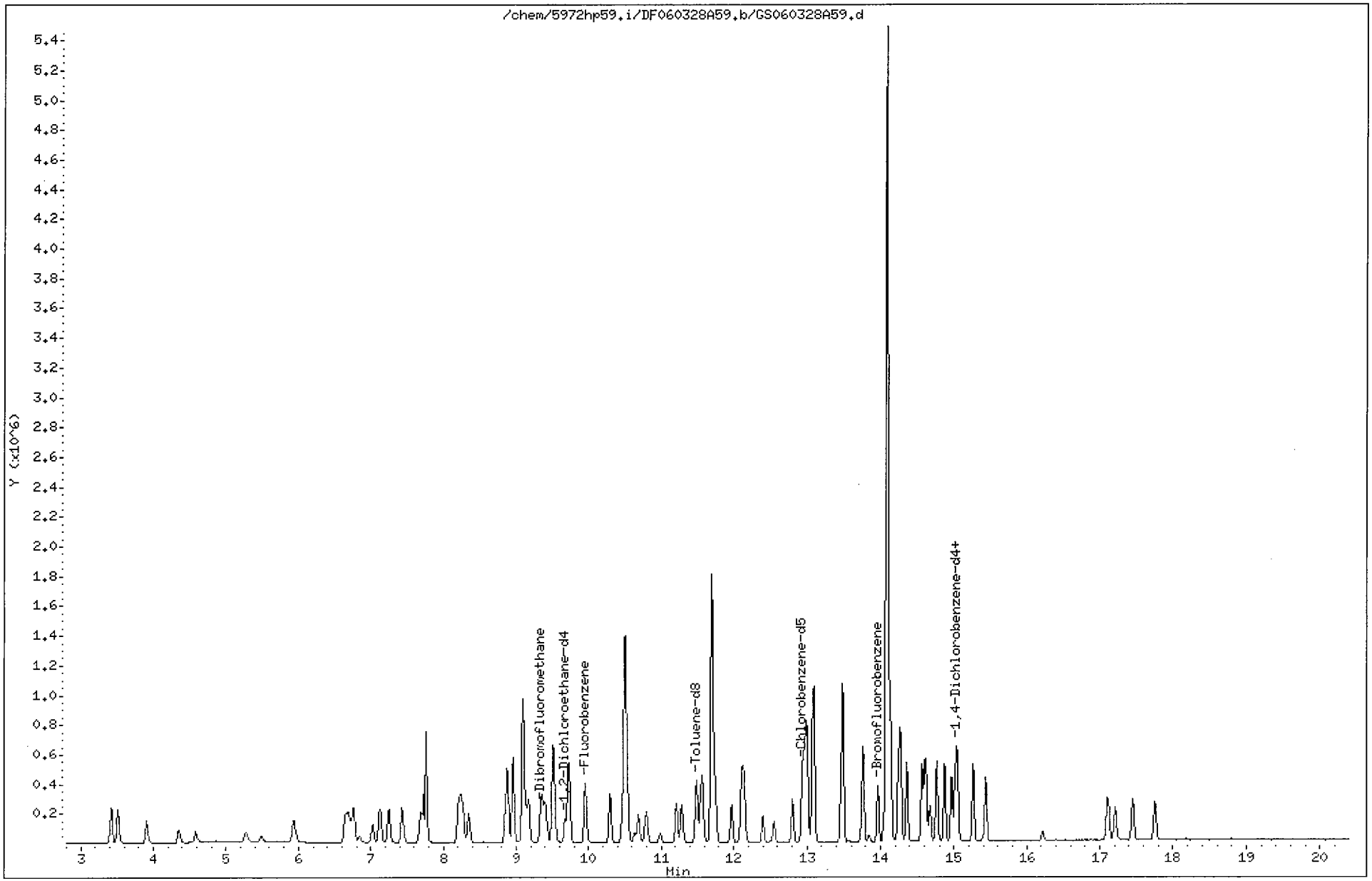
Lab File ID: GS060328A59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromo-3-Chloropropane	0.1472800	0.1581919	0.1581919	0.001	7.41	25.00	AVRG
1,2,4-Trichlorobenzene	0.8822500	0.8729501	0.8729501	0.001	-1.05	25.00	AVRG
Xylene (total)	0.6076200	0.6389462	0.6389462	0.001	5.16	25.00	AVRG
Methyl acetate	0.1551500	0.1728129	0.1728129	0.001	11.38	25.00	AVRG
Cyclohexane	0.3443300	0.3472361	0.3472361	0.001	0.84	25.00	AVRG
Methylcyclohexane	0.2873400	0.3098310	0.3098310	0.001	7.83	25.00	AVRG
Dibromofluoromethane	0.3228200	0.2815718	0.2815718	0.001	-12.78	25.00	AVRG
1,2-Dichloroethane-d4	0.3382300	0.2753392	0.2753392	0.001	-18.59	25.00	AVRG
Toluene-d8	1.4987000	1.3241763	1.3241763	0.001	-11.64	25.00	AVRG
Bromofluorobenzene	1.3200100	1.1428691	1.1428691	0.001	-13.42	25.00	AVRG

Data File: /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Date : 28-MAR-2006 09:25
Client ID: VSTD050 Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0 Operator: 2473
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Report Date: 29-Mar-2006 03:37

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 28-MAR-2006 09:25
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.953	9.953	(1.000)	517282	250.000	
* 2 Chlorobenzene-d5	117	12.936	12.936	(1.000)	344908	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.023	15.023	(1.000)	167202	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.332	(0.938)	145652	250.000	220
$ 5 1,2-Dichloroethane-d4	65	9.667	9.667	(0.971)	142428	250.000	200
$ 6 Toluene-d8	98	11.488	11.488	(0.888)	456719	250.000	220
$ 7 Bromofluorobenzene	95	13.969	13.969	(0.930)	191090	250.000	220
8 Dichlorodifluoromethane	85	3.908	3.908	(0.393)	218174	250.000	250
9 Chloromethane	50	4.351	4.351	(0.437)	155079	250.000	240
10 Vinyl Chloride	62	4.587	4.587	(0.461)	108853	250.000	240
11 Bromomethane	94	5.266	5.266	(0.529)	89050	250.000	210
12 Chloroethane	64	5.483	5.483	(0.551)	53755	250.000	220
13 Trichlorofluoromethane	101	5.936	5.936	(0.596)	225116	250.000	240
14 Acrolein	56	6.645	6.645	(0.668)	148626	2500.00	2100
15 1,1-Dichloroethene	96	6.763	6.763	(0.680)	129310	250.000	240
16 1,1,1-trichloro-2,2,2-trifluo	117	6.664	6.664	(0.670)	58788	250.000	260

Data File: /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Report Date: 29-Mar-2006 03:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.842	6.842	(0.687)	81123	625.000	680
18 Iodomethane	142	7.029	7.029	(0.706)	207251	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.704	6.704	(0.674)	148610	250.000	250
20 Carbon disulfide	76	7.127	7.127	(0.716)	474521	250.000	240
21 3-Chloropropene	76	7.255	7.255	(0.729)	72124	250.000	240
22 Acetonitrile	41	7.255	7.255	(0.729)	180692	250.000	230
23 Methyl acetate	43	7.245	7.245	(0.728)	89393	250.000	280
24 Methylene Chloride	84	7.432	7.432	(0.747)	162988	250.000	270
25 Acrylonitrile	53	7.757	7.757	(0.779)	332069	2500.00	2200 (M)
26 trans-1,2-Dichloroethene	96	7.757	7.757	(0.779)	158987	250.000	260
27 trans-1,2-DCE (part of total)	96	7.757	7.757	(0.779)	158987	250.000	260
28 Methyl-tert-butyl ether	73	7.698	7.698	(0.773)	379468	250.000	270
29 1,1-Dichloroethane	63	8.259	8.259	(0.830)	273142	250.000	250
30 Chloroprene	53	8.348	8.348	(0.839)	178143	250.000	220
31 Vinyl acetate	43	8.240	8.240	(0.828)	420515	250.000	250
32 Isopropyl ether	45	8.210	8.210	(0.825)	448199	250.000	260
33 cis-1,2-Dichloroethene	96	8.879	8.879	(0.892)	166166	250.000	250
34 cis-1,2-DCE (part of total)	96	8.879	8.879	(0.892)	166166	250.000	250
35 2,2-Dichloropropane	77	8.870	8.870	(0.891)	202821	250.000	230
36 Propionitrile	54	8.958	8.958	(0.900)	735788	12500.0	13000
37 2-butanone	43	8.860	8.860	(0.890)	125235	625.000	650
38 Methacrylonitrile	41	9.086	9.086	(0.913)	616342	2500.00	2500
39 Bromochloromethane	128	9.135	9.135	(0.918)	76451	250.000	270
40 Chloroform	83	9.175	9.175	(0.922)	276077	250.000	250
41 1,1,1-Trichloroethane	97	9.362	9.362	(0.941)	222079	250.000	250
42 Cyclohexane	56	9.401	9.401	(0.945)	179619	250.000	250
43 1,1-dichloropropene	75	9.500	9.500	(0.954)	191072	250.000	240
44 Carbon Tetrachloride	117	9.519	9.519	(0.956)	173690	250.000	250
45 1,2-Dichloroethane	62	9.746	9.746	(0.979)	198886	250.000	260
46 Isobutyl alcohol	43	9.519	9.519	(0.956)	226057	12500.0	14000
47 Benzene	78	9.726	9.726	(0.977)	552874	250.000	250
48 Trichloroethene	130	10.297	10.297	(1.035)	141754	250.000	250
49 Methylcyclohexane	83	10.474	10.474	(1.052)	160270	250.000	270
50 1,2-Dichloropropane	63	10.543	10.543	(1.059)	145177	250.000	250
51 Dibromomethane	174	10.691	10.691	(1.074)	92314	250.000	280
52 1,4-dioxane	88	10.632	10.632	(1.068)	64655	12500.0	14000
53 Methylmethacrylate	69	10.504	10.504	(1.055)	829376	2500.00	2700
54 Bromodichloromethane	83	10.799	10.799	(1.085)	196953	250.000	260
55 2-chloroethyl vinyl ether	63	10.986	10.986	(1.104)	38704	250.000	310
56 cis-1,3-Dichloropropene	75	11.203	11.203	(1.126)	230411	250.000	250
57 4-Methyl-2-pentanone	43	11.282	11.282	(0.872)	273739	625.000	670
58 Toluene	92	11.567	11.567	(0.894)	341843	250.000	260
59 trans-1,3-Dichloropropene	75	11.754	11.754	(0.909)	208563	250.000	260
60 1,1,2-Trichloroethane	97	11.971	11.971	(0.925)	118022	250.000	270
61 Ethylmethacrylate	69	11.705	11.705	(0.905)	1531851	2500.00	2600
62 1,3-Dichloropropane	76	12.148	12.148	(0.939)	204316	250.000	270
63 Tetrachloroethene	164	12.128	12.128	(0.938)	110033	250.000	290

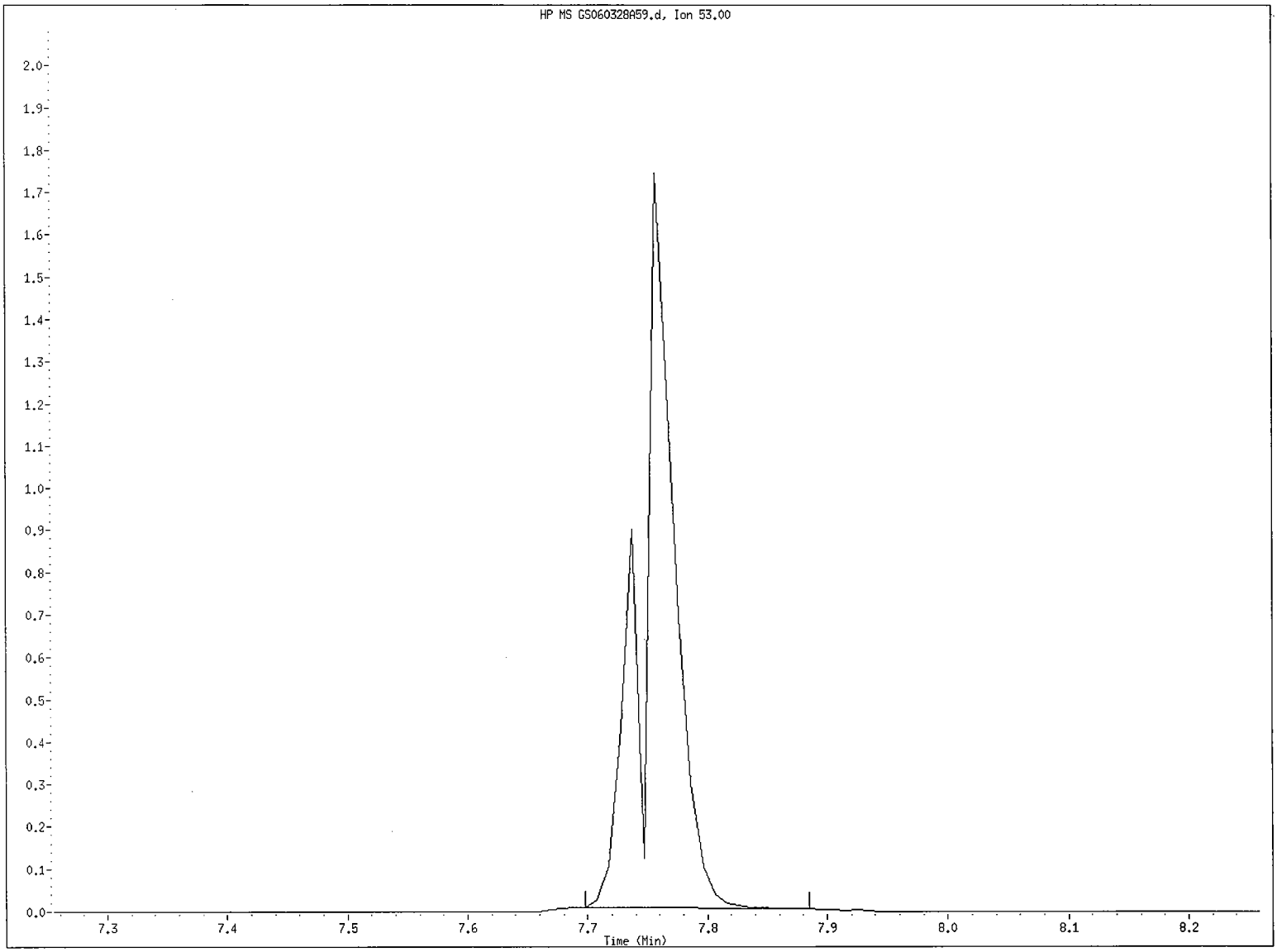
Data File: /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Report Date: 29-Mar-2006 03:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64	2-hexanone	43	12.109	12.109	(0.936)	191327	625.000	670
65	Dibromochloromethane	129	12.404	12.404	(0.959)	135753	250.000	270
66	1,2-Dibromoethane	107	12.552	12.552	(0.970)	134431	250.000	270
67	Chlorobenzene	112	12.965	12.965	(1.002)	372351	250.000	260
69	1,1,1,2-Tetrachloroethane	131	13.014	13.014	(1.006)	133322	250.000	280
70	Ethylbenzene	106	12.995	12.995	(1.005)	180147	250.000	270
71	m,p-Xylene	106	13.093	13.093	(1.012)	440682	500.000	520
72	m,p-Xylene (part of total)	106	13.093	13.093	(1.012)	440682	500.000	520
73	o-Xylene	106	13.477	13.477	(1.042)	220451	250.000	260
74	o-Xylene (part of total)	106	13.477	13.477	(1.042)	220451	250.000	260
75	Styrene	104	13.487	13.487	(1.043)	390688	250.000	270
76	Bromoform	173	13.753	13.753	(1.063)	90254	250.000	270
78	Isopropyl Benzene	105	13.763	13.763	(1.064)	525642	250.000	270
79	1,1,2,2-Tetrachloroethane	83	14.058	14.058	(0.936)	163587	250.000	270
80	1,2,3-Trichloropropane	110	14.127	14.127	(1.092)	42910	250.000	270
81	Bromobenzene	156	14.147	14.147	(1.094)	142969	250.000	270
82	trans-1,4-dichloro-2-butene	53	14.087	14.087	(1.089)	1497977	1000.00	830
83	n-Propyl Benzene	91	14.127	14.127	(0.940)	747881	250.000	210
84	2-Chlorotoluene	126	14.274	14.274	(0.950)	127117	250.000	270
85	4-Chlorotoluene	126	14.363	14.363	(0.956)	128680	250.000	260
86	1,3,5-Trimethyl Benzene	105	14.255	14.255	(0.949)	438789	250.000	260
87	Pentachloroethane	167	14.668	14.668	(0.976)	60492	250.000	220
88	tert-Butyl Benzene	119	14.570	14.570	(0.970)	392034	250.000	270
89	1,2,4-Trimethyl Benzene	105	14.619	14.619	(0.973)	457513	250.000	260
90	sec-Butyl Benzene	105	14.767	14.767	(0.983)	558395	250.000	270
91	1,3-Dichlorobenzene	146	14.973	14.973	(0.997)	250756	250.000	260
92	p-Isopropyl Toluene	119	14.865	14.865	(0.990)	424359	250.000	270
93	1,4-Dichlorobenzene	146	15.042	15.042	(1.001)	249508	250.000	250
94	1,2-Dichlorobenzene	146	15.426	15.426	(1.027)	236210	250.000	270
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.259	15.259	(1.016)	413903	250.000	240
96	1,2-Dibromo-3-Chloropropane	157	16.214	16.214	(1.079)	26450	250.000	270
97	1,2,4-Trichlorobenzene	180	17.100	17.100	(1.138)	145959	250.000	250
98	Hexachlorobutadiene	225	17.208	17.208	(1.145)	76617	250.000	270
99	Naphthalene	128	17.454	17.454	(1.162)	369632	250.000	280
100	1,2,3-Trichlorobenzene	180	17.750	17.750	(1.182)	143198	250.000	270
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				325153	500.000	510
M 102	Xylene (total)	106				661133	750.000	790

QC Flag Legend

M - Compound response manually integrated.

Acrylonitrile CAS Number 107-13-1 Area = 332069 Manually integrated



File name: /chem/5972hp59.i/DF060328A59.b/GS060328A59.d
Client ID: VSTD050
Instrument ID: 5972hp59.i
Injection Date and Time: 28-MAR-2006 09:25
Retention Time: 7.76
Operator ID: 2473

COMPUCHEM a division of Liberty Analytical Corp DATE 3/28/06 INITIAL TIME OF TUNE 0857 SHIFT/S(A) ✓ (B)____(C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2157 LINKER /METHOD 8260BW 5ppb

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE none

	REJECTED	FILE NAME	REJECTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL*	DF+	CHEMIST	COMMENTS(ETC)/ DISPOSITION
1		BF060328A59		—	—	3/28/06	0857	BFB	—	2µL	—	2473	LCD=SCD
2		GS060328A59		—	—	/ /	0925	VSTD050	—	10ml	—		
3		97798A59		—	—	/ /	1007	VBLKND	VARIOUS	~~10ml~~ 10ml	—		
JKP 3-28-06 4		97821A59		—	—	/ /	1048	VNDLCS	↓	10ml	—		DC289 Passes EPA Spike
5		97521A59		1	2	/ /	1117	ACSGWMW17-27 MS	9416	5ml	—		
6		97522A59		1	2	/ /	1145	↓ MSD	↓	↓	—		
7		97477A59			T.Bag	/ /	1222	ZHEBLKSB	9399	1ml	5		
8		97821RA59		—	—	/ /	1250	VNDLCS	VARIOUS	10ml	—		DC289 Passes EPA Spike #TCLP
9		939901A59	DW	—	T.Bag	/ /	1321	A1	9399	1µl	5000		
10		939902A59	DW			/ /	1349	A2					
11		939903A59	DW			/ /	1418	B1					
12		939904A59	DW			/ /	1447	B2					
13		939905A59	DW			/ /	1515	C1					
14		939906A59	DW			/ /	1544	C2					
15		939907A59	DW			/ /	1612	C3					
16		939908A59	DW			/ /	1641	D1					
17		939909A59	DW			/ /	1709	E1	↓	↓	↓		
18		97827A59				/ /	1738	ZHEBLKS0	9399	1ml	5		
19		939911A59	DW			/ /	1807	F1		1µL	5000		
20		939913A59	↓			/ /	1835	G1					
21		939912A59	↓			/ /	1904	H					
22		939910A59	↓			/ /	1932	D2	↓	↓	↓		
23		97992A59	OT			/ /	—	FILTERBLKSV	9411	5ml	—		not run yet
24		941101A59	↓	—		/ /	—	I	↓	500µL	10		↓

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL _____ Date 3-28-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

430

COMPUCHEM a division of Liberty Analytical Corp DATE 3/28/06

GC/MS VOLATILE RUN LOG

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

INITIAL TIME OF TUNE 0857

TIME TUNE EXPIRES 2057

SHIFT/S(A) ✓ (B)____ (C)____

LINKER /METHOD 8260B W

5ppb

PREVENTIVE MAINTENANCE

	REJECTED	FILE NAME	REPORTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+ (none)	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		939903DA59	/		T.Bag	3/28/06	2001	B1	9399	1.5uL	—	2473	
2		97992 A59	/		↓	/ /	2030	FILTERBLKSV	9411	5ml	—		
3	/	941101 A59	O+	—	↓	/ /	—	I	↓	500uL	101		
4	/	940419DA59	O+	—	MeOH Ext.	/ /	—	SIDE7	9404	25uL	5.85		
5						/ /							
6						/ /							
7						/ /							
8						/ /							
9						/ /							
10						/ /							
11						/ /							
12						/ /							
13						/ /							
14						/ /							
15						/ /							
16						/ /							
17						/ /							
18						/ /							
19						/ /							
20						/ /							
21						/ /						[signature]	
22						/ /							
23						/ /						3-28-06	
24						/ /							

*On-column sample aliquot

+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature]

Date 3-28-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

2873

4. Raw QC Data

   a. BFB Data

   b. Blank Data

   c. Laboratory Control Sample Data

   d. Matrix Spike Data

   e. Matrix Spike Duplicate Data

a. BFB Data

For each 12 hour period, per instrument utilized, include:

- Bar Graph spectrum and Tabulated Relative Abundances

- Mass listing

- Reconstructed ion chromatogram

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

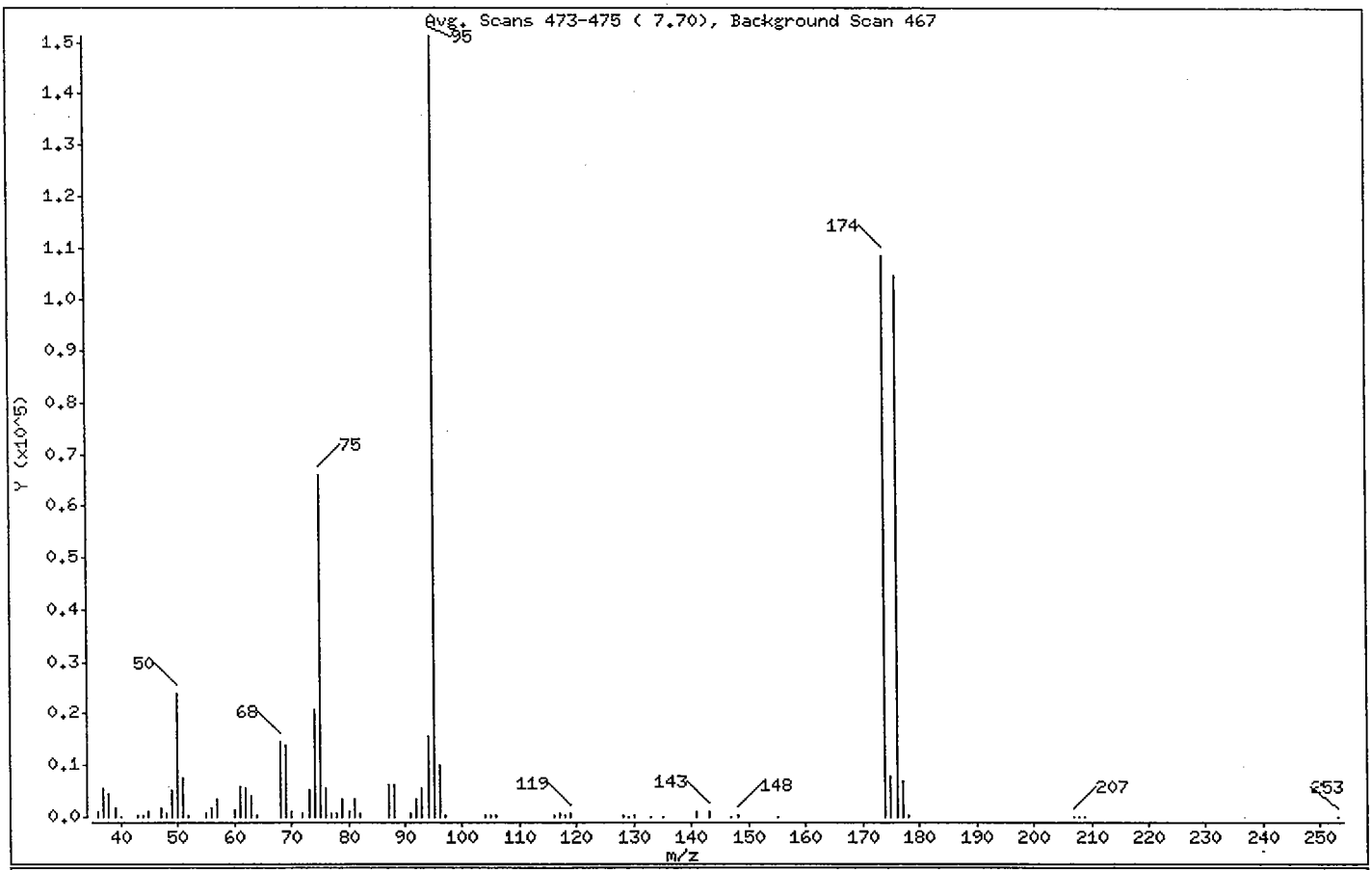
Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.92
75	30.00 - 60.00% of mass 95	43.59
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.80
175	5.00 - 9.00% of mass 174	5.27 (7.34)
176	95.00 - 101.00% of mass 174	69.20 (96.38)
177	5.00 - 9.00% of mass 176	4.64 (6.70)

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BG060324A59.d

Spectrum: Avg. Scans 473-475 (7.70), Background Scan 467

Location of Maximum: 95.00

Number of points: 71

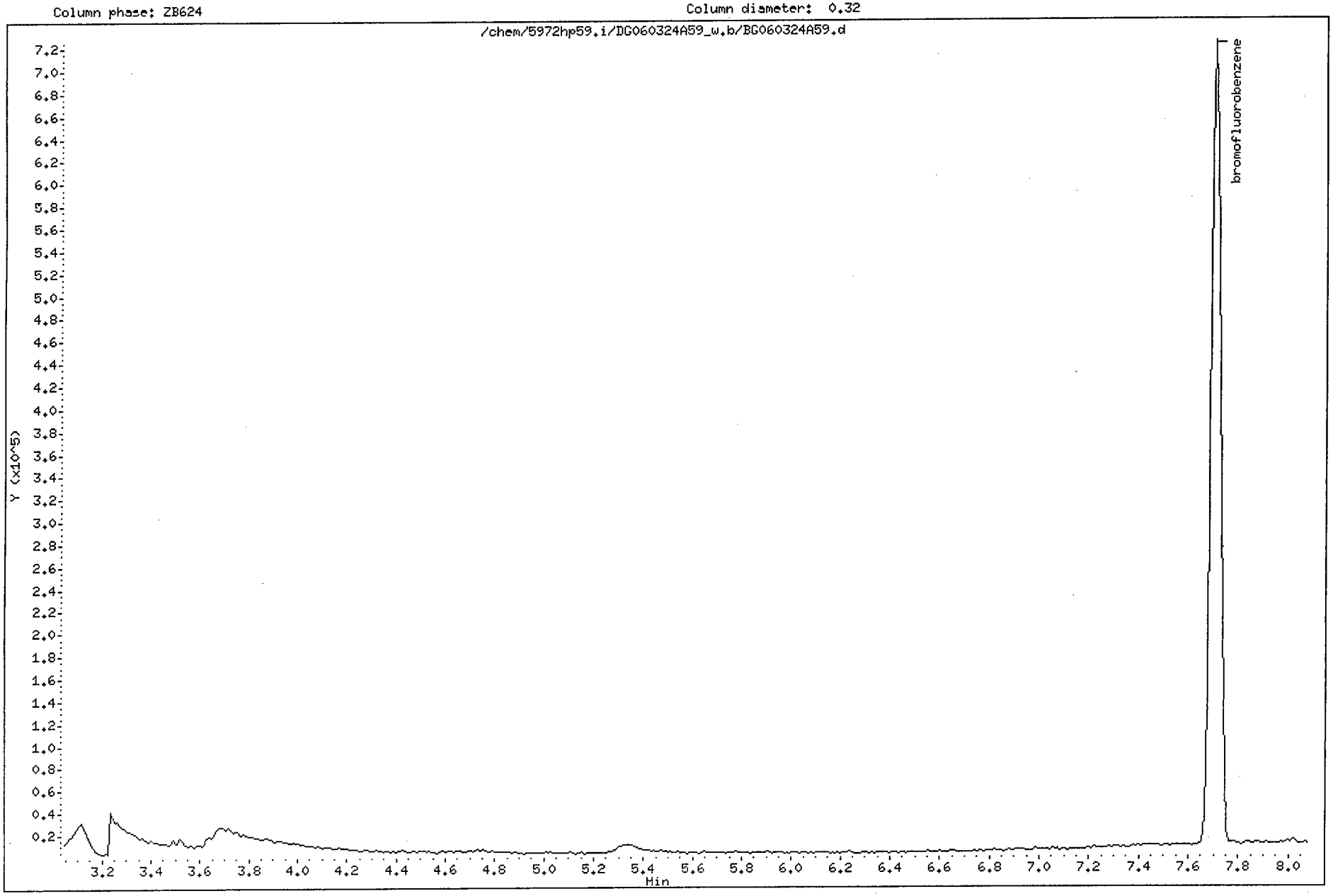
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1176	61.00	5803	87.00	6315	130.00	453
37.00	5538	62.00	5609	88.00	6148	133.00	75
38.00	4681	63.00	4097	91.00	735	135.00	117
39.00	1745	64.00	407	92.00	3366	141.00	913
40.00	43	68.00	14774	93.00	5457	143.00	987
43.00	323	69.00	13894	94.00	15514	147.00	103
44.00	475	70.00	1062	95.00	151232	148.00	225
45.00	1199	72.00	560	96.00	10229	155.00	102
47.00	1636	73.00	5251	97.00	250	174.00	108592
48.00	753	74.00	20992	104.00	497	175.00	7969
49.00	5288	75.00	65928	105.00	232	176.00	104664
50.00	24080	76.00	5469	106.00	462	177.00	7017
51.00	7668	77.00	711	116.00	276	178.00	220
52.00	466	78.00	785	117.00	714	207.00	144
55.00	554	79.00	3426	118.00	462	208.00	99
56.00	1734	80.00	1058	119.00	727	209.00	81
57.00	3317	81.00	3434	128.00	468	253.00	109
60.00	1303	82.00	748	129.00	113		

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d
Date : 24-MAR-2006 15:29
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060324B59.b/BF060324B59.d

Date : 24-MAR-2006 21:11

Client ID: BFB

Instrument: 5972hp59.i

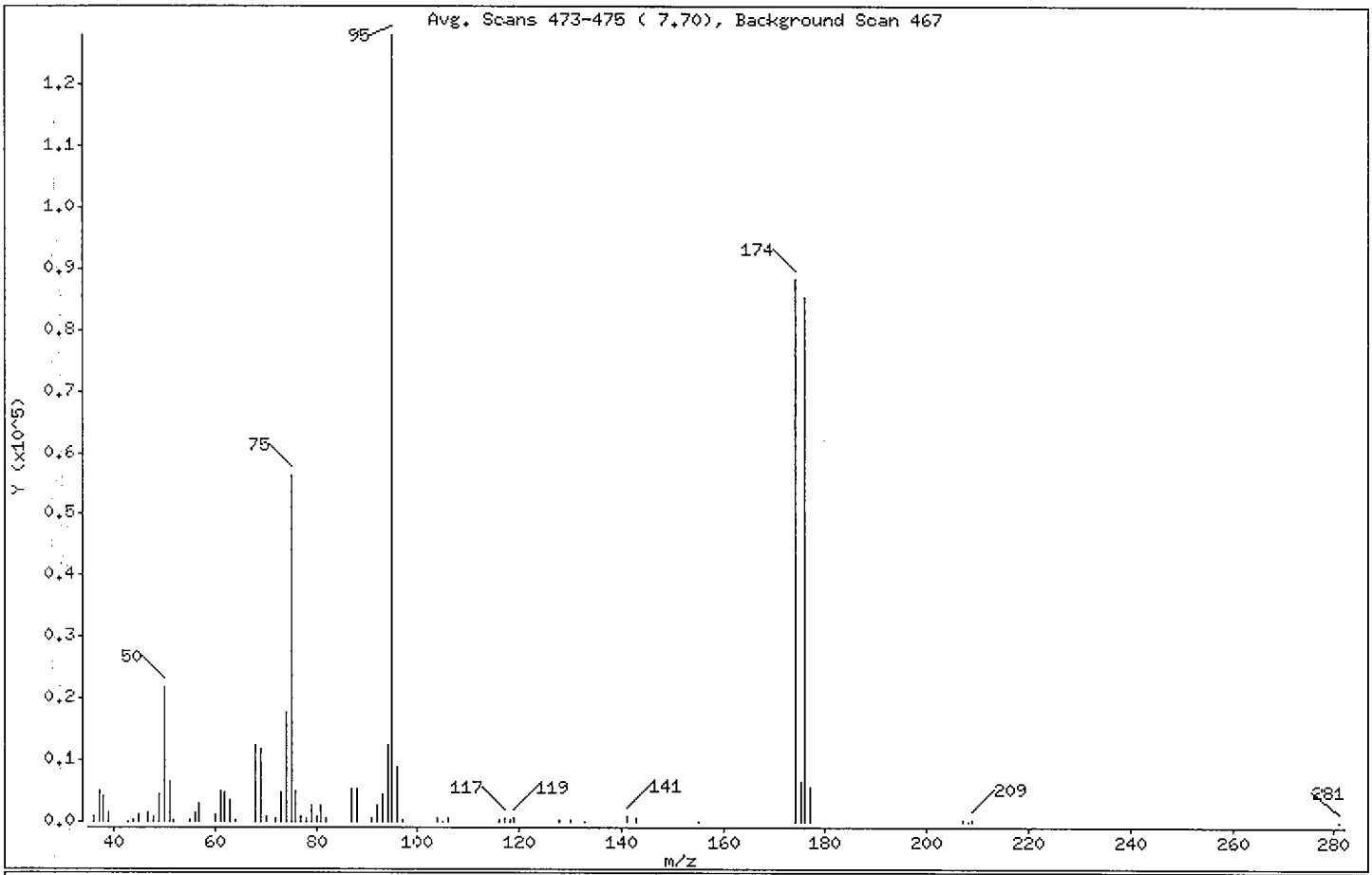
Sample Info: BFB;2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.17
75	30.00 - 60.00% of mass 95	43.98
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.94
175	5.00 - 9.00% of mass 174	5.14 (7.45)
176	95.00 - 101.00% of mass 174	66.59 (96.60)
177	5.00 - 9.00% of mass 176	4.45 (6.69)

Data File: /chem/5972hp59.i/DF060324B59.b/BF060324B59.d

Date : 24-MAR-2006 21:11

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

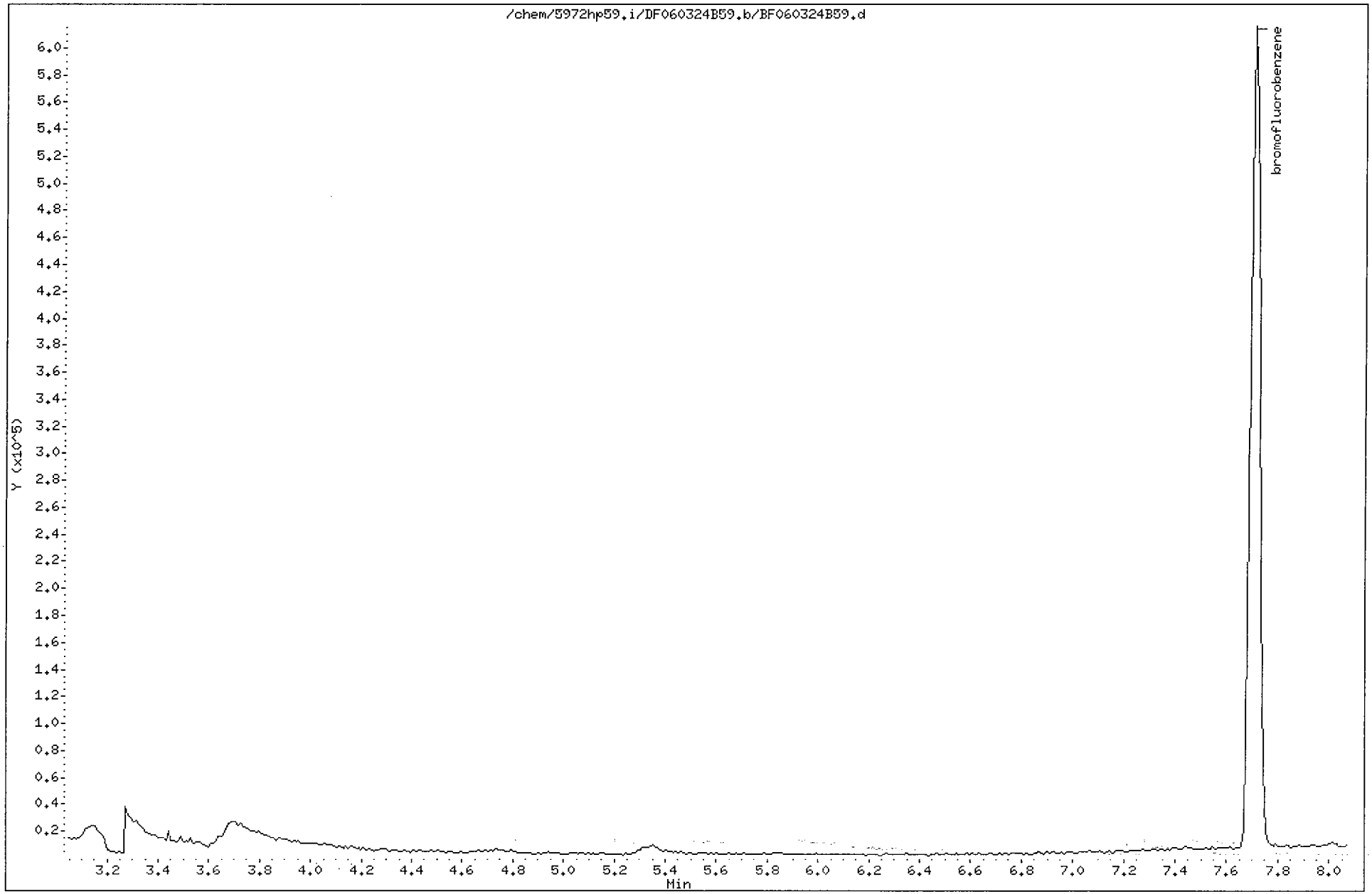
Column phase: ZB624

Column diameter: 0.32

Data File: BF060324B59.d
Spectrum: Avg. Scans 473-475 (7.70), Background Scan 467
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1024	61.00	5065	82.00	569	128.00	408
37.00	4976	62.00	4740	87.00	5396	130.00	399
38.00	4020	63.00	3463	88.00	5417	133.00	16
39.00	1489	64.00	406	91.00	586	141.00	887
43.00	111	68.00	12504	92.00	2712	143.00	688
44.00	341	69.00	11774	93.00	4421	155.00	115
45.00	1211	70.00	921	94.00	12468	174.00	88224
47.00	1446	72.00	602	95.00	127976	175.00	6577
48.00	742	73.00	4656	96.00	8813	176.00	85224
49.00	4436	74.00	17648	97.00	255	177.00	5700
50.00	21968	75.00	56280	104.00	470	207.00	165
51.00	6524	76.00	5033	105.00	100	208.00	26
52.00	388	77.00	869	106.00	449	209.00	306
55.00	308	78.00	467	116.00	365	281.00	71
56.00	1553	79.00	2730	117.00	626		
57.00	3074	80.00	873	118.00	413		
60.00	1051	81.00	2737	119.00	603		

Data File: /chem/5972hp59.i/DF060324B59.b/BF060324B59.d
Date : 24-MAR-2006 21:11
Client ID: BFB
Instrument: 5972hp59.i
Sample Info: BFB:2481
Operator: 2481
Column phase: ZB624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d

Date : 25-MAR-2006 19:54

Client ID: BFB

Instrument: 5972hp59.i

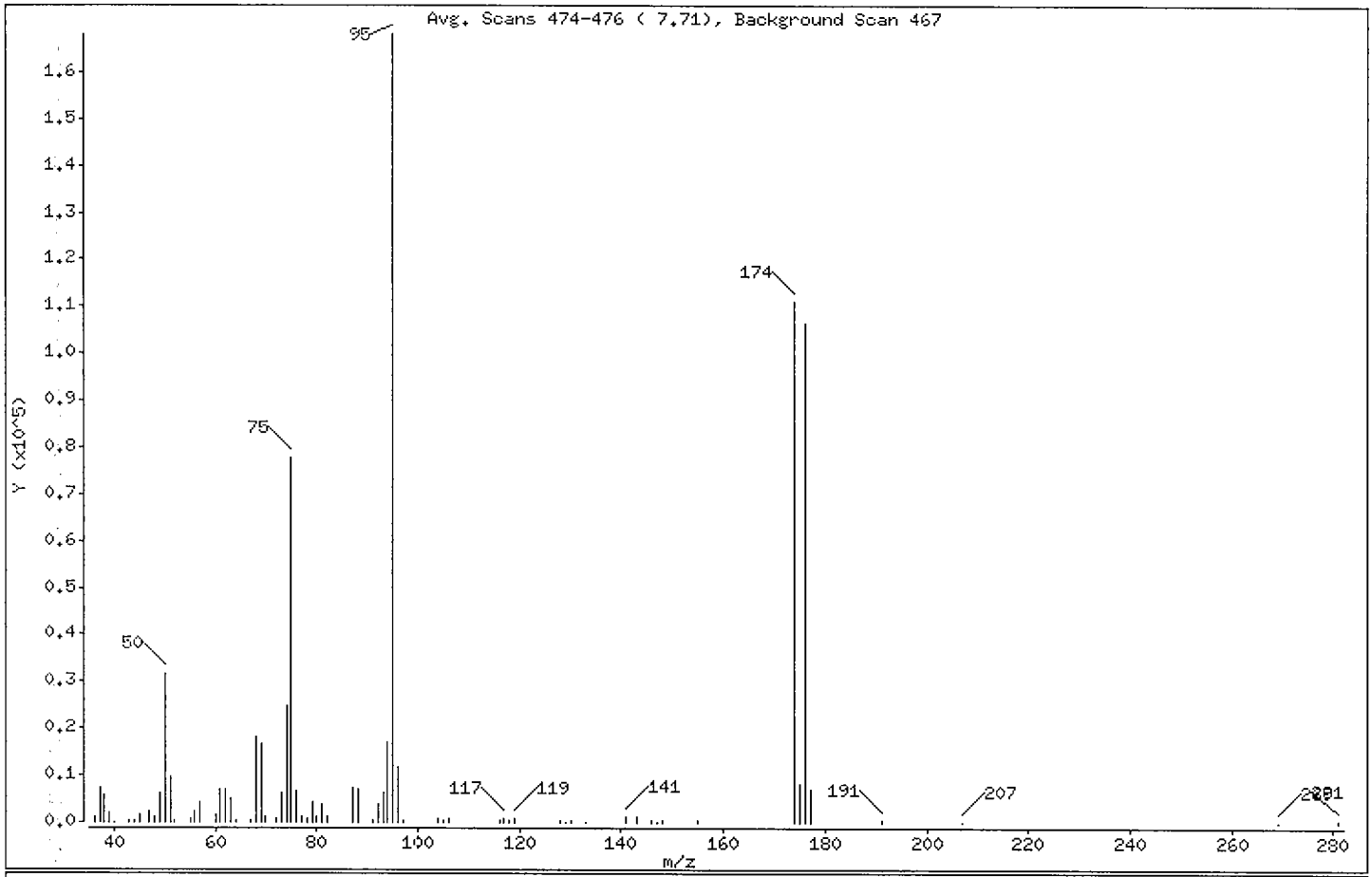
Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.89
75	30.00 - 60.00% of mass 95	46.26
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	66.05
175	5.00 - 9.00% of mass 174	4.83 (7.31)
176	95.00 - 101.00% of mass 174	63.16 (95.64)
177	5.00 - 9.00% of mass 176	4.09 (6.48)

Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d

Date : 25-MAR-2006 19:54

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

Data File: BF060325B59.d

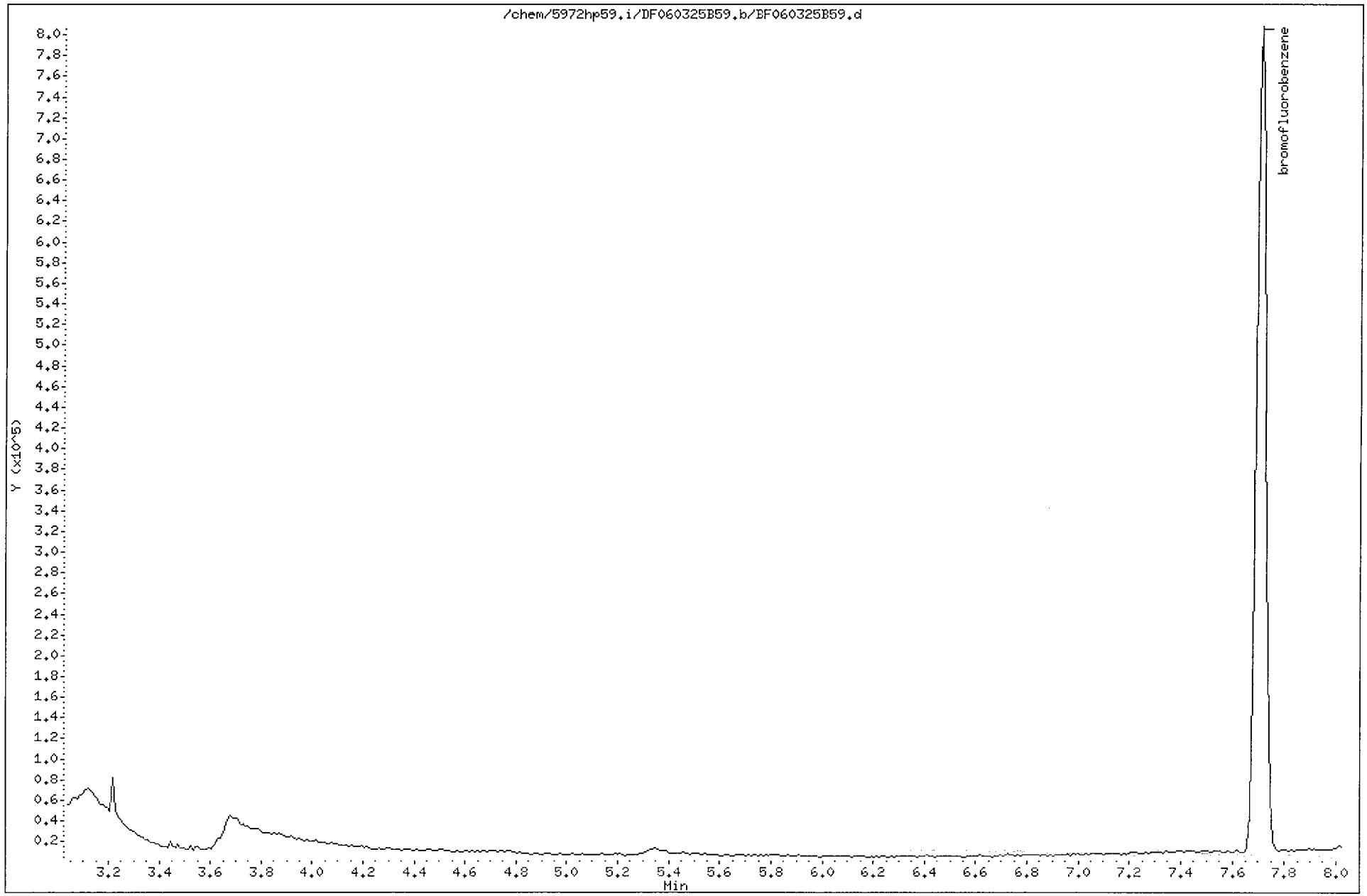
Spectrum: Avg. Scans 474-476 (7.71), Background Scan 467

Location of Maximum: 95.00

Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1046	61.00	7103	82.00	1035	129.00	104
37.00	7379	62.00	6982	87.00	7366	130.00	443
38.00	5952	63.00	4867	88.00	7003	133.00	21
39.00	2101	64.00	355	91.00	501	141.00	1078
40.00	95	67.00	502	92.00	3906	143.00	1024
43.00	232	68.00	18000	93.00	6257	146.00	231
44.00	490	69.00	16760	94.00	16984	147.00	103
45.00	1637	70.00	1313	95.00	168064	148.00	246
47.00	2261	72.00	902	96.00	11620	155.00	251
48.00	1154	73.00	6339	97.00	523	174.00	111008
49.00	6194	74.00	24656	104.00	636	175.00	8116
50.00	31744	75.00	77752	105.00	266	176.00	106168
51.00	9514	76.00	6548	106.00	585	177.00	6876
52.00	526	77.00	1335	116.00	502	191.00	239
55.00	635	78.00	760	117.00	909	207.00	75
56.00	2392	79.00	4086	118.00	475	269.00	31
57.00	4232	80.00	1114	119.00	879	281.00	353
60.00	1526	81.00	3909	128.00	466		

Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d
Date : 25-MAR-2006 19:54
Client ID: BFB
Instrument: 5972hp59.i
Sample Info: BFB:2481
Operator: 2481
Column phase: ZB624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/BF060328A59.d

Date : 28-MAR-2006 08:57

Client ID: BFB

Instrument: 5972hp59.i

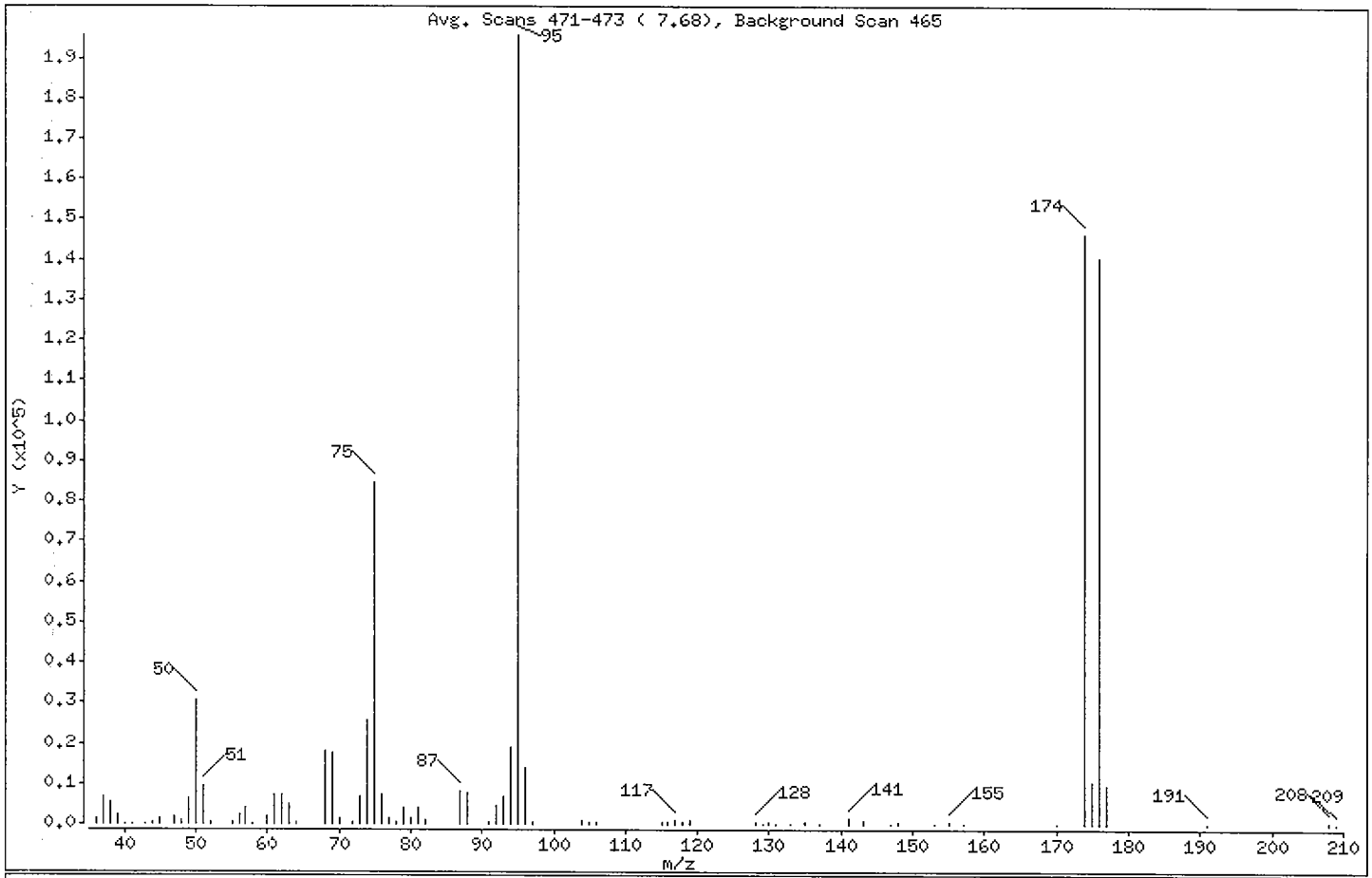
Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.58
75	30.00 - 60.00% of mass 95	43.20
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.78
175	5.00 - 9.00% of mass 174	5.30 (7.08)
176	95.00 - 101.00% of mass 174	71.78 (95.98)
177	5.00 - 9.00% of mass 176	4.85 (6.75)

Data File: /chem/5972hp59.i/DF060328A59.b/BF060328A59.d

Date : 28-MAR-2006 08:57

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

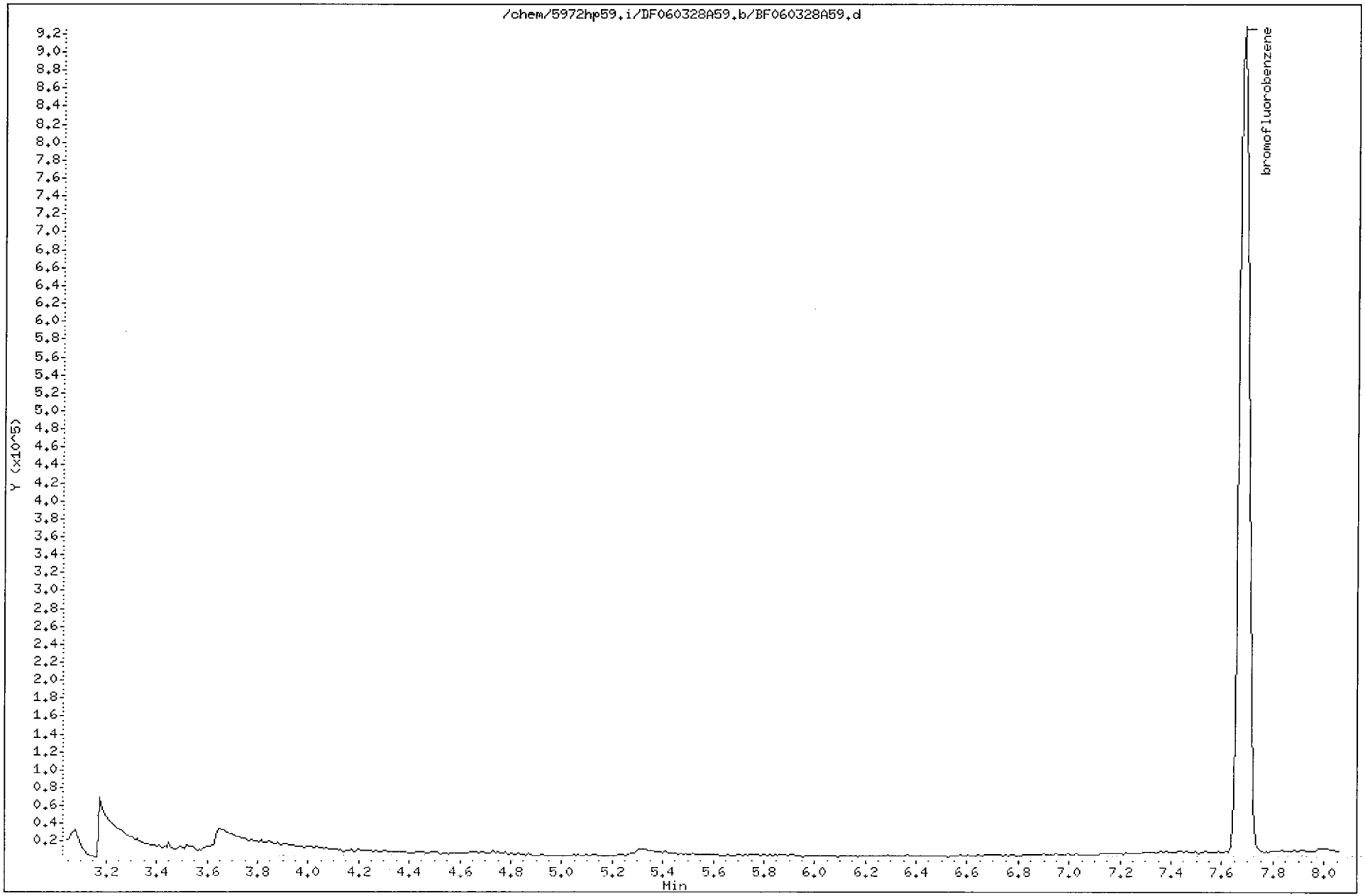
Column diameter: 0.32

Data File: BF060328A59.d
Spectrum: Avg. Scans 471-473 (7.68), Background Scan 465
Location of Maximum: 95.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1389	61.00	6972	91.00	512	135.00	250
37.00	6587	62.00	7042	92.00	4320	137.00	100
38.00	5353	63.00	5037	93.00	6654	141.00	1181
39.00	2049	64.00	469	94.00	19016	143.00	1099
40.00	122	68.00	18008	95.00	195648	147.00	107
41.00	75	69.00	17464	96.00	13722	148.00	269
43.00	121	70.00	1384	97.00	465	153.00	107
44.00	550	72.00	545	104.00	683	155.00	559
45.00	1404	73.00	6820	105.00	373	157.00	124
47.00	1893	74.00	25768	106.00	650	170.00	105
48.00	790	75.00	84528	115.00	381	174.00	146304
49.00	6249	76.00	7076	116.00	522	175.00	10367
50.00	30496	77.00	1290	117.00	1036	176.00	140416
51.00	9252	78.00	318	118.00	547	177.00	9483
52.00	507	79.00	4191	119.00	778	191.00	11
55.00	291	80.00	1319	128.00	664	208.00	285
56.00	2104	81.00	4051	129.00	102	209.00	70
57.00	4220	82.00	875	130.00	634		
58.00	103	87.00	8191	131.00	218		
60.00	1653	88.00	7767	133.00	39		

Data File: /chem/5972hp59.i/DF060328A59.b/BF060328A59.d
Date : 28-MAR-2006 08:57
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i
Operator: 2473
Column phase: ZB624
Column diameter: 0.32



b. Blank Data

Arranged by type of blank (method, storage, instrument) in chronological order, by instrument. Shall include:

- Tabulated Results (Form I VOA)

- Tentatively Identified Compounds (Form I VOA-TIC)

- Reconstructed Ion Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

- Quantitation/Calculation of TIC concentrations.

- GC/MS library search spectra for TICs.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKLG

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97515

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97515B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

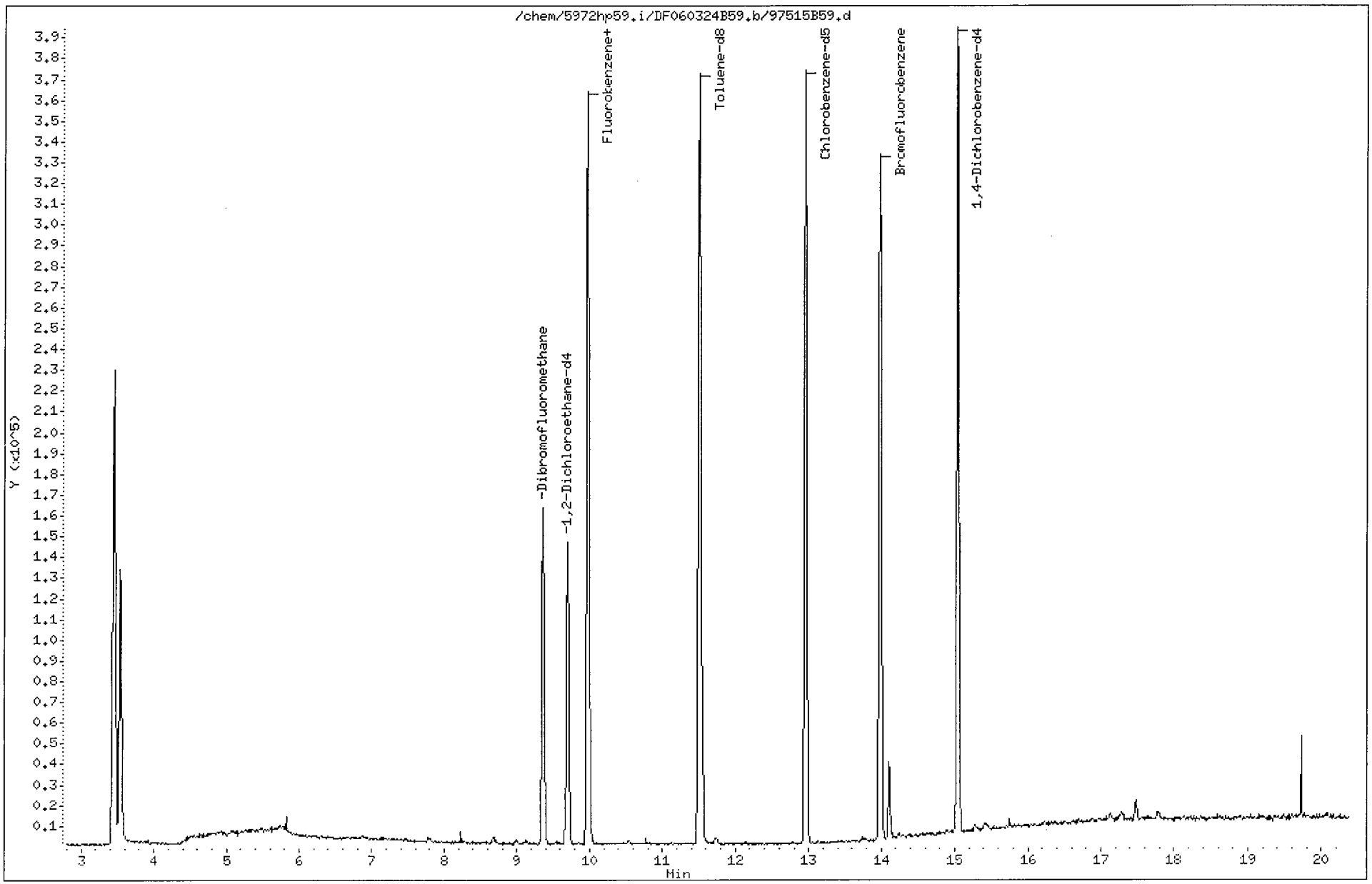
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060324B59.b/97515B59.d
Date : 24-MAR-2006 23:01
Client ID: VBLKLG
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/97515B59.d
Report Date: 27-Mar-2006 06:02

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/97515B59.d
Lab Smp Id: 97515 Client Smp ID: VBLKLG
Inj Date : 24-MAR-2006 23:01
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.981	9.980	(1.000)	444395	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.963	(1.000)	291185	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.051	15.040	(1.000)	139661	250.000	
$ 4 Dibromofluoromethane	113	9.361	9.360	(0.938)	126051	219.663	44
$ 5 1,2-Dichloroethane-d4	65	9.695	9.694	(0.971)	131582	218.855	44
$ 6 Toluene-d8	98	11.517	11.516	(0.888)	387182	221.804	44
$ 7 Bromofluorobenzene	95	13.988	13.987	(0.929)	156679	212.470	42
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

3/27/06

Data File: /chem/5972hp59.i/DF060324B59.b/97515B59.d
Report Date: 27-Mar-2006 06:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

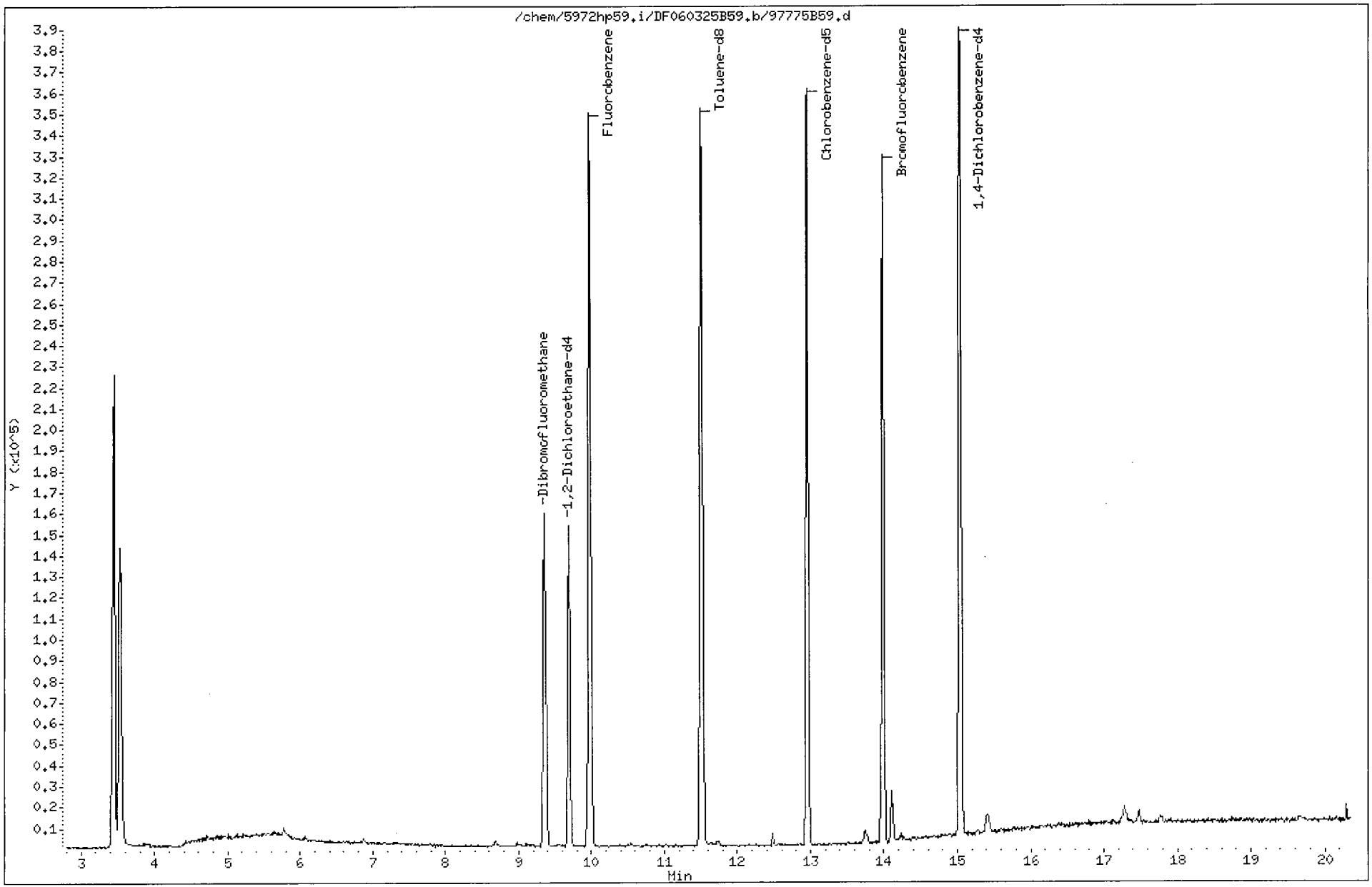
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Date : 25-MAR-2006 21:41
Client ID: VBLKMP
Instrument: 5972hp59.i
Sample Info: 97775:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Report Date: 28-Mar-2006 05:15

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/97775B59.d
Lab Smp Id: 97775 Client Smp ID: VBLKMP
Inj Date : 25-MAR-2006 21:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97775:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.977	9.976	(1.000)	422387	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.959	(1.000)	275739	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.046	(1.000)	132298	250.000	
$ 4 Dibromofluoromethane	113	9.357	9.356	(0.938)	122271	224.178	45
$ 5 1,2-Dichloroethane-d4	65	9.691	9.690	(0.971)	134971	236.189	47
$ 6 Toluene-d8	98	11.513	11.512	(0.888)	369329	223.429	45
$ 7 Bromofluorobenzene	95	13.984	13.983	(0.929)	157470	225.428	45
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Report Date: 28-Mar-2006 05:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKND

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97798

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97798A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

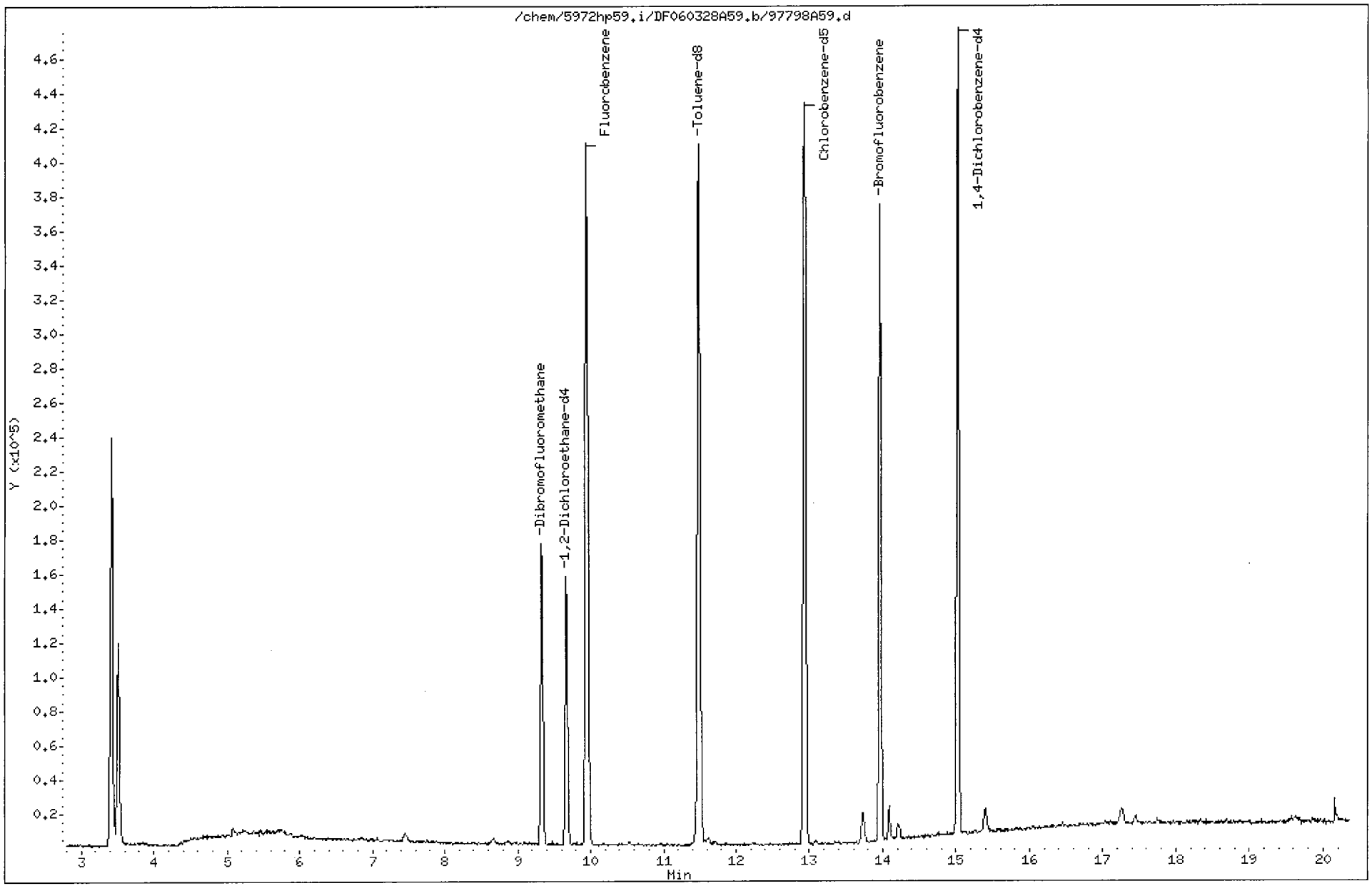
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328A59.b/97798A59.d
Date : 28-MAR-2006 10:07
Client ID: VBLKND
Instrument: 5972hp59.i
Sample Info: 97798:2473
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/97798A59.d
Report Date: 29-Mar-2006 04:10

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/97798A59.d
Lab Smp Id: 97798 Client Smp ID: VBLKND
Inj Date : 28-MAR-2006 10:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 97798:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.952	9.953	(1.000)	488195	250.000	
* 2 Chlorobenzene-d5	117	12.935	12.936	(1.000)	335243	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.022	15.023	(1.000)	165659	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.332	(0.938)	135755	215.349	43
$ 5 1,2-Dichloroethane-d4	65	9.667	9.667	(0.971)	136576	206.781	41
$ 6 Toluene-d8	98	11.488	11.488	(0.888)	437127	217.506	44
$ 7 Bromofluorobenzene	95	13.969	13.969	(0.930)	186590	213.322	43
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328A59.b/97798A59.d
Report Date: 29-Mar-2006 04:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328A59.b/97798A59.d
Report Date: 29-Mar-2006 04:10

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/97798A59.d
Lab Smp Id: 97798 Client Smp ID: VBLKND
Inj Date : 28-MAR-2006 10:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 97798:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

c. Laboratory Control Sample Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLGLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97518

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97518B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	57	
75-01-4	Vinyl Chloride	52	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	51	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	49	
78-93-3	2-butanone	130	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon Tetrachloride	55	
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	51	
127-18-4	Tetrachloroethene	59	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	52	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLGLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97518

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97518B59

Level: (low/med) LOW Date Received: _____

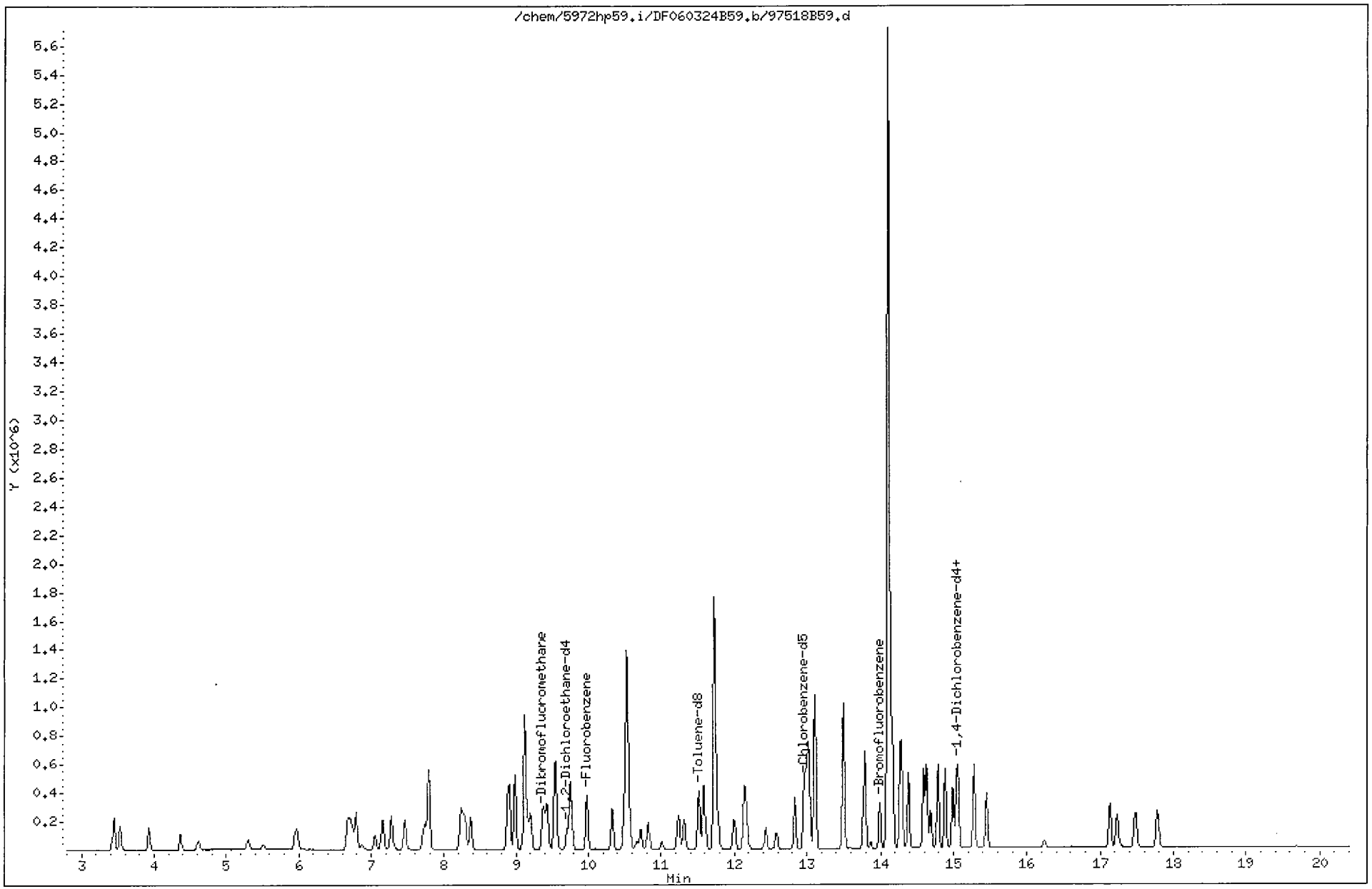
% Moisture: not dec. _____ Date Analyzed: 03/24/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	59	
100-42-5	Styrene	55	
75-25-2	Bromoform	52	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	54	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	57	
95-50-1	1,2-Dichlorobenzene	57	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	180	
79-20-9	Methyl acetate	55	
110-82-7	Cyclohexane	70	
108-87-2	Methylcyclohexane	76	

Data File: /chem/5972hp59.i/DF060324B59.b/97518B59.d
Date : 24-MAR-2006 23:38
Client ID: VLGLCS
Instrument: 5972hp59.i
Sample Info: 97518:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060324B59.b/97518B59.d
Report Date: 27-Mar-2006 04:32

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060324B59.b/97518B59.d
Lab Smp Id: 97518 Client Smp ID: VLGLCS
Inj Date : 24-MAR-2006 23:38
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97518:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060324B59.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:45 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.975	9.980	(1.000)	434811	250.000	
* 2 Chlorobenzene-d5	117	12.958	12.963	(1.000)	286151	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.045	15.040	(1.000)	136624	250.000	
$ 4 Dibromofluoromethane	113	9.365	9.360	(0.939)	124642	221.995	44
$ 5 1,2-Dichloroethane-d4	65	9.700	9.694	(0.972)	132076	224.519	45
$ 6 Toluene-d8	98	11.511	11.516	(0.888)	389929	227.308	45
$ 7 Bromofluorobenzene	95	13.982	13.987	(0.929)	161610	224.029	45
8 Dichlorodifluoromethane	85	3.930	3.935	(0.394)	210984	283.717	57
9 Chloromethane	50	4.364	4.368	(0.437)	152513	285.717	57
10 Vinyl Chloride	62	4.610	4.614	(0.462)	99276	259.006	52
11 Bromomethane	94	5.309	5.313	(0.532)	84880	241.234	48
12 Chloroethane	64	5.516	5.530	(0.553)	47352	236.125	47
13 Trichlorofluoromethane	101	5.968	5.973	(0.598)	216710	272.520	55
15 1,1-Dichloroethene	96	6.786	6.790	(0.680)	116800	255.986	51
17 Acetone	43	6.874	6.879	(0.689)	65895	656.872	130

Data File: /chem/5972hp59.i/DF060324B59.b/97518B59.d
Report Date: 27-Mar-2006 04:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	6.726	6.731	(0.674)	151419	302.756	61
20	Carbon disulfide	76	7.160	7.154	(0.718)	429703	262.844	53
23	Methyl acetate	43	7.278	7.273	(0.730)	74537	276.226	55
24	Methylene Chloride	84	7.465	7.470	(0.748)	131919	255.167	51
26	trans-1,2-Dichloroethene	96	7.790	7.794	(0.781)	129400	248.742	50
28	Methyl-tert-butyl ether	73	7.731	7.735	(0.775)	302712	258.560	52
29	1,1-Dichloroethane	63	8.292	8.296	(0.831)	242100	261.703	52
33	cis-1,2-Dichloroethene	96	8.902	8.907	(0.892)	135922	247.206	49
37	2-butanone	43	8.883	8.887	(0.890)	104374	649.271	130
40	Chloroform	83	9.198	9.202	(0.922)	237184	259.266	52
41	1,1,1-Trichloroethane	97	9.385	9.389	(0.941)	196987	259.554	52
42	Cyclohexane	56	9.424	9.429	(0.945)	208691	348.470	70
44	Carbon Tetrachloride	117	9.542	9.547	(0.957)	162283	272.747	55
45	1,2-Dichloroethane	62	9.769	9.773	(0.979)	172633	265.090	53
47	Benzene	78	9.749	9.744	(0.977)	462869	253.537	51
48	Trichloroethene	130	10.330	10.325	(1.036)	115742	245.026	49
49	Methylcyclohexane	83	10.497	10.502	(1.052)	189778	379.745	76
50	1,2-Dichloropropane	63	10.566	10.571	(1.059)	124809	260.517	52
54	Bromodichloromethane	83	10.822	10.827	(1.085)	164894	255.389	51
56	cis-1,3-Dichloropropene	75	11.235	11.240	(1.126)	194314	249.832	50
57	4-Methyl-2-pentanone	43	11.314	11.309	(0.873)	224200	662.124	130
58	Toluene	92	11.590	11.595	(0.894)	294378	265.188	53
59	trans-1,3-Dichloropropene	75	11.777	11.782	(0.909)	181324	267.752	54
60	1,1,2-Trichloroethane	97	11.994	11.998	(0.926)	93590	255.903	51
63	Tetrachloroethene	164	12.151	12.146	(0.938)	90869	292.514	59
64	2-hexanone	43	12.131	12.126	(0.936)	159472	669.841	130
65	Dibromochloromethane	129	12.427	12.431	(0.959)	107774	257.494	51
66	1,2-Dibromoethane	107	12.574	12.579	(0.970)	106612	260.104	52
67	Chlorobenzene	112	12.988	12.993	(1.002)	310958	265.763	53
70	Ethylbenzene	106	13.017	13.022	(1.005)	166253	295.738	59
72	m,p-Xylene (part of total)	106	13.106	13.111	(1.011)	412599	591.685	120
74	o-Xylene (part of total)	106	13.490	13.495	(1.041)	197259	285.145	57
75	Styrene	104	13.510	13.504	(1.043)	338823	277.038	55
76	Bromoform	173	13.775	13.770	(1.063)	72004	261.199	52
78	Isopropyl Benzene	105	13.785	13.790	(1.064)	528984	323.844	65
79	1,1,2,2-Tetrachloroethane	83	14.081	14.075	(0.936)	134662	269.240	54
91	1,3-Dichlorobenzene	146	14.996	14.991	(0.997)	231624	294.099	59
93	1,4-Dichlorobenzene	146	15.065	15.070	(1.001)	230167	285.935	57
94	1,2-Dichlorobenzene	146	15.449	15.454	(1.027)	205871	283.964	57
96	1,2-Dibromo-3-Chloropropane	157	16.247	16.241	(1.080)	21376	265.587	53
97	1,2,4-Trichlorobenzene	180	17.133	17.137	(1.139)	148650	308.309	62
M 102	Xylene (total)	106				609858	876.830	180

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl-tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	57	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	58	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	57	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

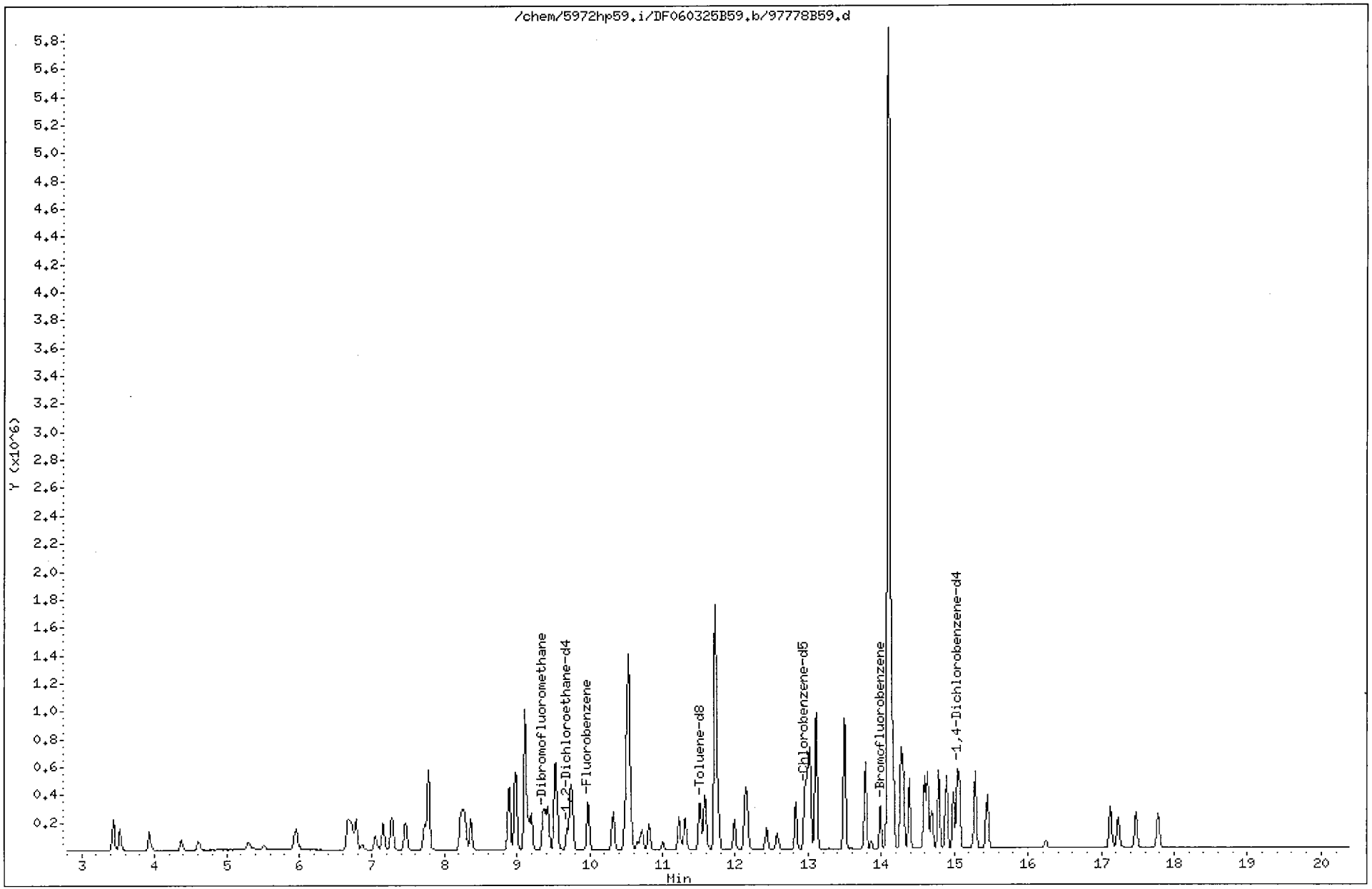
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	56	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	59	
95-50-1	1,2-Dichlorobenzene	58	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	62	
110-82-7	Cyclohexane	72	
108-87-2	Methylcyclohexane	75	

Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Date : 25-MAR-2006 22:18
Client ID: VMPLCS
Sample Info: 97778:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Report Date: 28-Mar-2006 04:53

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/97778B59.d
Lab Smp Id: 97778 Client Smp ID: VMPLCS
Inj Date : 25-MAR-2006 22:18
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97778:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:49 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	9.971	9.976	(1.000)	412616	250.000	
*	2 Chlorobenzene-d5	117	12.954	12.959	(1.000)	272737	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.042	15.046	(1.000)	129364	250.000	
$	4 Dibromofluoromethane	113	9.361	9.356	(0.939)	115973	217.666	44
$	5 1,2-Dichloroethane-d4	65	9.696	9.690	(0.972)	132116	236.667	47
$	6 Toluene-d8	98	11.517	11.512	(0.889)	366586	224.210	45
$	7 Bromofluorobenzene	95	13.988	13.983	(0.930)	153088	224.125	45
	8 Dichlorodifluoromethane	85	3.927	3.931	(0.394)	205950	291.845	58
	9 Chloromethane	50	4.370	4.374	(0.438)	131678	259.954	52
	10 Vinyl Chloride	62	4.606	4.610	(0.462)	96405	265.045	53
	11 Bromomethane	94	5.305	5.309	(0.532)	79841	238.980	48
	12 Chloroethane	64	5.521	5.516	(0.554)	46176	243.092	49
	13 Trichlorofluoromethane	101	5.955	5.959	(0.597)	203473	269.638	54
	15 1,1-Dichloroethene	96	6.782	6.786	(0.680)	106643	246.298	49
	17 Acetone	43	6.870	6.875	(0.689)	77070	817.624	160

3280

Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Report Date: 28-Mar-2006 04:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.723	6.717	(0.674)	144086	303.591	61
20 Carbon disulfide	76	7.146	7.150	(0.717)	407681	262.787	53
23 Methyl acetate	43	7.274	7.269	(0.729)	79571	310.744	62
24 Methylene Chloride	84	7.461	7.465	(0.748)	125055	254.902	51
26 trans-1,2-Dichloroethene	96	7.786	7.790	(0.781)	121907	246.944	49
28 Methyl-tert-butyl ether	73	7.727	7.731	(0.775)	307202	276.510	55
29 1,1-Dichloroethane	63	8.288	8.292	(0.831)	233683	266.193	53
33 cis-1,2-Dichloroethene	96	8.898	8.903	(0.892)	129222	247.662	50
37 2-butanone	43	8.879	8.873	(0.890)	114635	751.459	150
40 Chloroform	83	9.194	9.198	(0.922)	232341	267.633	54
41 1,1,1-Trichloroethane	97	9.381	9.385	(0.941)	193248	268.324	54
42 Cyclohexane	56	9.430	9.425	(0.946)	204614	360.040	72
44 Carbon Tetrachloride	117	9.538	9.543	(0.957)	159702	282.847	57
45 1,2-Dichloroethane	62	9.765	9.769	(0.979)	179097	289.810	58
47 Benzene	78	9.745	9.740	(0.977)	447879	258.523	52
48 Trichloroethene	130	10.316	10.320	(1.035)	108251	241.495	48
49 Methylcyclohexane	83	10.493	10.498	(1.052)	178716	376.847	75
50 1,2-Dichloropropane	63	10.562	10.567	(1.059)	120396	264.824	53
54 Bromodichloromethane	83	10.818	10.823	(1.085)	163948	267.583	54
56 cis-1,3-Dichloropropene	75	11.232	11.236	(1.126)	195540	264.932	53
57 4-Methyl-2-pentanone	43	11.310	11.315	(0.873)	245467	760.585	150
58 Toluene	92	11.586	11.591	(0.894)	279890	264.538	53
59 trans-1,3-Dichloropropene	75	11.773	11.778	(0.909)	183114	283.694	57
60 1,1,2-Trichloroethane	97	11.990	11.994	(0.926)	94456	270.974	54
63 Tetrachloroethene	164	12.147	12.142	(0.938)	84990	287.045	57
64 2-hexanone	43	12.127	12.132	(0.936)	176674	778.594	160
65 Dibromochloromethane	129	12.423	12.427	(0.959)	102774	257.625	52
66 1,2-Dibromoethane	107	12.570	12.575	(0.970)	107115	274.184	55
67 Chlorobenzene	112	12.984	12.988	(1.002)	296864	266.196	53
70 Ethylbenzene	106	13.014	13.018	(1.005)	156335	291.773	58
72 m,p-Xylene (part of total)	106	13.112	13.107	(1.012)	392154	590.025	120
74 o-Xylene (part of total)	106	13.496	13.491	(1.042)	187685	284.649	57
75 Styrene	104	13.506	13.500	(1.043)	327598	281.034	56
76 Bromoform	173	13.772	13.766	(1.063)	72048	274.213	55
78 Isopropyl Benzene	105	13.781	13.786	(1.064)	502626	322.842	65
79 1,1,2,2-Tetrachloroethane	83	14.077	14.071	(0.936)	138180	291.778	58
91 1,3-Dichlorobenzene	146	14.992	14.987	(0.997)	218574	293.105	59
93 1,4-Dichlorobenzene	146	15.071	15.066	(1.002)	222957	292.522	59
94 1,2-Dichlorobenzene	146	15.445	15.450	(1.027)	200462	292.021	58
96 1,2-Dibromo-3-Chloropropane	157	16.243	16.237	(1.080)	21740	285.268	57
97 1,2,4-Trichlorobenzene	180	17.129	17.133	(1.139)	140897	308.629	62
M 102 Xylene (total)	106				579839	874.674	170

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97821

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97821RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	55	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	59	
75-15-0	Carbon disulfide	57	
76-13-1	1,1,2-trichloro-1,2,2-triflu	68	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	56	
156-60-5	trans-1,2-Dichloroethene	57	
1634-04-4	Methyl-tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	56	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	120	
67-66-3	Chloroform	57	
71-55-6	1,1,1-Trichloroethane	58	
56-23-5	Carbon Tetrachloride	61	
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	57	
78-87-5	1,2-Dichloropropane	55	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	56	
127-18-4	Tetrachloroethene	68	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	59	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97821

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97821RA59

Level: (low/med) LOW Date Received: _____

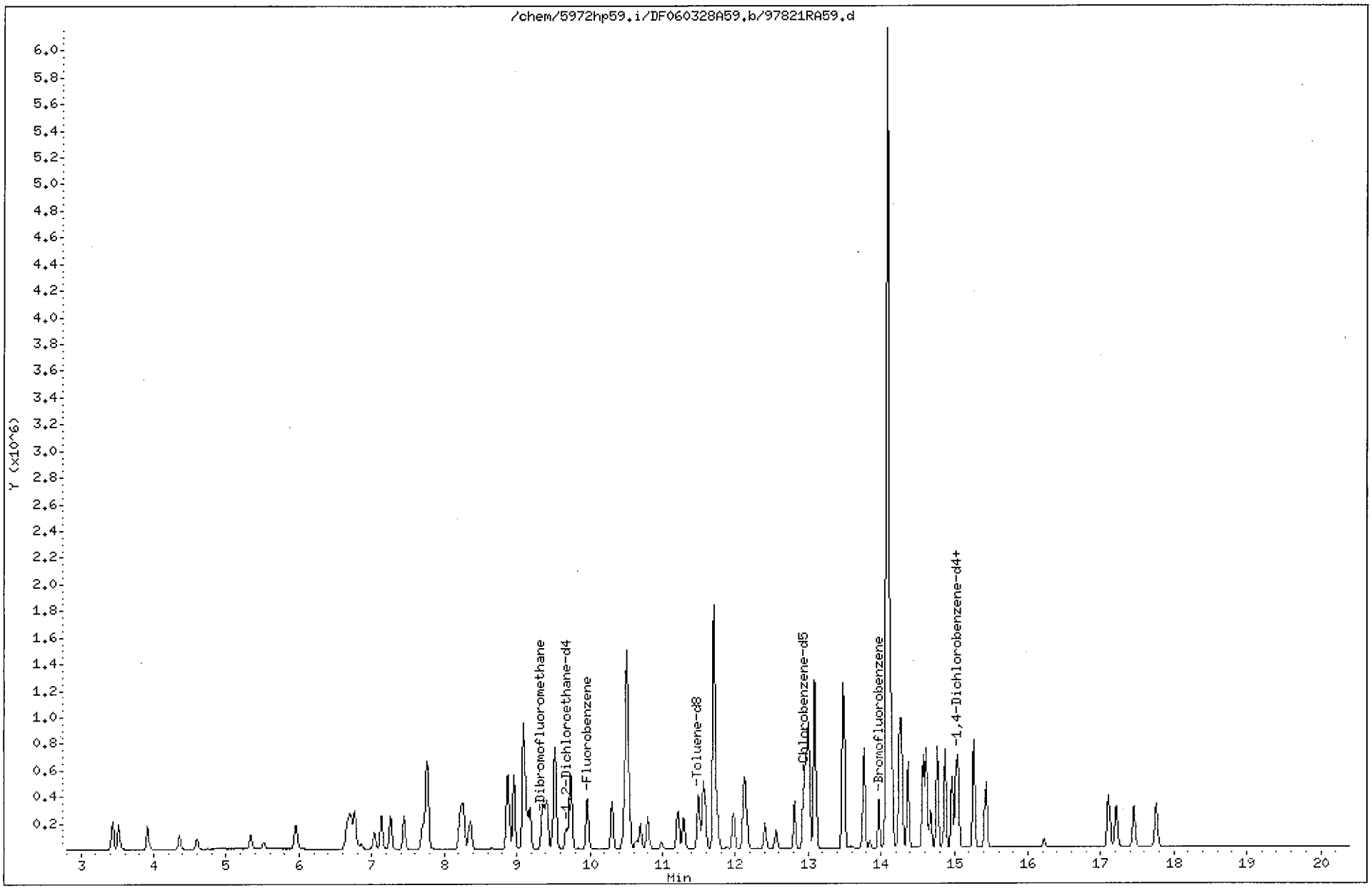
% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	67	
100-42-5	Styrene	62	
75-25-2	Bromoform	56	
98-82-8	Isopropyl Benzene	67	
79-34-5	1,1,2,2-Tetrachloroethane	54	
541-73-1	1,3-Dichlorobenzene	65	
106-46-7	1,4-Dichlorobenzene	64	
95-50-1	1,2-Dichlorobenzene	63	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	72	
1330-20-7	Xylene (total)	200	
79-20-9	Methyl acetate	53	
110-82-7	Cyclohexane	73	
108-87-2	Methylcyclohexane	86	

Data File: /chem/5972hp59.i/DF060328A59.b/97821RA59.d
Date : 28-MAR-2006 12:50
Client ID: VNDLCS
Instrument: 5972hp59.i
Sample Info: 97821:2473
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/97821RA59.d
Report Date: 29-Mar-2006 03:40

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/97821RA59.d
Lab Smp Id: 97821 Client Smp ID: VNDLCS
Inj Date : 28-MAR-2006 12:50
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 97821:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.967	9.953	(1.000)	501169	250.000	
* 2 Chlorobenzene-d5	117	12.941	12.936	(1.000)	328554	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.028	15.023	(1.000)	159133	250.000	
$ 4 Dibromofluoromethane	113	9.337	9.332	(0.937)	144492	223.275	45
$ 5 1,2-Dichloroethane-d4	65	9.682	9.667	(0.971)	141040	208.011	42
$ 6 Toluene-d8	98	11.493	11.488	(0.888)	440290	223.540	45
$ 7 Bromofluorobenzene	95	13.964	13.969	(0.929)	184220	219.250	44
8 Dichlorodifluoromethane	85	3.913	3.908	(0.393)	242991	283.493	57
9 Chloromethane	50	4.346	4.351	(0.436)	154204	250.634	50
10 Vinyl Chloride	62	4.592	4.587	(0.461)	123251	278.980	56
11 Bromomethane	94	5.340	5.266	(0.536)	111046	276.069	55
12 Chloroethane	64	5.517	5.483	(0.554)	61228	266.953	53
13 Trichlorofluoromethane	101	5.960	5.936	(0.598)	261117	284.886	57
15 1,1-Dichloroethene	96	6.778	6.763	(0.680)	153891	292.620	59
17 Acetone	43	6.846	6.842	(0.687)	73833	637.581	130

Data File: /chem/5972hp59.i/DF060328A59.b/97821RA59.d
Report Date: 29-Mar-2006 03:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	6.718	6.704	(0.674)	195573	339.264	68
20	Carbon disulfide	76	7.142	7.127	(0.717)	533114	282.921	57
23	Methyl acetate	43	7.250	7.245	(0.727)	82879	266.473	53
24	Methylene Chloride	84	7.447	7.432	(0.747)	168167	282.211	56
26	trans-1,2-Dichloroethene	96	7.772	7.757	(0.780)	170143	283.756	57
28	Methyl-tert-butyl ether	73	7.713	7.698	(0.774)	356252	264.001	53
29	1,1-Dichloroethane	63	8.274	8.259	(0.830)	296991	278.531	56
33	cis-1,2-Dichloroethene	96	8.884	8.879	(0.891)	177896	280.706	56
37	2-butanone	43	8.855	8.860	(0.888)	113385	611.935	120
40	Chloroform	83	9.180	9.175	(0.921)	299632	284.161	57
41	1,1,1-Trichloroethane	97	9.367	9.362	(0.940)	254235	290.631	58
42	Cyclohexane	56	9.416	9.401	(0.945)	253295	366.948	73
44	Carbon Tetrachloride	117	9.524	9.519	(0.956)	210286	306.630	61
45	1,2-Dichloroethane	62	9.751	9.746	(0.978)	203971	271.741	54
47	Benzene	78	9.731	9.726	(0.976)	597846	284.112	57
48	Trichloroethene	130	10.312	10.297	(1.035)	153903	282.673	57
49	Methylcyclohexane	83	10.479	10.474	(1.051)	248102	430.718	86
50	1,2-Dichloropropane	63	10.548	10.543	(1.058)	151810	274.921	55
54	Bromodichloromethane	83	10.804	10.799	(1.084)	220351	296.094	59
56	cis-1,3-Dichloropropene	75	11.218	11.203	(1.125)	244532	272.770	55
57	4-Methyl-2-pentanone	43	11.287	11.282	(0.872)	254864	655.542	130
58	Toluene	92	11.572	11.567	(0.894)	377388	296.091	59
59	trans-1,3-Dichloropropene	75	11.759	11.754	(0.909)	209621	269.588	54
60	1,1,2-Trichloroethane	97	11.976	11.971	(0.925)	118448	282.074	56
63	Tetrachloroethene	164	12.133	12.128	(0.938)	120383	337.509	68
64	2-hexanone	43	12.104	12.109	(0.935)	176445	645.484	130
65	Dibromochloromethane	129	12.409	12.404	(0.959)	142738	297.017	59
66	1,2-Dibromoethane	107	12.557	12.552	(0.970)	129652	275.491	55
67	Chlorobenzene	112	12.970	12.965	(1.002)	388932	289.504	58
70	Ethylbenzene	106	13.000	12.995	(1.005)	214645	332.542	67
72	m,p-Xylene (part of total)	106	13.098	13.093	(1.012)	526775	657.925	130
74	o-Xylene (part of total)	106	13.482	13.477	(1.042)	254105	319.912	64
75	Styrene	104	13.492	13.487	(1.043)	438250	312.087	62
76	Bromoform	173	13.748	13.753	(1.062)	88265	278.864	56
78	Isopropyl Benzene	105	13.767	13.763	(1.064)	625540	333.532	67
79	1,1,2,2-Tetrachloroethane	83	14.063	14.058	(0.936)	158403	271.909	54
91	1,3-Dichlorobenzene	146	14.978	14.973	(0.997)	296221	322.919	65
93	1,4-Dichlorobenzene	146	15.047	15.042	(1.001)	299384	319.315	64
94	1,2-Dichlorobenzene	146	15.431	15.426	(1.027)	266823	315.979	63
96	1,2-Dibromo-3-Chloropropane	157	16.219	16.214	(1.079)	25073	267.456	53
97	1,2,4-Trichlorobenzene	180	17.105	17.100	(1.138)	201281	358.419	72
M 102	Xylene (total)	106				780880	977.837	200

d. Matrix Spike Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97521

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97521A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	54	
74-87-3	Chloromethane	49	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	50	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	52	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl-tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	52	
78-93-3	2-butanone	110	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	53	
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	53	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97521

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97521A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

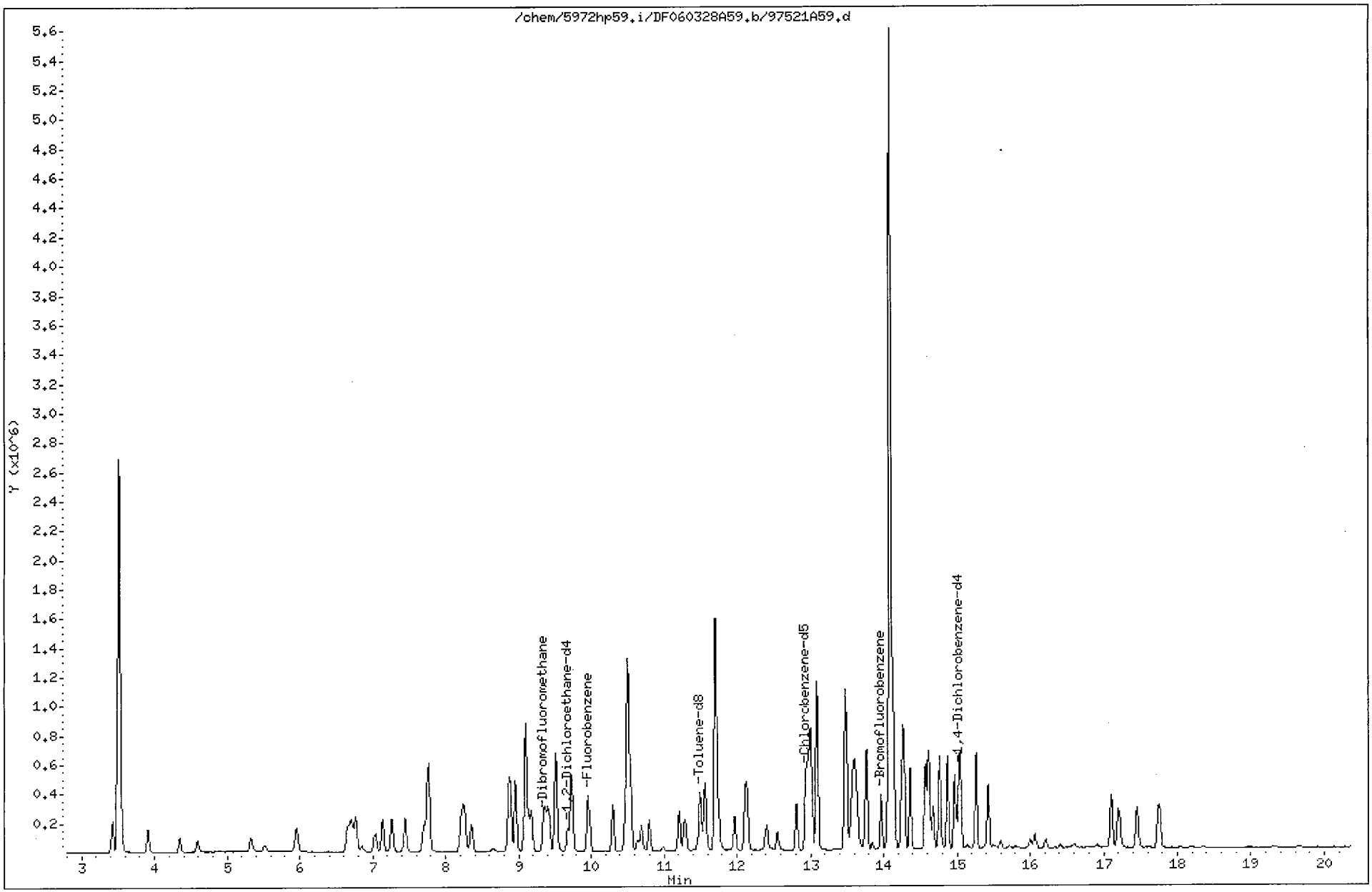
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	54	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	53	
98-82-8	Isopropyl Benzene	63	
79-34-5	1,1,2,2-Tetrachloroethane	52	
541-73-1	1,3-Dichlorobenzene	60	
106-46-7	1,4-Dichlorobenzene	60	
95-50-1	1,2-Dichlorobenzene	60	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	65	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	50	
110-82-7	Cyclohexane	60	
108-87-2	Methylcyclohexane	69	

Data File: /chem/5972hp59.i/DF060328A59.b/97521A59.d
Date : 28-MAR-2006 11:17
Client ID: ACSGWMW17-27MS
Sample Info: 97521:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/97521A59.d
Report Date: 29-Mar-2006 04:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/97521A59.d
Lab Smp Id: 97521 Client Smp ID: ACSGWMW17-27MS
Inj Date : 28-MAR-2006 11:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 97521:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.959	9.953	(1.000)	490293	250.000	
* 2 Chlorobenzene-d5	117	12.942	12.936	(1.000)	324284	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.020	15.023	(1.000)	156628	250.000	
$ 4 Dibromofluoromethane	113	9.339	9.332	(0.938)	138508	218.776	44
$ 5 1,2-Dichloroethane-d4	65	9.674	9.667	(0.971)	142083	214.198	43
$ 6 Toluene-d8	98	11.495	11.488	(0.888)	435352	223.944	45
$ 7 Bromofluorobenzene	95	13.966	13.969	(0.930)	183522	221.912	44
8 Dichlorodifluoromethane	85	3.915	3.908	(0.393)	225595	269.036	54
9 Chloromethane	50	4.348	4.351	(0.437)	145977	242.526	49
10 Vinyl Chloride	62	4.594	4.587	(0.461)	109563	253.498	51
11 Bromomethane	94	5.332	5.266	(0.535)	98217	247.969	50
12 Chloroethane	64	5.519	5.483	(0.554)	55140	244.374	49
13 Trichlorofluoromethane	101	5.953	5.936	(0.598)	244303	272.454	54
15 1,1-Dichloroethene	96	6.770	6.763	(0.680)	126472	245.818	49
17 Acetone	43	6.848	6.842	(0.688)	68575	603.550	120

Data File: /chem/5972hp59.i/DF060328A59.b/97521A59.d
Report Date: 29-Mar-2006 04:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	6.711	6.704	(0.674)	161394	286.184	57
20	Carbon disulfide	76	7.134	7.127	(0.716)	461397	250.293	50
23	Methyl acetate	43	7.252	7.245	(0.728)	75827	249.208	50
24	Methylene Chloride	84	7.439	7.432	(0.747)	152122	260.948	52
26	trans-1,2-Dichloroethene	96	7.764	7.757	(0.780)	147365	251.220	50
28	Methyl-tert-butyl ether	73	7.705	7.698	(0.774)	335552	254.177	51
29	1,1-Dichloroethane	63	8.266	8.259	(0.830)	263871	252.959	51
33	cis-1,2-Dichloroethene	96	8.886	8.879	(0.892)	161569	260.599	52
37	2-butanone	43	8.857	8.860	(0.889)	104021	573.851	110
40	Chloroform	83	9.182	9.175	(0.922)	269418	261.175	52
41	1,1,1-Trichloroethane	97	9.369	9.362	(0.941)	217812	254.517	51
42	Cyclohexane	56	9.408	9.401	(0.945)	203893	301.932	60
44	Carbon Tetrachloride	117	9.526	9.519	(0.956)	177309	264.279	53
45	1,2-Dichloroethane	62	9.743	9.746	(0.978)	192450	262.079	52
47	Benzene	78	9.723	9.726	(0.976)	525013	255.034	51
48	Trichloroethene	130	10.304	10.297	(1.035)	136798	256.830	51
49	Methylcyclohexane	83	10.481	10.474	(1.052)	193691	343.717	69
50	1,2-Dichloropropane	63	10.540	10.543	(1.058)	139372	257.995	52
54	Bromodichloromethane	83	10.796	10.799	(1.084)	191172	262.583	53
56	cis-1,3-Dichloropropene	75	11.210	11.203	(1.126)	229944	262.187	52
57	4-Methyl-2-pentanone	43	11.289	11.282	(0.872)	232494	605.878	120
58	Toluene	92	11.564	11.567	(0.894)	335469	266.668	53
59	trans-1,3-Dichloropropene	75	11.751	11.754	(0.908)	205005	267.123	53
60	1,1,2-Trichloroethane	97	11.968	11.971	(0.925)	110241	265.986	53
63	Tetrachloroethene	164	12.125	12.128	(0.937)	100772	286.247	57
64	2-hexanone	43	12.106	12.109	(0.935)	168151	623.242	120
65	Dibromochloromethane	129	12.411	12.404	(0.959)	127353	268.492	54
66	1,2-Dibromoethane	107	12.559	12.552	(0.970)	121945	262.527	53
67	Chlorobenzene	112	12.962	12.965	(1.002)	360599	271.948	54
70	Ethylbenzene	106	12.992	12.995	(1.004)	184994	290.379	58
72	m,p-Xylene (part of total)	106	13.090	13.093	(1.011)	460688	582.961	120
74	o-Xylene (part of total)	106	13.474	13.477	(1.041)	226441	288.838	58
75	Styrene	104	13.484	13.487	(1.042)	398951	287.843	58
76	Bromoform	173	13.750	13.753	(1.062)	83295	266.627	53
78	Isopropyl Benzene	105	13.769	13.763	(1.064)	581436	314.098	63
79	1,1,2,2-Tetrachloroethane	83	14.055	14.058	(0.936)	148965	259.798	52
91	1,3-Dichlorobenzene	146	14.971	14.973	(0.997)	271160	300.327	60
93	1,4-Dichlorobenzene	146	15.049	15.042	(1.002)	274950	297.944	60
94	1,2-Dichlorobenzene	146	15.433	15.426	(1.028)	250585	301.496	60
96	1,2-Dibromo-3-Chloropropane	157	16.221	16.214	(1.080)	23438	254.014	51
97	1,2,4-Trichlorobenzene	180	17.107	17.100	(1.139)	179703	325.113	65
M 102	Xylene (total)	106				687129	871.798	170

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97522

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97522A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	47	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	50	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-tert-butyl ether	54	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	53	
78-93-3	2-butanone	120	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	130	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	55	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 97522

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97522A59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

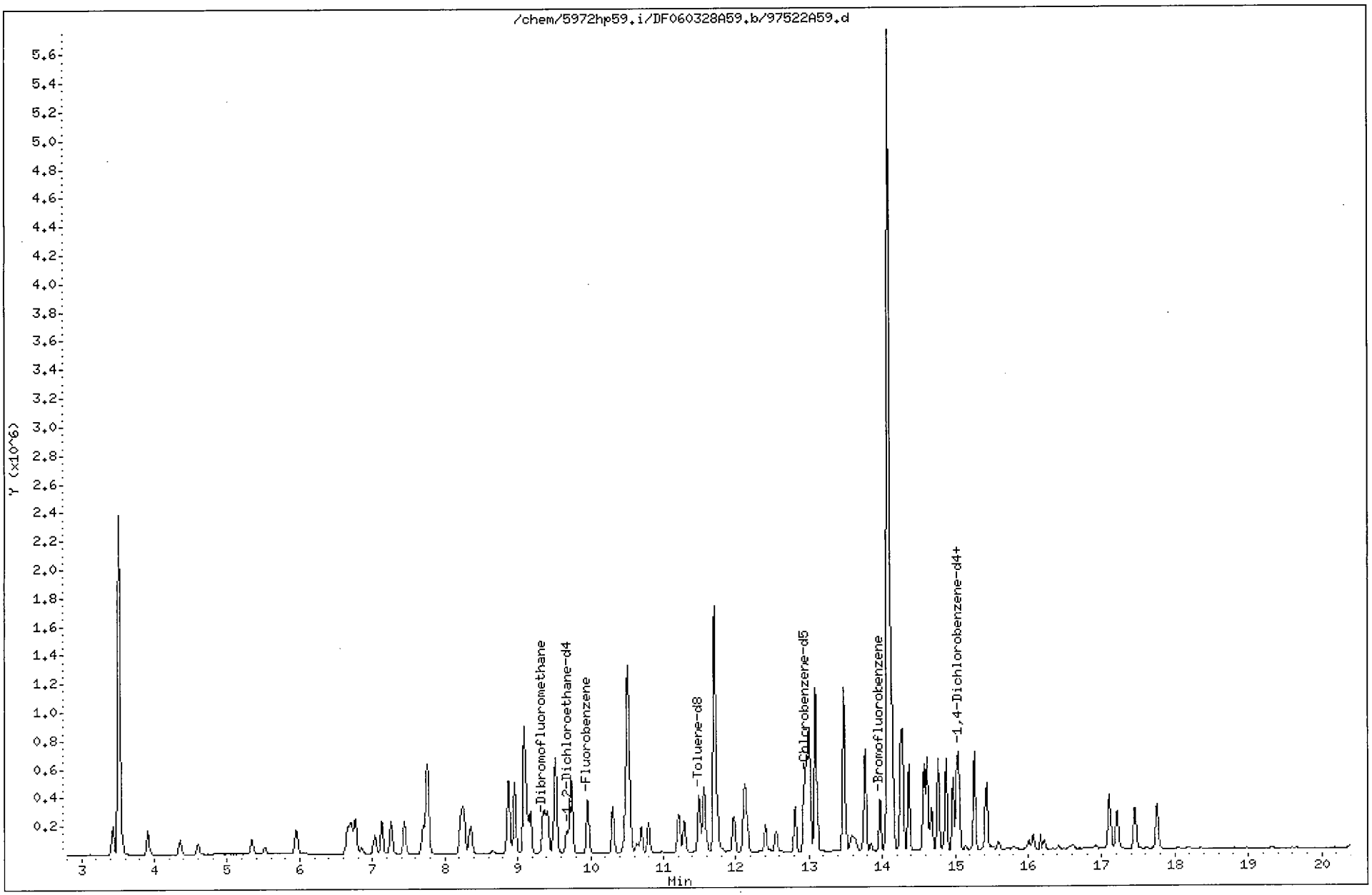
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	63	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	61	
95-50-1	1,2-Dichlorobenzene	61	
96-12-8	1,2-Dibromo-3-Chloropropane	56	
120-82-1	1,2,4-Trichlorobenzene	65	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	51	
110-82-7	Cyclohexane	59	
108-87-2	Methylcyclohexane	68	

Data File: /chem/5972hp59.i/DF060328A59.b/97522A59.d
Date : 28-MAR-2006 11:45
Client ID: ACSGWMW17-27MSD
Sample Info: 97522:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328A59.b/97522A59.d
Report Date: 29-Mar-2006 04:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328A59.b/97522A59.d
Lab Smp Id: 97522 Client Smp ID: ACSGWMW17-27MSD
Inj Date : 28-MAR-2006 11:45
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 97522:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328A59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 03:37 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.957	9.953	(1.000)	494561	250.000	
* 2 Chlorobenzene-d5	117	12.940	12.936	(1.000)	327506	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.027	15.023	(1.000)	159614	250.000	
$ 4 Dibromofluoromethane	113	9.337	9.332	(0.938)	140488	219.988	44
$ 5 1,2-Dichloroethane-d4	65	9.672	9.667	(0.971)	136715	204.327	41
$ 6 Toluene-d8	98	11.493	11.488	(0.888)	438685	223.438	45
$ 7 Bromofluorobenzene	95	13.964	13.969	(0.929)	184400	218.803	44
8 Dichlorodifluoromethane	85	3.912	3.908	(0.393)	225716	266.857	53
9 Chloromethane	50	4.346	4.351	(0.436)	143199	235.857	47
10 Vinyl Chloride	62	4.592	4.587	(0.461)	111904	256.680	51
11 Bromomethane	94	5.330	5.266	(0.535)	100549	251.909	50
12 Chloroethane	64	5.517	5.483	(0.554)	54945	241.210	48
13 Trichlorofluoromethane	101	5.950	5.936	(0.598)	248869	275.151	55
15 1,1-Dichloroethene	96	6.767	6.763	(0.680)	127313	245.317	49
17 Acetone	43	6.846	6.842	(0.688)	71306	623.245	120

Data File: /chem/5972hp59.i/DF060328A59.b/97522A59.d
Report Date: 29-Mar-2006 04:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.718	6.704	(0.675)	161255	283.470	57
20 Carbon disulfide	76	7.132	7.127	(0.716)	467014	251.154	50
23 Methyl acetate	43	7.250	7.245	(0.728)	78006	254.157	51
24 Methylene Chloride	84	7.447	7.432	(0.748)	155520	264.475	53
26 trans-1,2-Dichloroethene	96	7.772	7.757	(0.780)	152857	258.333	52
28 Methyl-tert-butyl ether	73	7.713	7.698	(0.775)	356223	267.507	54
29 1,1-Dichloroethane	63	8.274	8.259	(0.831)	267991	254.692	51
33 cis-1,2-Dichloroethene	96	8.884	8.879	(0.892)	165633	264.848	53
37 2-butanone	43	8.855	8.860	(0.889)	110884	606.433	120
40 Chloroform	83	9.179	9.175	(0.922)	275108	264.389	53
41 1,1,1-Trichloroethane	97	9.367	9.362	(0.941)	219880	254.716	51
42 Cyclohexane	56	9.416	9.401	(0.946)	202439	297.191	59
44 Carbon Tetrachloride	117	9.524	9.519	(0.956)	177569	262.383	52
45 1,2-Dichloroethane	62	9.750	9.746	(0.979)	196121	264.774	53
47 Benzene	78	9.731	9.726	(0.977)	539048	259.592	52
48 Trichloroethene	130	10.302	10.297	(1.035)	140565	261.625	52
49 Methylcyclohexane	83	10.479	10.474	(1.052)	193254	339.982	68
50 1,2-Dichloropropane	63	10.548	10.543	(1.059)	142175	260.912	52
54 Bromodichloromethane	83	10.804	10.799	(1.085)	196852	268.051	54
56 cis-1,3-Dichloropropene	75	11.208	11.203	(1.126)	239379	270.590	54
57 4-Methyl-2-pentanone	43	11.286	11.282	(0.872)	247618	638.942	130
58 Toluene	92	11.572	11.567	(0.894)	339617	267.309	53
59 trans-1,3-Dichloropropene	75	11.759	11.754	(0.909)	212594	274.287	55
60 1,1,2-Trichloroethane	97	11.975	11.971	(0.925)	114818	274.304	55
63 Tetrachloroethene	164	12.123	12.128	(0.937)	101422	285.259	57
64 2-hexanone	43	12.103	12.109	(0.935)	174068	638.826	130
65 Dibromochloromethane	129	12.409	12.404	(0.959)	130420	272.253	54
66 1,2-Dibromoethane	107	12.556	12.552	(0.970)	127968	272.783	55
67 Chlorobenzene	112	12.970	12.965	(1.002)	368394	275.094	55
70 Ethylbenzene	106	12.999	12.995	(1.005)	187413	291.282	58
72 m,p-Xylene (part of total)	106	13.088	13.093	(1.011)	466895	585.003	120
74 o-Xylene (part of total)	106	13.472	13.477	(1.041)	227381	287.183	57
75 Styrene	104	13.492	13.487	(1.043)	402848	287.795	58
76 Bromoform	173	13.748	13.753	(1.062)	87262	276.577	55
78 Isopropyl Benzene	105	13.767	13.763	(1.064)	587246	314.116	63
79 1,1,2,2-Tetrachloroethane	83	14.053	14.058	(0.935)	159481	272.935	55
91 1,3-Dichlorobenzene	146	14.968	14.973	(0.996)	273195	296.920	59
93 1,4-Dichlorobenzene	146	15.047	15.042	(1.001)	286603	304.762	61
94 1,2-Dichlorobenzene	146	15.431	15.426	(1.027)	257314	303.800	61
96 1,2-Dibromo-3-Chloropropane	157	16.219	16.214	(1.079)	26110	277.679	56
97 1,2,4-Trichlorobenzene	180	17.105	17.100	(1.138)	184189	326.995	65
M 102 Xylene (total)	106				694276	872.186	170

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS-89

Collection Date: March 21 through March 23, 2006

LDC Report Date: May 5, 2006

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: CompuChem

Sample Delivery Group (SDG): 9416

Sample Identification

ACSGWTB01-27
ACSGWDUP01-27**
ACSGWMW42-27**
ACSGWMW43-27**
ACSGWMW44-27**
ACSGWMW45-27**
ACSGWTB02-27
ACSGWMW19-27
ACSGWMW06-27
ACSGWMW06-27DL
ACSGWMW17-27
ACSGWMW12-27
ACSGWEB01-27
ACSGWMW28-27
ACSGWDUP02-27
ACSGWMW15-27
ACSGWMW56-27
ACSGWMW56-27DL
ACSGWTB03-27
ACSGWLA15-27
ACSGWDUP03-27
ACSGWLA14-27
ACSGWMW17-27MS
ACSGWMW17-27MSD

**Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 24 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for selected compounds.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990 .

Average relative response factors (RRF) for all system performance check compounds (SPCCs) were within method criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
3/24/06	Cyclohexane Methylcyclohexane	38.01 51.80	ACSGWTB01-27 ACSGWDUP01-27** ACSGWMW42-27** ACSGWMW43-27** ACSGWMW44-27** ACSGWMW45-27** ACSGWTB02-27 ACSGWMW19-27 ACSGWMW06-27 ACSGWMW17-27 ACSGWMW12-27 ACSGWEB01-27 ACSGWMW28-27 ACSGWDUP02-27 ACSGWMW15-27 ACSGWMW56-27 ACSGWTB03-27 ACSGWLA15-27 ACSGWDUP03-27 VBLKLG	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A
3/25/06	Acetone Cyclohexane	29.28 29.99	ACSGWMW06-27DL ACSGWMW56-27DL ACSGWLA14-27 VBLKMP	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values for all system performance check compounds (SPCCs) were within method criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Samples ACSGWTB01-27, ACSGWTB02-27, and ACSGWTB03-27 were identified as trip blanks. No volatile contaminants were found in these blanks.

Samples ACSGWEB01-27 and ACSGWEB02-27 (from SDG 9433) were identified as equipment blanks. No volatile contaminants were found in these blanks with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACSGWEB02-27	3/23/06	cis-1,2-Dichloroethene Toluene Tetrachloroethene	2.9 ug/L 1.9 ug/L 2.4 ug/L	ACSGWLA15-27 ACSGWDUP03-27 ACSGWLA14-27

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
ACSGWDUP03-27	Toluene	0.93 ug/L	5UB ug/L

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
ACSGWMW06-27 ACSGWMW56-27	Benzene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

All tentatively identified compounds were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIV. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples ACSGWDUP01-27** and ACSGWMW43-27**, samples ACSGWMW28-27 and ACSGWDUP02-27, and samples ACSGWDUP03-27 and ACSGWLA14-27 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	ACSGWDUP03-27	ACSGWLA14-27	
Benzene	3.5	3.5	0
Toluene	0.93	5.0U	200
Acetone	13U	11	200

ACS-89
Volatiles - Data Qualification Summary - SDG 9416

SDG	Sample	Compound	Flag	A or P	Reason
9416	ACSGWTB01-27 ACSGWDUP01-27** ACSGWMW42-27** ACSGWMW43-27** ACSGWMW44-27** ACSGWMW45-27** ACSGWTB02-27 ACSGWMW19-27 ACSGWMW06-27 ACSGWMW17-27 ACSGWMW12-27 ACSGWEB01-27 ACSGWMW28-27 ACSGWDUP02-27 ACSGWMW15-27 ACSGWMW56-27 ACSGWTB03-27 ACSGWLA15-27 ACSGWDUP03-27	Cyclohexane Methylcyclohexane	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9416	ACSGWMW06-27DL ACSGWMW56-27DL ACSGWLA14-27	Acetone Cyclohexane	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9416	ACSGWMW06-27 ACSGWMW56-27	Benzene	J (all detects)	A	Compound quantitation and CRQLs

ACS-89
Volatiles - Laboratory Blank Data Qualification Summary - SDG 9416

No Sample Data Qualified in this SDG

ACS-89
Volatiles - Field Blank Data Qualification Summary - SDG 9416

SDG	Sample	Compound	Modified Final Concentration	A or P
9416	ACSGWDUP03-27	Toluene	5UB ug/L	A

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

4/19

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941602B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	6.3	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941614

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941614B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	12	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.5	J-
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.93	J 5UB
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941619

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941619B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.55	14	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	20	NJ
4.		UNKNOWN	8.98	7.1	J
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	89	NJ
6.	123-91-1	1,4-DIOXANE	10.66	23	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

4/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

3/14/07

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941612B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/9/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	11	J	J
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	3.5	J	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941620

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941620B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	15	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	23	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	83	NJ
5.	123-91-1	1,4-DIOXANE	10.66	23	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/12/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941618

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941618B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.86	10	NJ
2.		UNKNOWN	7.54	14	J
3.	646-06-0	1,3-DIOXOLANE	8.99	7.4	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.19	65	NJ
5.	123-91-1	1,4-DIOXANE	10.67	24	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	120	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	1.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	550	E J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	503-17-3	2-BUTYNE	6.19	7.9	NJ
2.	60-29-7	ETHYL ETHER	6.42	42	NJ
3.		UNKNOWN	8.25	7.1	J
4.	1066-40-6	SILANOL, TRIMETHYL-	8.68	19	NJ
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
75-71-8	Dichlorodifluoromethane	20	U	
74-87-3	Chloromethane	20	U	
75-01-4	Vinyl Chloride	20	U	
74-83-9	Bromomethane	20	U	
75-00-3	Chloroethane	100	D	
75-69-4	Trichlorofluoromethane	20	U	
75-35-4	1,1-Dichloroethene	20	U	
75-15-0	Carbon disulfide	20	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	20	U	
67-64-1	Acetone	50	U	UJ
75-09-2	Methylene Chloride	20	U	
156-60-5	trans-1,2-Dichloroethene	20	U	
1634-04-4	Methyl-tert-butyl ether	20	U	
75-34-3	1,1-Dichloroethane	20	U	
156-59-2	cis-1,2-Dichloroethene	20	U	
78-93-3	2-butanone	50	U	
67-66-3	Chloroform	20	U	
71-55-6	1,1,1-Trichloroethane	20	U	
56-23-5	Carbon Tetrachloride	20	U	
71-43-2	Benzene	590	D	
107-06-2	1,2-Dichloroethane	20	U	
79-01-6	Trichloroethene	20	U	
78-87-5	1,2-Dichloropropane	20	U	
75-27-4	Bromodichloromethane	20	U	
10061-01-5	cis-1,3-Dichloropropene	20	U	
108-10-1	4-Methyl-2-pentanone	50	U	
108-88-3	Toluene	20	U	
10061-02-6	trans-1,3-Dichloropropene	20	U	
79-00-5	1,1,2-Trichloroethane	20	U	
127-18-4	Tetrachloroethene	20	U	
591-78-6	2-hexanone	50	U	
124-48-1	Dibromochloromethane	20	U	
106-93-4	1,2-Dibromoethane	20	U	

FORM I VOA

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropyl Benzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
1330-20-7	Xylene (total)	20	U
79-20-9	Methyl acetate	20	U
110-82-7	Cyclohexane	20	U UJ
108-87-2	Methylcyclohexane	20	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW06-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941609DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.41	47	NJD
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

3/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

JJ 4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	3.2	J
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941611B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	15.51	15	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	1.1	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW15-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941615

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941615B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	9.4	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

E 5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW17-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941610B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.62	7.5	NJ
3.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	16.04	9.3	NJ
4.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	16.10	15	NJ
5.		SUBSTITUTED BENZENE	16.94	6.5	J
6.	53172-84-2	BENZENE, (1-METHYL-1-BUTENYL	17.14	5.9	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

3/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	8.9	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	6.1	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

3/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW19-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941608B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.69	27	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

941608

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW28-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941613B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

3/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW42-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941603B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	7.0	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

8/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW43-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941604B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.69	8.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

8/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

3/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW44-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941605B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	8.4	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	1.1	J J
108-87-2	Methylcyclohexane	5.0	U UJ

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW45-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941606B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	320	E	J
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.68	11	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	13	U	
74-87-3	Chloromethane	13	U	
75-01-4	Vinyl Chloride	13	U	
74-83-9	Bromomethane	13	U	
75-00-3	Chloroethane	13	U	
75-69-4	Trichlorofluoromethane	13	U	
75-35-4	1,1-Dichloroethene	13	U	
75-15-0	Carbon disulfide	13	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	13	U	
67-64-1	Acetone	31	U	UJ
75-09-2	Methylene Chloride	13	U	
156-60-5	trans-1,2-Dichloroethene	13	U	
1634-04-4	Methyl-tert-butyl ether	13	U	
75-34-3	1,1-Dichloroethane	13	U	
156-59-2	cis-1,2-Dichloroethene	13	U	
78-93-3	2-butanone	31	U	
67-66-3	Chloroform	13	U	
71-55-6	1,1,1-Trichloroethane	13	U	
56-23-5	Carbon Tetrachloride	13	U	
71-43-2	Benzene	320	D	
107-06-2	1,2-Dichloroethane	13	U	
79-01-6	Trichloroethene	13	U	
78-87-5	1,2-Dichloropropane	13	U	
75-27-4	Bromodichloromethane	13	U	
10061-01-5	cis-1,3-Dichloropropene	13	U	
108-10-1	4-Methyl-2-pentanone	31	U	
108-88-3	Toluene	13	U	
10061-02-6	trans-1,3-Dichloropropene	13	U	
79-00-5	1,1,2-Trichloroethane	13	U	
127-18-4	Tetrachloroethene	13	U	
591-78-6	2-hexanone	31	U	
124-48-1	Dibromochloromethane	13	U	
106-93-4	1,2-Dibromoethane	13	U	

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropyl Benzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-Chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
1330-20-7	Xylene (total)	13	U
79-20-9	Methyl acetate	13	U
110-82-7	Cyclohexane	13	U UJ
108-87-2	Methylcyclohexane	13	U

FORM I VOA

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW56-27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941616

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941616DB59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

4/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

9/5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB01-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941601B59

Level: (low/med) LOW Date Received: 03/22/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941607B59

Level: (low/med) LOW Date Received: 03/23/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U us
108-87-2	Methylcyclohexane	5.0	U us

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9416

Matrix: (soil/water) WATER Lab Sample ID: 941617

Sample wt/vol: 5 (g/ml) ML Lab File ID: 941617B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5L4/62

LDC #: 14869A1
SDG #: 9416
Laboratory: CompuChem

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 5/3/06
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/21 → 3/23/06
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2 ≥0.990
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	SW	Not reviewed for Level III validation.
XIII.	Tentatively identified compounds (TICs)	A	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	*D = 2 + 4 *D_1 = 15 + 16 D_2 = 22 + 23
XVII.	Field blanks	SW	*TB = 1, *7, *20 *EB = 14

EB = ACSGWEB02-27
SDG # 9433

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
* ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation
water

−1 1	ACSGWTB01-27	+11 2	ACSGWMW06-27DL	−21 1	ACSGWLA15-27	−31	VBLKLG
−2 1	ACSGWDUP01-27** D	+12 1	ACSGWMW17-27	+22 1	ACSGWDUP03-27 D_2	−32 2	VBLKMB
−3 1	ACSGWMW42-27**	+13 1	ACSGWMW12-27	+23 2	ACSGWLA14-27 D_2	33 3	VBLKND
−4 1	ACSGWMW43-27** D	−14 1	ACSGWEB01-27	24 3	ACSGWMW17-27MS	34	
−5 1	ACSGWMW44-27**	−15 1	ACSGWMW28-27 D_1	25 3	ACSGWMW17-27MSD	35	
+6 1	ACSGWMW45-27**	−16 1	ACSGWDUP02-27 D_1	26		36	
−7 1	ACSGWTB02-27	+17 1	ACSGWMW15-27	27		37	
+8 1	ACSGWMW19-27	+18 1	ACSGWMW56-27	28		38	
~~9~~	~~ACSGWMW19-27DL~~	+19 2	ACSGWMW56-27DL	29		39	
+10 1	ACSGWMW06-27	−20 1	ACSGWTB03-27	30		40	

1 → 6 3/21/06
7 → 19 3/22/06
20 → 23 3/23/06

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethene	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of $\geq$ 0.990?	✓			
Were all percent relative standard deviations (%RSD) $\leq$ 30% and relative response factors (RRF) > 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) $\leq$ 25% and relative response factors (RRF) $\geq$ 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within + 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?	✓			
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?	✓			
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.	✓			

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	3/24/06 22:27	CCV	cyclohexane	38.01		VBLKLG, 1→8, 10, 12→18 20→22	J/UJ/A
			methylcyclohexane	51.80			
	3/25/06 2050	CCV	F cyclohexane	29.28 29.99		VBLKMP, 11, 19, 23	

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: DH F7
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N /N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: EB Associated Samples: 21 – 23

Compound	ACSGWEB02-27 Blank ID	Blank ID	Sample Identification							
Sampling Date	3/27/06		22							
Methylene chloride										
Acetone										
Chloroform										
QQQ	2.9		-							
CC	1.9		0.93 J SUB							
AA	2.4		-							
CRQL										

Blank units: _____ **Associated sample units:** _____
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Blank ID	Sample Identification							
Sampling Date										
Methylene chloride										
Acetone										
Chloroform										
CRQL										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: 9
2nd Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	~~Sample ID~~ compound	Finding	Associated Samples	Qualifications
		V	exceeded cal range	10, 18	J/A dil

Comments: See sample calculation verification worksheet for recalculations

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/kg) 22	23	RPD
V	3.5	3.5	0
CC	0.93	5.0U	200
F	13U	11	200

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: B
2nd Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (50 std)	Recalculated RRF (50 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/24/06	Methylene chloride (1st internal standard)	0.29119	0.29119	0.29725	0.29725	4.42	4.42
			~~Trichlorethene~~ EE (2nd internal standard)	0.50547	0.50547	0.491142	0.491142	6.481	6.481
			~~Toluene~~ JJJ (3rd internal standard)	1.34884	1.34884	1.326614	1.326614	7.188	7.188
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv	3/24/06 2227	Methylene chloride (1st Internal standard)	0.29725	0.29210	0.29210	1.7	1.7
			~~Trichlorethene~~ EE (2nd Internal standard)	0.49114	0.5523393	0.552339	12.46	12.46
			~~Toluene~~ JJJ (3rd Internal standard)	1.326620	1.48076	1.48076	11.62	11.62
2			Methylene chloride (1st Internal standard)					
			Trichlorethene (2nd Internal standard)					
			Toluene (3rd Internal standard)					
3			Methylene chloride (1st Internal standard)					
			Trichlorethene (2nd Internal standard)					
			Toluene (3rd Internal standard)					
4			Methylene chloride (1st Internal standard)					
			Trichlorethene (2nd Internal standard)					
			Toluene (3rd Internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of
Reviewer:
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	250	224.756	90	90	0
Bromofluorobenzene		214.975	86	86	
1,2-Dichloroethane-d4		227.829	91	91	
Dibromofluoromethane	↓	225.738	90	90	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSDC | * 2/(MSC + MSDC)

MSC = Matrix spike percent recovery; MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: ~~23+24~~ 24+25

Compound	Spike Added (ng/L)		Sample Concentration (ng/L)	Spiked Sample Concentration (ng/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-----	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50	50	0	49.16	49.06	98	98	98	98	0	0
Trichloroethene	↓	↓	↓	54.39	55.02	109	109	110	110	1	1
Benzene				51.01	51.92	102	102	104	104	2	2
Toluene				53.33	53.46	107	107	107	107	0	0
Chlorobenzene				51.37	52.32	103	103	105	105	2	2

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboraotry control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: VLGLCS

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50	NA	51.2	NA	102	NA				
Trichloroethene	↓	↓	53.15	↓	106	↓				
Benzene	↓	↓	50.71	↓	101	↓				
Toluene	↓	↓	53.04	↓	106	↓				
Chlorobenzene	↓	↓	49.01	↓	98	↓	NA			

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14869A1
SDG #: 9416

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #6, chlorobenzene

Conc. = $\frac{(60022)(250)(\quad)}{(263506)(1.022)(3953)(5)}$

=

11 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

CompuChem
a division of Liberty Analytical Corp.

30-Mar-06

AMY CLORE
MONTGOMERY WATSON HARZA
175 WEST JACKSON BOULEVARD
SUITE 1900
Chicago, IL 606042814

Subject:
Report of Data-Project: ACS/NPL SITE Workorder: 9433

Attn.: AMY CLORE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES_____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
943301	ACSGWLA13-27	9433	W	MWH	ACS/NPL SITE	
943302	ACSGWMW53-27	9433	W	MWH	ACS/NPL SITE	
943303	ACSGWLA12-27	9433	W	MWH	ACS/NPL SITE	
943304	ACSGWLA11-27	9433	W	MWH	ACS/NPL SITE	
943305	ACSGWMW57-27	9433	W	MWH	ACS/NPL SITE	
943306	ACSGWEB02-27	9433	W	MWH	ACS/NPL SITE	
943307	ACSGWTB04-27	9433	W	MWH	ACS/NPL SITE	
943308	ACSGWMW52-27	9433	W	MWH	ACS/NPL SITE	
943309	ACSGWMW51-27	9433	W	MWH	ACS/NPL SITE	
943310	ACSGWMW30-27	9433	W	MWH	ACS/NPL SITE	
943311	ACSGWMW33-27	9433	W	MWH	ACS/NPL SITE	
943312	ACSGWMW55-27	9433	W	MWH	ACS/NPL SITE	
943313	ACSGWMW54R-27	9433	W	MWH	ACS/NPL SITE	
943314	ACSGWMW32-27	9433	W	MWH	ACS/NPL SITE	
943315	ACSGWMW31-27	9433	W	MWH	ACS/NPL SITE	
943316	ACSGWEB03-27	9433	W	MWH	ACS/NPL SITE	

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)
Tentatively identified compounds (Form I, TIC)
In order by sample.

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, Medium, or High)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)
Tentatively identified compounds (Form I, TIC)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 9433

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG # 9433
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWLA13-27, ACSGWMW53-27, ACSGWLA12-27, ACSGWLA11-27, ACSGWMW57-27, ACSGWEB02-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW51-27, ACSGWMW30-27, ACSGWMW33-27, ACSGWMW55-27, ACSGWMW54R-27, ACSGWMW32-27, ACSGWMW31-27, and ACSGWEB03-27

The 16 water samples listed above were received intact, properly refrigerated at 1.8-2.6°C, with proper documentation, in sealed shipping containers, on March 24 and 27, 2006. The samples were scheduled for the requested analysis of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze these samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for this SDG are included in the sample data section. This narrative pertains to the volatile fraction only.

VOLATILES:

Analysis holding time requirements were met for these samples. The pH value is 1 (one) for all samples. The volatile Target Compound List (TCL) analyte Benzene was identified above the Contract Required Quantitation Limit (CRQL) in sample ACSGWMW53-27 and the volatile Target Compound List (TCL) analyte Acetone was identified above the Contract Required Quantitation Limit (CRQL) in samples ACSGWLA11-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW51-27, ACSGWMW30-27, and ACSGWMW33-27.

Tentatively Identified Compounds (TICs) were found in samples ACSGWLA13-27, ACSGWMW53-27, ACSGWLA12-27, ACSGWLA11-27, ACSGWMW57-27, ACSGWEB02-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW33-27, ACSGWMW54R-27, ACSGWMW32-27, and ACSGWEB03-27.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blank met all quality control criteria. Sample ACSGWMW30-27 was run as a duplicate matrix spike (MS/MSD) as requested and met all accuracy and precision criteria, with the exception of the recovery of Chloroethane in the MS and the recovery of Methyl acetate in the MSD. The Laboratory Control Sample (LCS) met all recovery criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
GC/MS Case Reviewer
March 30, 2006

GC and GC/MS Column and Trap Specifications Table

SDG #:	9433

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
	Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating)
		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

B. Form I and Form I - TIC

Organic Analysis Data Sheet (OADS) and Tentatively Identified Compounds (TICs)

- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.9	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	1.9	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	2.4	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.40	8.6	NJ
2.		UNKNOWN	8.68	5.2	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.75	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.9	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	14	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	6.5	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	24	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	21	NJ
5.	123-91-1	1,4-DIOXANE	10.66	11	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	8.4	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	7.7	J
3.		UNKNOWN	8.68	6.3	J
4.	646-06-0	1,3-DIOXOLANE	8.99	6.6	NJ
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	9.7	NJ
6.	123-91-1	1,4-DIOXANE	10.66	13	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.8	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.86	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACSGWLA13-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	22	J
2.		UNKNOWN	7.54	12	J
3.		UNKNOWN	8.68	9.4	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	88	NJ
5.	123-91-1	1,4-DIOXANE	10.66	18	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	1.3	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	15	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	420-56-4	SILANE, FLUOROTRIMETHYL-	4.95	10	NJ
2.		UNKNOWN	8.65	17	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	18	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACSGWMW33-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.83	14	NJ
2.		UNKNOWN	8.66	12	J
3.	109-99-9	FURAN, TETRAHYDRO-	9.16	70	NJ
4.		UNKNOWN	9.62	6.3	J
5.	123-91-1	1,4-DIOXANE	10.64	9.5	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	20	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	32	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	6.5	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	32	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	14	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	17	J
2.		UNKNOWN	7.54	14	J
3.		UNKNOWN	8.67	9.6	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	33	NJ
5.	123-91-1	1,4-DIOXANE	10.65	19	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	4.8	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.65	18	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	359-11-5	ETHENE, TRIFLUORO-	3.64	16	NJ
2.		UNKNOWN	4.88	62	J
3.	0-00-0	ETHENE, ETHYLOXY-	6.39	3000	NJ
4.		UNKNOWN	7.54	8.3	J
5.	141-78-6	ETHYL ACETATE	8.88	8.0	NJ
6.	109-99-9	FURAN, TETRAHYDRO-	9.18	26	NJ
7.		UNKNOWN	9.51	14	J
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	60	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	12	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	20	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97871

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97871B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	4.3	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97871

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97871B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	56	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97872

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97872B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	3.9	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97872

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97872B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	57	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl-tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	57	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	58	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	57	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	56	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	59	
95-50-1	1,2-Dichlorobenzene	58	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	62	
110-82-7	Cyclohexane	72	
108-87-2	Methylcyclohexane	75	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNELCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97802B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	54	
75-01-4	Vinyl Chloride	54	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	51	
75-35-4	1,1-Dichloroethene	43	
75-15-0	Carbon disulfide	49	
76-13-1	1,1,2-trichloro-1,2,2-triflu	51	
67-64-1	Acetone	170	
75-09-2	Methylene Chloride	49	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	160	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	47	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	170	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	52	
127-18-4	Tetrachloroethene	50	
591-78-6	2-hexanone	170	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	51	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNELCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97802B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	53	
100-42-5	Styrene	51	
75-25-2	Bromoform	49	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	59	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	55	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	65	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	66	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	44	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	47	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	48	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	140	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	48	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	49	
75-25-2	Bromoform	46	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-Chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	54	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	52	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

C. Form II

Surrogate spike analysis

- By level (low, medium, high) -

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKMP	90	94	89	90	0
02	VMPLCS	87	95	90	90	0
03	ACSGWLA13-27	89	100	93	93	0
04	ACSGWMW53-27	88	99	93	93	0
05	ACSGWLA12-27	87	102	94	92	0
06	ACSGWLA11-27	87	100	93	94	0
07	ACSGWMW57-27	87	102	93	94	0
08	ACSGWEB02-27	92	104	94	93	0
09	VBLKNE	85	92	92	91	0
10	VNELCS	86	95	92	91	0
11	ACSGWTB04-27	88	89	89	89	0
12	ACSGWMW52-27	85	87	90	89	0
13	ACSGWMW51-27	87	89	91	89	0
14	ACSGWMW30-27	87	91	91	89	0
15	ACSGWMW33-27	86	88	90	90	0
16	VBLKNP	86	90	92	92	0
17	VNPLCS	85	90	90	94	0
18	ACSGWMW30-27	87	95	93	91	0
19	ACSGWMW30-27	85	96	93	94	0
20	ACSGWMW55-27	88	100	93	93	0
21	ACSGWMW54R-2	88	101	94	92	0
22	ACSGWMW32-27	87	100	93	94	0
23	ACSGWMW31-27	86	101	93	94	0
24	ACSGWEB03-27	88	103	93	94	0
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium, high) -
Laboratory Control Sample(s)

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix Spike - Sample No.: ACSGWMW30-27

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	54.02	108	72-129
Benzene	50	0.0	57.48	115	75-125
Trichloroethene	50	0.0	49.94	100	66-147
Toluene	50	0.0	59.26	119	78-126
Chlorobenzene	50	0.0	56.35	113	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	53.71	107	1	14	72-129
Benzene	50	58.23	116	1	14	75-125
Trichloroethene	50	50.38	101	1	14	66-147
Toluene	50	59.09	118	0	14	78-126
Chlorobenzene	50	56.91	114	1	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	49.26	99	72-129
Benzene	50	51.7	103	75-125
Trichloroethene	50	48.3	97	66-147
Toluene	50	52.91	106	78-126
Chlorobenzene	50	53.24	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNELCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	42.71	85	72-129
Benzene	50	48.9	98	75-125
Trichloroethene	50	41.81	84	66-147
Toluene	50	49.06	98	78-126
Chlorobenzene	50	48.49	97	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	44.47	89	72-129
Benzene	50	48.18	96	75-125
Trichloroethene	50	42.14	84	66-147
Toluene	50	48.55	97	78-126
Chlorobenzene	50	47.31	95	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I, and Form I - TIC

Method blank summary, OADS, and TICs
- In chronological order of analysis

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97775B59 Lab Sample ID: 97775

Date Analyzed: 03/25/06 Time Analyzed: 2141

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMPLCS	97778	97778B59	2218
02	ACSGWLA13-27	943301	943301B59	0149
03	ACSGWMW53-27	943302	943302B59	0218
04	ACSGWLA12-27	943303	943303B59	0246
05	ACSGWLA11-27	943304	943304B59	0315
06	ACSGWMW57-27	943305	943305B59	0343
07	ACSGWEB02-27	943306	943306B59	0412
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNE

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97799B59 Lab Sample ID: 97799

Date Analyzed: 03/28/06 Time Analyzed: 2317

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VNELCS	97802	97802B59	2353
02	ACSGWTB04-27	943307	943307B59	0717
03	ACSGWMW52-27	943308	943308B59	0745
04	ACSGWMW51-27	943309	943309B59	0814
05	ACSGWMW30-27	943310	943310B59	0843
06	ACSGWMW33-27	943311	943311B59	0911
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97865B59 Lab Sample ID: 97865

Date Analyzed: 03/29/06 Time Analyzed: 2326

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWMW30-27	97871	97871B59	0237
02	ACSGWMW30-27	97872	97872B59	0306
03	ACSGWMW55-27	943312	943312B59	0334
04	ACSGWMW54R-2	943313	943313B59	0403
05	ACSGWMW32-27	943314	943314B59	0431
06	ACSGWMW31-27	943315	943315B59	0500
07	ACSGWEB03-27	943316	943316B59	0529
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060325B59 Date Analyzed: 03/25/06

Instrument ID: 5972HP59 Time Analyzed: 2050

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	427148	9.98	283097	12.96	132758	15.05
	UPPER LIMIT	854296	10.48	566194	13.46	265516	15.55
	LOWER LIMIT	213574	9.48	141548	12.46	66379	14.55
	CLIENT SAMPLE NO.						
01	VBLKMP	422387	9.98	275739	12.96	132298	15.05
02	VMPLCS	412616	9.97	272737	12.95	129364	15.04
03	ACSGWLA13-27	399289	9.98	256845	12.96	121362	15.05
04	ACSGWMW53-27	411574	9.97	260768	12.96	121987	15.04
05	ACSGWLA12-27	409165	9.98	257659	12.96	122504	15.04
06	ACSGWLA11-27	409445	9.98	257915	12.95	120768	15.04
07	ACSGWMW57-27	409508	9.98	257223	12.95	121185	15.04
08	ACSGWEB02-27	401003	9.98	252687	12.96	119411	15.04
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060328B59 Date Analyzed: 03/28/06

Instrument ID: 5972HP59 Time Analyzed: 2243

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	512966	9.97	323994	12.95	150224	15.04
	UPPER LIMIT	1025932	10.47	647988	13.45	300448	15.54
	LOWER LIMIT	256483	9.47	161997	12.45	75112	14.54
	CLIENT SAMPLE NO.						
01	VBLKNE	504331	9.97	316714	12.95	148395	15.04
02	VNELCS	501102	9.96	319724	12.95	152720	15.03
03	ACSGWTB04-27	536360	9.96	365111	12.94	170608	15.03
04	ACSGWMW52-27	539104	9.96	355429	12.94	168626	15.02
05	ACSGWMW51-27	548570	9.96	359415	12.94	169640	15.02
06	ACSGWMW30-27	527719	9.96	340384	12.94	162344	15.02
07	ACSGWMW33-27	516503	9.96	337619	12.94	157959	15.03
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060329B59 Date Analyzed: 03/29/06

Instrument ID: 5972HP59 Time Analyzed: 2245

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	540509	9.96	347495	12.94	163981	15.03
	UPPER LIMIT	1081018	10.46	694990	13.44	327962	15.53
	LOWER LIMIT	270254	9.46	173748	12.44	81990	14.53
	CLIENT SAMPLE NO.						
01	VBLKNP	532792	9.96	339783	12.93	157915	15.02
02	VNPLCS	525445	9.96	342545	12.94	156482	15.02
03	ACSGWMW30-27	532412	9.95	338012	12.93	160624	15.02
04	ACSGWMW30-27	506318	9.96	316313	12.93	146167	15.02
05	ACSGWMW55-27	507054	9.95	324114	12.94	152966	15.02
06	ACSGWMW54R-2	488647	9.95	312334	12.93	147923	15.02
07	ACSGWMW32-27	481201	9.95	308531	12.93	141626	15.02
08	ACSGWMW31-27	491575	9.95	313722	12.93	143775	15.02
09	ACSGWEB03-27	491599	9.95	310781	12.93	143321	15.02
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE : LIBRTY	METHOD: 8260B
CASE # : _____	SDG # : 9433

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG # 9433
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWLA13-27, ACSGWMW53-27, ACSGWLA12-27, ACSGWLA11-27, ACSGWMW57-27, ACSGWEB02-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW51-27, ACSGWMW30-27, ACSGWMW33-27, ACSGWMW55-27, ACSGWMW54R-27, ACSGWMW32-27, ACSGWMW31-27, and ACSGWEB03-27

The 16 water samples listed above were received intact, properly refrigerated at 1.8-2.6°C, with proper documentation, in sealed shipping containers, on March 24 and 27, 2006. The samples were scheduled for the requested analysis of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze these samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for this SDG are included in the sample data section. This narrative pertains to the volatile fraction only.

VOLATILES:

Analysis holding time requirements were met for these samples. The pH value is 1 (one) for all samples. The volatile Target Compound List (TCL) analyte Benzene was identified above the Contract Required Quantitation Limit (CRQL) in sample ACSGWMW53-27 and the volatile Target Compound List (TCL) analyte Acetone was identified above the Contract Required Quantitation Limit (CRQL) in samples ACSGWLA11-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW51-27, ACSGWMW30-27, and ACSGWMW33-27.

Tentatively Identified Compounds (TICs) were found in samples ACSGWLA13-27, ACSGWMW53-27, ACSGWLA12-27, ACSGWLA11-27, ACSGWMW57-27, ACSGWEB02-27, ACSGWTB04-27, ACSGWMW52-27, ACSGWMW33-27, ACSGWMW54R-27, ACSGWMW32-27, and ACSGWEB03-27.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blank met all quality control criteria. Sample ACSGWMW30-27 was run as a duplicate matrix spike (MS/MSD) as requested and met all accuracy and precision criteria, with the exception of the recovery of Chloroethane in the MS and the recovery of Methyl acetate in the MSD. The Laboratory Control Sample (LCS) met all recovery criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
GC/MS Case Reviewer
March 30, 2006

GC and GC/MS Column and Trap Specifications Table

SDG #:	9433

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory		
	Tekmar 3		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
			* 8 cm of silica gel
			* 7 cm of coconut charcoal
			* 0.5 cm of silanized glass wool at each end
	Tekmar 5		* 1 cm of methyl silicone packing (OV-1 coating)
			* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
			* 8 cm of silica gel
			* 7 cm of coconut charcoal
			* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

COOLER 1 OF 1

12425

101

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier FED EX
Airbill No. 8566 7444 4297
Sampling Complete? Y or N

Client/Reporting Information

Company Name: MWH
Address: 175 W. JACKSON BLVD SUITE #1900
City: CHICAGO State: IL Zip: 60604
Project Contact: DAVID POWERS
Phone #: 312.831.3432
Sampler's Name: D. POWERS / J. FINGER

Project Information

Project Name: ACS GROUNDWATER - ROUND 27
Sampling Location: ACS - GRIFFITH, IN
Turnaround time: STANDARD TAT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOC + TICs	pH / Sample Info (Lab Use)
941617	ACS-GW-TB03-27	3/23/06	0800	GW	1	1						X	
941618	ACS-GW-LA15-27		0920	GW	3	3						X	
941619	ACS-GW-DUP03-27		1000	GW	3	3						X	
941620	ACS-GW-LA14-27		1025	GW	3	3						X	
943301	ACS-GW-LA13-27		1115	GW	3	3						X	
943302	ACS-GW-MW63-27		1155	GW	3	3						X	
943303	ACS-GW-MLA12-27		1430	GW	3	3						X	
943304	ACS-GW-LA11-27		1550	GW	3	3						X	
943305	ACS-GW-MW57-27		1700	GW	3	3						X	
943306	ACS-GW-EB02-27		1730	GW	3	3						X	

Lab Use Only

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: Melissa Stone
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Daniel Powers	Date/Time: 3/23/06 1830	Received by: Jennifer Dover	Date/Time: 3/24/06 9:05
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? Y or N
On Ice? (Y) or N
Cooler Temp: 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

Cooler 1 of 1

12424

102

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier: FED EX
Airbill No.: 8566 7445 9521
Sampling Complete? Y or N

Company Name: MWH	Project Name: ACS GROUNDWATER - ROUND 27
Address: 175 W. JACKSON BLVD SUITE #1900	Sampling Location: ACS - GRIFFITH, IN
City: CHICAGO State: IL Zip: 60604	Turnaround time: STANDARD TAT
Project Contact: DAVID POWERS	Batch QC or Project Specific? If Specific, which Sample ID?: MS/MSD AT MW-30
Phone #: 312.831.3432	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: D. POWERS, J. FINKLER	Are high concentrations expected? Y or N? If yes, which ID(s)?

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs + TICs																	
943307	ACS-GW-TB04-27	3/24/06	0800	GW	1	1						X																	
943308	ACS-GW-MW52-27		0845	GW	3	3						X																	
943309	ACS-GW-MW51-27		0940	GW	3	3						X																	
943310	ACS-GW-MW30-27		1020	GW	9	9						X																	
943311	ACS-GW-MW33-27		1045	GW	3	3						X																	
943312	ACS-GW-MW55-27		1150	GW	3	3						X																	
943313	ACS-GW-MW54R-27		1310	GW	3	3						X																	
943314	ACS-GW-MW32-27		1355	GW	3	3						X																	
943315	ACS-GW-MW31-27		1425	GW	3	3						X																	
943316	ACS-GW-EB03-27		1445	GW	3	3						X																	

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments:

Sample Custody

Relinquished by:	Date/Time: 3/24/06 1700	Received by:	Date/Time: 3/24/06 910
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9433 **Account:** MWH **Project:** ACS/NPL SITE

SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD

Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
943301	ACSGWLA13-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943302	ACSGWMW53-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943303	ACSGWLA12-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943304	ACSGWLA11-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943305	ACSGWMW57-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943306	ACSGWEB02-27	3/23/2006	3/24/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943307	ACSGWTB04-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;TB
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943308	ACSGWMW52-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943309	ACSGWMW51-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943310	ACSGWMW30-27	3/24/2006	3/27/2006	4/9/2006	**USE FOR QC*REPORT TCL4 VOA+TICs;
W	QCW-8260-5	QC-8260B 5ML VOC WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943311	ACSGWMW33-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943312	ACSGWMW55-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943313	ACSGWMW54R-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943314	ACSGWMW32-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943315	ACSGWMW31-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
943316	ACSGWEB03-27	3/24/2006	3/27/2006	4/9/2006	REPORT TCL4 VOA+TICs;

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9433 **Account:** MWH **Project:** ACS/NPL SITE

SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD

Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 3/24/2006 Batch 17093

Comments: _____

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	943301	3/24/2006	VW8260_5X	40MLVIAL	HCL	943301-1
2	943302	3/24/2006	VW8260_5X	40MLVIAL	HCL	943302-1
3	943303	3/24/2006	VW8260_5X	40MLVIAL	HCL	943303-1
4	943304	3/24/2006	VW8260_5X	40MLVIAL	HCL	943304-1
5	943305	3/24/2006	VW8260_5X	40MLVIAL	HCL	943305-1
6	943306	3/24/2006	VW8260_5X	40MLVIAL	HCL	943306-1

Relinquished By:	Received By:	Date/Time	Reason
#2	#2	3-25 1700	
		3-25 1800	

Friday, March 24, 2006

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 3/27/2006 Batch 17116

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	943307	3/27/2006	VW8260_5X	40MLVIAL	HCL	943307-1
2	943308	3/27/2006	VW8260_5X	40MLVIAL	HCL	943308-1
3	943309	3/27/2006	VW8260_5X	40MLVIAL	HCL	943309-1
4	943310	3/27/2006	VW8260_5X	40MLVIAL	HCL	943310-1
5	943310	3/27/2006	VW8260_5X	40MLVIAL	HCL	943310-1
6	943311	3/27/2006	VW8260_5X	40MLVIAL	HCL	943311-1
7	943312	3/27/2006	VW8260_5X	40MLVIAL	HCL	943312-1
8	943313	3/27/2006	VW8260_5X	40MLVIAL	HCL	943313-1
9	943314	3/27/2006	VW8260_5X	40MLVIAL	HCL	943314-1
10	943315	3/27/2006	VW8260_5X	40MLVIAL	HCL	943315-1
11	943316	3/27/2006	VW8260_5X	40MLVIAL	HCL	943316-1

Relinquished By:	Received By:	Date/Time	Reason
#32		3-28 1900	
	#7	3-28 1900	
		3-29 700	
	#2	3-29 1530	

Monday, March 27, 2006

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE : LIBRTY	METHOD: 8260B
CASE # : _____	SDG # : 9433

1. QC Summary

a. Surrogate Recovery Summary (Form II VOA)

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

c. Method Blank Summary (Form IV VOA)

d. GC/MS Instrument Performance Check
(Form V VOA)

e. Internal Standard Area and RT Summary
(Form VIII VOA)

a. Surrogate Recovery Summary

(Form II VOA)

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKMP	90	94	89	90	0
02	VMPLCS	87	95	90	90	0
03	ACSGWLA13-27	89	100	93	93	0
04	ACSGWMW53-27	88	99	93	93	0
05	ACSGWLA12-27	87	102	94	92	0
06	ACSGWLA11-27	87	100	93	94	0
07	ACSGWMW57-27	87	102	93	94	0
08	ACSGWEB02-27	92	104	94	93	0
09	VBLKNE	85	92	92	91	0
10	VNELCS	86	95	92	91	0
11	ACSGWTB04-27	88	89	89	89	0
12	ACSGWMW52-27	85	87	90	89	0
13	ACSGWMW51-27	87	89	91	89	0
14	ACSGWMW30-27	87	91	91	89	0
15	ACSGWMW33-27	86	88	90	90	0
16	VBLKNP	86	90	92	92	0
17	VNPLCS	85	90	90	94	0
18	ACSGWMW30-27	87	95	93	91	0
19	ACSGWMW30-27	85	96	93	94	0
20	ACSGWMW55-27	88	100	93	93	0
21	ACSGWMW54R-2	88	101	94	92	0
22	ACSGWMW32-27	87	100	93	94	0
23	ACSGWMW31-27	86	101	93	94	0
24	ACSGWEB03-27	88	103	93	94	0
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix Spike - Sample No.: ACSGWMW30-27

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	54.02	108	72-129
Benzene	50	0.0	57.48	115	75-125
Trichloroethene	50	0.0	49.94	100	66-147
Toluene	50	0.0	59.26	119	78-126
Chlorobenzene	50	0.0	56.35	113	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	53.71	107	1	14	72-129
Benzene	50	58.23	116	1	14	75-125
Trichloroethene	50	50.38	101	1	14	66-147
Toluene	50	59.09	118	0	14	78-126
Chlorobenzene	50	56.91	114	1	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	49.26	99	72-129
Benzene	50	51.7	103	75-125
Trichloroethene	50	48.3	97	66-147
Toluene	50	52.91	106	78-126
Chlorobenzene	50	53.24	106	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8260B VNELCS

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	42.71	85	72-129
Benzene	50	48.9	98	75-125
Trichloroethene	50	41.81	84	66-147
Toluene	50	49.06	98	78-126
Chlorobenzene	50	48.49	97	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

_____

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	44.47	89	72-129
Benzene	50	48.18	96	75-125
Trichloroethene	50	42.14	84	66-147
Toluene	50	48.55	97	78-126
Chlorobenzene	50	47.31	95	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV VOA)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks, by instrument.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97775B59 Lab Sample ID: 97775

Date Analyzed: 03/25/06 Time Analyzed: 2141

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMPLCS	97778	97778B59	2218
02	ACSGWLA13-27	943301	943301B59	0149
03	ACSGWMW53-27	943302	943302B59	0218
04	ACSGWLA12-27	943303	943303B59	0246
05	ACSGWLA11-27	943304	943304B59	0315
06	ACSGWMW57-27	943305	943305B59	0343
07	ACSGWEB02-27	943306	943306B59	0412
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNE

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97799B59 Lab Sample ID: 97799

Date Analyzed: 03/28/06 Time Analyzed: 2317

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VNELCS	97802	97802B59	2353
02	ACSGWTB04-27	943307	943307B59	0717
03	ACSGWMW52-27	943308	943308B59	0745
04	ACSGWMW51-27	943309	943309B59	0814
05	ACSGWMW30-27	943310	943310B59	0843
06	ACSGWMW33-27	943311	943311B59	0911
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: 97865B59 Lab Sample ID: 97865

Date Analyzed: 03/29/06 Time Analyzed: 2326

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWMW30-27	97871	97871B59	0237
02	ACSGWMW30-27	97872	97872B59	0306
03	ACSGWMW55-27	943312	943312B59	0334
04	ACSGWMW54R-2	943313	943313B59	0403
05	ACSGWMW32-27	943314	943314B59	0431
06	ACSGWMW31-27	943315	943315B59	0500
07	ACSGWEB03-27	943316	943316B59	0529
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

d. GC/MS Instrument Performance Check (Form V VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: BG060324A59 BFB Injection Date: 03/24/06

Instrument ID: 5972HP59 BFB Injection Time: 1529

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	95.0 - 101.0% of mass 174	69.2 (96.4)1
177	5.0 - 9.0% of mass 176	4.6 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	GS060324A59	03/24/06	1553
02	VSTD010	VSTD010	GT060324A59	03/24/06	1621
03	VSTD020	VSTD020	GU060324A59	03/24/06	1649
04	VSTD050	VSTD050	GV060324A59	03/24/06	1717
05	VSTD200	VSTD200	GX060324A59	03/24/06	1813
06	VSTD100	VSTD100	GY060324A59	03/24/06	1840
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: BF060325B59 BFB Injection Date: 03/25/06

Instrument ID: 5972HP59 BFB Injection Time: 1954

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	46.3
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	Greater than 50.0% of mass 95	66.0
175	5.0 - 9.0% of mass 174	4.8 (7.3)1
176	95.0 - 101.0% of mass 174	63.2 (95.6)1
177	5.0 - 9.0% of mass 176	4.1 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060325B59	03/25/06	2050
02	VBLKMP	97775	97775B59	03/25/06	2141
03	VMPLCS	97778	97778B59	03/25/06	2218
04	ACSGWLA13-27	943301	943301B59	03/26/06	0149
05	ACSGWMW53-27	943302	943302B59	03/26/06	0218
06	ACSGWLA12-27	943303	943303B59	03/26/06	0246
07	ACSGWLA11-27	943304	943304B59	03/26/06	0315
08	ACSGWMW57-27	943305	943305B59	03/26/06	0343
09	ACSGWEB02-27	943306	943306B59	03/26/06	0412
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: BF060328B59 BFB Injection Date: 03/28/06

Instrument ID: 5972HP59 BFB Injection Time: 2129

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	67.0
175	5.0 - 9.0% of mass 174	4.8 (7.1)1
176	95.0 - 101.0% of mass 174	63.8 (95.3)1
177	5.0 - 9.0% of mass 176	4.1 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060328B59	03/28/06	2243
02	VBLKNE	97799	97799B59	03/28/06	2317
03	VNELCS	97802	97802B59	03/28/06	2353
04	ACSGWTB04-27	943307	943307B59	03/29/06	0717
05	ACSGWMW52-27	943308	943308B59	03/29/06	0745
06	ACSGWMW51-27	943309	943309B59	03/29/06	0814
07	ACSGWMW30-27	943310	943310B59	03/29/06	0843
08	ACSGWMW33-27	943311	943311B59	03/29/06	0911
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID: BF060329B59 BFB Injection Date: 03/29/06

Instrument ID: 5972HP59 BFB Injection Time: 2147

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 60.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	4.8 (7.1)1
176	95.0 - 101.0% of mass 174	65.5 (95.9)1
177	5.0 - 9.0% of mass 176	4.2 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060329B59	03/29/06	2245
02	VBLKNP	97865	97865B59	03/29/06	2326
03	VNPLCS	97868	97868B59	03/30/06	0003
04	ACSGWMW30-27	97871	97871B59	03/30/06	0237
05	ACSGWMW30-27	97872	97872B59	03/30/06	0306
06	ACSGWMW55-27	943312	943312B59	03/30/06	0334
07	ACSGWMW54R-2	943313	943313B59	03/30/06	0403
08	ACSGWMW32-27	943314	943314B59	03/30/06	0431
09	ACSGWMW31-27	943315	943315B59	03/30/06	0500
10	ACSGWEB03-27	943316	943316B59	03/30/06	0529
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

e. Internal Standard Area and RT Summary (Form VIII VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060325B59 Date Analyzed: 03/25/06

Instrument ID: 5972HP59 Time Analyzed: 2050

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ)		IS2(CBZ)		IS3(DCB)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	427148	9.98	283097	12.96	132758	15.05
	UPPER LIMIT	854296	10.48	566194	13.46	265516	15.55
	LOWER LIMIT	213574	9.48	141548	12.46	66379	14.55
	CLIENT SAMPLE NO.						
01	VBLKMP	422387	9.98	275739	12.96	132298	15.05
02	VMPLCS	412616	9.97	272737	12.95	129364	15.04
03	ACSGWLA13-27	399289	9.98	256845	12.96	121362	15.05
04	ACSGWMW53-27	411574	9.97	260768	12.96	121987	15.04
05	ACSGWLA12-27	409165	9.98	257659	12.96	122504	15.04
06	ACSGWLA11-27	409445	9.98	257915	12.95	120768	15.04
07	ACSGWMW57-27	409508	9.98	257223	12.95	121185	15.04
08	ACSGWEB02-27	401003	9.98	252687	12.96	119411	15.04
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060328B59 Date Analyzed: 03/28/06

Instrument ID: 5972HP59 Time Analyzed: 2243

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	512966	9.97	323994	12.95	150224	15.04
	UPPER LIMIT	1025932	10.47	647988	13.45	300448	15.54
	LOWER LIMIT	256483	9.47	161997	12.45	75112	14.54
	CLIENT SAMPLE NO.						
01	VBLKNE	504331	9.97	316714	12.95	148395	15.04
02	VNELCS	501102	9.96	319724	12.95	152720	15.03
03	ACSGWTB04-27	536360	9.96	365111	12.94	170608	15.03
04	ACSGWMW52-27	539104	9.96	355429	12.94	168626	15.02
05	ACSGWMW51-27	548570	9.96	359415	12.94	169640	15.02
06	ACSGWMW30-27	527719	9.96	340384	12.94	162344	15.02
07	ACSGWMW33-27	516503	9.96	337619	12.94	157959	15.03
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Lab File ID (Standard): GT060329B59 Date Analyzed: 03/29/06

Instrument ID: 5972HP59 Time Analyzed: 2245

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	540509	9.96	347495	12.94	163981	15.03
	UPPER LIMIT	1081018	10.46	694990	13.44	327962	15.53
	LOWER LIMIT	270254	9.46	173748	12.44	81990	14.53
	CLIENT SAMPLE NO.						
01	VBLKNP	532792	9.96	339783	12.93	157915	15.02
02	VNPLCS	525445	9.96	342545	12.94	156482	15.02
03	ACSGWMW30-27	532412	9.95	338012	12.93	160624	15.02
04	ACSGWMW30-27	506318	9.96	316313	12.93	146167	15.02
05	ACSGWMW55-27	507054	9.95	324114	12.94	152966	15.02
06	ACSGWMW54R-2	488647	9.95	312334	12.93	147923	15.02
07	ACSGWMW32-27	481201	9.95	308531	12.93	141626	15.02
08	ACSGWMW31-27	491575	9.95	313722	12.93	143775	15.02
09	ACSGWEB03-27	491599	9.95	310781	12.93	143321	15.02
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I VOA and Form I VOA-TIC), followed by the raw data for volatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I VOA)

Tabulated results (identification and quantitation) shall be included.

b. Tentatively Identified Compounds (Form I VOA-TIC)

Lists the client specified number of organic compounds that are non-surrogate/non-internal standard compounds and are not listed on the target compound list. This form shall be included even if no compounds are found.

c. Reconstructed Ion Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The RIC shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

d. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to all compounds, internal standards, and surrogate compounds.

e. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

f. Quantitation Report showing calculations for TICs

g. Copies of mass spectra of organic compounds not listed on the target compound list (TICs) with associated best-match spectra.

- The spectra shall be labeled as follows: Client Sample ID number, lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.9	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	1.9	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	2.4	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

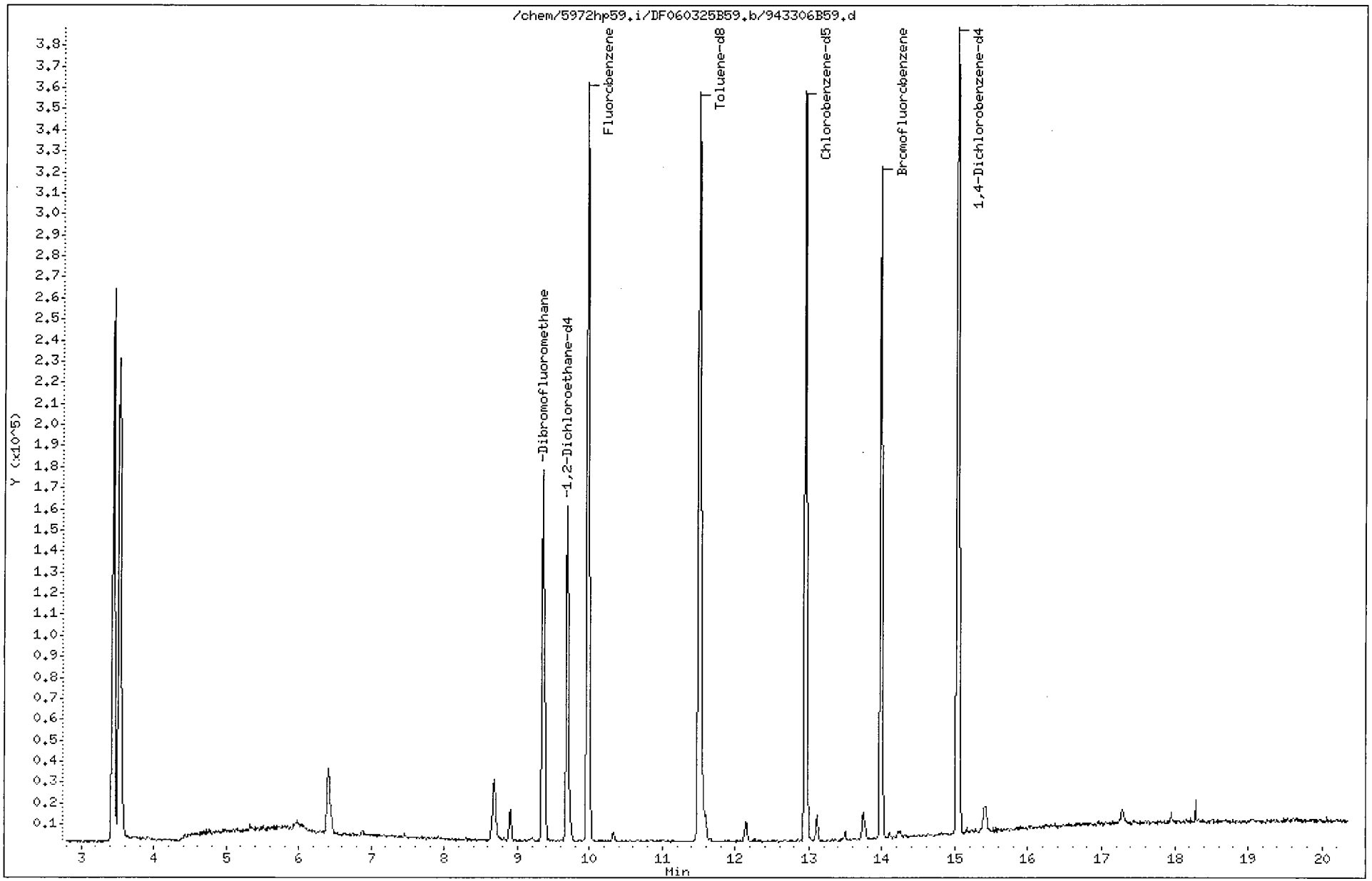
Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.40	8.6	NJ
2.		UNKNOWN	8.68	5.2	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d
Date : 26-MAR-2006 04:12
Client ID: ACSGWEB02-27
Instrument: 5972hp59.i
Sample Info: 943306:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943306B59.d
Lab Smp Id: 943306 Client Smp ID: ACSGWEB02-27
Inj Date : 26-MAR-2006 04:12
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943306:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.977	9.976	(1.000)	401003	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.959	(1.000)	252687	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.046	(1.000)	119411	250.000	
$ 4 Dibromofluoromethane	113	9.357	9.356	(0.938)	119404	230.596	46
$ 5 1,2-Dichloroethane-d4	65	9.692	9.690	(0.971)	141707	261.200	52
$ 6 Toluene-d8	98	11.513	11.512	(0.888)	354587	234.080	47
$ 7 Bromofluorobenzene	95	13.984	13.983	(0.930)	146993	233.139	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

3/28/06

Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d
Report Date: 28-Mar-2006 05:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	8.904	8.903	(0.892)	7409	14.6111	2.9(a)
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	11.582	11.591	(0.894)	9403	9.59240	1.9(a)
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	12.143	12.142	(0.937)	3355	12.2303	2.4(a)
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d

Date : 26-MAR-2006 04:12

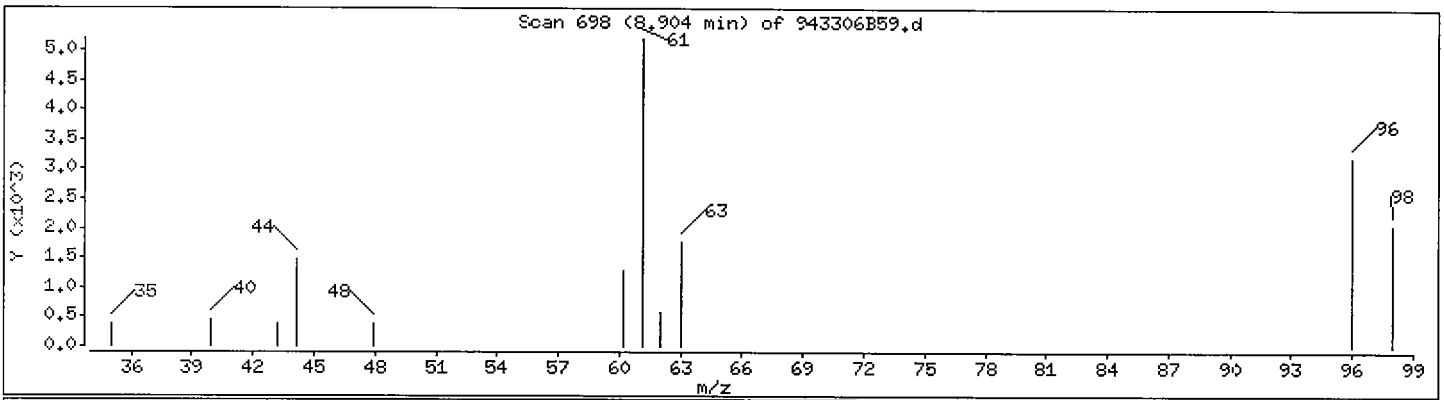
Client ID: ACSGWEB02-27 Instrument: 5972hp59.i

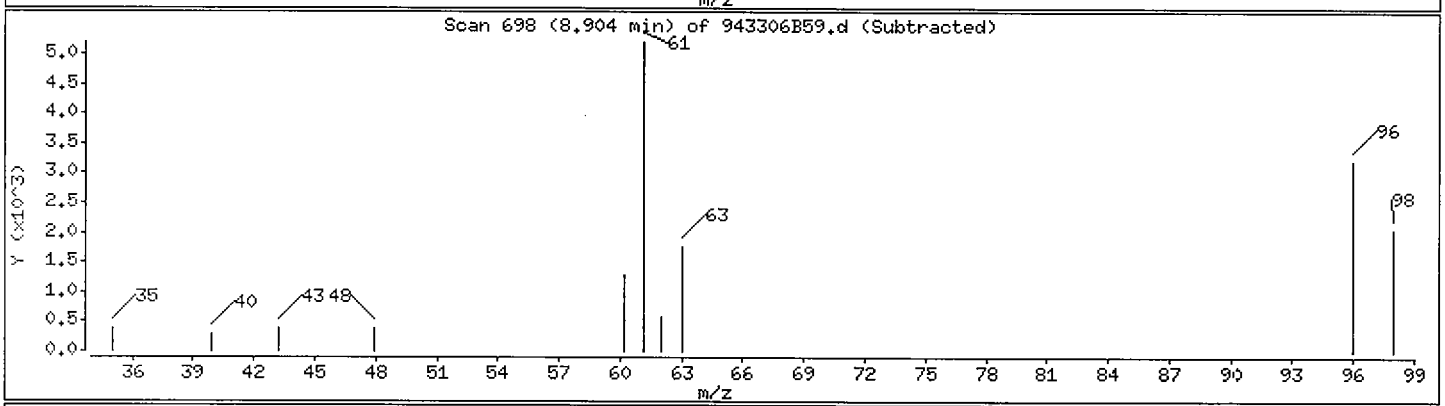
Sample Info: 943306:2481

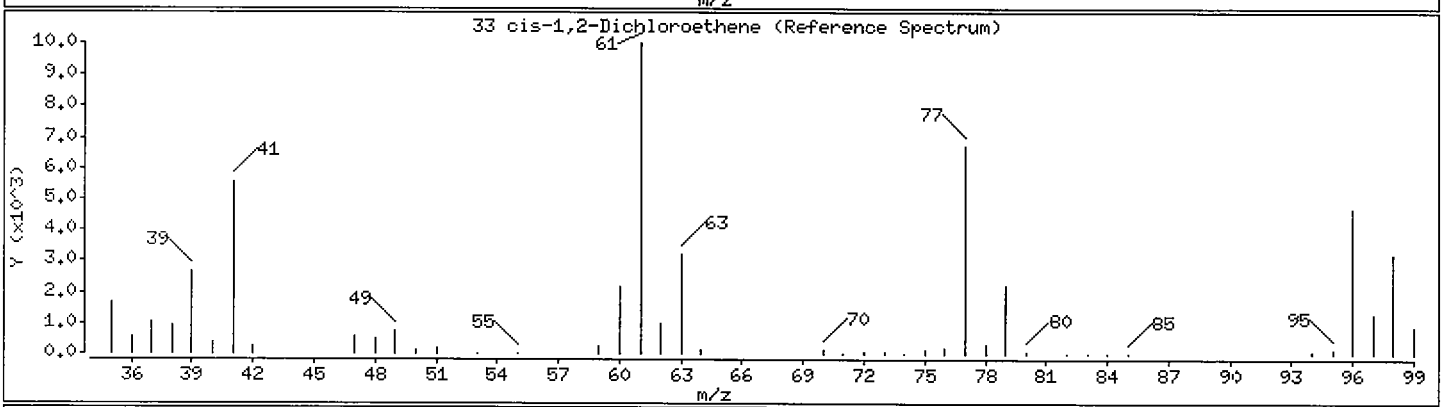
Purge Volume: 5.0 Operator: 2481

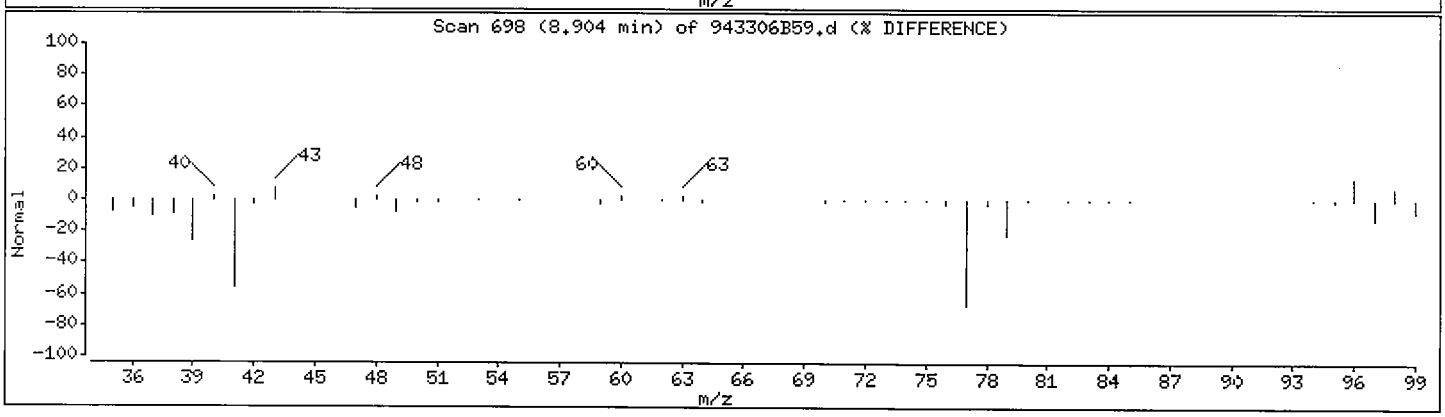
Column phase: ZB-624 Column diameter: 0.32

33 cis-1,2-Dichloroethene Concentration: 2.9 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d

Date : 26-MAR-2006 04:12

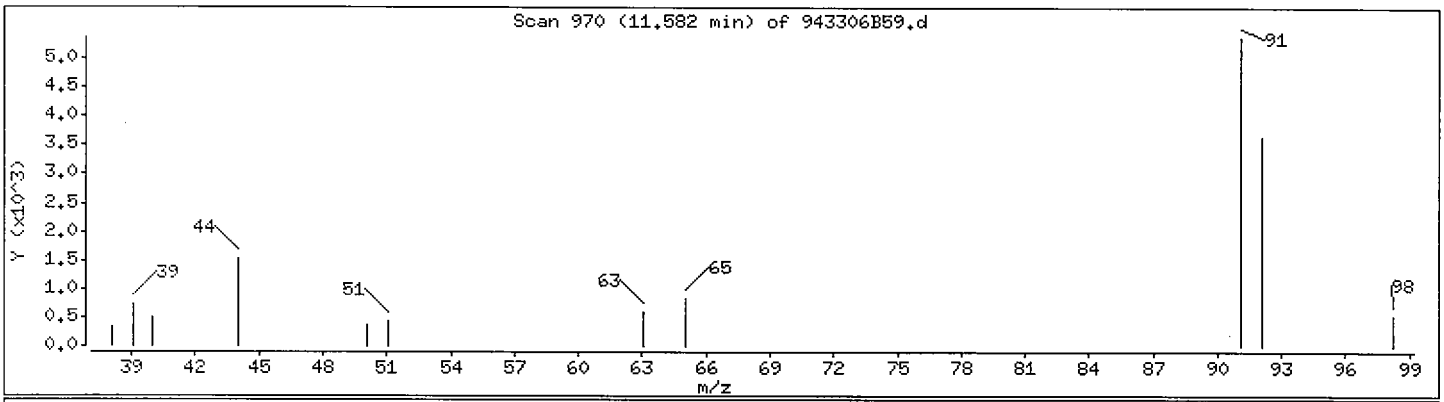
Client ID: ACSGWEB02-27 Instrument: 5972hp59.i

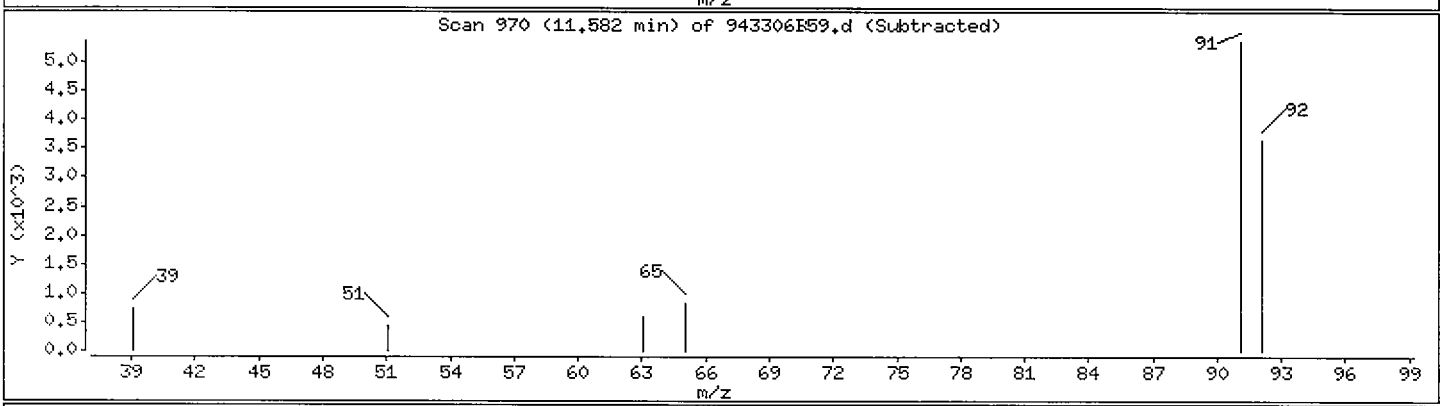
Sample Info: 943306;2481

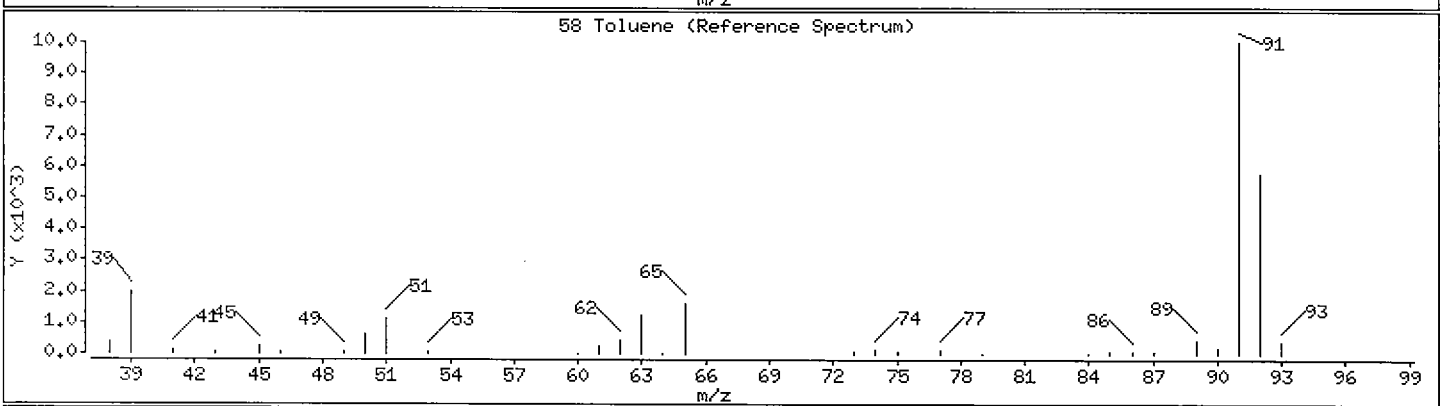
Purge Volume: 5.0 Operator: 2481

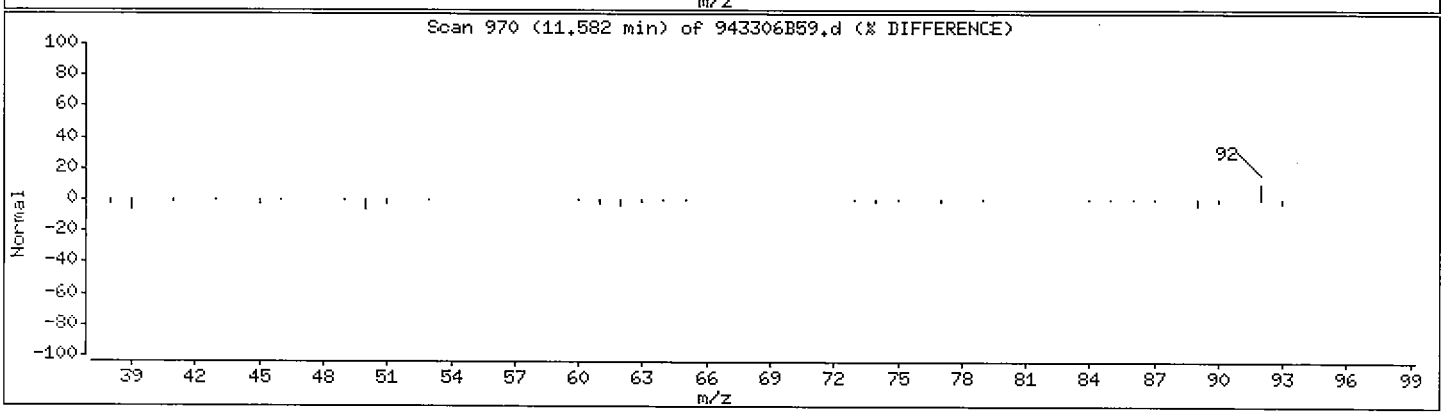
Column phase: ZB-624 Column diameter: 0.32

58 Toluene Concentration: 1.9 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d

Date : 26-MAR-2006 04:12

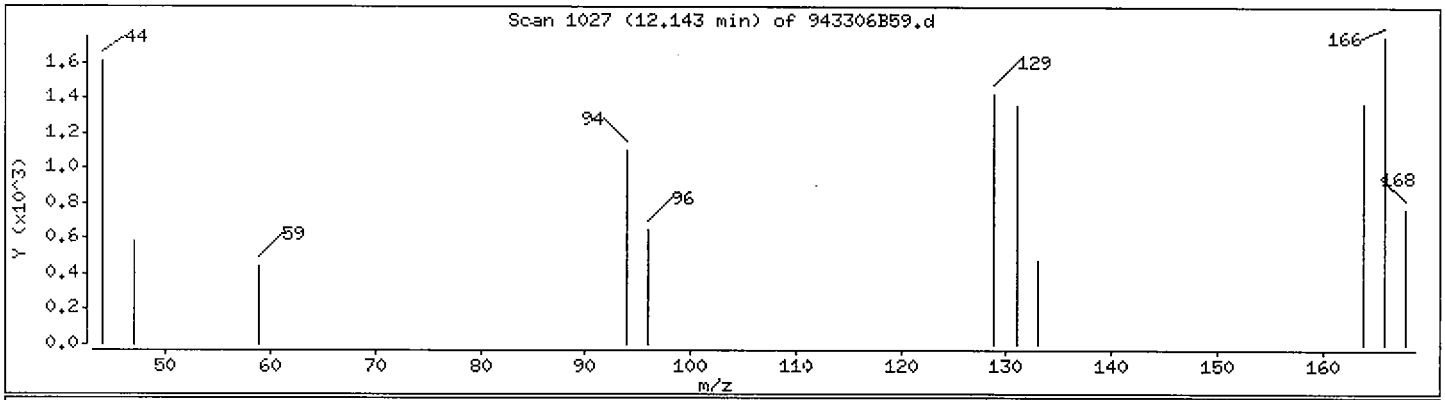
Client ID: ACSGWEB02-27 Instrument: 5972hp59.i

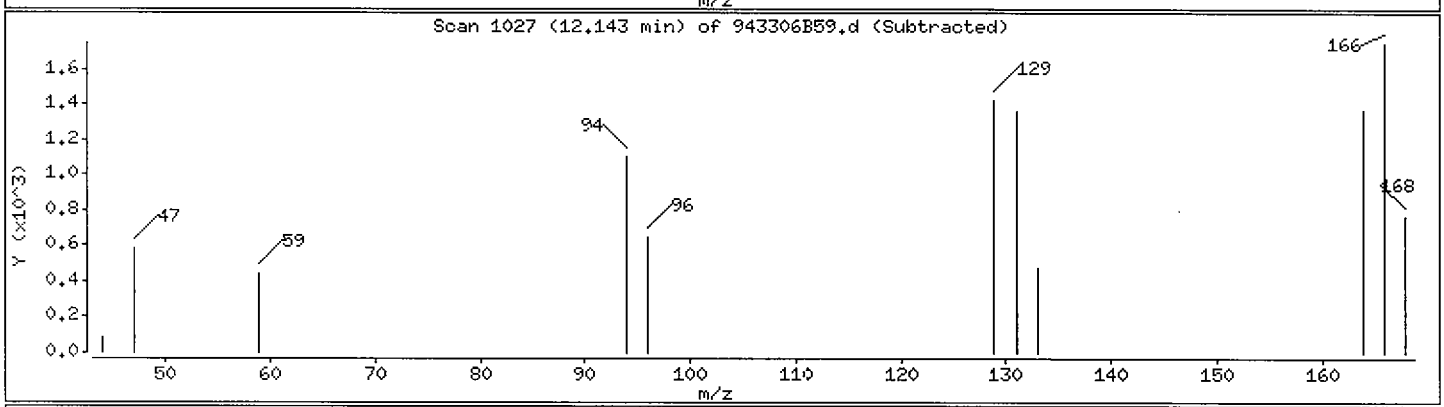
Sample Info: 943306:2481

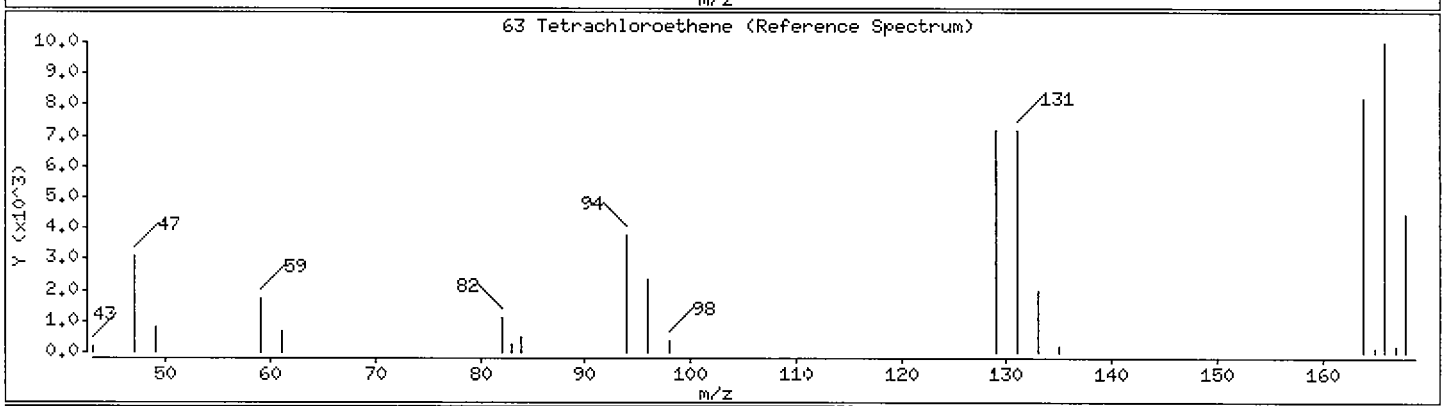
Purge Volume: 5.0 Operator: 2481

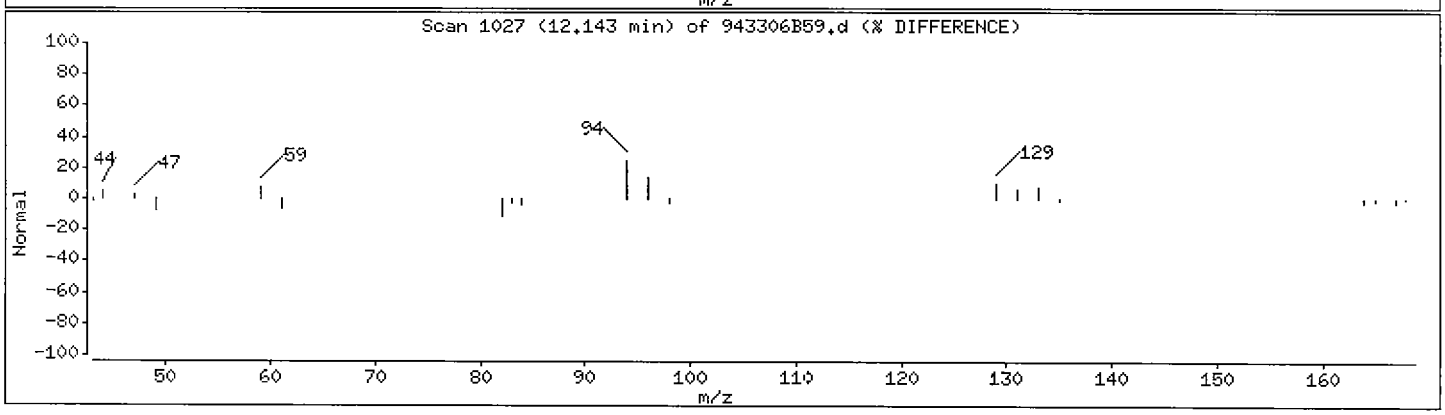
Column phase: ZB-624 Column diameter: 0.32

63 Tetrachloroethene Concentration: 2.4 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943306B59.d
Lab Smp Id: 943306 Client Smp ID: ACSGWEB02-27
Inj Date : 26-MAR-2006 04:12
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943306:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.977	898673	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether			CAS #: 60-29-7				
6.404	155413	43.2339068	8.6	90	NBS129K.l	108348	1
Unknown			CAS #:				
8.678	93082	25.8942054	5.2	0		0	1

Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d

Date : 26-MAR-2006 04:12

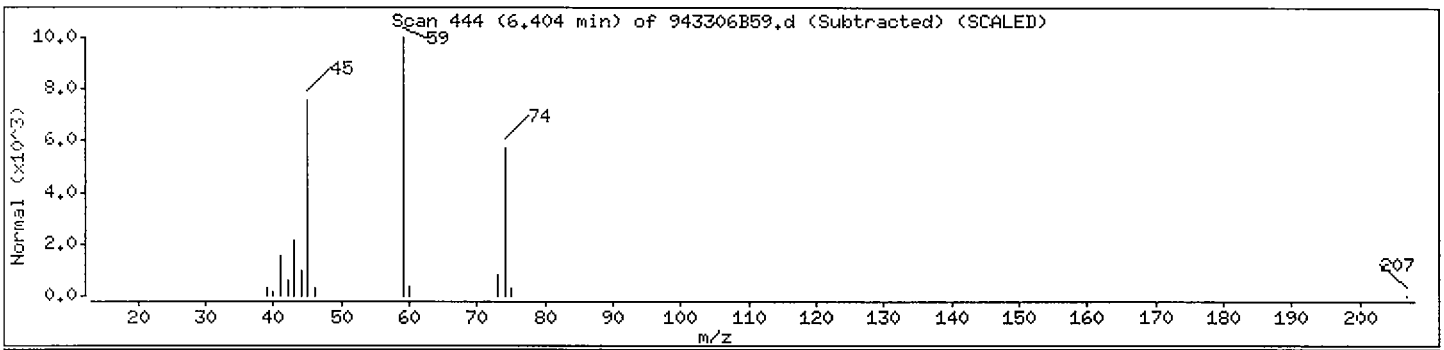
Client ID: ACSGWEB02-27 Instrument: 5972hp59.i

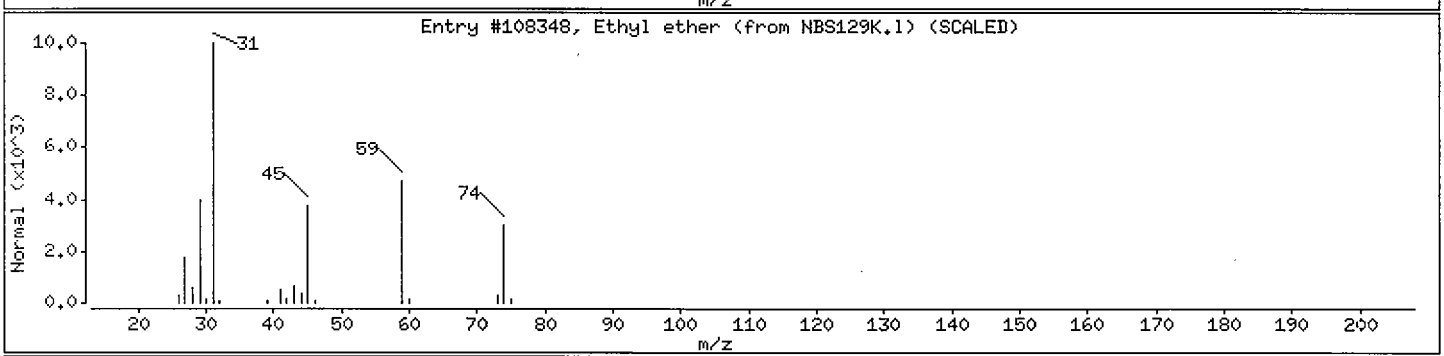
Sample Info: 943306;2481

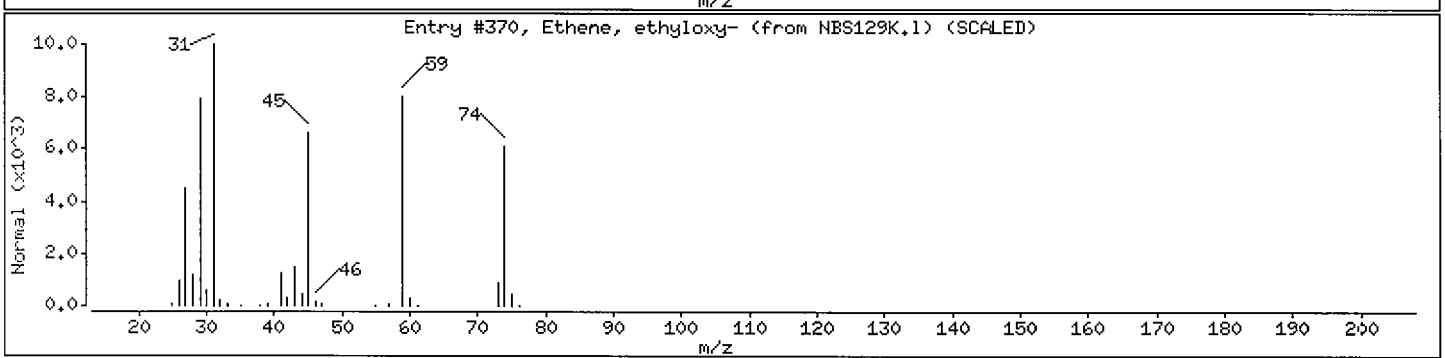
Purge Volume: 5.0 Operator: 2481

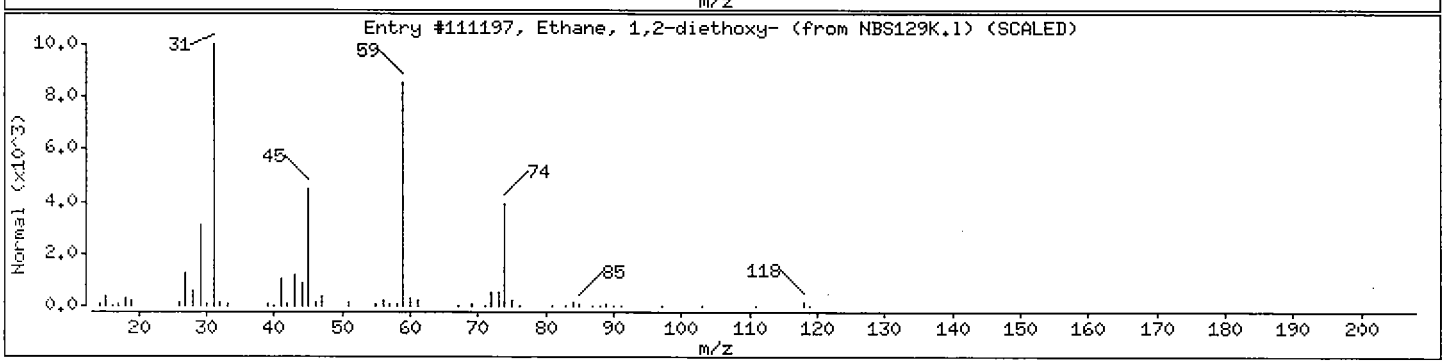
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether	60-29-7	NBS129K.l	108348	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	83	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111197	50	C6H14O2	118









Data File: /chem/5972hp59.i/DF060325B59.b/943306B59.d

Date : 26-MAR-2006 04:12

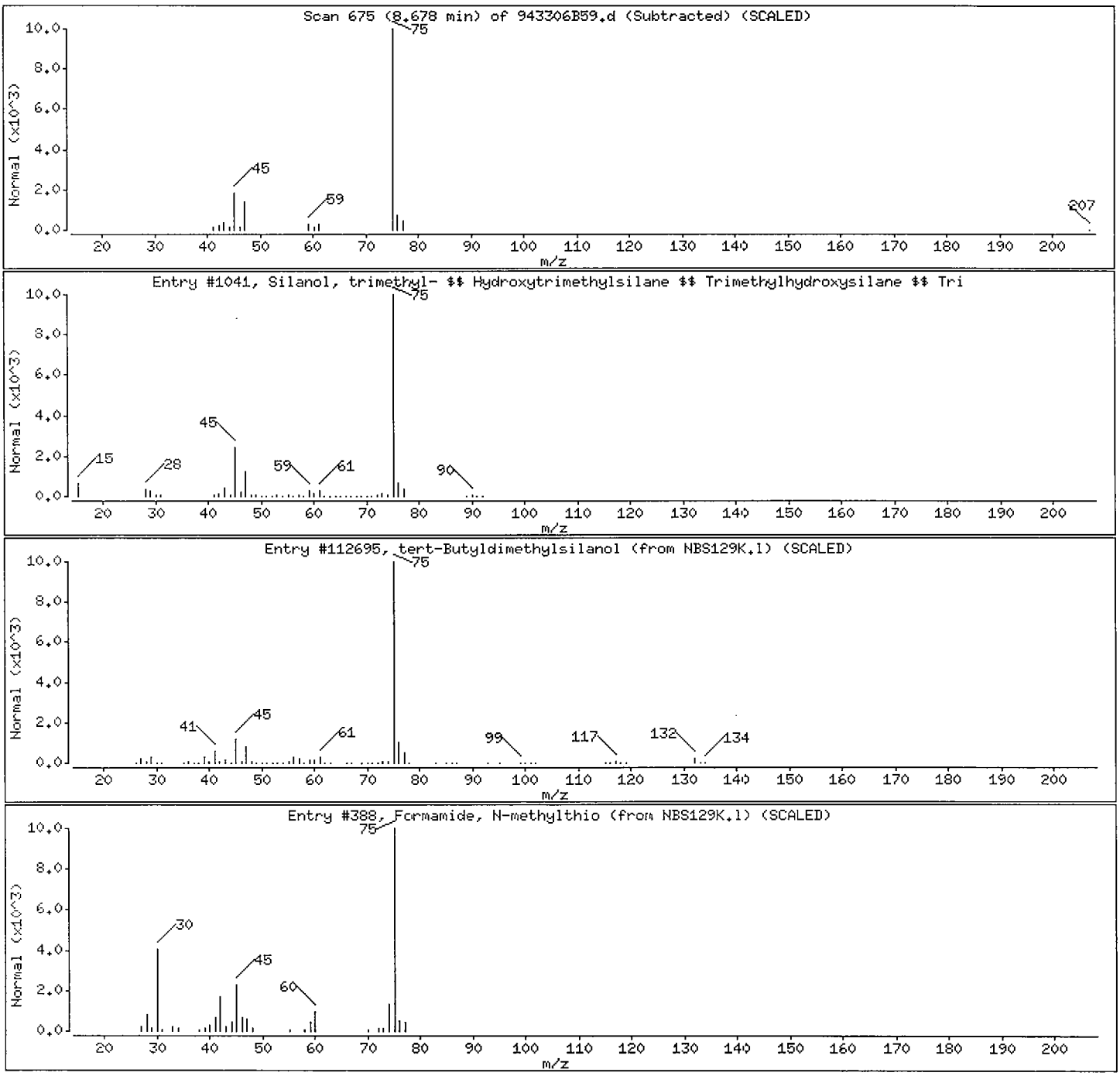
Client ID: ACSGWEB02-27 Instrument: 5972hp59.i

Sample Info: 943306;2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132
Formamide, N-methylthio	0-00-0	NBS129K.l	388	4	C2H5NS	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.75	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

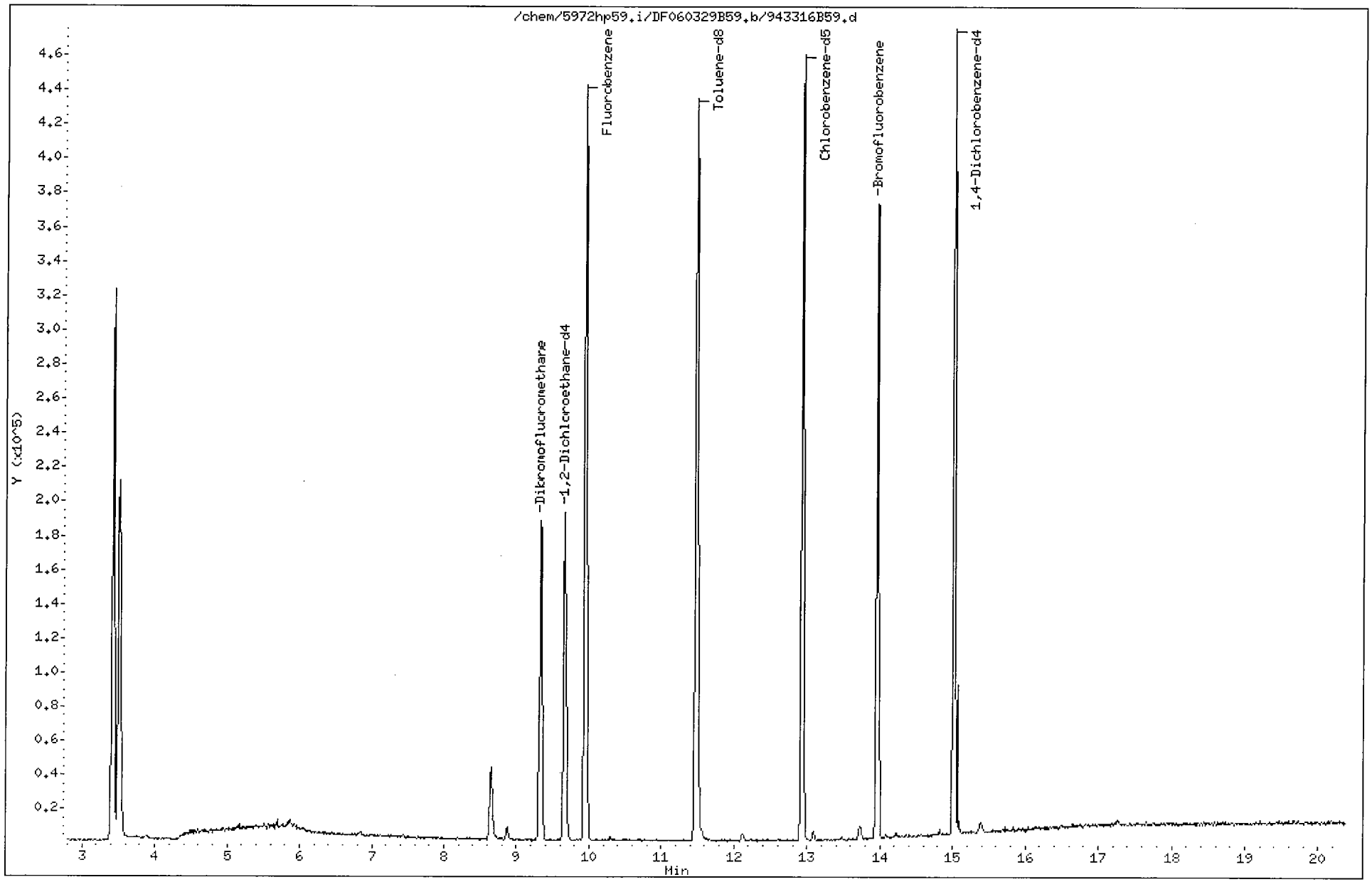
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.9	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d
Date : 30-MAR-2006 05:29
Client ID: ACSGWEB03-27
Sample Info: 943316:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

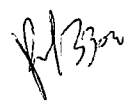
Data file : /chem/5972hp59.i/DF060329B59.b/943316B59.d
Lab Smp Id: 943316 Client Smp ID: ACSGWEB03-27
Inj Date : 30-MAR-2006 05:29
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943316:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.950	9.955	(1.000)	491599	250.000	
* 2 Chlorobenzene-d5	117	12.933	12.938	(1.000)	310781	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.020	15.026	(1.000)	143321	250.000	
$ 4 Dibromofluoromethane	113	9.330	9.335	(0.938)	139067	219.075	44
$ 5 1,2-Dichloroethane-d4	65	9.664	9.670	(0.971)	171100	257.258	51
$ 6 Toluene-d8	98	11.486	11.491	(0.888)	433879	232.883	47
$ 7 Bromofluorobenzene	95	13.957	13.962	(0.929)	178161	235.432	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					



Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d
Report Date: 30-Mar-2006 03:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	8.877	8.882	(0.892)	3717	5.97931	1.2(a)
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	11.555	11.560	(0.893)	4519	3.74828	0.75(a)
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d

Date : 30-MAR-2006 05:29

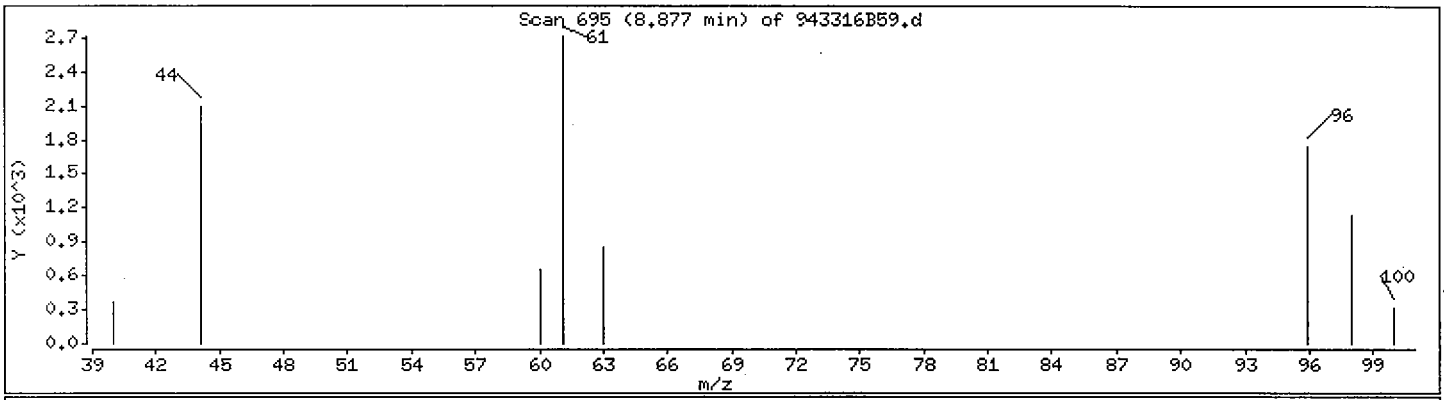
Client ID: ACSGWEB03-27 Instrument: 5972hp59.i

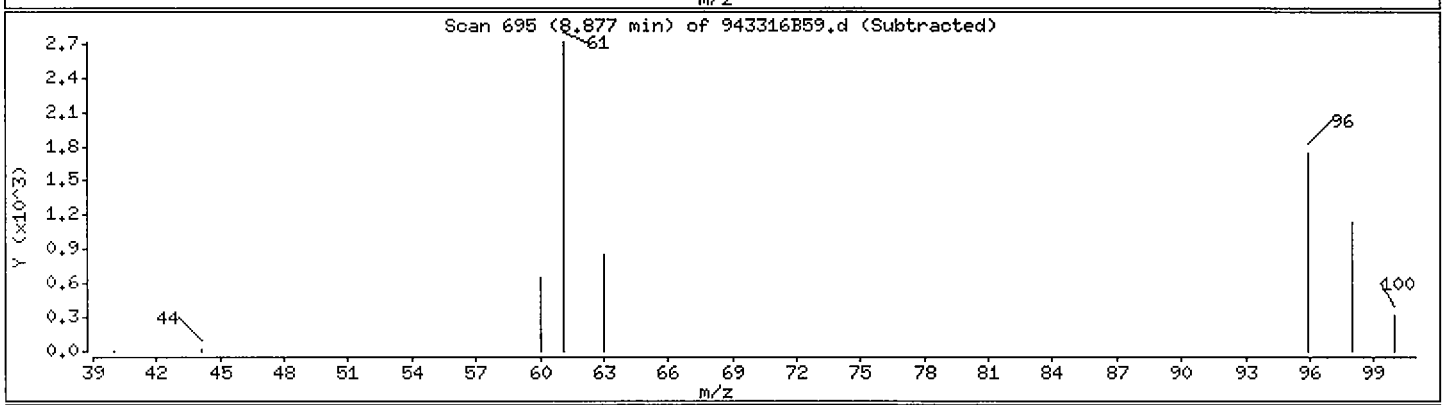
Sample Info: 943316:2481

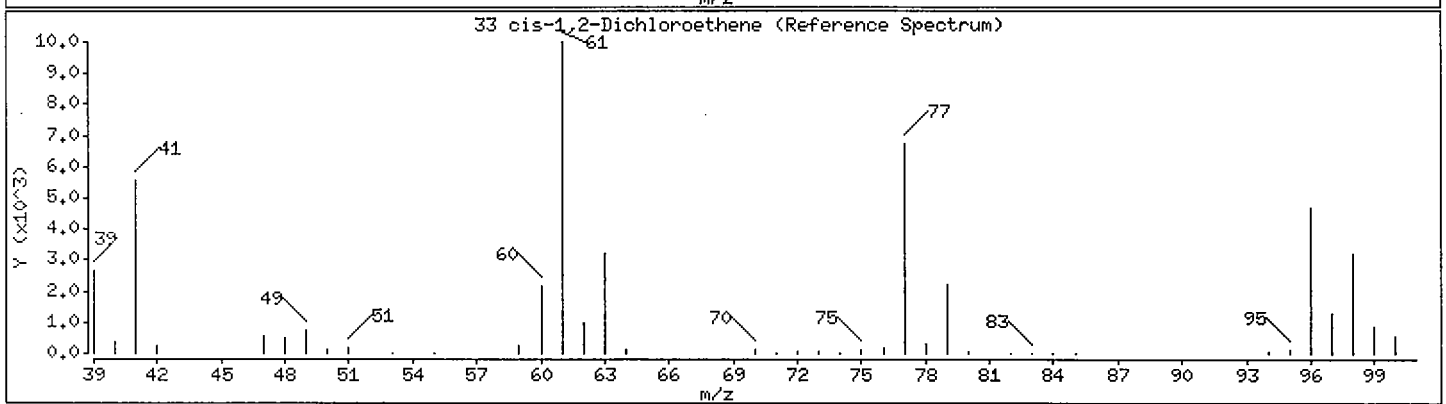
Purge Volume: 5.0 Operator: 2481

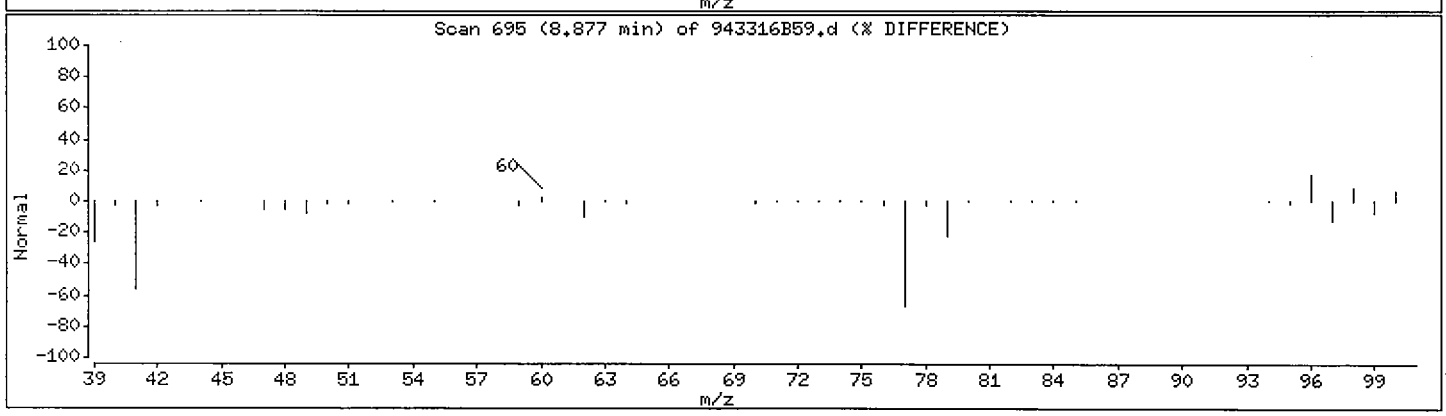
Column phase: ZB-624 Column diameter: 0.32

33 cis-1,2-Dichlorcethene Concentration: 1.2 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d

Date : 30-MAR-2006 05:29

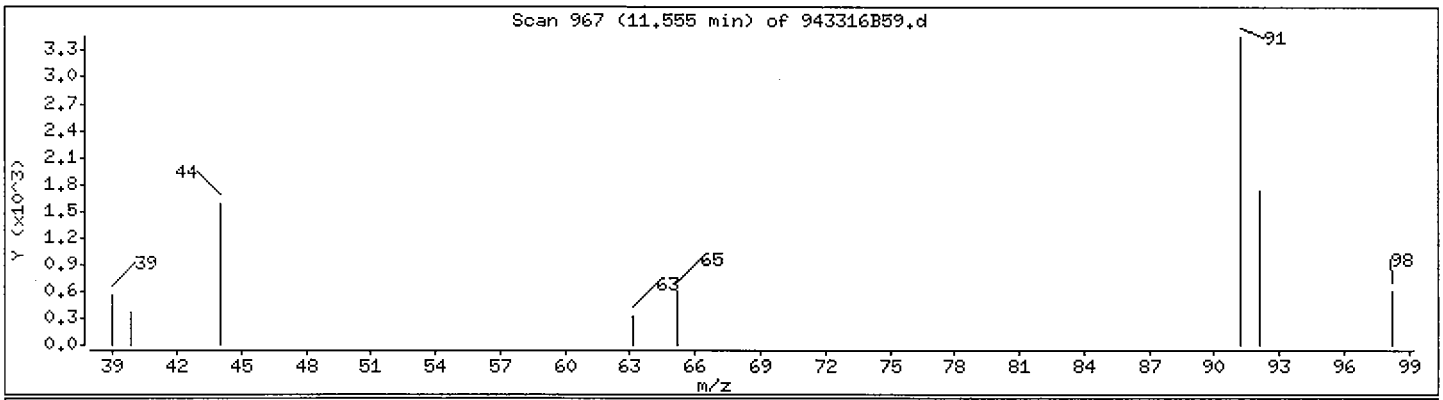
Client ID: ACSGWEB03-27 Instrument: 5972hp59.i

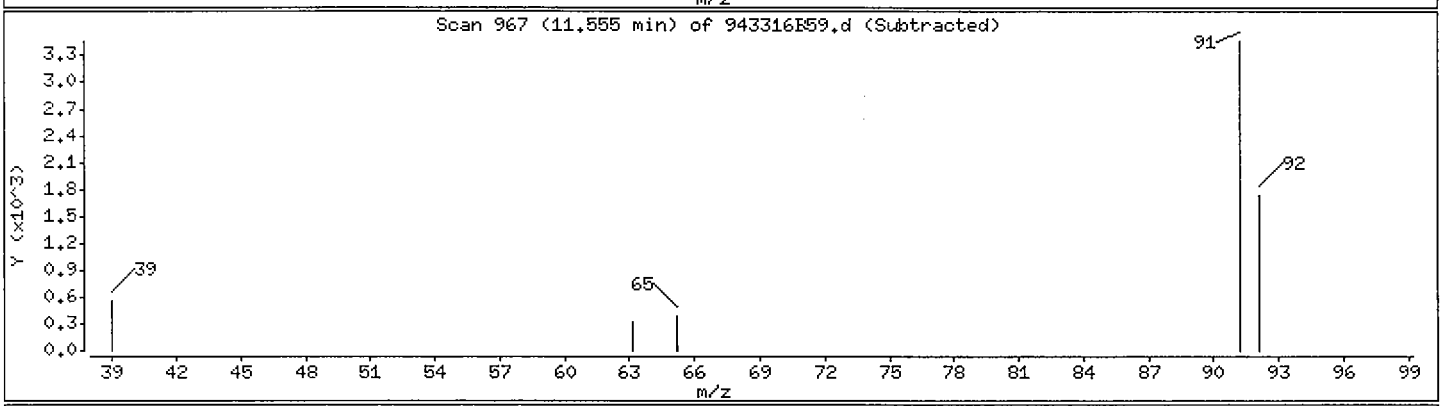
Sample Info: 943316:2481

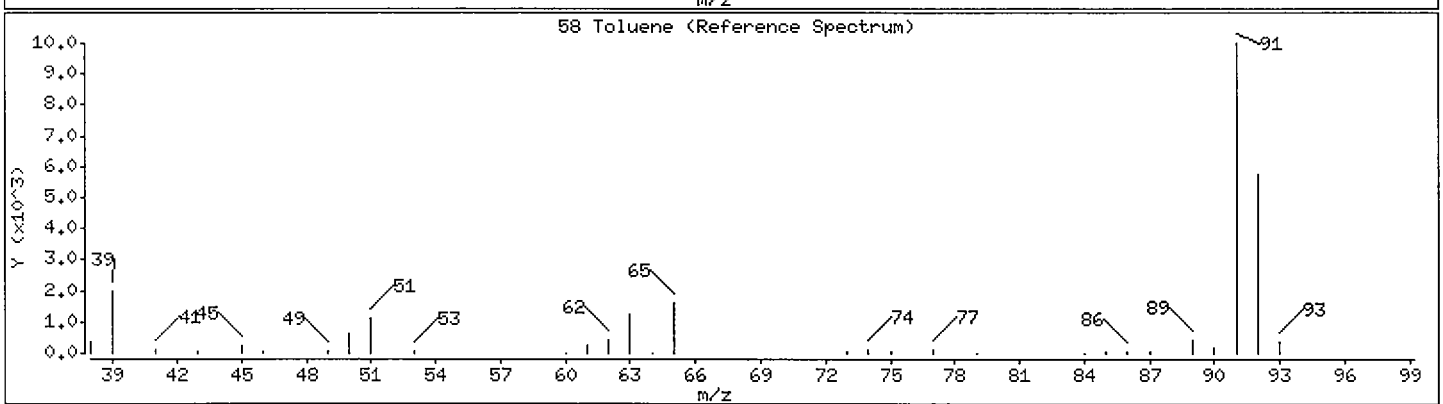
Purge Volume: 5.0 Operator: 2481

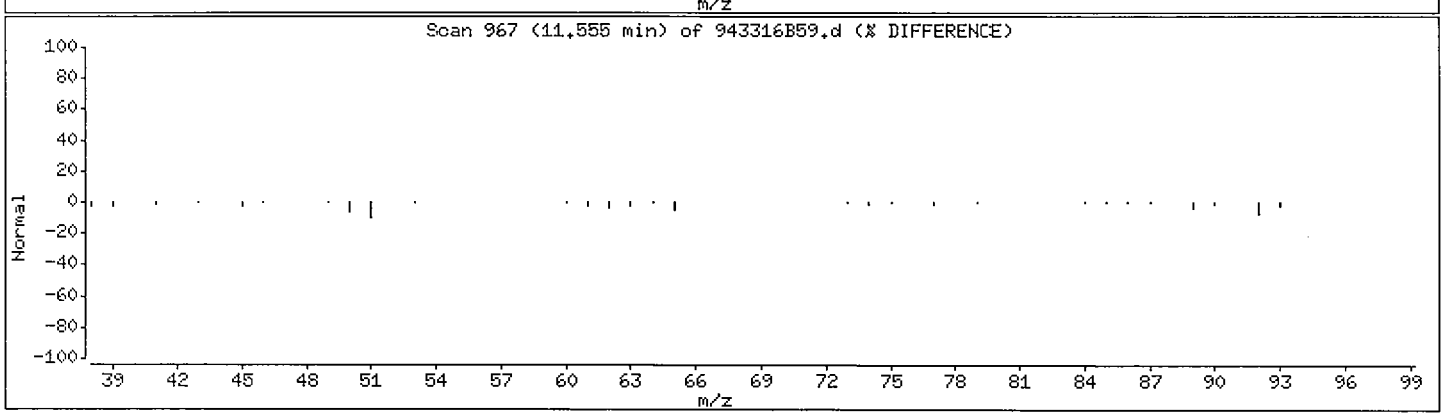
Column phase: ZB-624 Column diameter: 0.32

58 Toluene Concentration: 0.75 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943316B59.d
Lab Smp Id: 943316 Client Smp ID: ACSGWEB03-27
Inj Date : 30-MAR-2006 05:29
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943316:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.950	1108480	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.650	130824	29.5052322	5.9	0		0	1

Data File: /chem/5972hp59.i/DF060329B59.b/943316B59.d

Date : 30-MAR-2006 05:29

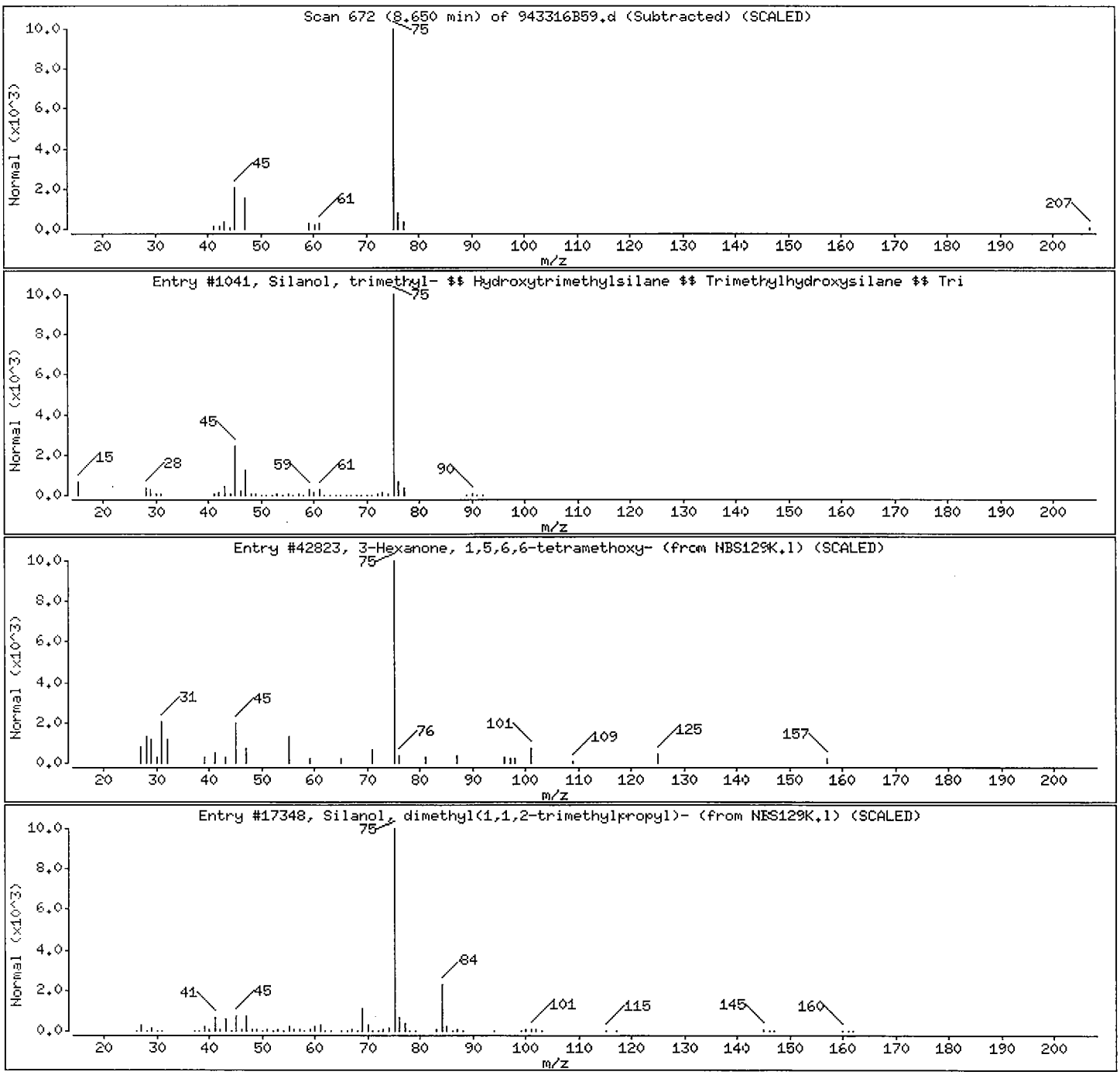
Client ID: ACSGWEB03-27 Instrument: 5972hp59.i

Sample Info: 943316:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
3-Hexanone, 1,5,6,6-tetramethoxy-	53914-29-7	NBS129K.l	42823	43	C10H20O5	220
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	9	C8H20OSi	160



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	14	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

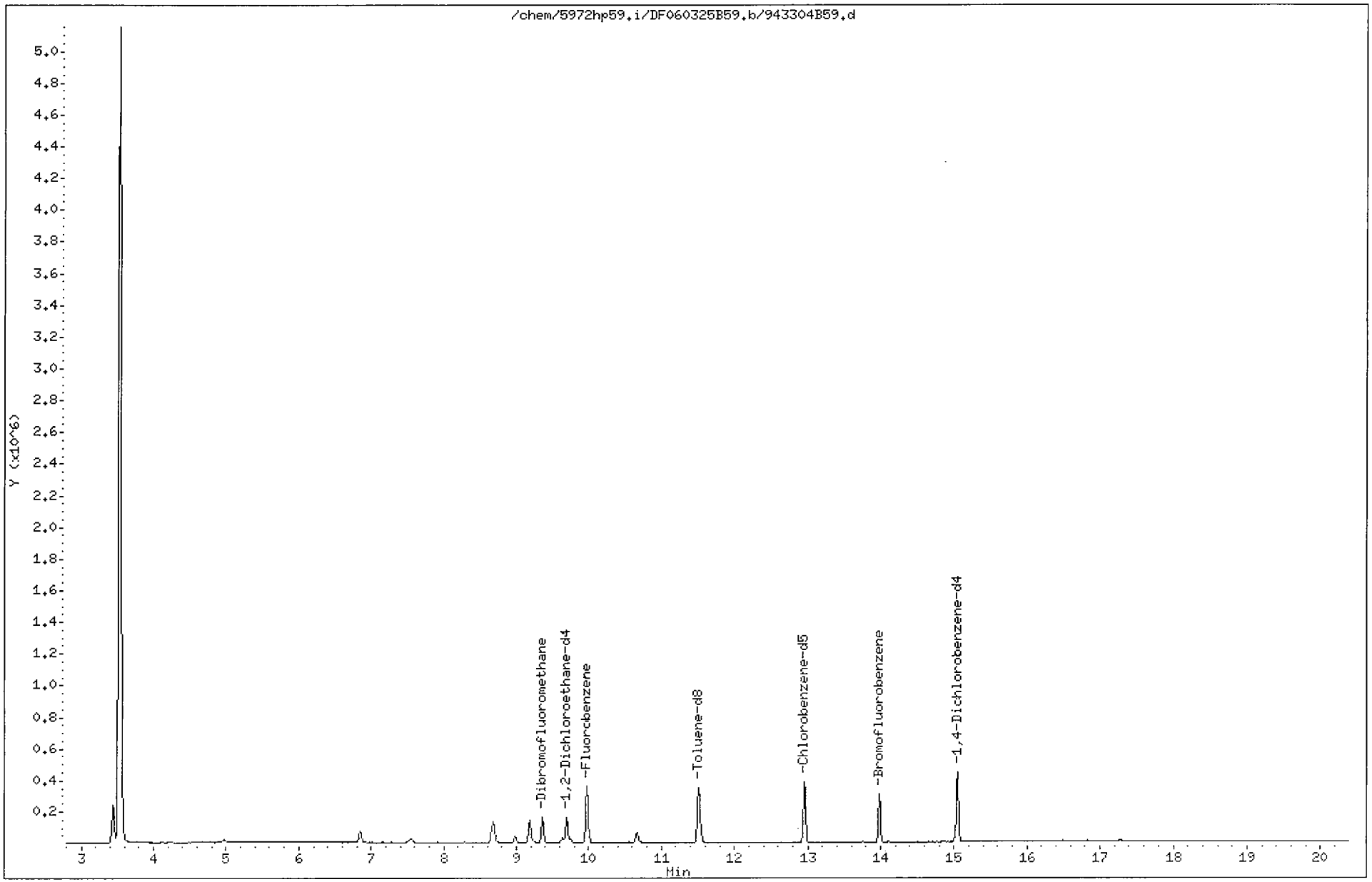
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	6.5	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	24	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	21	NJ
5.	123-91-1	1,4-DIOXANE	10.66	11	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d
Date : 26-MAR-2006 03:15
Client ID: ACSGWLA11-27
Instrument: 5972hp59.i
Sample Info: 943304:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943304B59.d
Lab Smp Id: 943304 Client Smp ID: ACSGWLA11-27
Inj Date : 26-MAR-2006 03:15
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943304:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.982	9.976	(1.000)	409445	250.000	
* 2 Chlorobenzene-d5	117	12.955	12.959	(1.000)	257915	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.042	15.046	(1.000)	120768	250.000	
$ 4 Dibromofluoromethane	113	9.361	9.356	(0.938)	114918	217.356	43
$ 5 1,2-Dichloroethane-d4	65	9.696	9.690	(0.971)	138256	249.584	50
$ 6 Toluene-d8	98	11.518	11.512	(0.889)	359507	232.517	47
$ 7 Bromofluorobenzene	95	13.989	13.983	(0.930)	149154	233.908	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.871	6.875	(0.688)	9653	72.2695	14
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d
Report Date: 28-Mar-2006 05:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

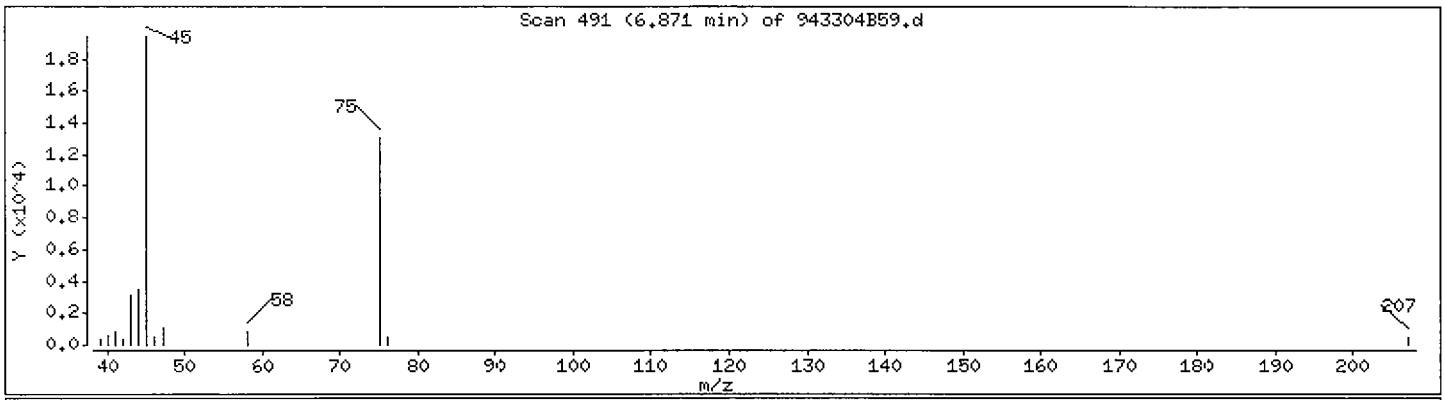
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

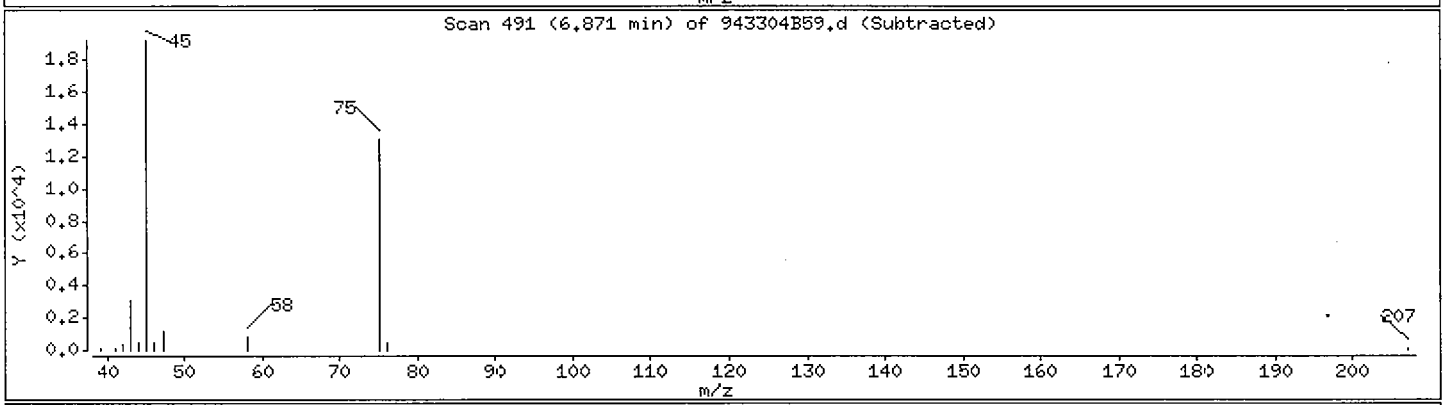
Sample Info: 943304:2481

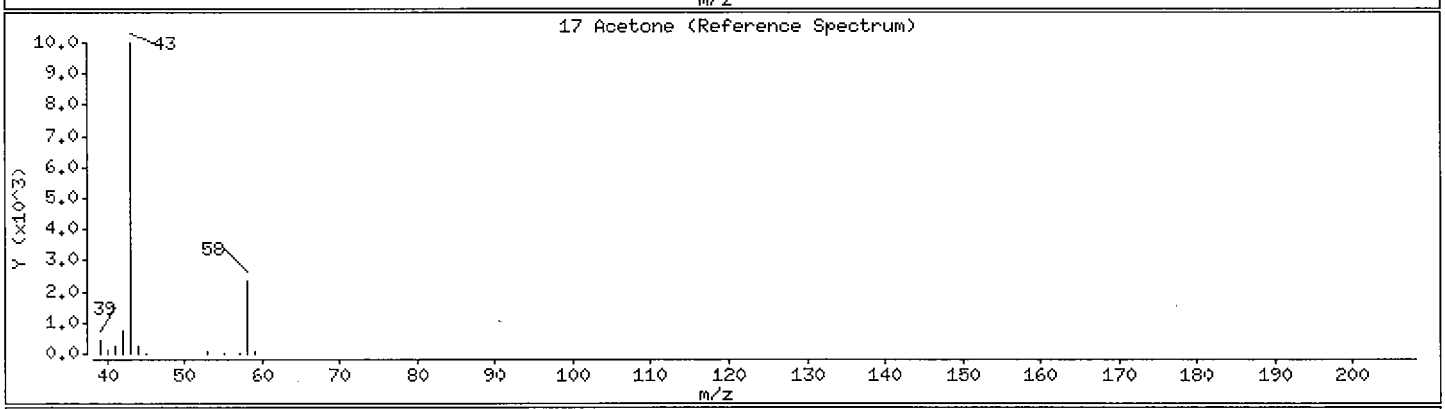
Purge Volume: 5.0 Operator: 2481

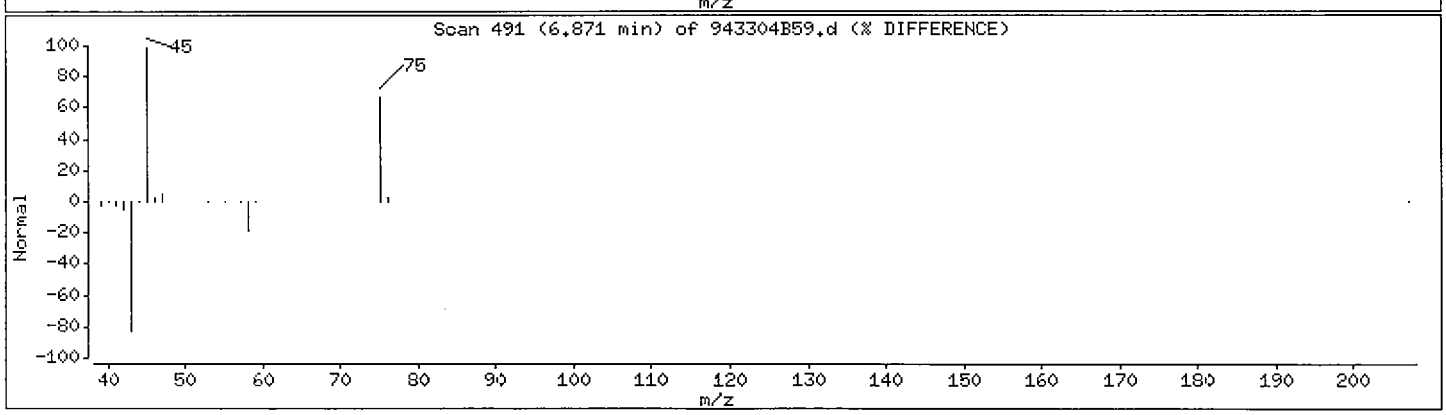
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 14 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943304B59.d
Lab Smp Id: 943304 Client Smp ID: ACSGWLA11-27
Inj Date : 26-MAR-2006 03:15
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943304:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.982	916654	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy-				CAS #: 109-87-5			
6.851	296340	80.8211139	16	90	NBS129K.l	108386	1
Unknown				CAS #:			
7.540	119037	32.4650015	6.5	0		0	1
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
8.682	437268	119.256510	24	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d
Report Date: 28-Mar-2006 05:21

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Furan, tetrahydro-				CAS #: 109-99-9			
9.184	385827	105.226969	21	91	NBS129K.l	108257	1
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$				CAS #: 123-91-1			
10.661	209945	57.2584166	11	91	NBS129K.l	913	1

Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

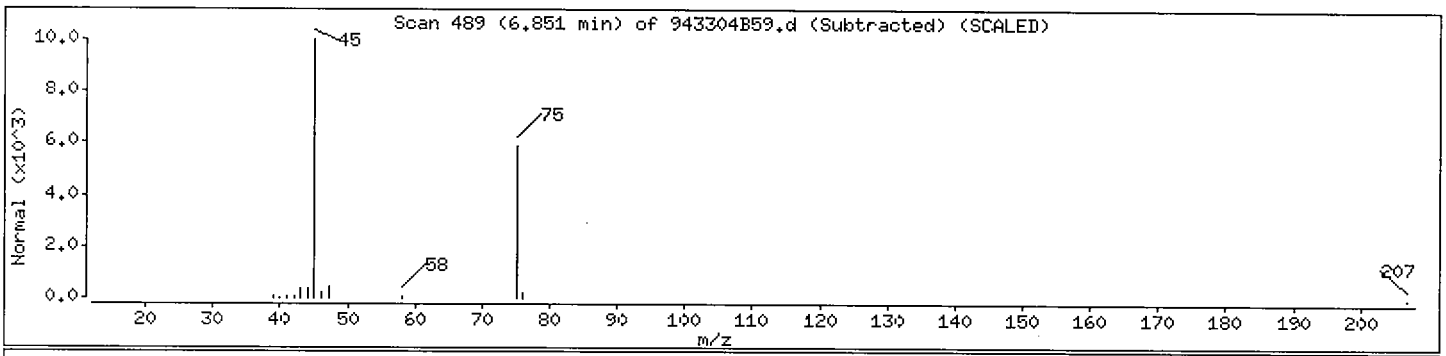
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

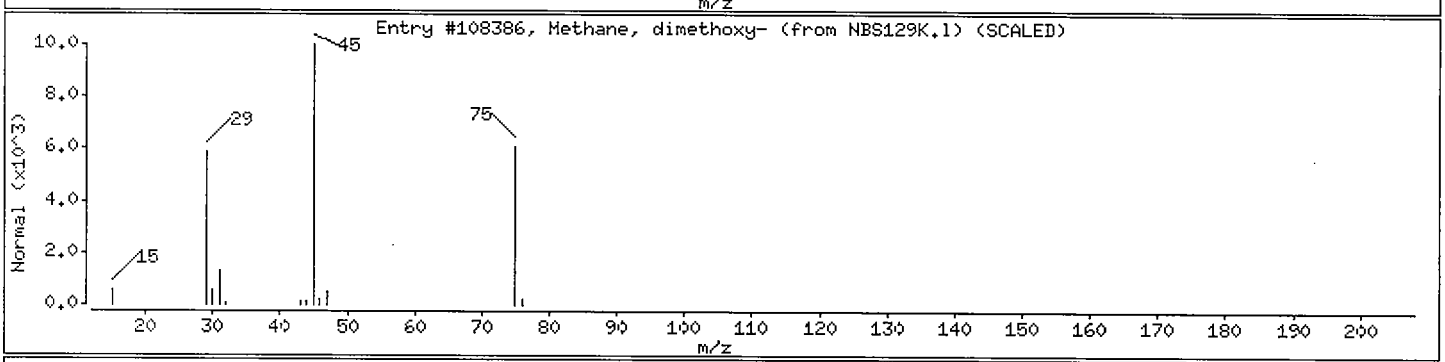
Sample Info: 943304:2481

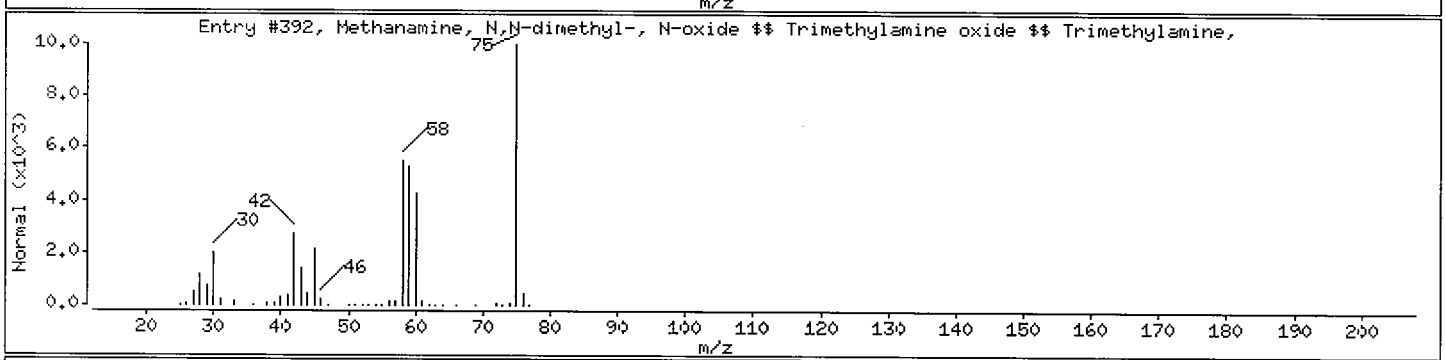
Purge Volume: 5.0 Operator: 2481

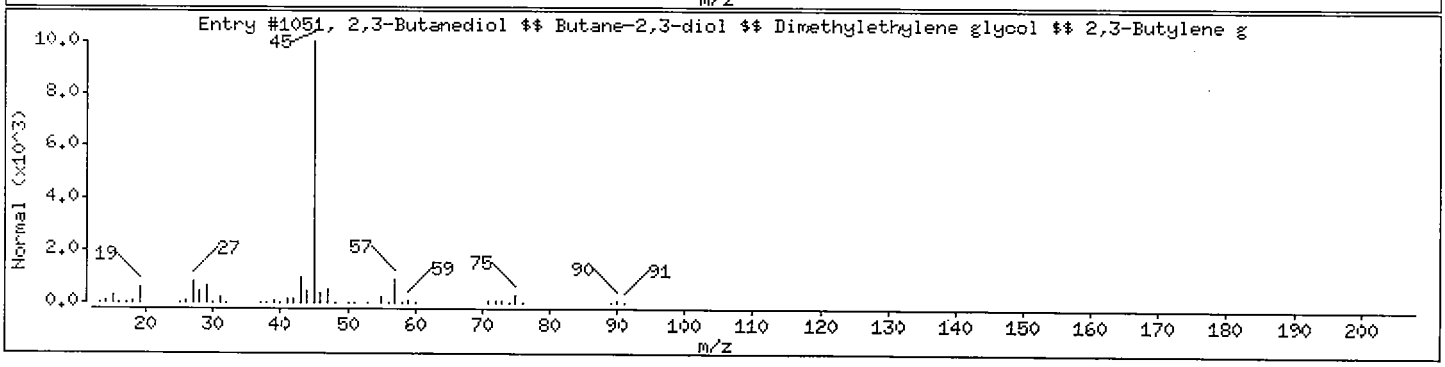
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy-	109-87-5	NBS129K.l	108386	90	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	9	C3H9NO	75
2,3-Butanediol $$ Butane-2,3-diol $$ Dim	513-85-9	NBS129K.l	1051	9	C4H10O2	90









Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

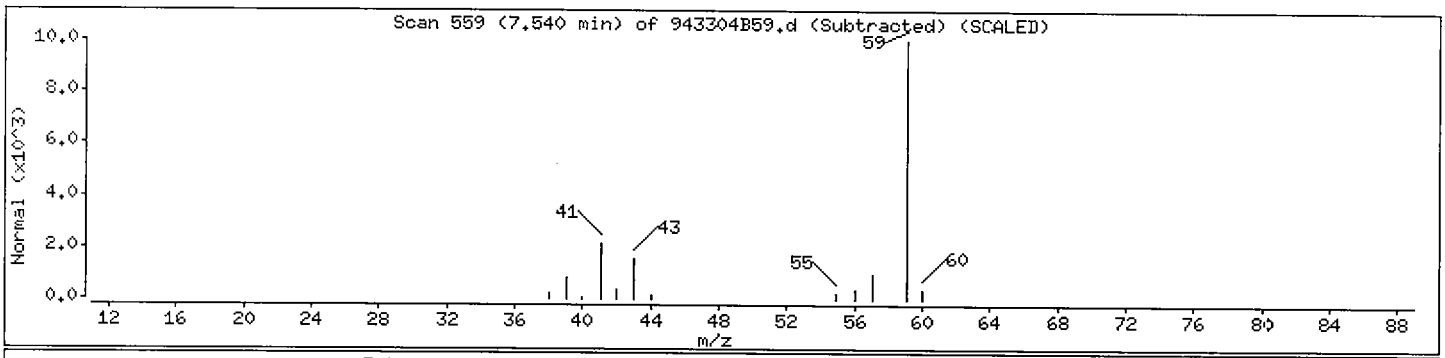
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

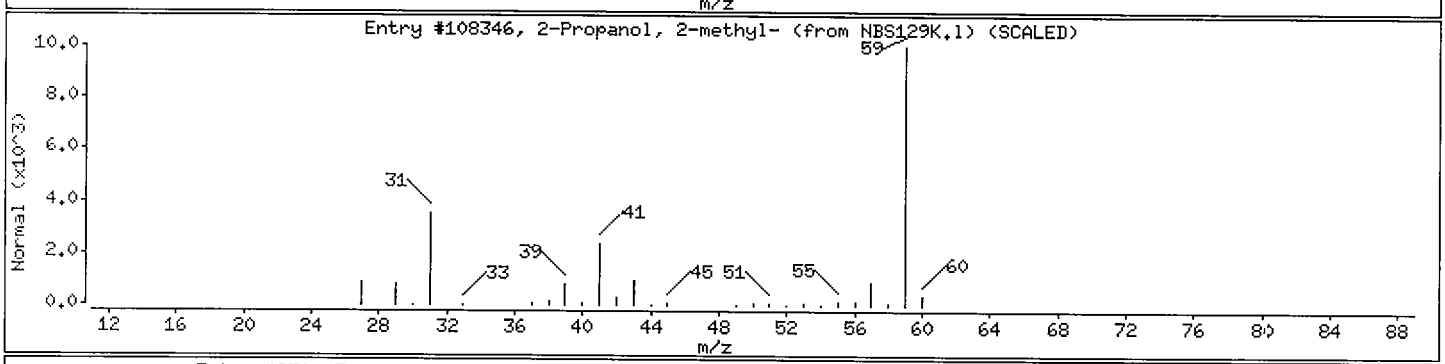
Sample Info: 943304:2481

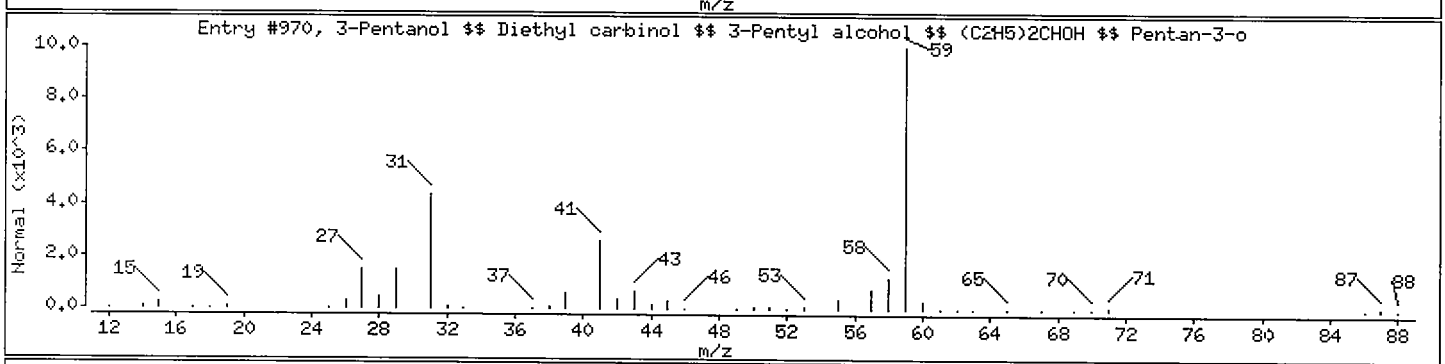
Purge Volume: 5.0 Operator: 2481

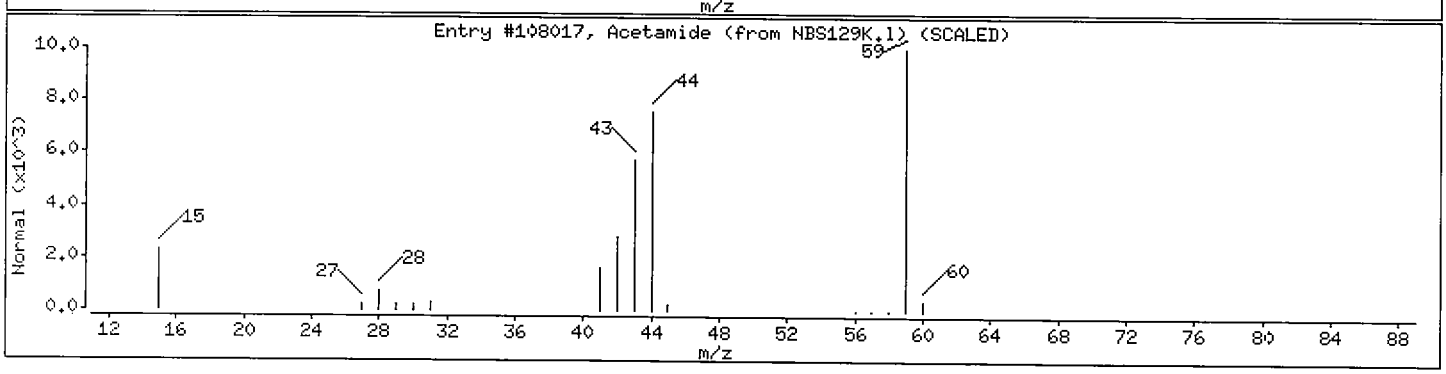
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108346	83	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	74	C5H12O	88
Acetamide	60-35-5	NBS129K.l	108017	5	C2H5NO	59









Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

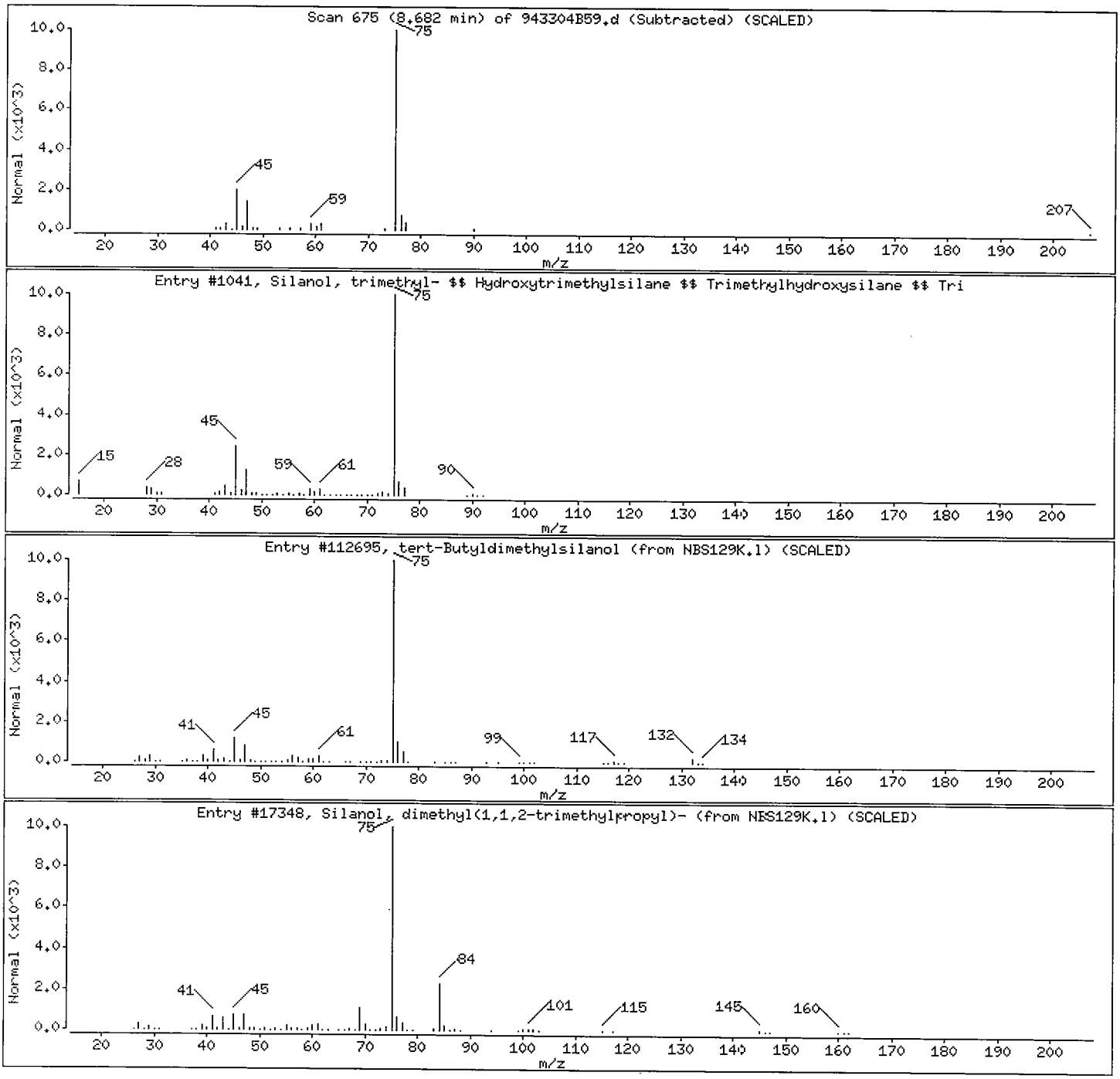
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

Sample Info: 943304:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	56	C8H20OSi	160



Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

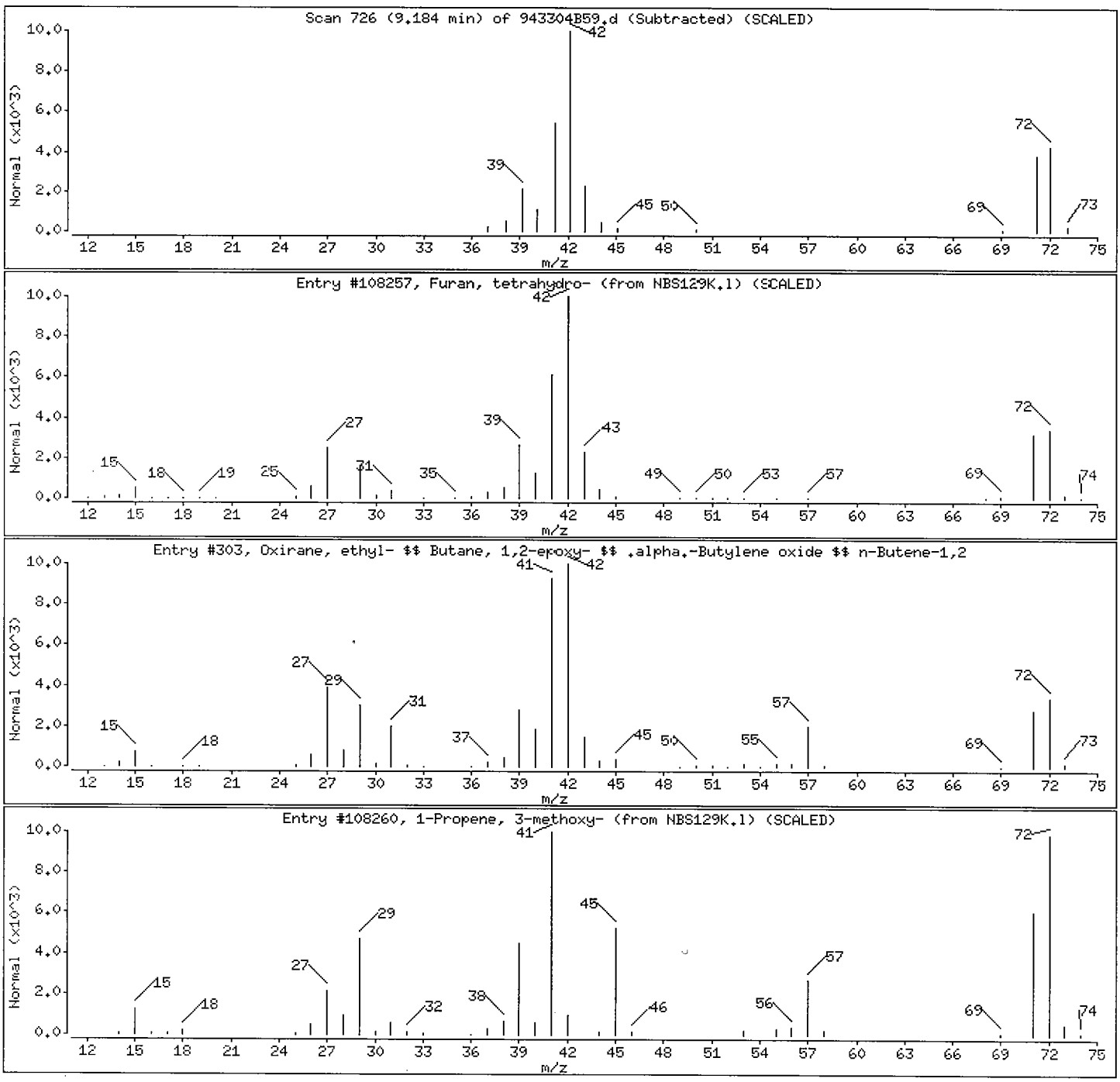
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

Sample Info: 943304:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	58	C4H8O	72
1-Propene, 3-methoxy-	627-40-7	NBS129K.l	108260	43	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/943304B59.d

Date : 26-MAR-2006 03:15

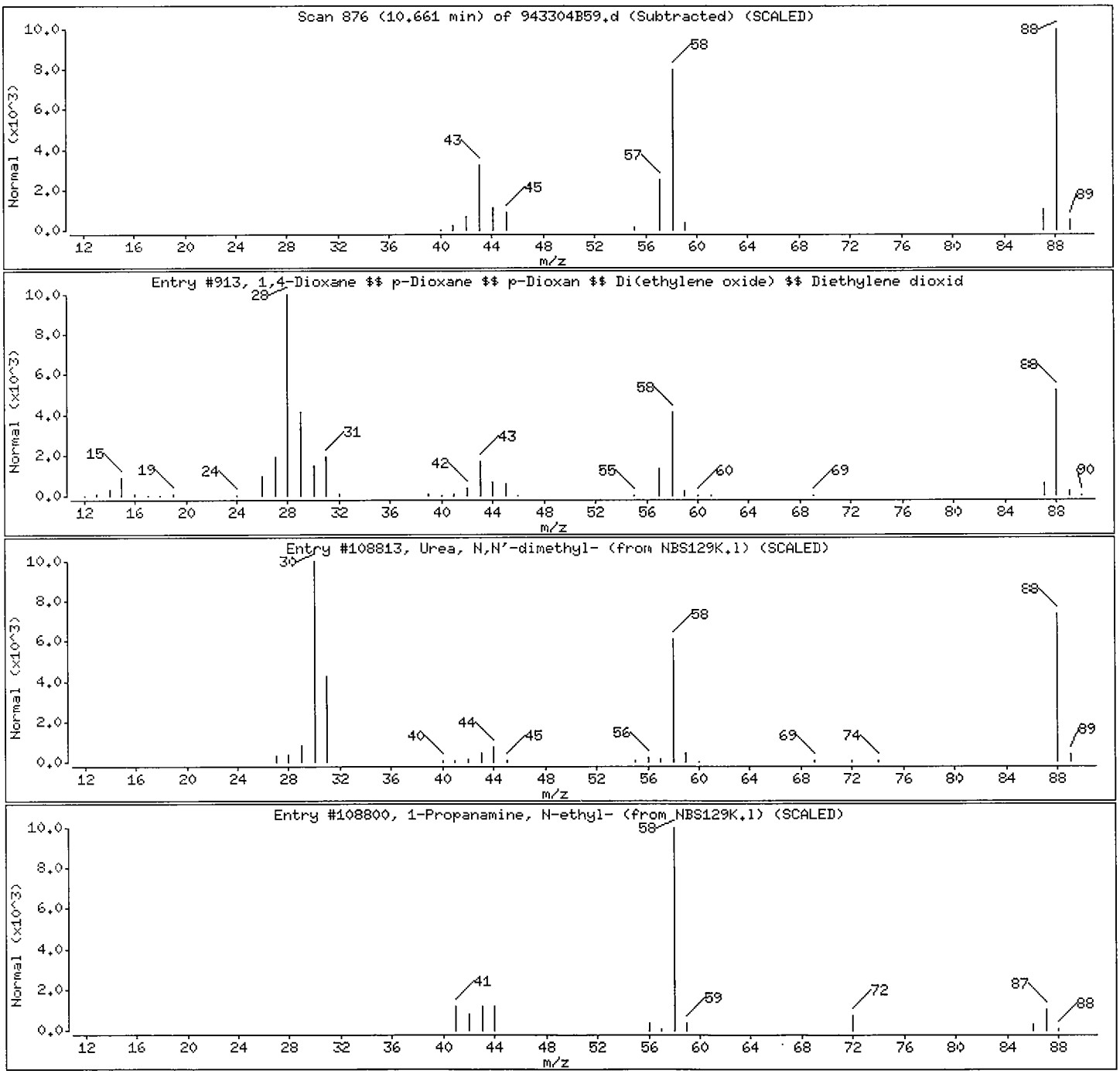
Client ID: ACSGWLA11-27 Instrument: 5972hp59.i

Sample Info: 943304:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$	123-91-1	NBS129K.l	913	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	38	C5H13N	87



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	8.4	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

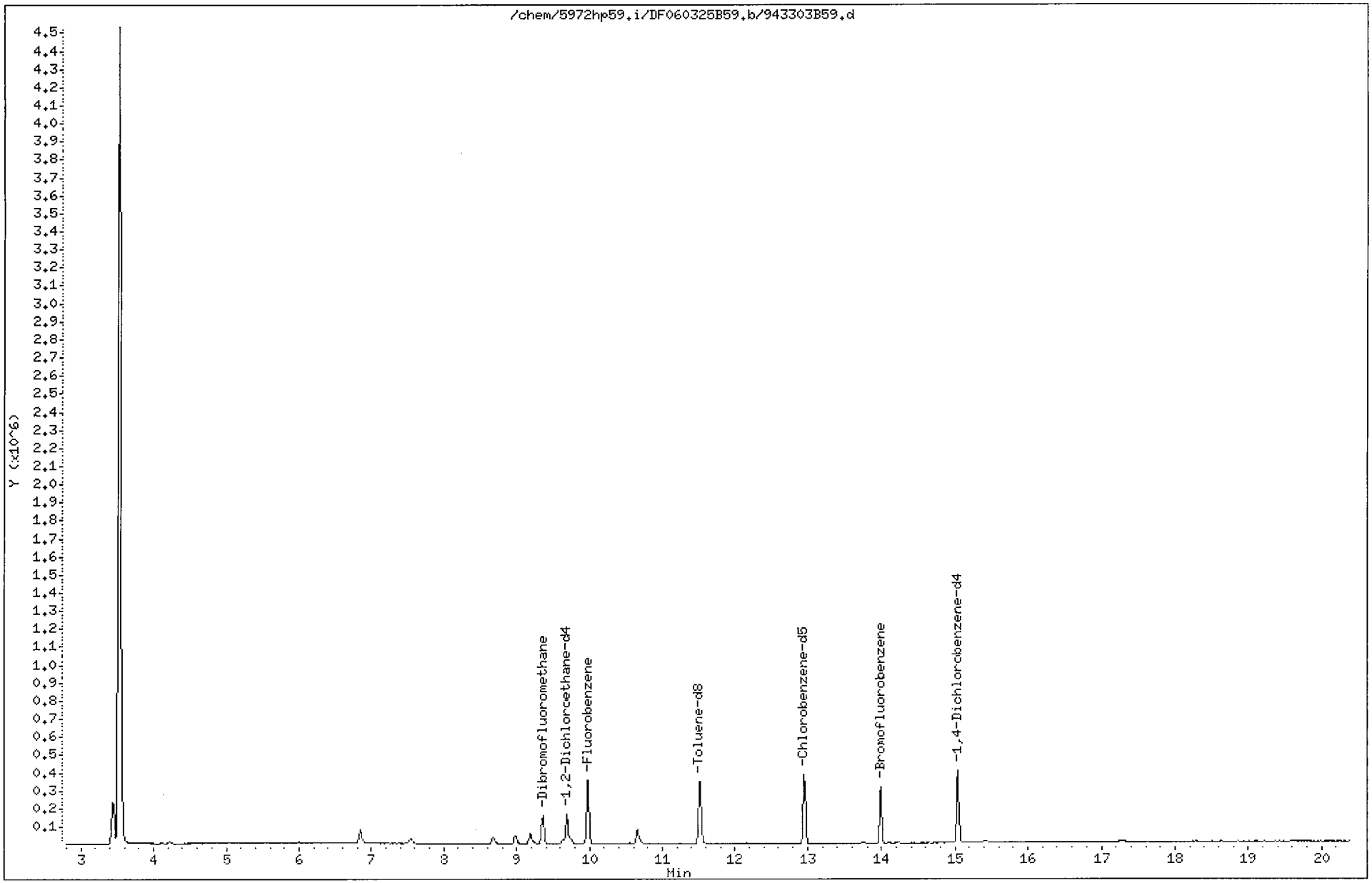
Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	7.7	J
3.		UNKNOWN	8.68	6.3	J
4.	646-06-0	1,3-DIOXOLANE	8.99	6.6	NJ
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	9.7	NJ
6.	123-91-1	1,4-DIOXANE	10.66	13	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d
Date : 26-MAR-2006 02:46
Client ID: ACSGWLA12-27
Instrument: 5972hp59.i
Sample Info: 943303;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943303B59.d
Lab Smp Id: 943303 Client Smp ID: ACSGWLA12-27
Inj Date : 26-MAR-2006 02:46
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943303:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.982	9.976	(1.000)	409165	250.000	
* 2 Chlorobenzene-d5	117	12.955	12.959	(1.000)	257659	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.042	15.046	(1.000)	122504	250.000	
$ 4 Dibromofluoromethane	113	9.362	9.356	(0.938)	115330	218.285	44
$ 5 1,2-Dichloroethane-d4	65	9.697	9.690	(0.971)	140609	254.006	51
$ 6 Toluene-d8	98	11.518	11.512	(0.889)	361487	234.030	47
$ 7 Bromofluorobenzene	95	13.989	13.983	(0.930)	148323	229.309	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.871	6.875	(0.688)	6936	41.9765	8.4(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d
Report Date: 28-Mar-2006 05:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

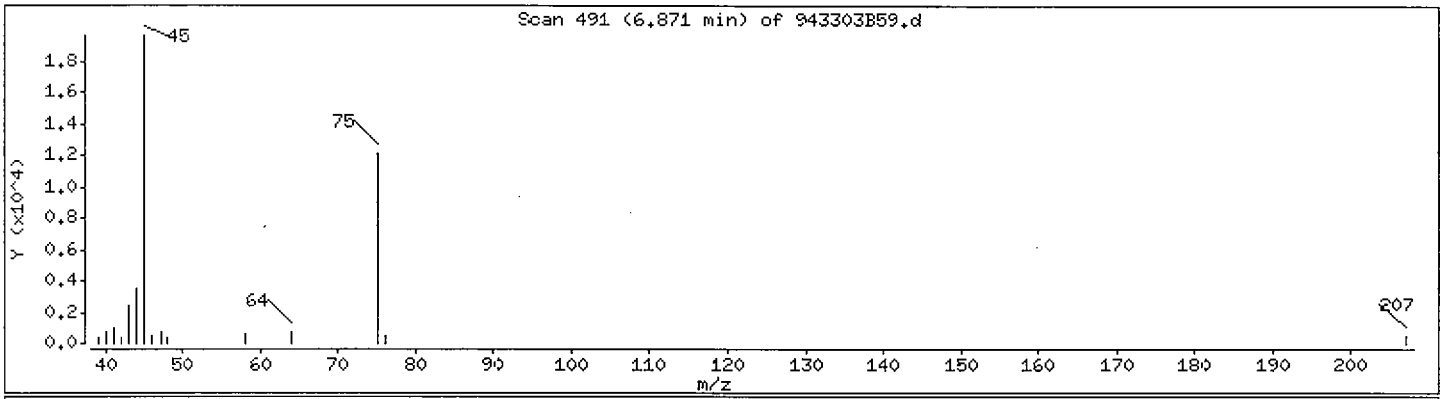
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

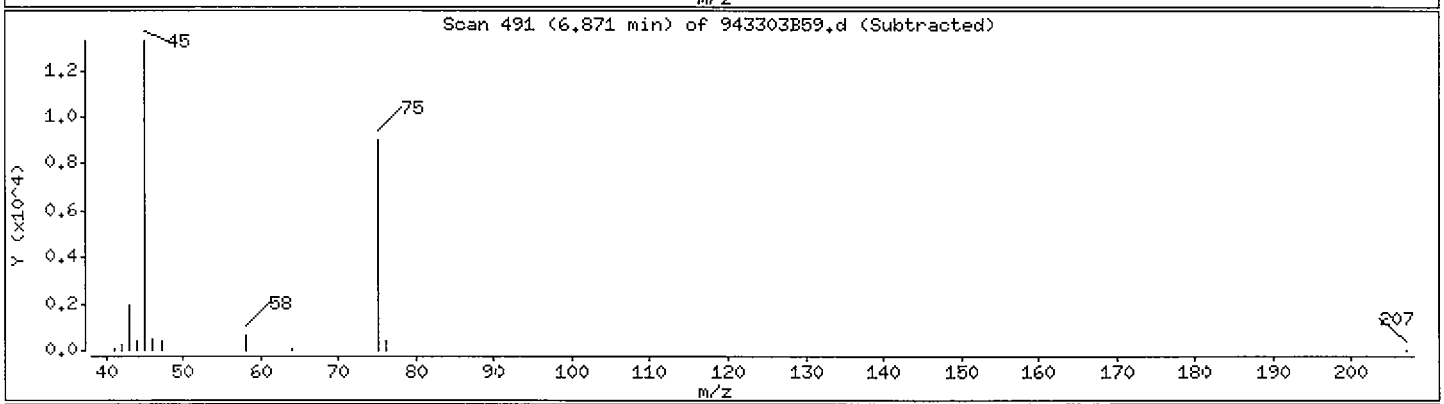
Sample Info: 943303:2481

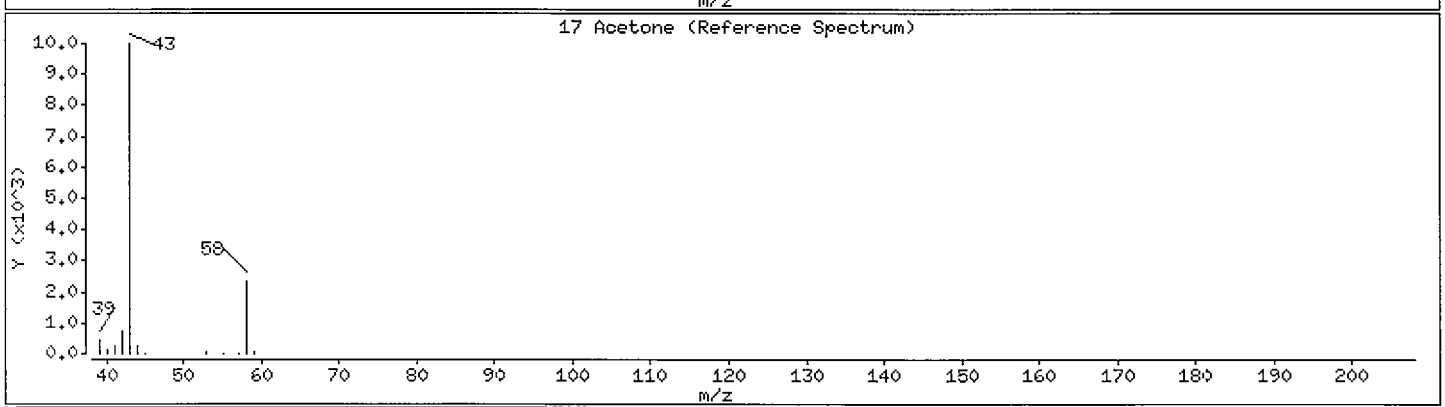
Purge Volume: 5.0 Operator: 2481

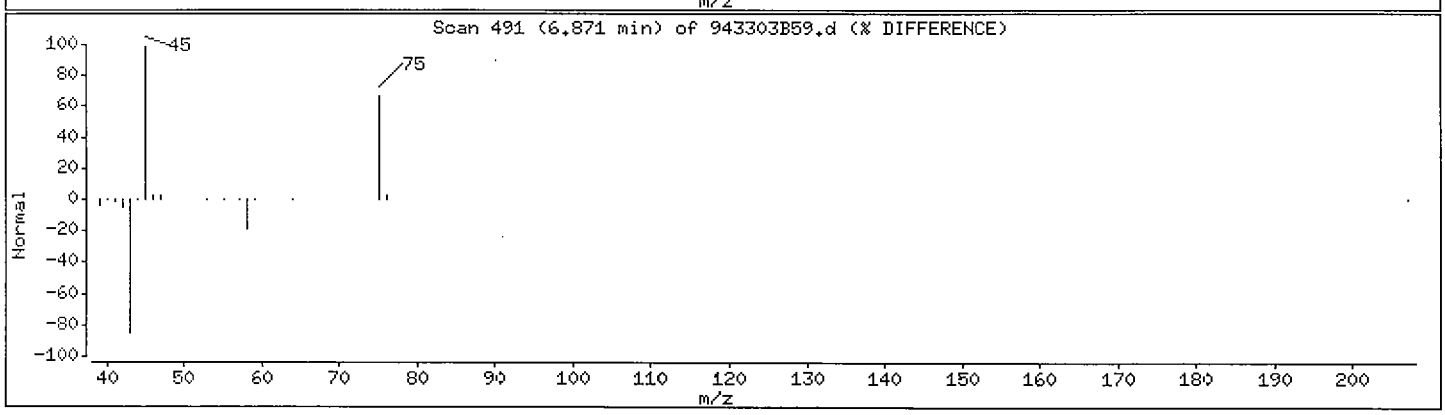
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 8.4 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943303B59.d
Lab Smp Id: 943303 Client Smp ID: ACSGWLA12-27
Inj Date : 26-MAR-2006 02:46
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943303:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.982	909044	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy- $$ Anesthenyl $$ Dim				CAS #: 109-87-5			
6.851	285096	78.4054299	16	90	NBS129K.l	419	1
Unknown				CAS #:			
7.541	139952	38.4887506	7.7	0		0	1
Unknown				CAS #:			
8.683	113802	31.2970713	6.3	0		0	1

Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d
Report Date: 28-Mar-2006 05:21

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1,3-Dioxolane $$ Ethylene glycol, formal				CAS #: 646-06-0			
8.988	119939	32.9850485	6.6	90	NBS129K.l	356	1
Furan, tetrahydro- $$ Butane .alpha.,.de				CAS #: 109-99-9			
9.185	176327	48.4924216	9.7	90	NBS129K.l	306	1
1,4-Dioxane				CAS #: 123-91-1			
10.661	228341	62.7969674	13	91	NBS129K.l	108820	1

Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

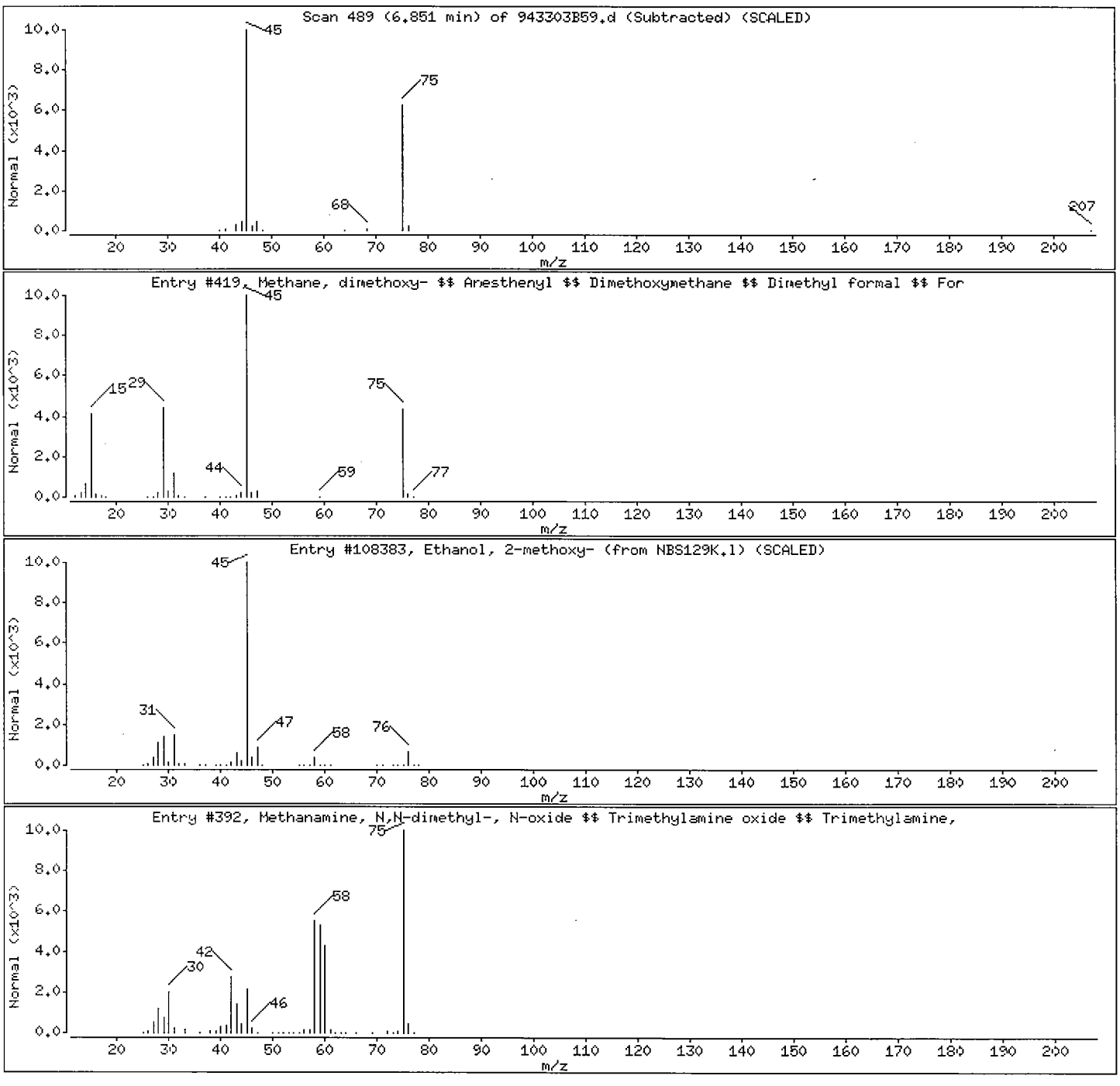
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy- $$ Anesthenyl $$ Dim	109-87-5	NBS129K.l	419	90	C3H8O2	76
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108383	5	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	5	C3H9NO	75



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

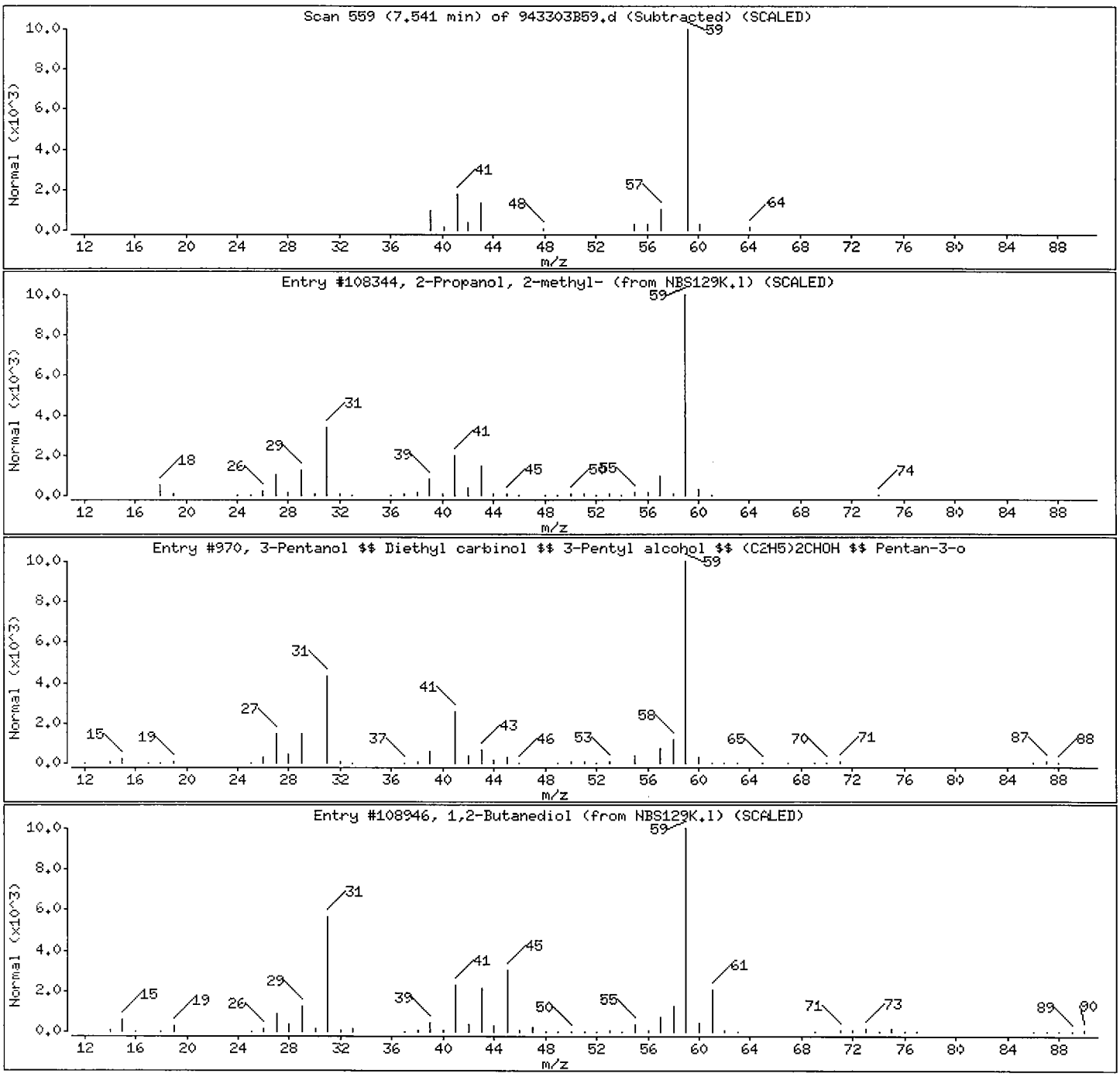
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108344	74	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	9	C5H12O	88
1,2-Butanediol	584-03-2	NBS129K.l	108946	9	C4H10O2	90



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

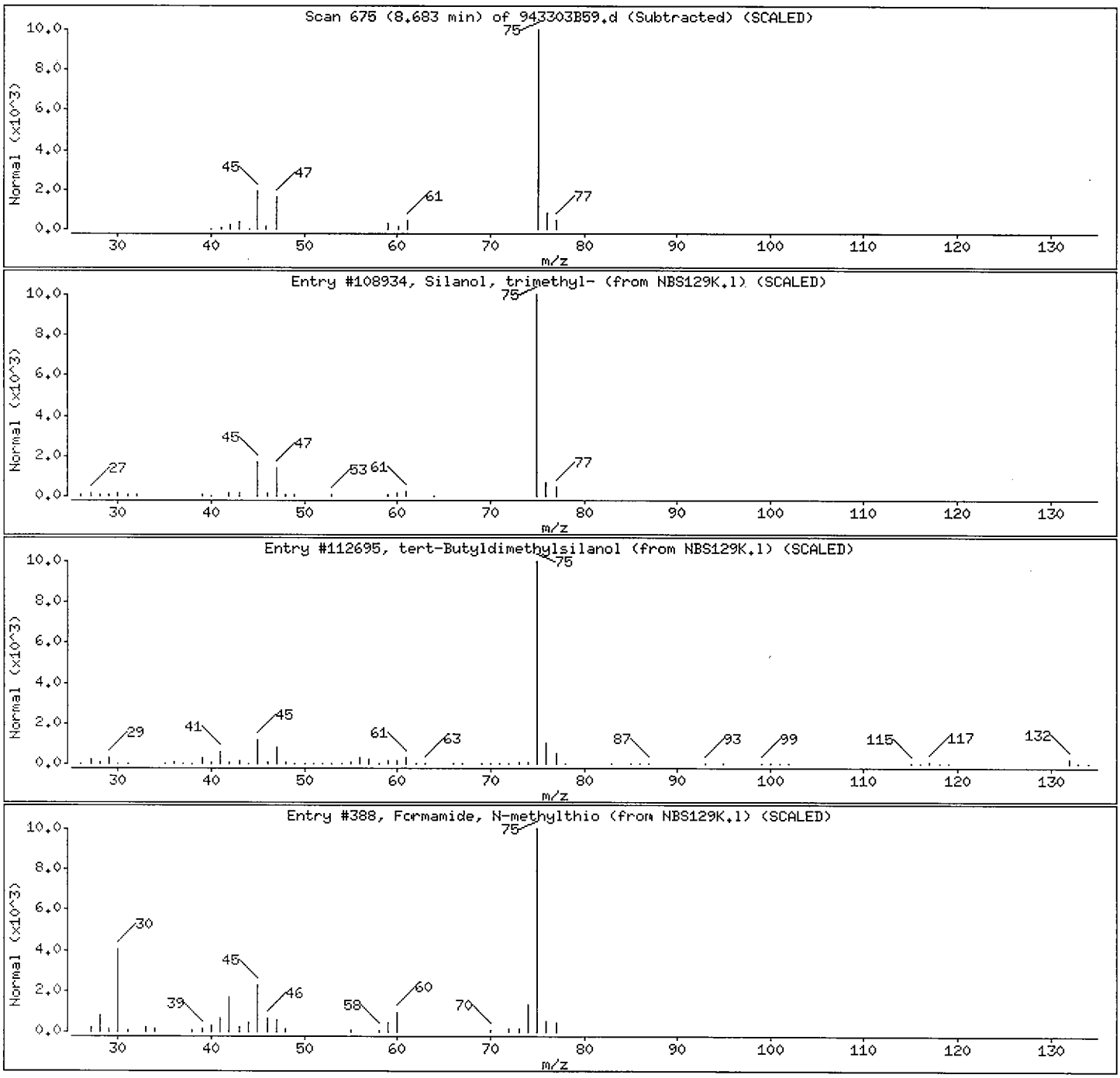
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	78	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	43	C6H16OSi	132
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

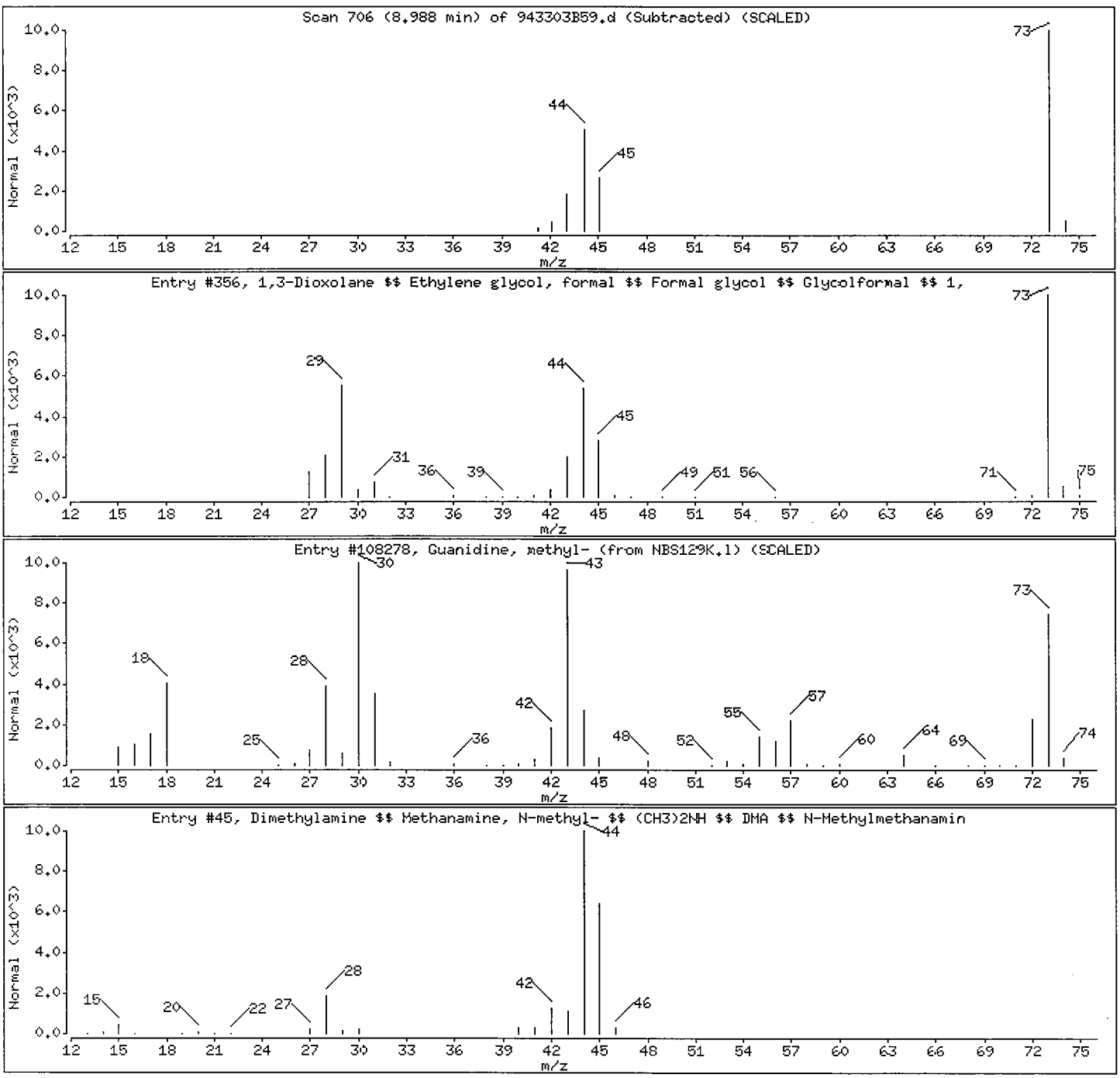
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Dioxolane $$ Ethylene glycol, formal	646-06-0	NBS129K.l	356	90	C3H6O2	74
Guanidine, methyl-	471-29-4	NBS129K.l	108278	7	C2H7N3	73
Dimethylamine $$ Methanamine, N-methyl-	124-40-3	NBS129K.l	45	7	C2H7N	45



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

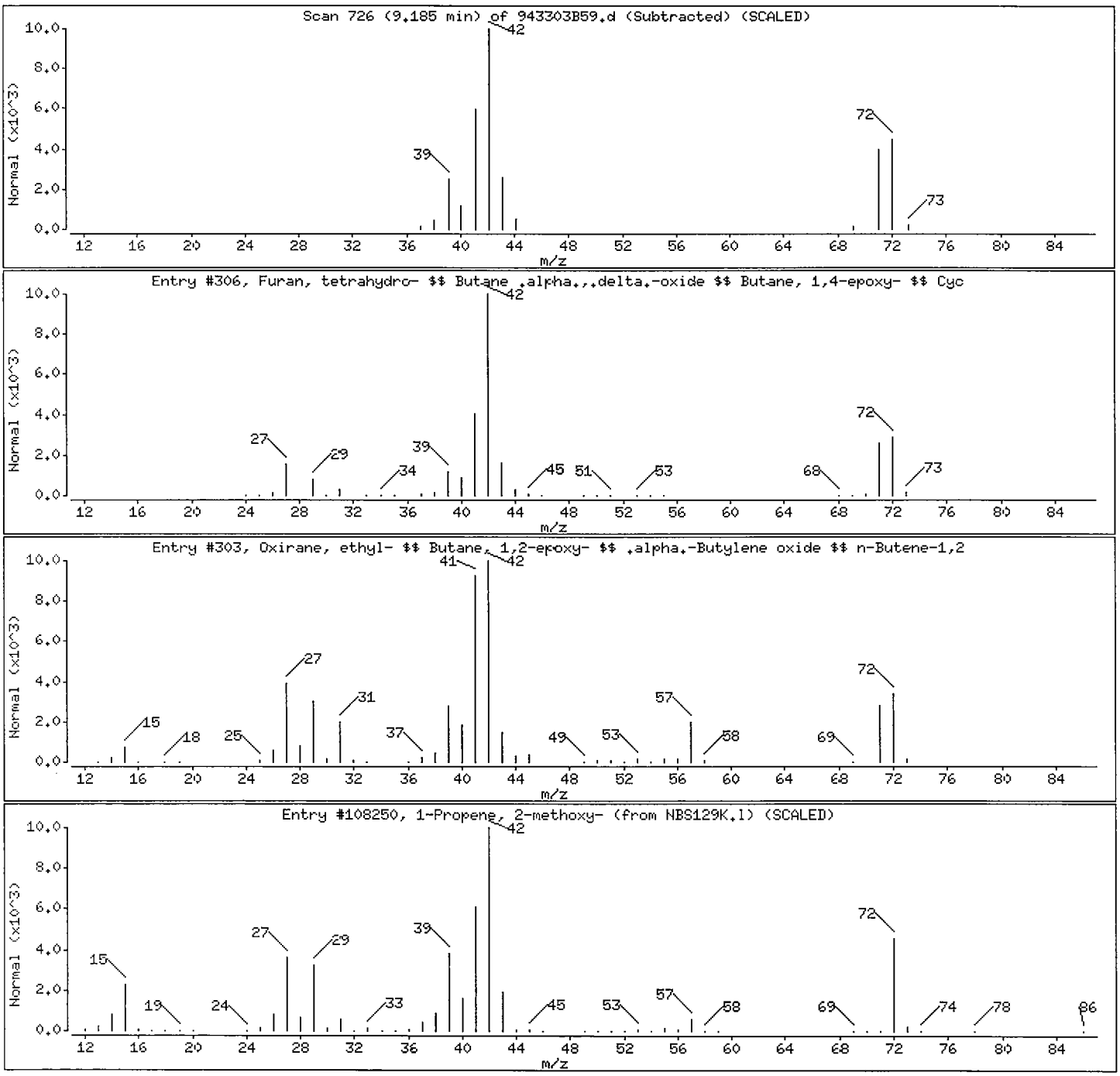
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro- $$ Butane ,alpha.,.de	109-99-9	NBS129K.l	306	90	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	83	C4H8O	72
1-Propene, 2-methoxy-	116-11-0	NBS129K.l	108250	53	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/943303B59.d

Date : 26-MAR-2006 02:46

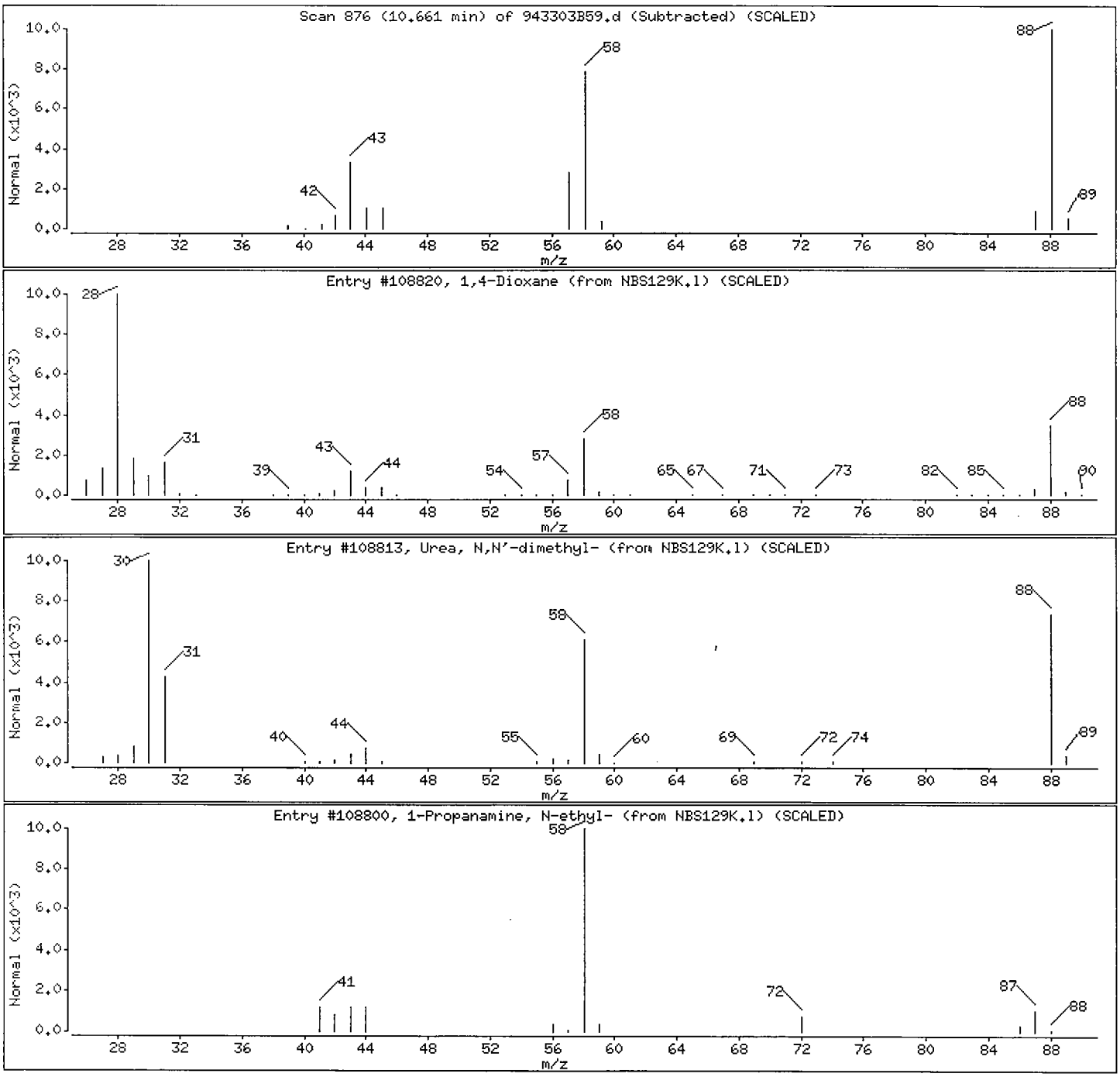
Client ID: ACSGWLA12-27 Instrument: 5972hp59.i

Sample Info: 943303:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	43	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	38	C5H13N	87



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	3.8	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.86	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

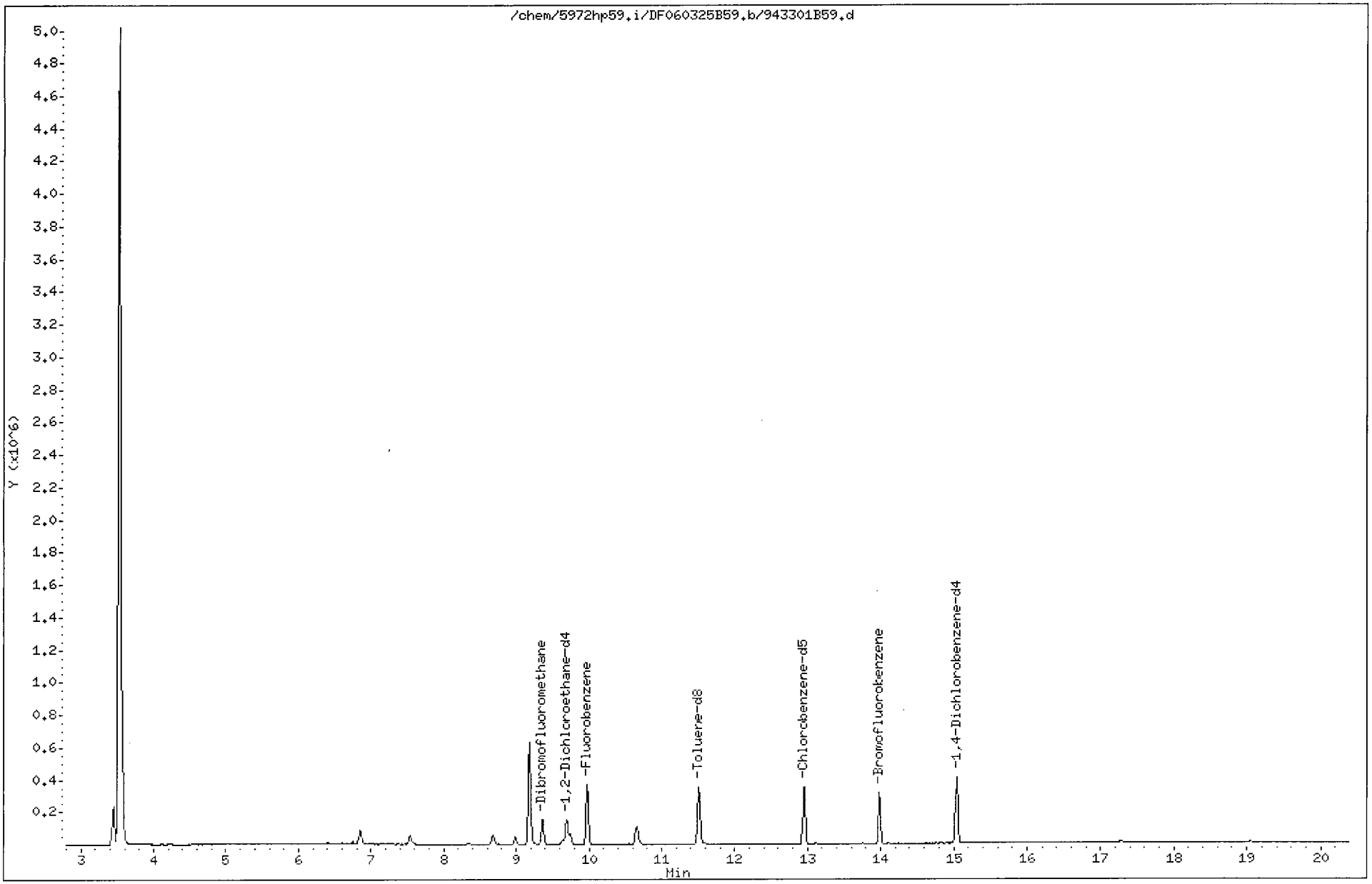
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	22	J
2.		UNKNOWN	7.54	12	J
3.		UNKNOWN	8.68	9.4	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	88	NJ
5.	123-91-1	1,4-DIOXANE	10.66	18	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d
Date : 26-MAR-2006 01:49
Client ID: ACSGWLA13-27
Instrument: 5972hp59.i
Sample Info: 943301:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943301B59.d
Lab Smp Id: 943301 Client Smp ID: ACSGWLA13-27
Inj Date : 26-MAR-2006 01:49
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943301:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.977	9.976	(1.000)	399289	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.959	(1.000)	256845	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.046	(1.000)	121362	250.000	
$ 4 Dibromofluoromethane	113	9.357	9.356	(0.938)	114677	222.418	44
$ 5 1,2-Dichloroethane-d4	65	9.691	9.690	(0.971)	135270	250.405	50
$ 6 Toluene-d8	98	11.513	11.512	(0.888)	358503	232.834	47
$ 7 Bromofluorobenzene	95	13.984	13.983	(0.929)	149710	233.631	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d
Report Date: 28-Mar-2006 05:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.741	9.740	(0.976)	32075	19.1321	3.8(a)
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	11.582	11.591	(0.894)	4299	4.31460	0.86(a)
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

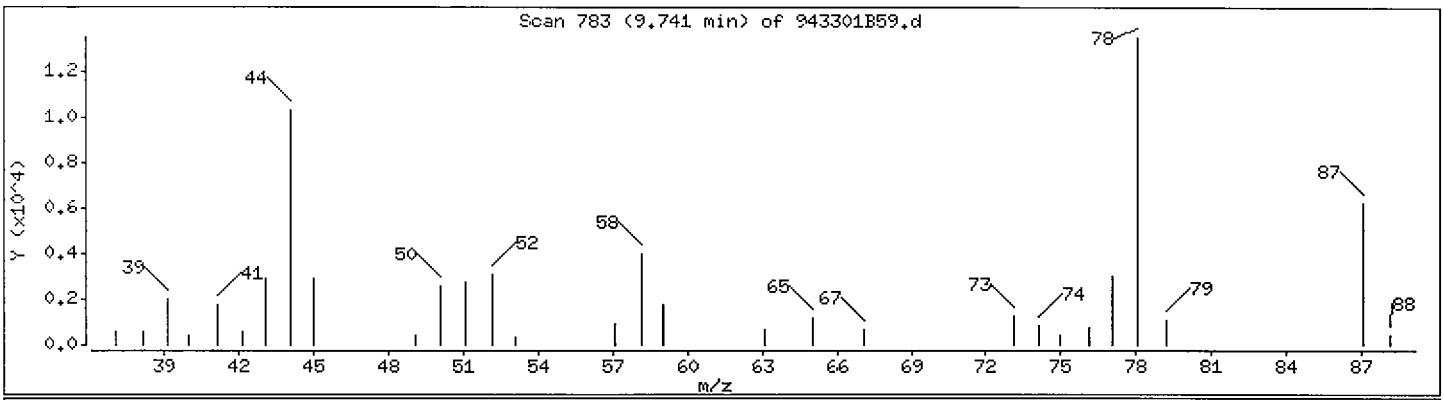
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

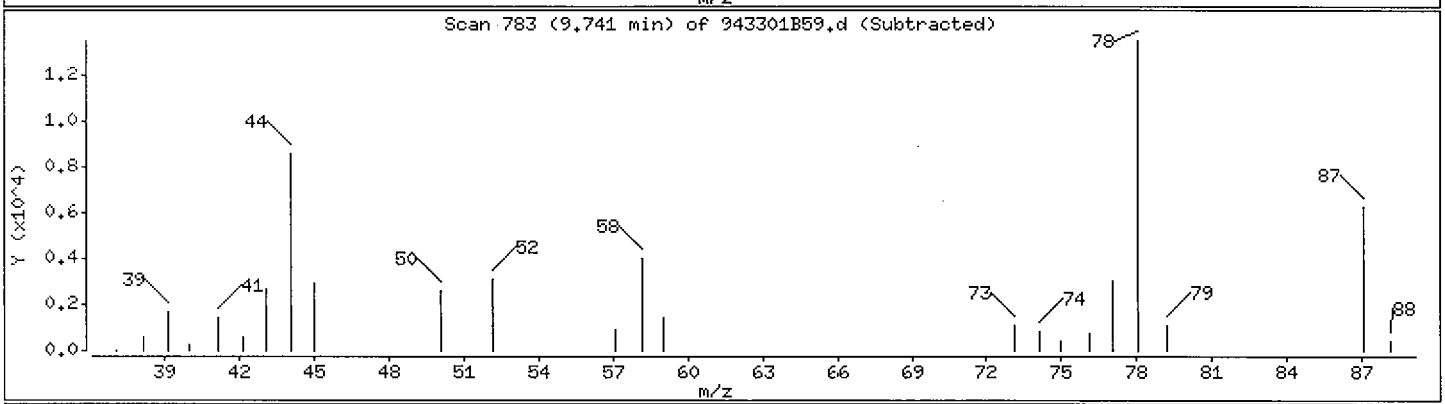
Sample Info: 943301:2481

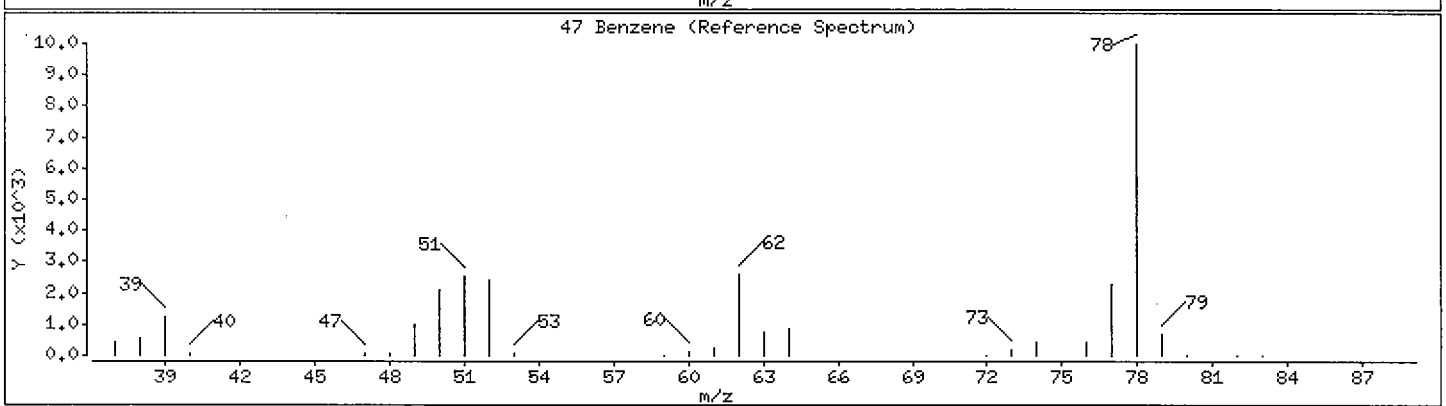
Purge Volume: 5.0 Operator: 2481

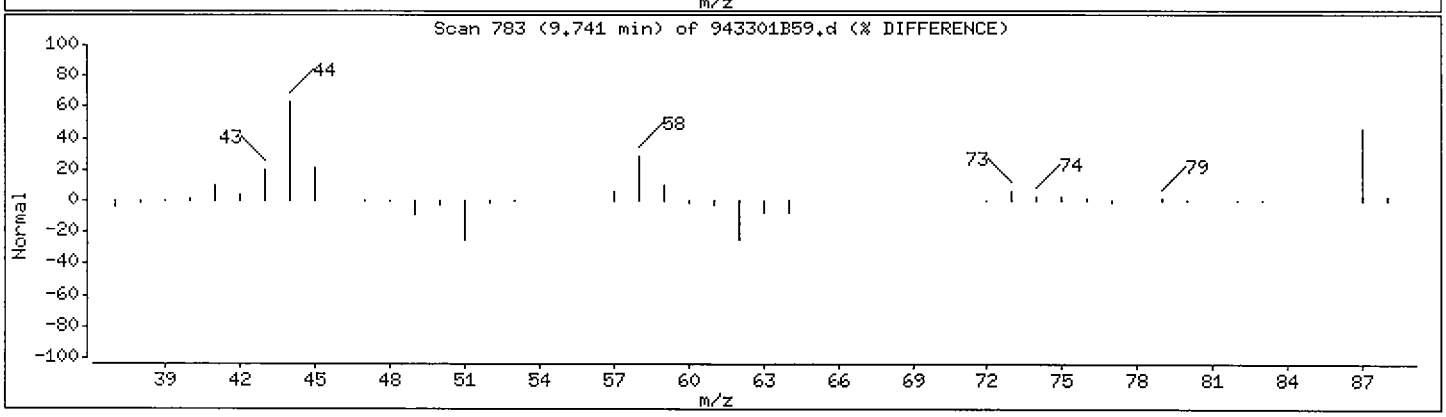
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 3.8 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

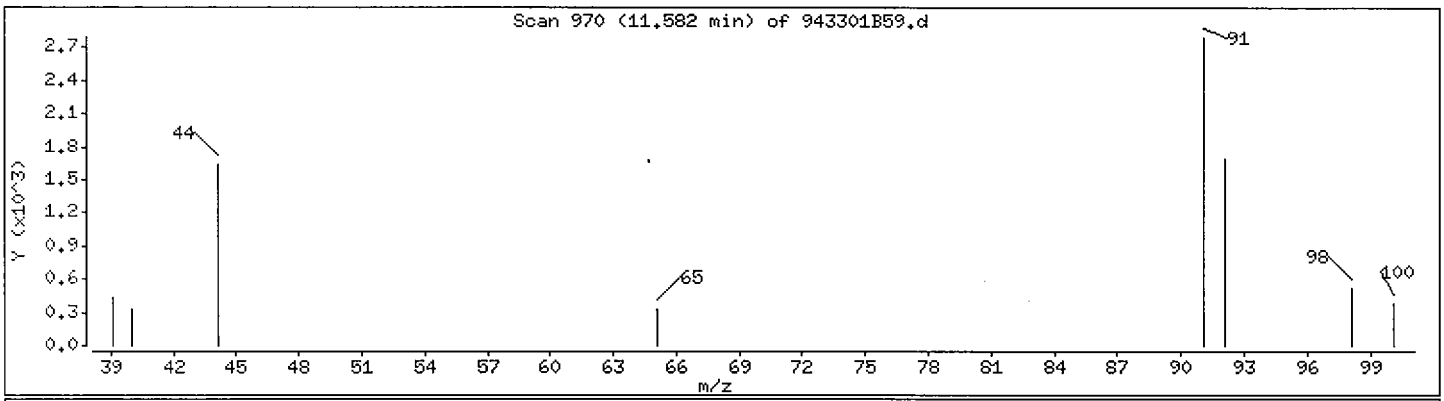
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

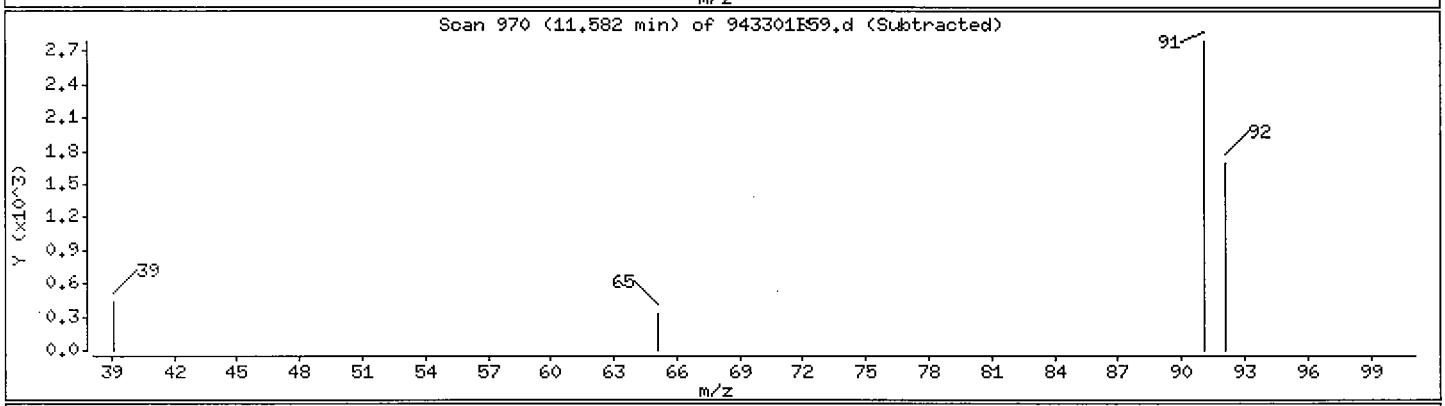
Sample Info: 943301:2481

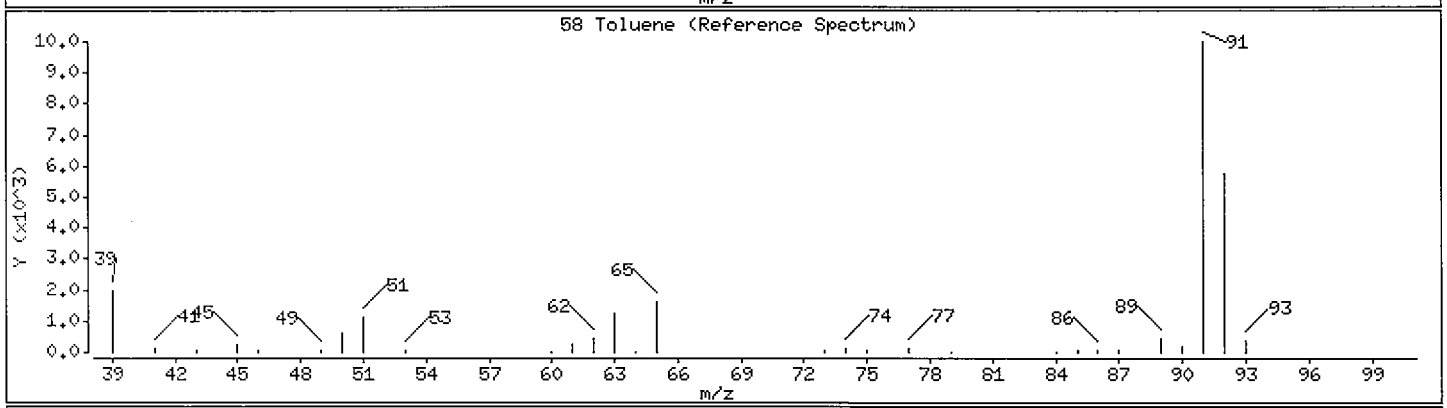
Purge Volume: 5.0 Operator: 2481

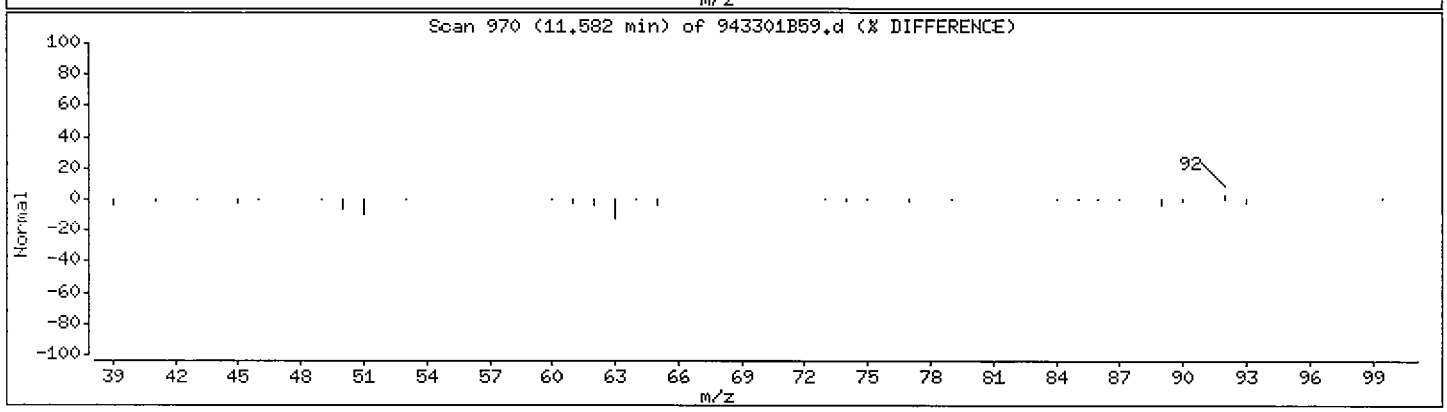
Column phase: ZB-624 Column diameter: 0.32

58 Toluene Concentration: 0.86 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d
Report Date: 28-Mar-2006 05:20

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943301B59.d
Lab Smp Id: 943301 Client Smp ID: ACSGWLA13-27
Inj Date : 26-MAR-2006 01:49
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943301:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.977	893843	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.846	398711	111.515941	22	0		0	1
Unknown				CAS #:			
7.535	213552	59.7284626	12	0		0	1
Unknown				CAS #:			
8.677	168080	47.0103216	9.4	0		0	1

Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d
Report Date: 28-Mar-2006 05:20

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Furan, tetrahydro-				CAS #: 109-99-9			
9.179	1581135	442.229280	88	91	NBS129K.l	108257	1
1,4-Dioxane				CAS #: 123-91-1			
10.656	326026	91.1865516	18	91	NBS129K.l	108820	1

Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

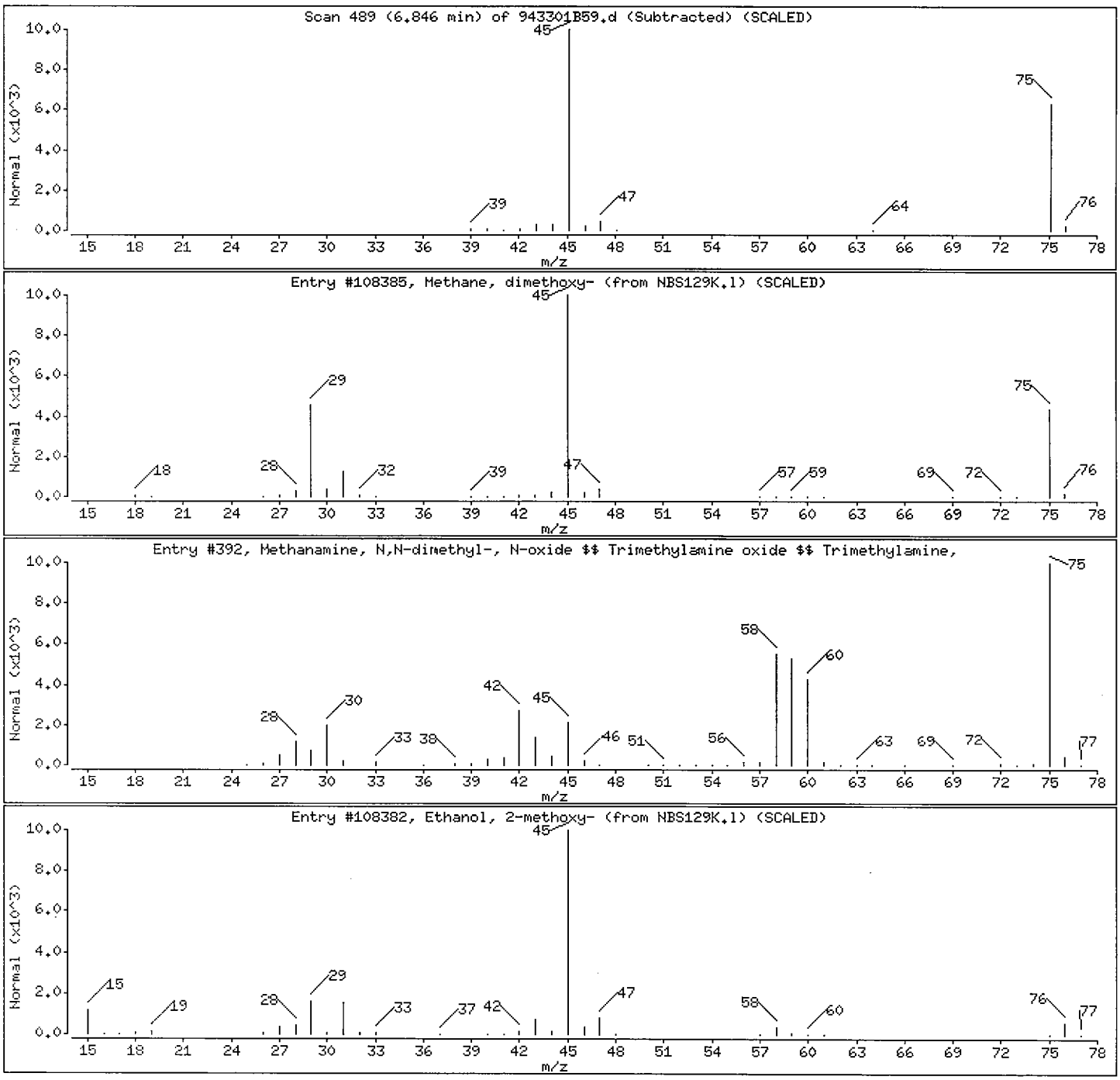
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

Sample Info: 943301:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, dimethoxy-	109-87-5	NBS129K.l	108385	83	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	9	C3H9NO	75
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108382	7	C3H8O2	76



Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

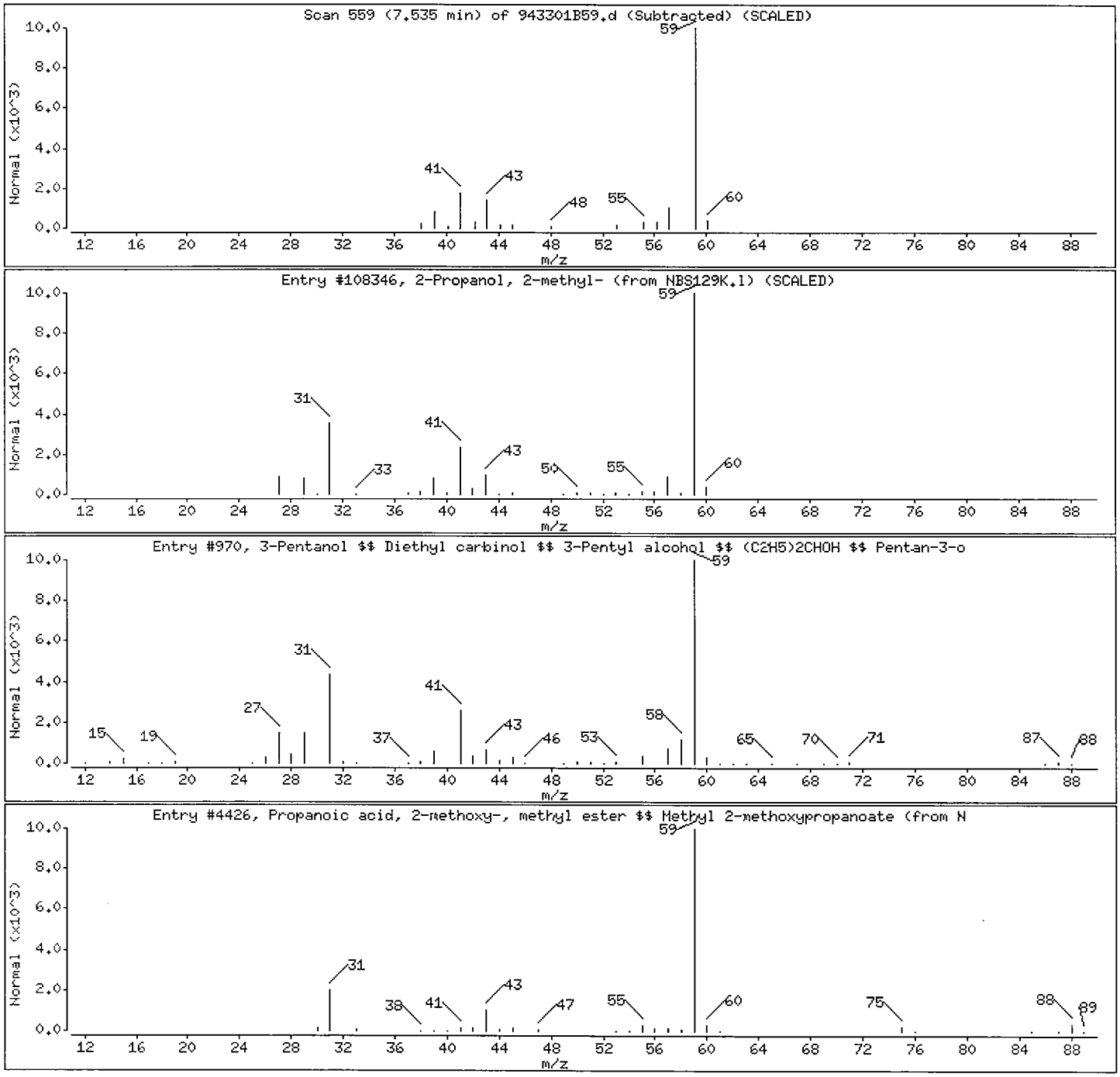
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

Sample Info: 943301:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108346	78	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	64	C5H12O	88
Propanoic acid, 2-methoxy-, methyl ester	17639-76-8	NBS129K.l	4426	9	C5H10O3	118



Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

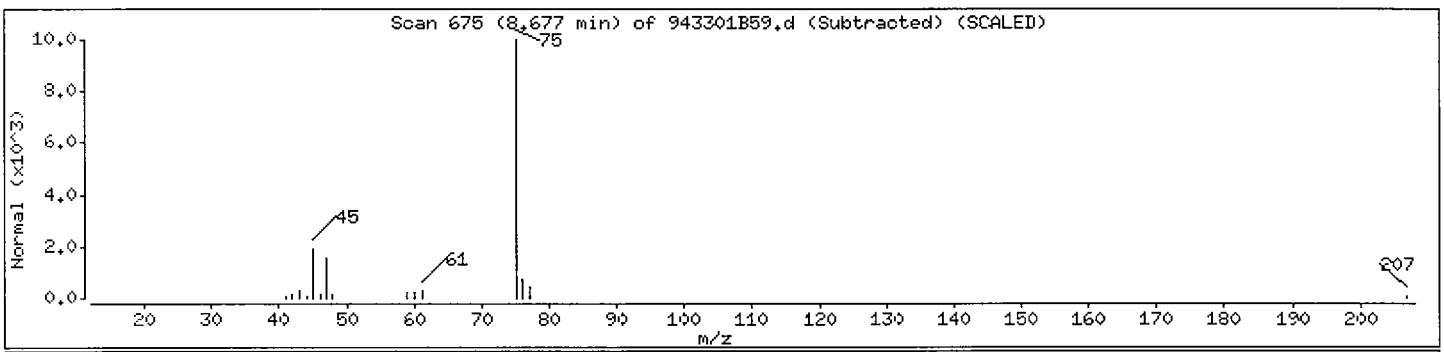
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

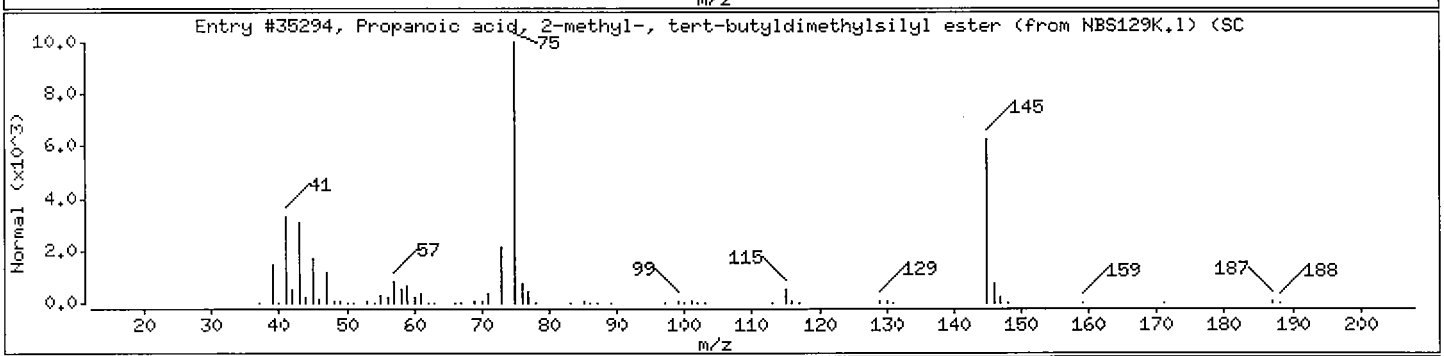
Sample Info: 943301:2481

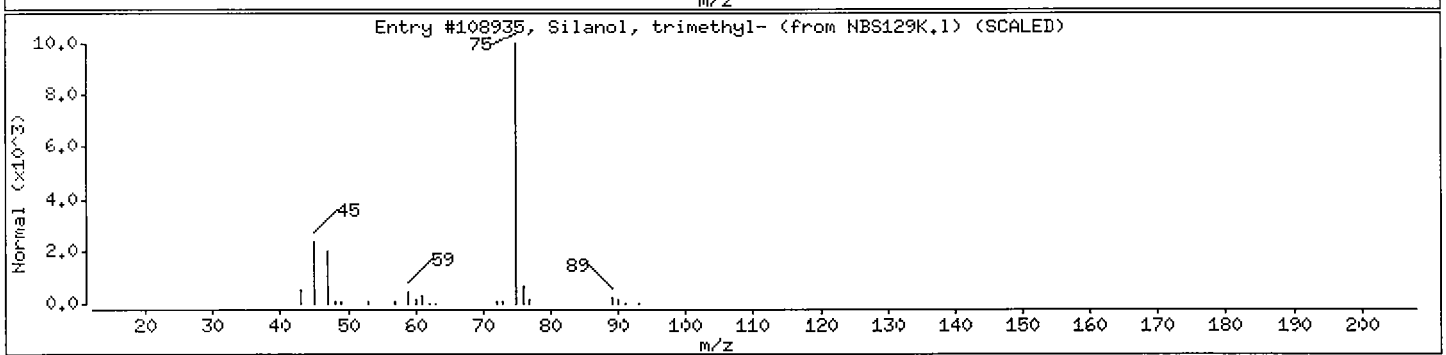
Purge Volume: 5.0 Operator: 2481

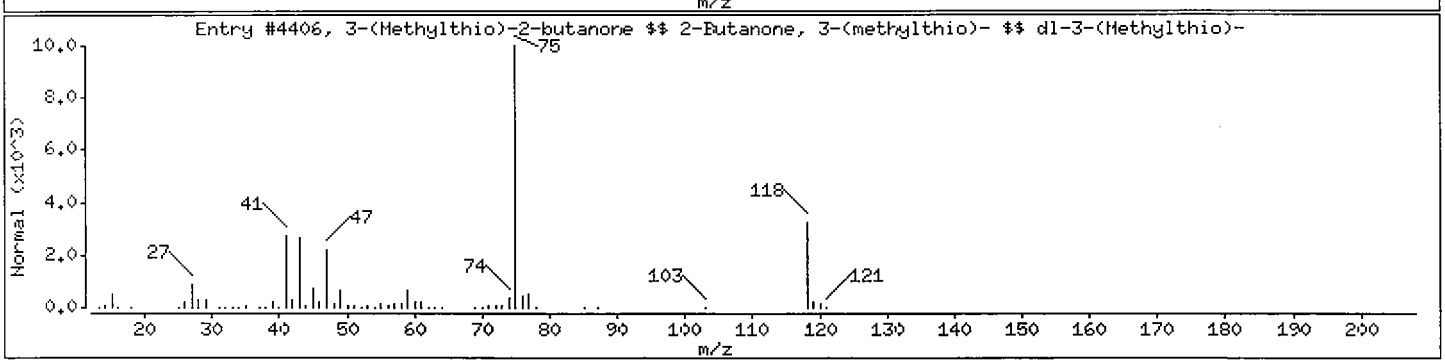
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-methyl-, tert-butyldim	0-00-0	NBS129K.l	35294	83	C10H22O2Si	202
Silanol, trimethyl-	1066-40-6	NBS129K.l	108935	78	C3H10OSi	90
3-(Methylthio)-2-butanone $$ 2-Butanone,	53475-15-3	NBS129K.l	4406	78	C5H10OS	118









Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

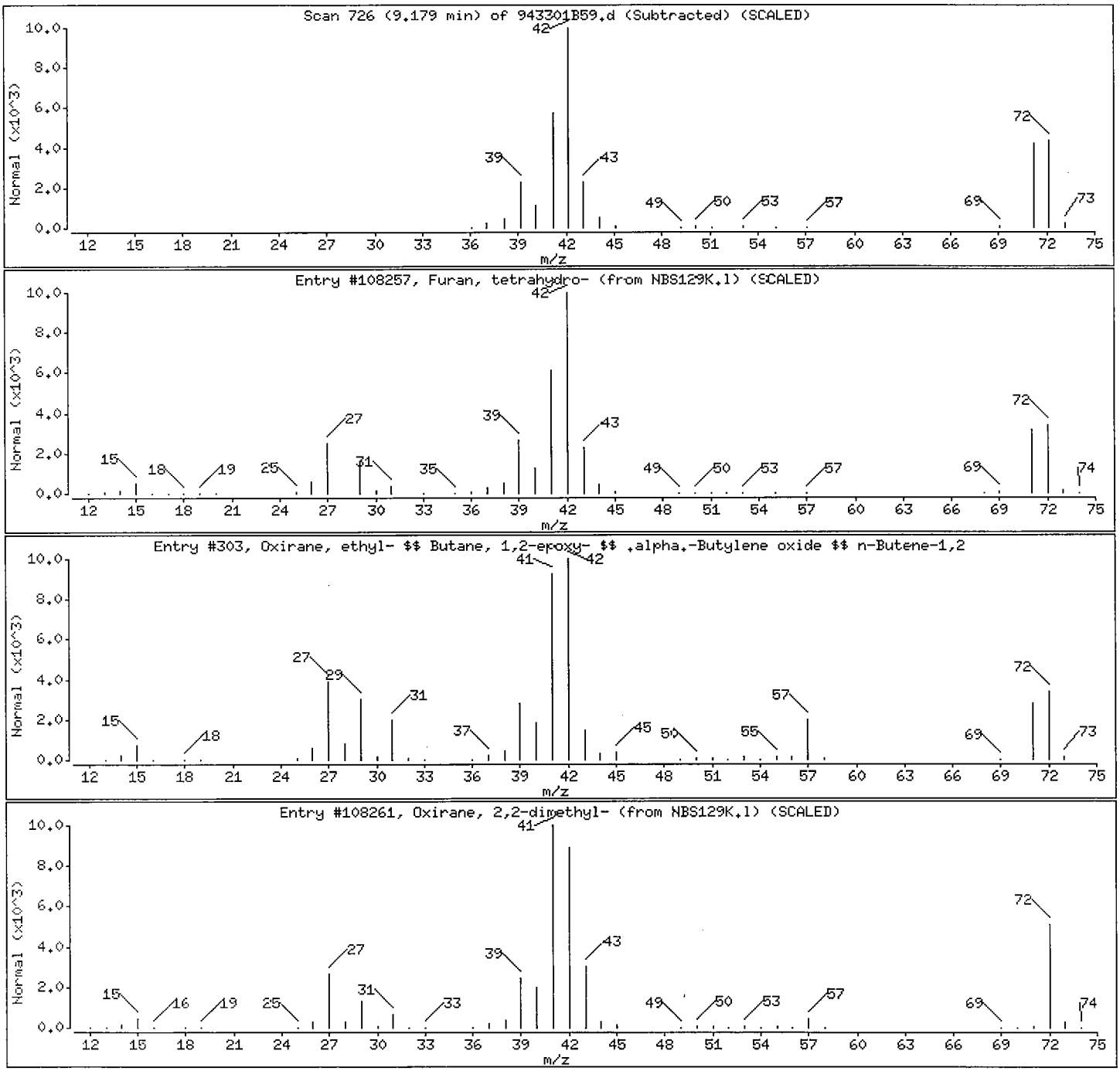
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

Sample Info: 943301:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	72	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	46	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/943301B59.d

Date : 26-MAR-2006 01:49

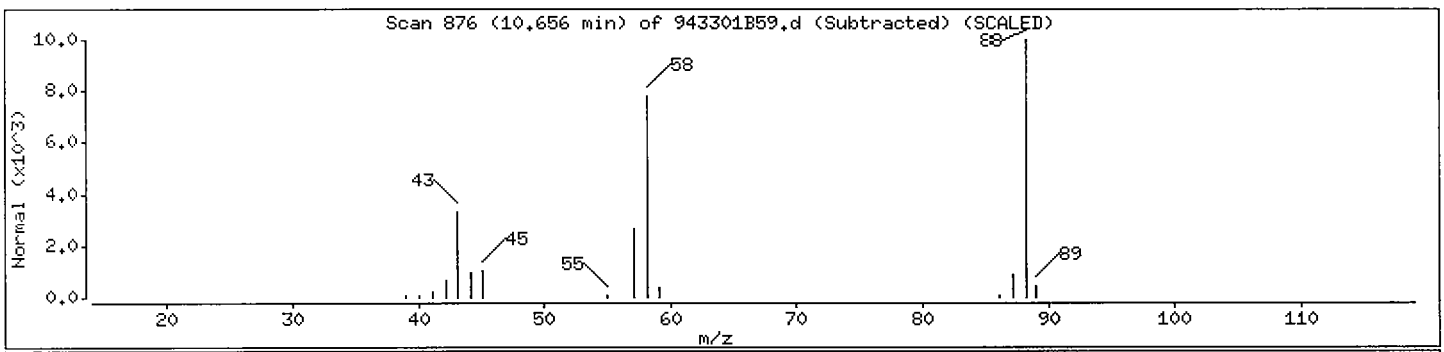
Client ID: ACSGWLA13-27 Instrument: 5972hp59.i

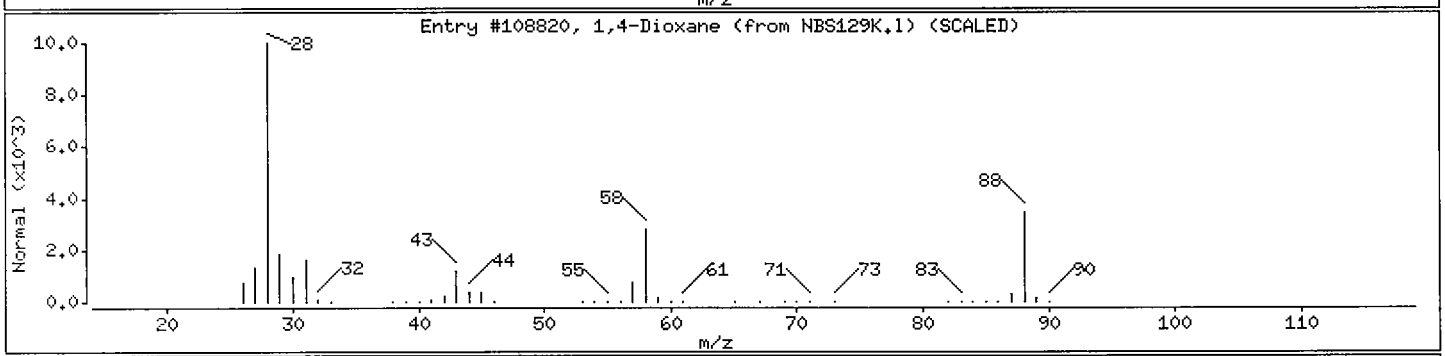
Sample Info: 943301:2481

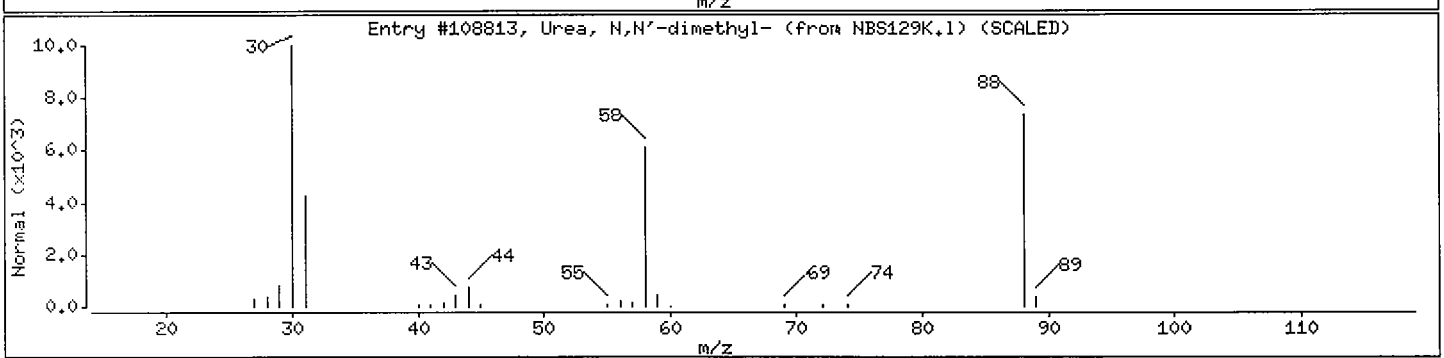
Purge Volume: 5.0 Operator: 2481

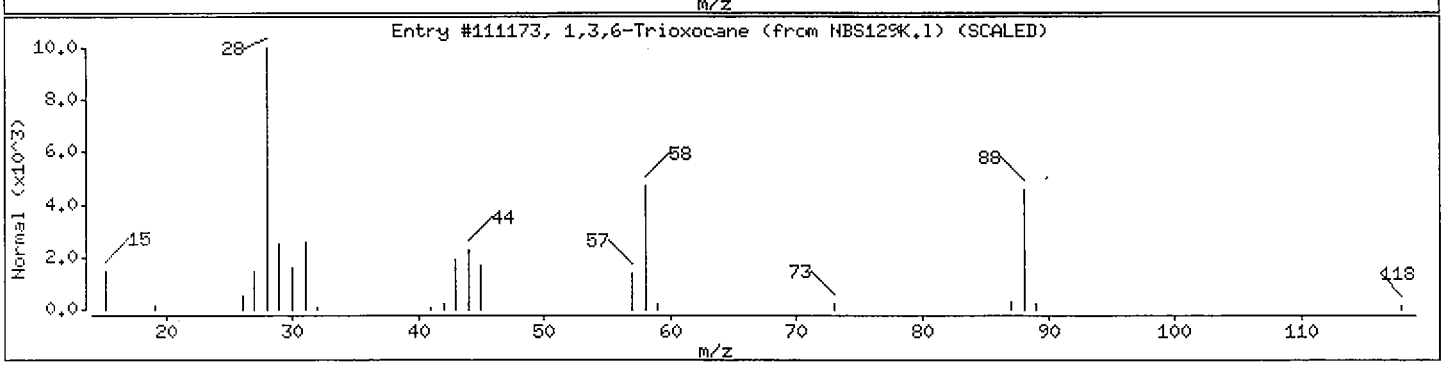
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88
1,3,6-Trioxocane	1779-19-7	NBS129K.l	111173	40	C5H10O3	118









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	1.3	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	15	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

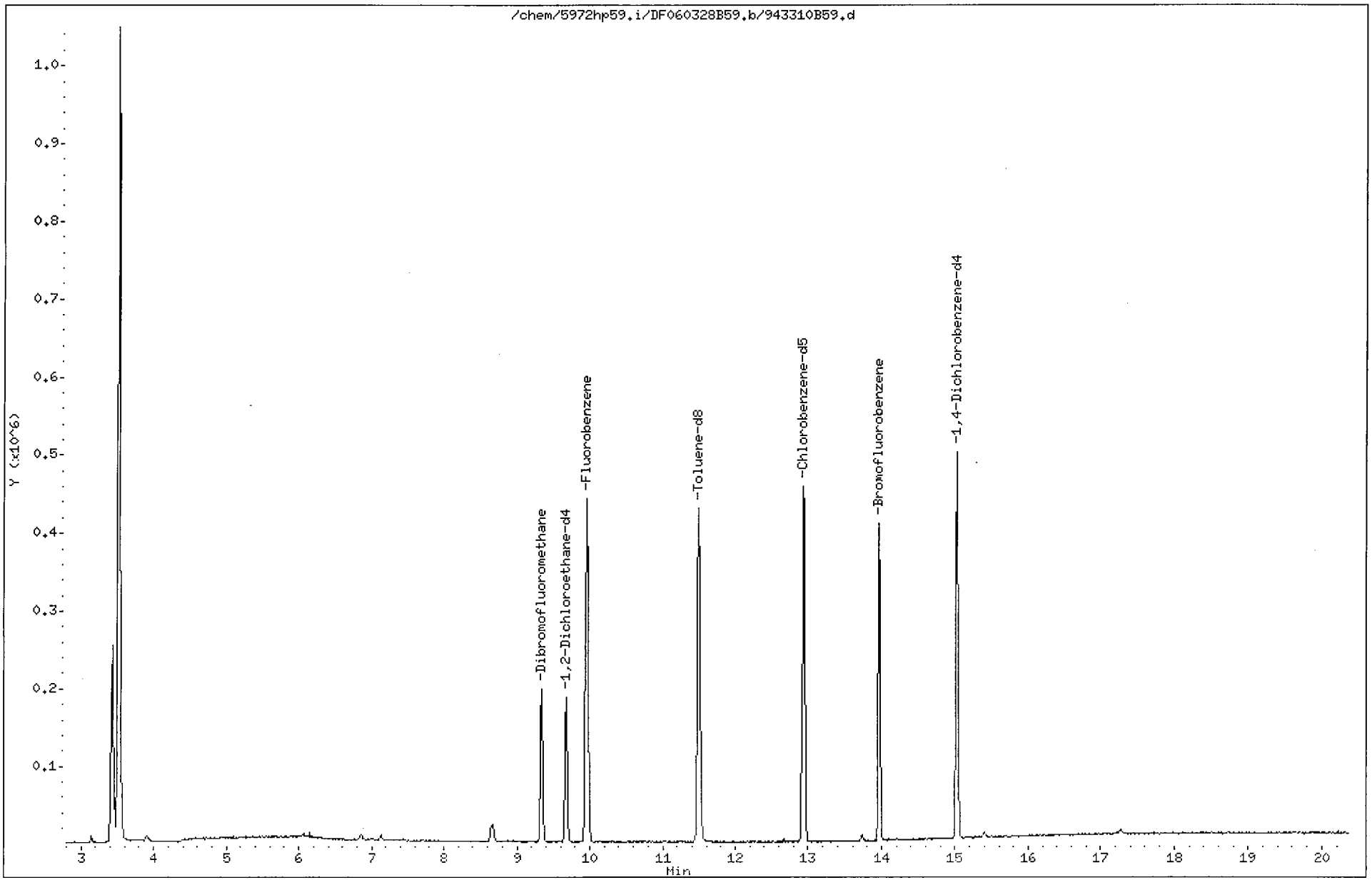
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d
Date : 29-MAR-2006 08:43
Client ID: ACSGWMW30-27
Instrument: 5972hp59.i
Sample Info: 943310:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943310B59.d
Lab Smp Id: 943310 Client Smp ID: ACSGWMW30-27
Inj Date : 29-MAR-2006 08:43
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943310:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.962	9.967	(1.000)	527719	250.000	
* 2 Chlorobenzene-d5	117	12.936	12.950	(1.000)	340384	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.023	15.037	(1.000)	162344	250.000	
$ 4 Dibromofluoromethane	113	9.342	9.347	(0.938)	148516	217.947	44
$ 5 1,2-Dichloroethane-d4	65	9.677	9.681	(0.971)	162523	227.636	46
$ 6 Toluene-d8	98	11.498	11.503	(0.889)	464856	227.810	46
$ 7 Bromofluorobenzene	95	13.969	13.974	(0.930)	190316	222.025	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.851	6.856	(0.688)	12835	75.6801	15
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

3/29/06

Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d
Report Date: 29-Mar-2006 05:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	7.137	7.141	(0.716)	13336	6.72129	1.3(a)
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d

Date : 29-MAR-2006 08:43

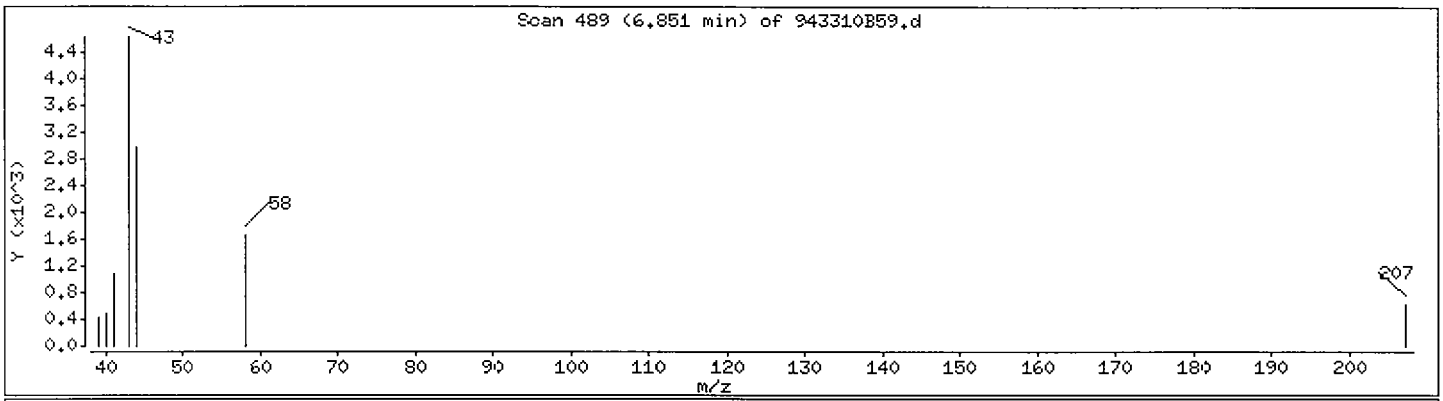
Client ID: ACSGWMW30-27 Instrument: 5972hp59.i

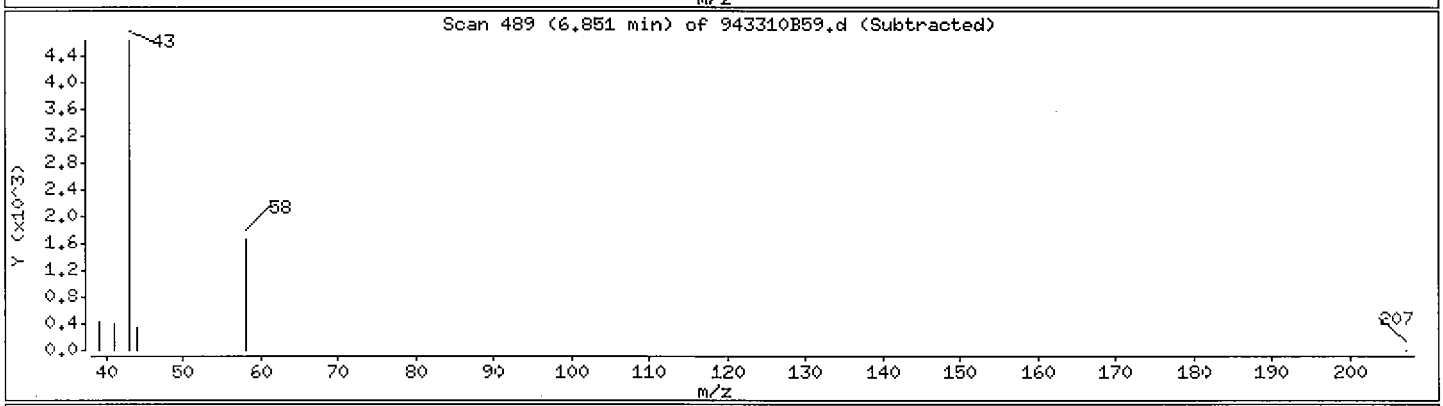
Sample Info: 943310:2481

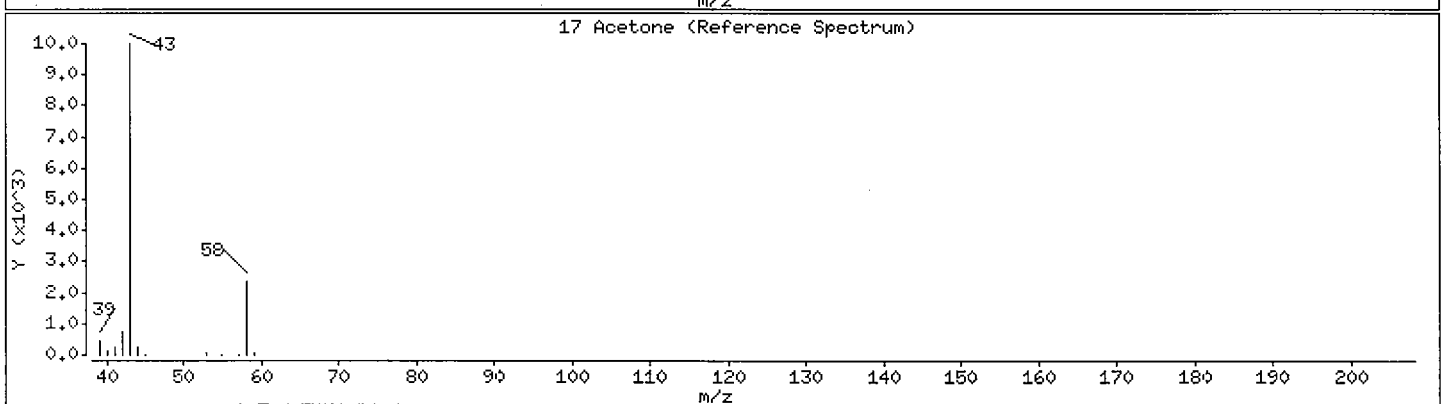
Purge Volume: 5.0 Operator: 2481

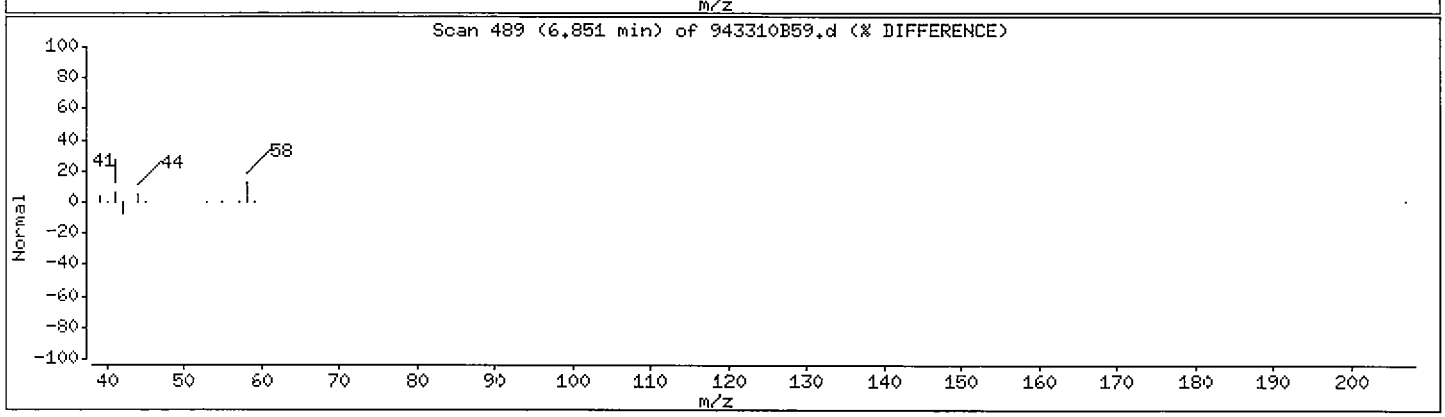
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 15 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d

Date : 29-MAR-2006 08:43

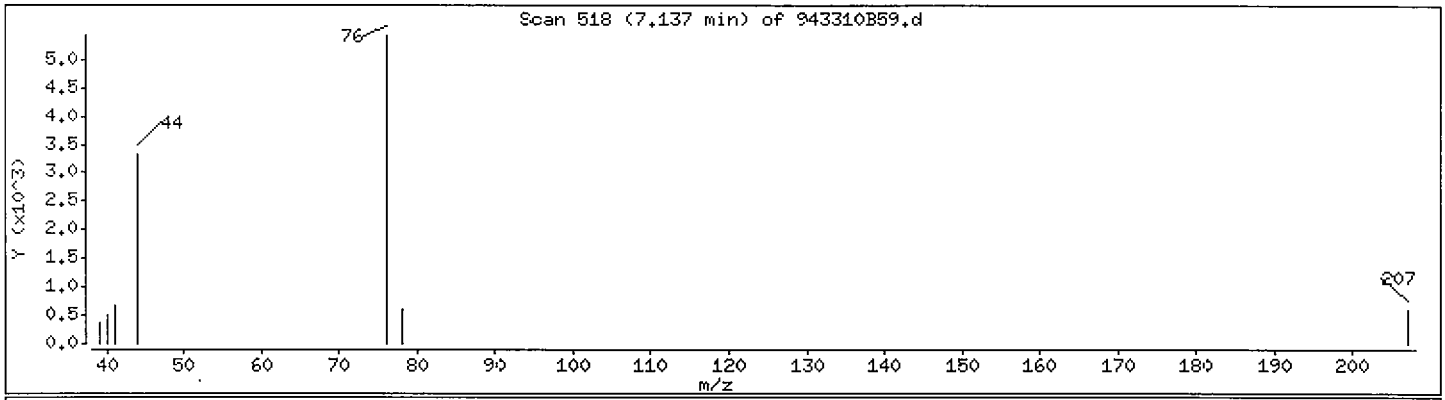
Client ID: ACSGWMW30-27 Instrument: 5972hp59.i

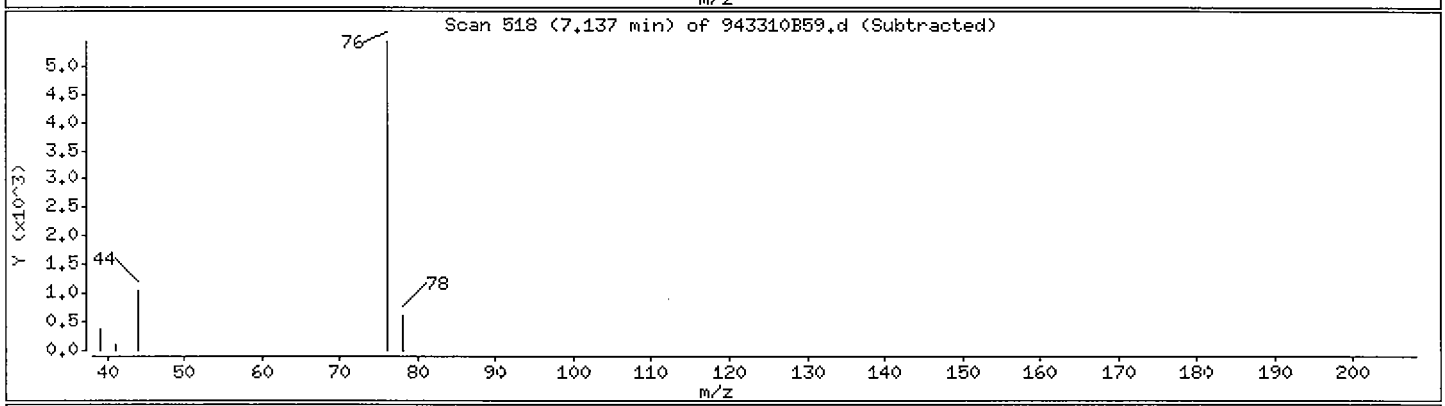
Sample Info: 943310:2481

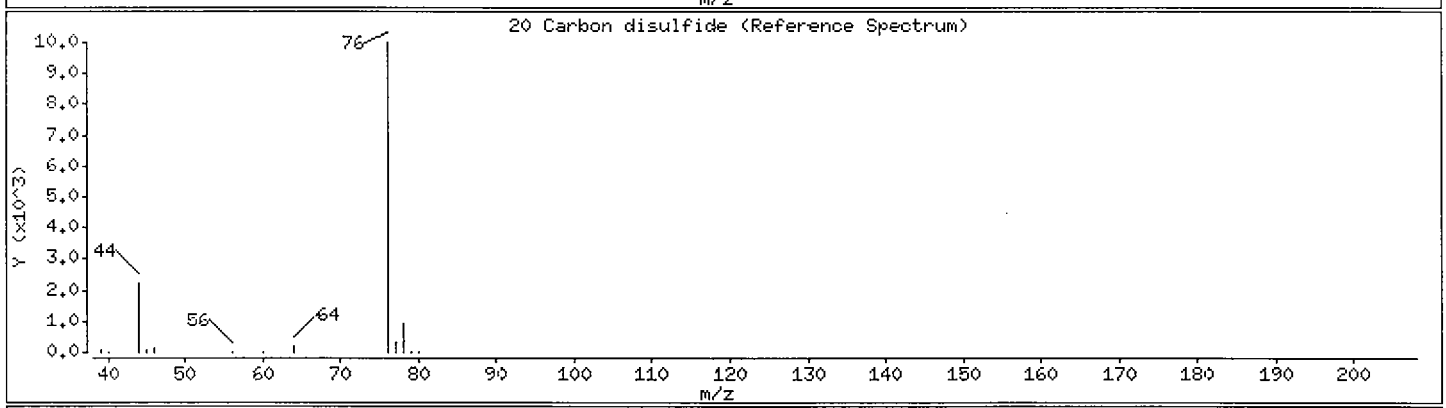
Purge Volume: 5.0 Operator: 2481

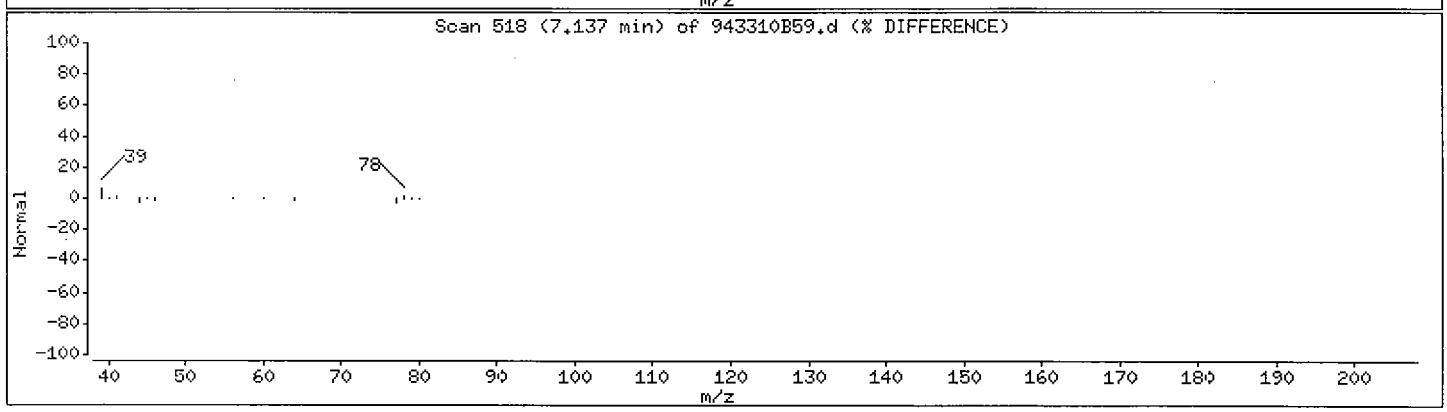
Column phase: ZB-624 Column diameter: 0.32

20 Carbon disulfide Concentration: 1.3 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943310B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943310B59.d
Lab Smp Id: 943310 Client Smp ID: ACSGWMW30-27
Inj Date : 29-MAR-2006 08:43
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943310:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

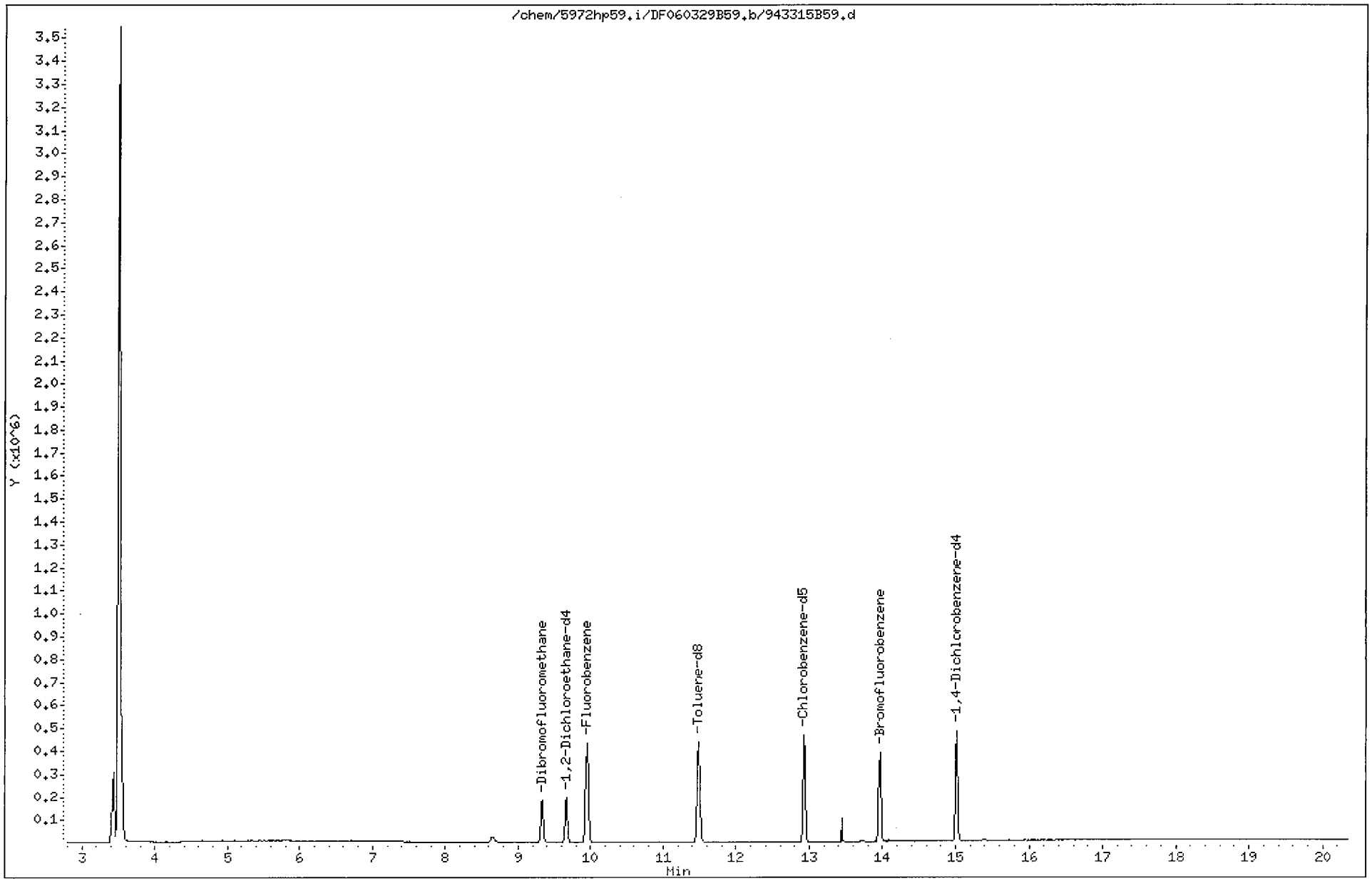
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/943315B59.d
Date : 30-MAR-2006 05:00
Client ID: ACSGWMW31-27 Instrument: 5972hp59.i
Sample Info: 943315:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/943315B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943315B59.d
Lab Smp Id: 943315 Client Smp ID: ACSGWMW31-27
Inj Date : 30-MAR-2006 05:00
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943315:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.947	9.955	(1.000)	491575	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	313722	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	143775	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.335	(0.939)	136939	215.733	43
$ 5 1,2-Dichloroethane-d4	65	9.671	9.670	(0.972)	167540	251.917	50
$ 6 Toluene-d8	98	11.483	11.491	(0.888)	436067	231.863	46
$ 7 Bromofluorobenzene	95	13.963	13.962	(0.930)	178775	235.498	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943315B59.d
Report Date: 30-Mar-2006 03:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943315B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943315B59.d
Lab Smp Id: 943315 Client Smp ID: ACSGWMW31-27
Inj Date : 30-MAR-2006 05:00
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943315:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

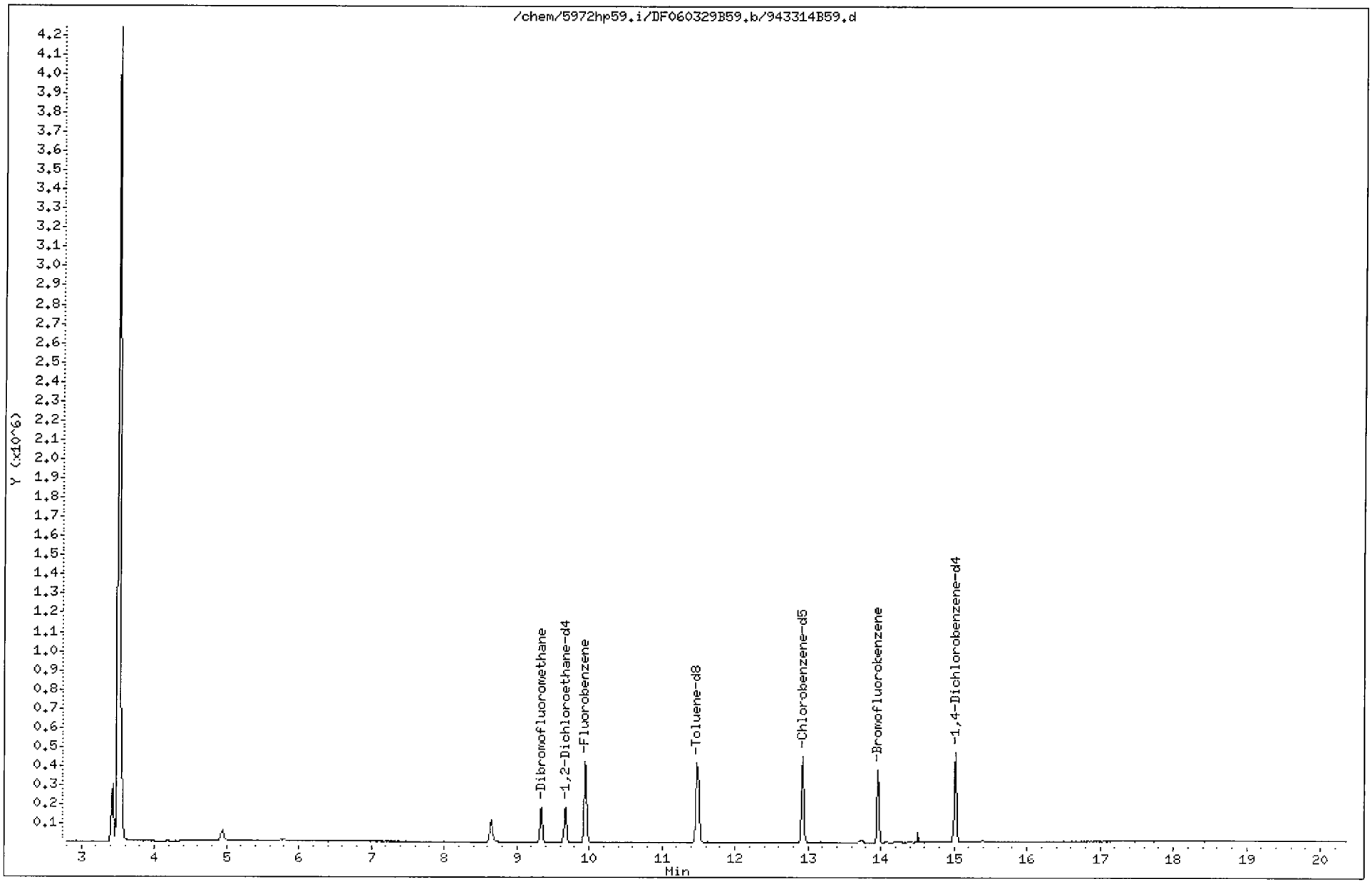
Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	420-56-4	SILANE, FLUOROTRIMETHYL-	4.95	10	NJ
2.		UNKNOWN	8.65	17	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d
Date : 30-MAR-2006 04:31
Client ID: ACSGWMW32-27
Instrument: 5972hp59.i
Sample Info: 943314:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943314B59.d
Lab Smp Id: 943314 Client Smp ID: ACSGWMW32-27
Inj Date : 30-MAR-2006 04:31
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943314:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.947	9.955	(1.000)	481201	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	308531	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	141626	250.000	
$ 4 Dibromofluoromethane	113	9.337	9.335	(0.939)	135676	218.352	44
$ 5 1,2-Dichloroethane-d4	65	9.672	9.670	(0.972)	162719	249.943	50
$ 6 Toluene-d8	98	11.483	11.491	(0.888)	427790	231.289	46
$ 7 Bromofluorobenzene	95	13.964	13.962	(0.930)	176279	235.733	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d
Report Date: 30-Mar-2006 03:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943314B59.d
Lab Smp Id: 943314 Client Smp ID: ACSGWMW32-27
Inj Date : 30-MAR-2006 04:31
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943314:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.947	1077594	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silane, fluorotrimethyl- $$ Fluorotrimet				CAS #: 420-56-4			
4.946	216342	50.1910674	10	91	NBS129K.l	1097	1
Unknown				CAS #:			
8.648	364879	84.6513837	17	0		0	1

Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d

Date : 30-MAR-2006 04:31

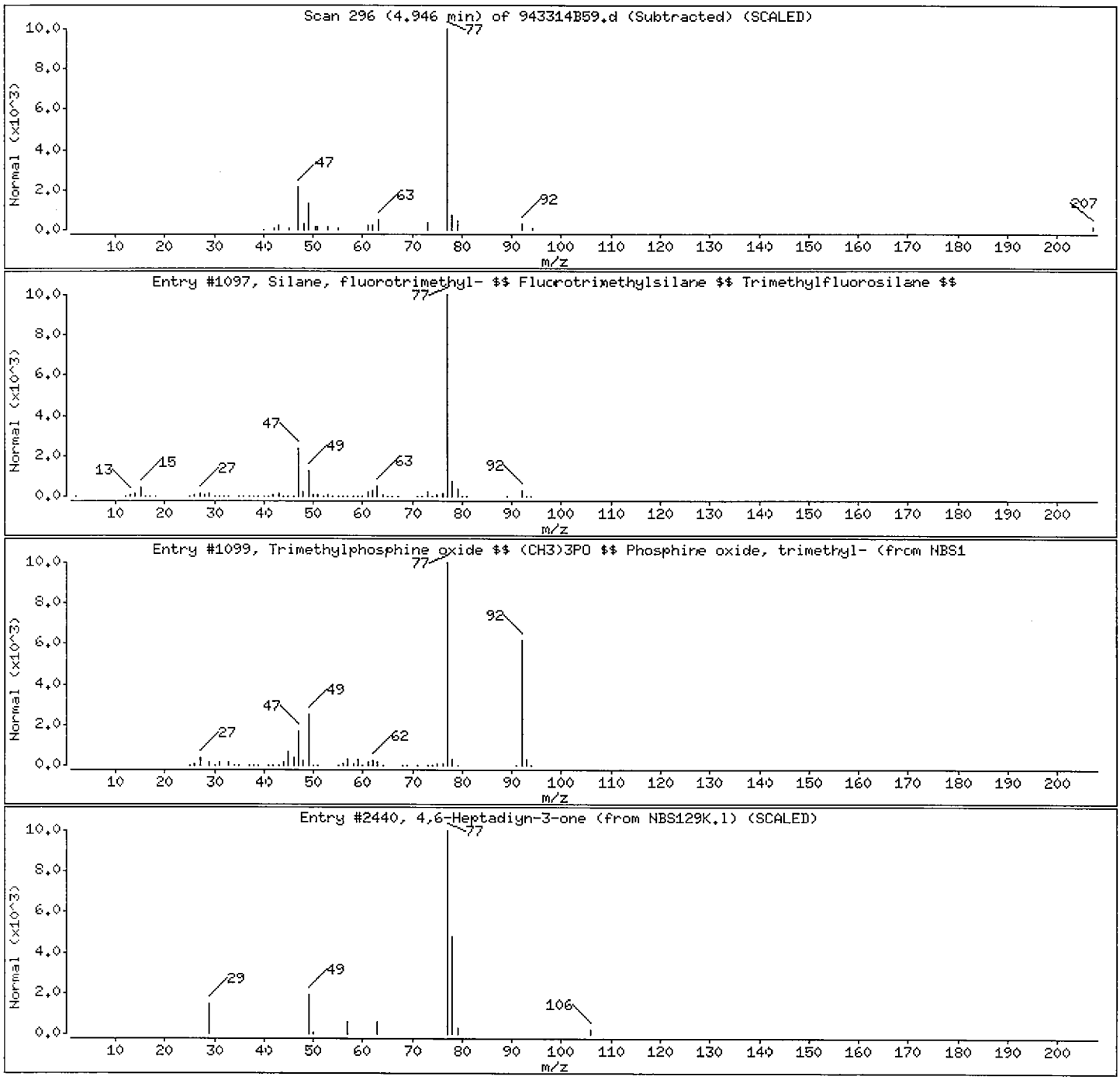
Client ID: ACSGWMW32-27 Instrument: 5972hp59.i

Sample Info: 943314:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silane, fluorotrimethyl- $$ Fluorotrimet	420-56-4	NBS129K.l	1097	91	C3H9FSi	92
Trimethylphosphine oxide $$ (CH3)3PO $$	676-96-0	NBS129K.l	1099	16	C3H9OP	92
4,6-Heptadiyn-3-one	29743-27-9	NBS129K.l	2440	9	C7H6O	106



Data File: /chem/5972hp59.i/DF060329B59.b/943314B59.d

Date : 30-MAR-2006 04:31

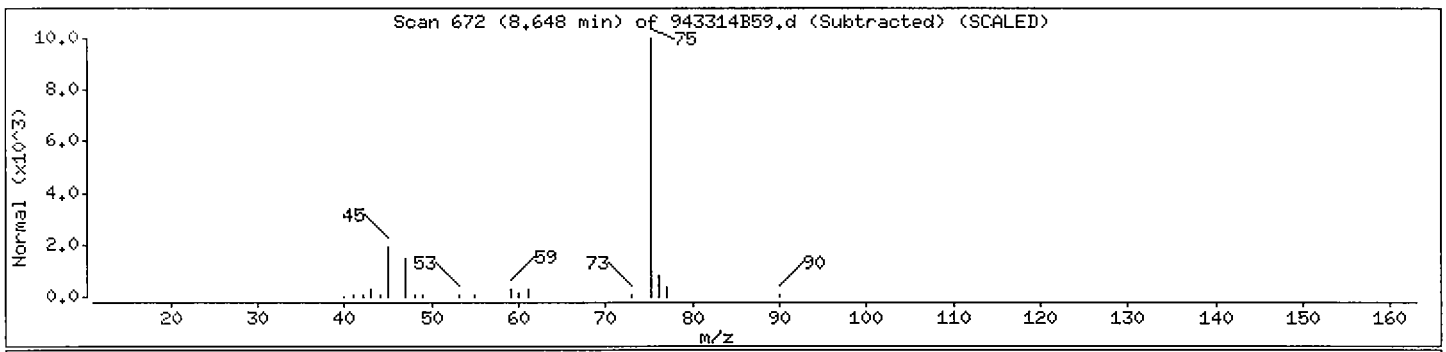
Client ID: ACSGWMW32-27 Instrument: 5972hp59.i

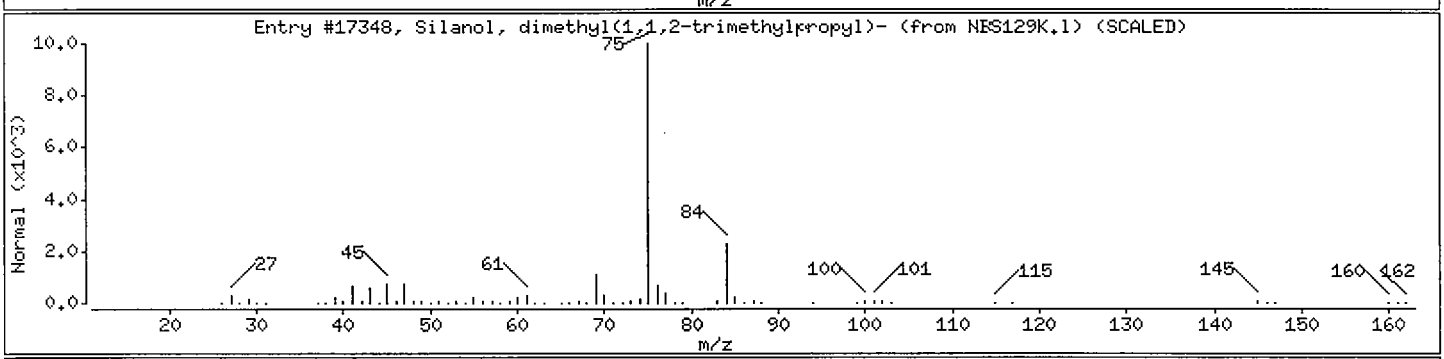
Sample Info: 943314:2481

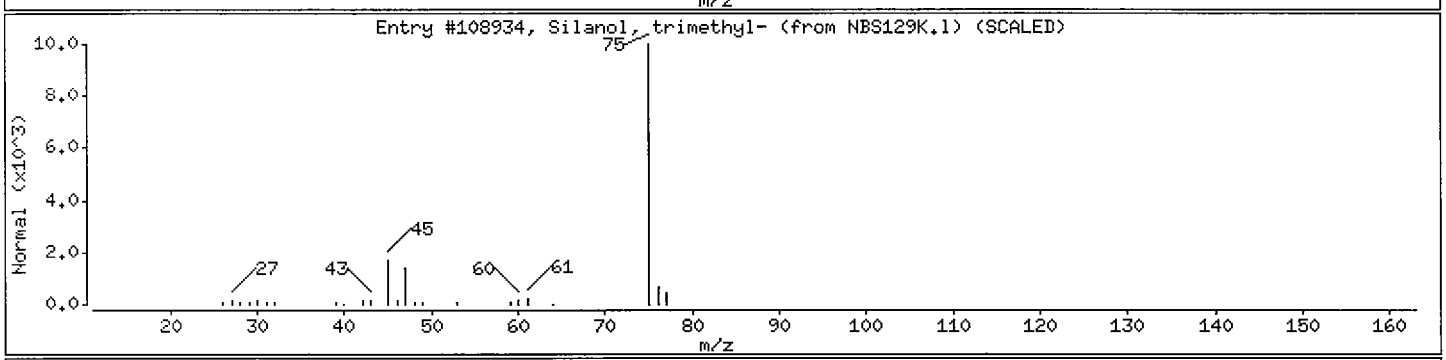
Purge Volume: 5.0 Operator: 2481

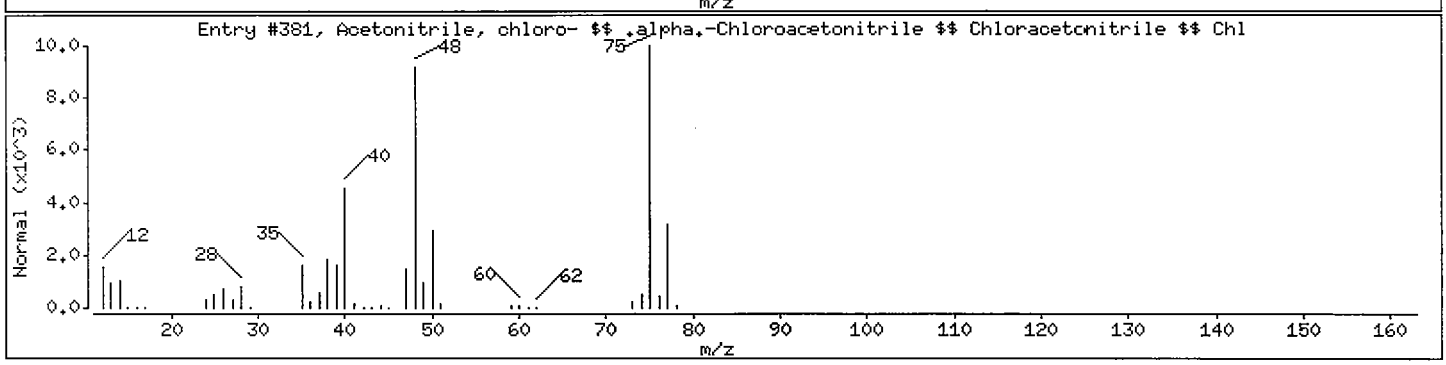
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	74	C8H20OSi	160
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	64	C3H10OSi	90
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	18	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

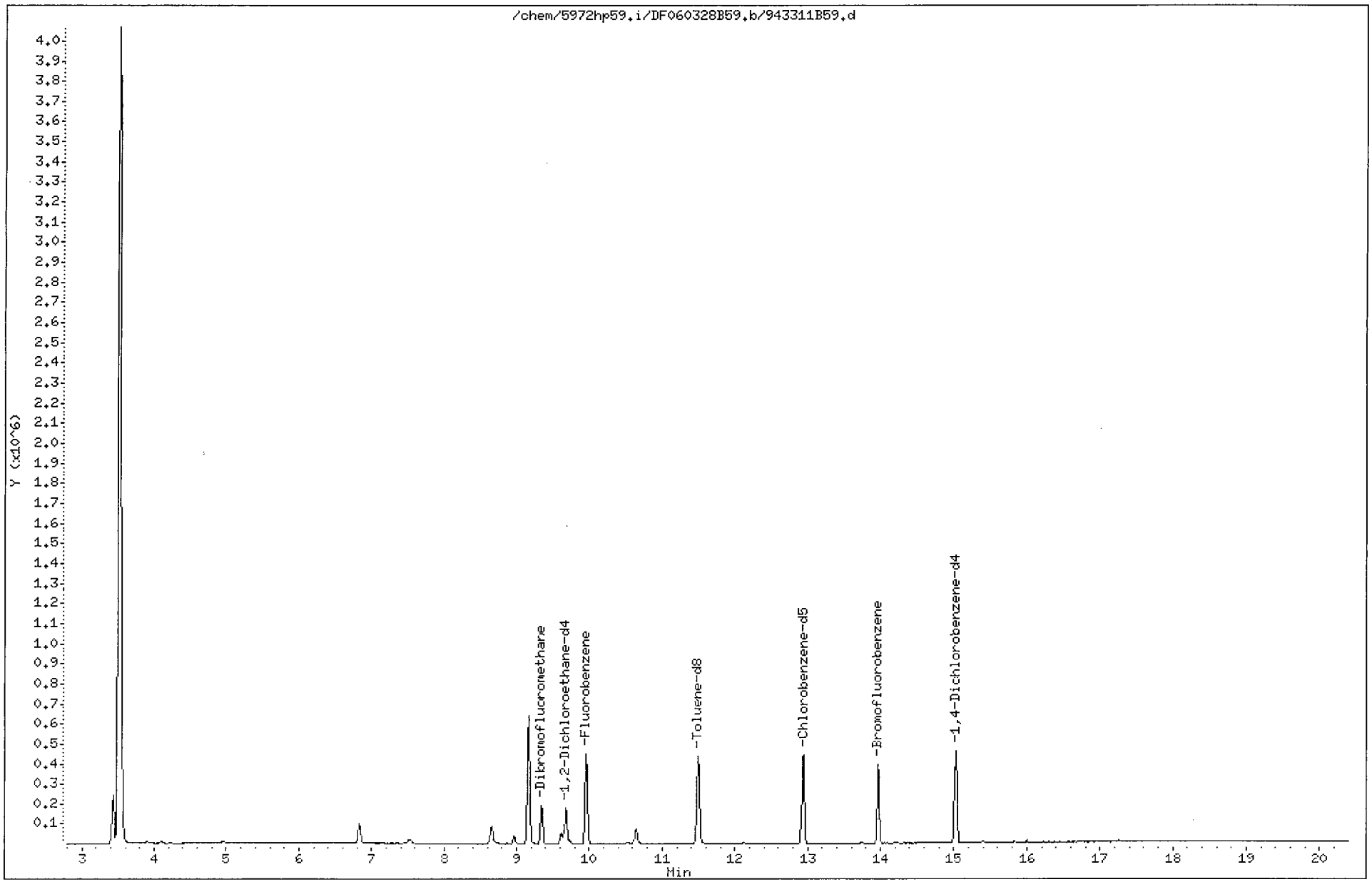
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.83	14	NJ
2.		UNKNOWN	8.66	12	J
3.	109-99-9	FURAN, TETRAHYDRO-	9.16	70	NJ
4.		UNKNOWN	9.62	6.3	J
5.	123-91-1	1,4-DIOXANE	10.64	9.5	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d
Date : 29-MAR-2006 09:11
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i
Sample Info: 943311:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943311B59.d
Lab Smp Id: 943311 Client Smp ID: ACSGWMW33-27
Inj Date : 29-MAR-2006 09:11
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943311:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.960	9.967	(1.000)	516503	250.000	
* 2 Chlorobenzene-d5	117	12.943	12.950	(1.000)	337619	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.030	15.037	(1.000)	157959	250.000	
$ 4 Dibromofluoromethane	113	9.339	9.347	(0.938)	144034	215.959	43
$ 5 1,2-Dichloroethane-d4	65	9.674	9.681	(0.971)	154169	220.624	44
$ 6 Toluene-d8	98	11.495	11.503	(0.888)	456049	225.325	45
$ 7 Bromofluorobenzene	95	13.967	13.974	(0.929)	188289	225.758	45
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.849	6.856	(0.688)	14124	89.5069	18
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

3/29/06

Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d
Report Date: 29-Mar-2006 05:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

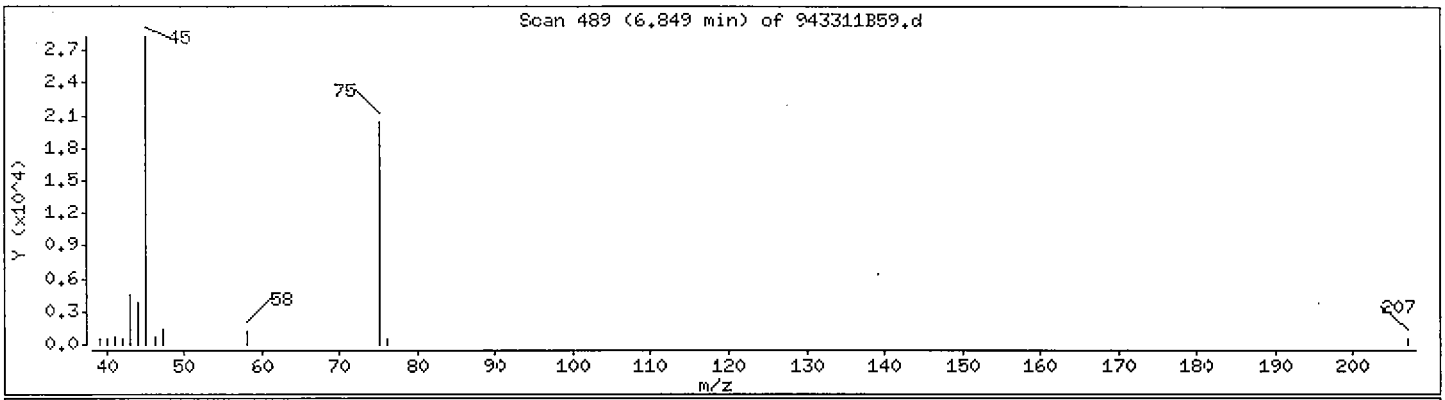
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

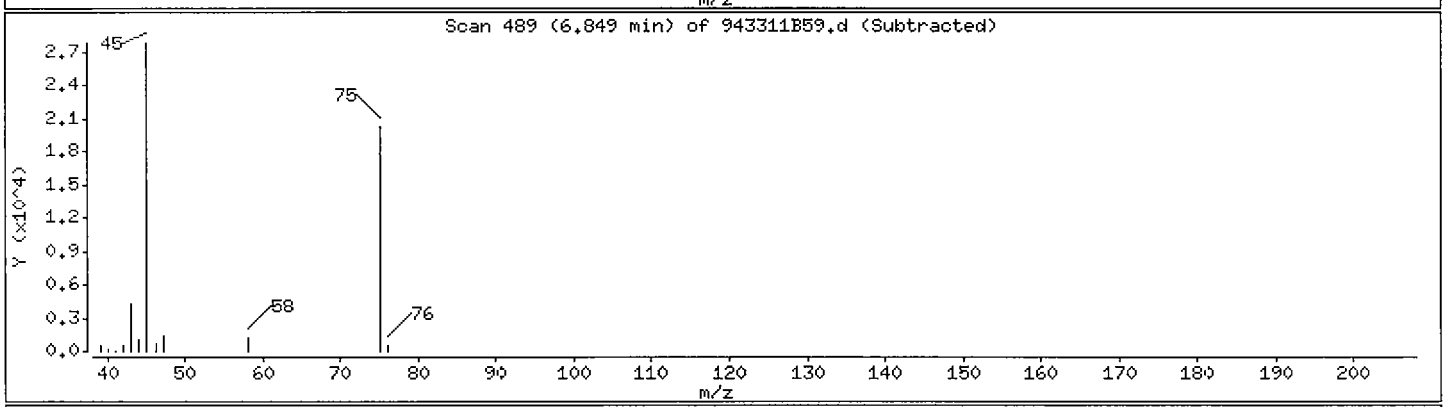
Sample Info: 943311:2481

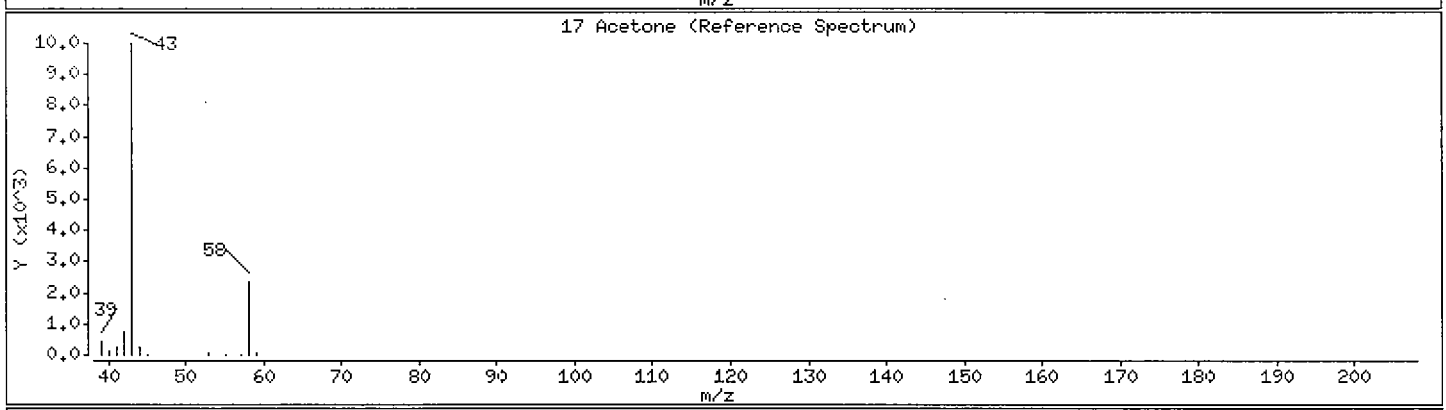
Purge Volume: 5.0 Operator: 2481

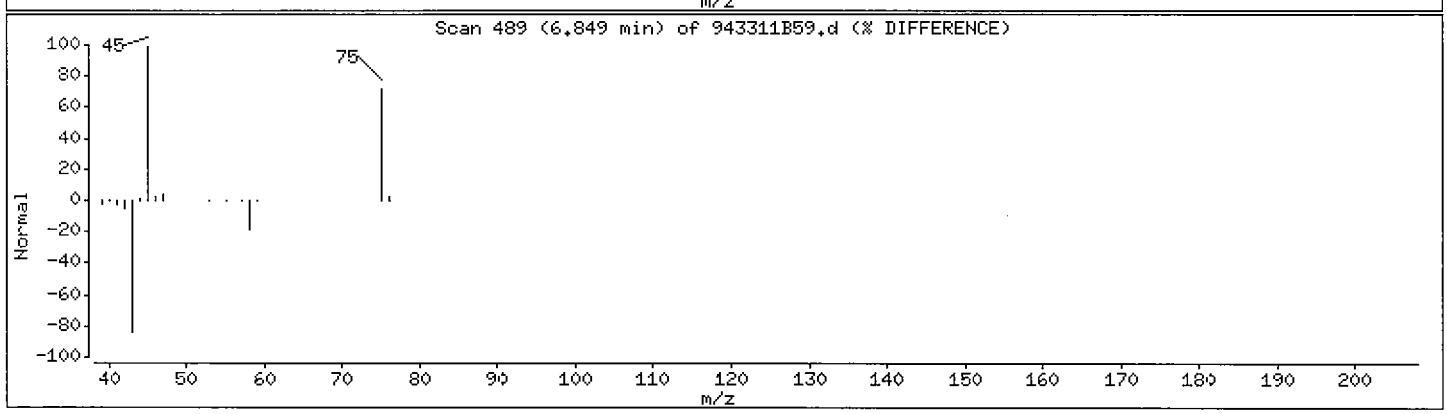
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 18 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943311B59.d
Lab Smp Id: 943311 Client Smp ID: ACSGWMW33-27
Inj Date : 29-MAR-2006 09:11
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943311:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.960	1100655	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methane, dimethoxy- $$ Anesthenyl $$ Dim				CAS #: 109-87-5			
6.829	300912	68.3484551	14	90	NBS129K.l	419	1
Unknown				CAS #:			
8.660	271826	61.7419193	12	0		0	1
Furan, tetrahydro-				CAS #: 109-99-9			
9.162	1548254	351.666369	70	91	NBS129K.l	108257	1

Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d
Report Date: 29-Mar-2006 05:04

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
9.615	137589	31.2516630	6.3	0		0	1
1,4-Dioxane				CAS #: 123-91-1			
10.639	210012	47.7014820	9.5	91	NBS129K.l	108820	1

Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

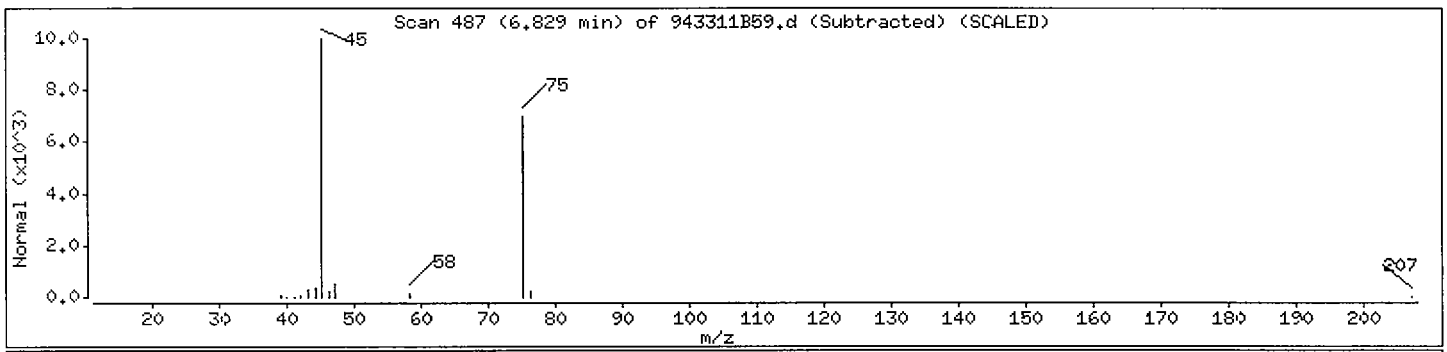
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

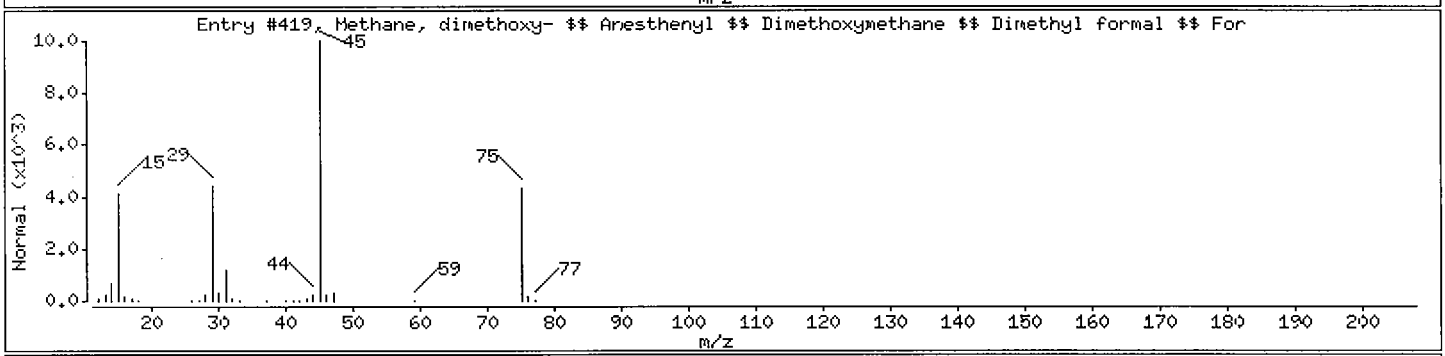
Sample Info: 943311:2481

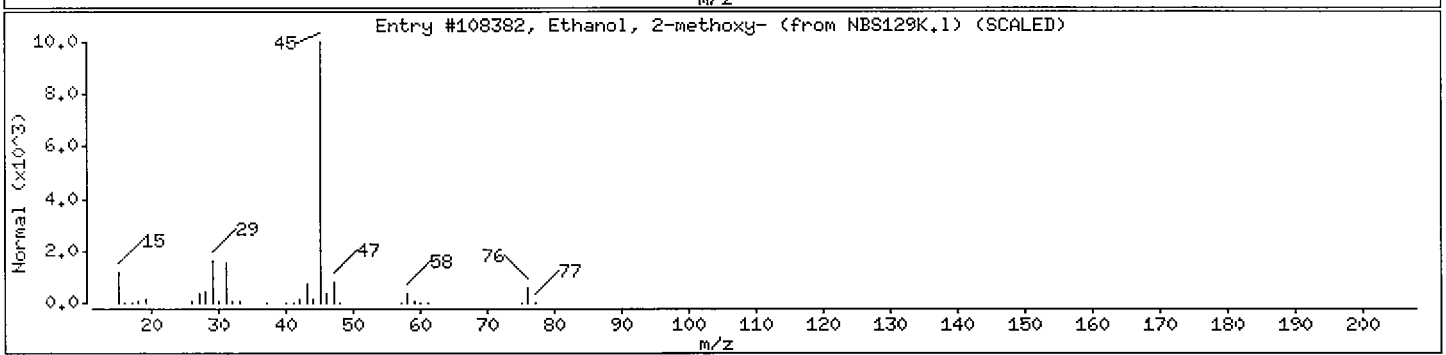
Purge Volume: 5.0 Operator: 2481

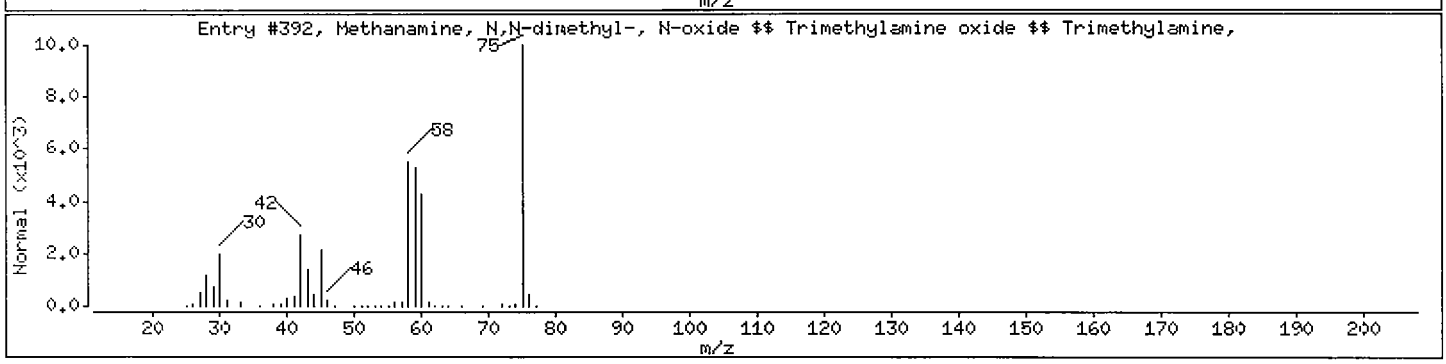
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dimethoxy- $$ Anesthenyl $$ Dim	109-87-5	NBS129K.l	419	90	C3H8O2	76
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108382	9	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	4	C3H9NO	75









Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

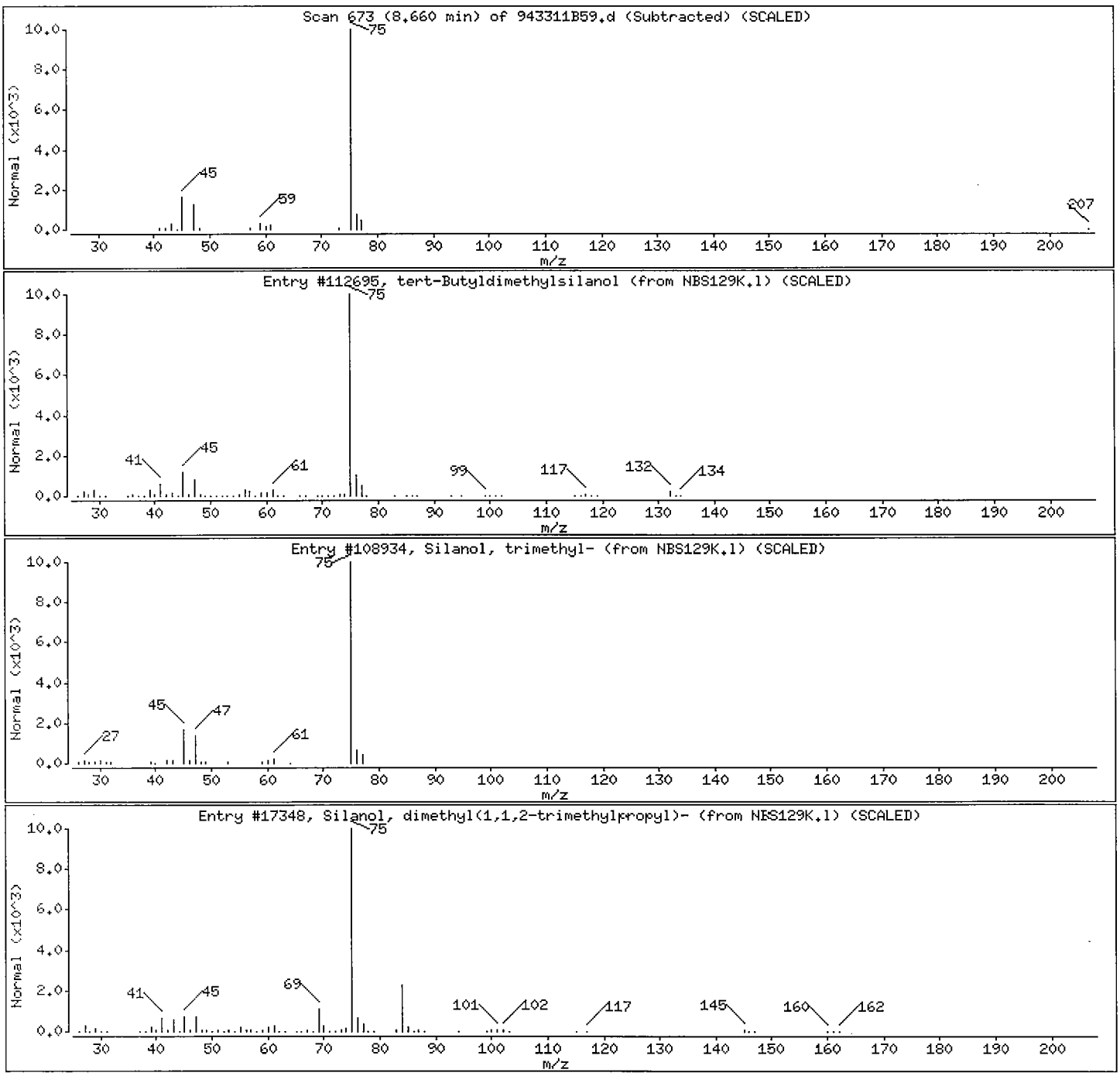
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

Sample Info: 943311:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	74	C6H16OSi	132
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	64	C3H10OSi	90
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	64	C8H20OSi	160



Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

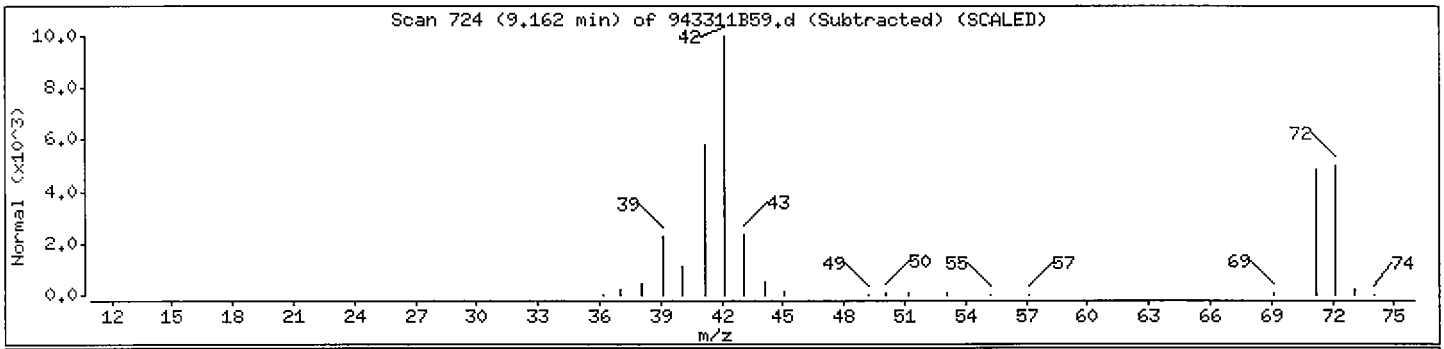
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

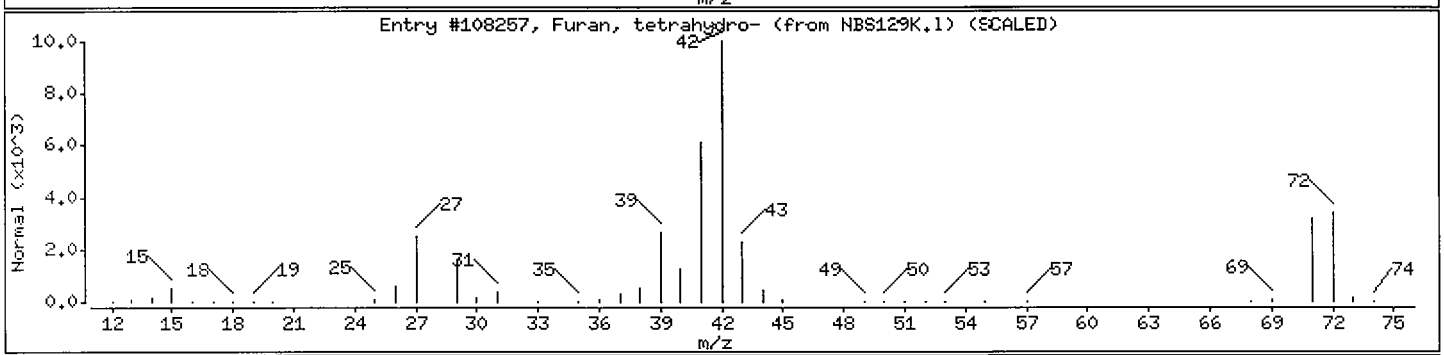
Sample Info: 943311:2481

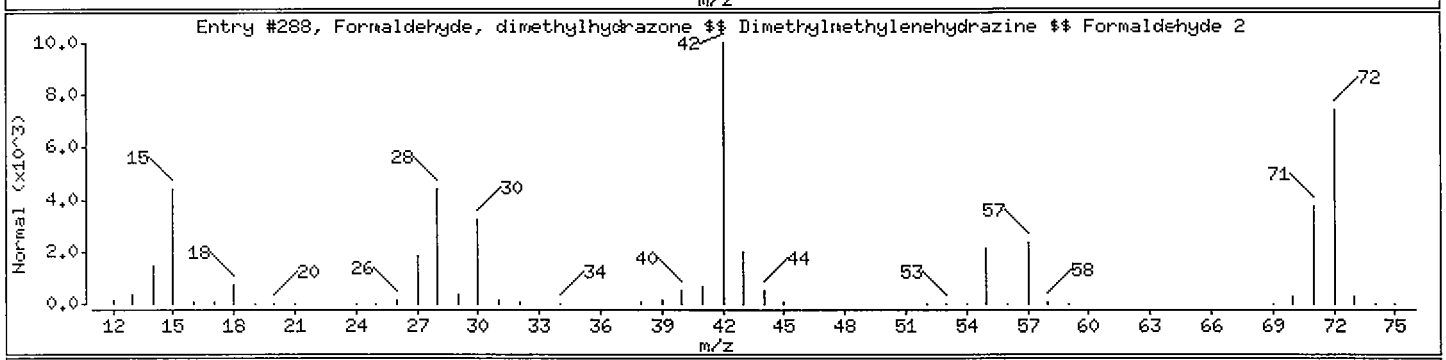
Purge Volume: 5.0 Operator: 2481

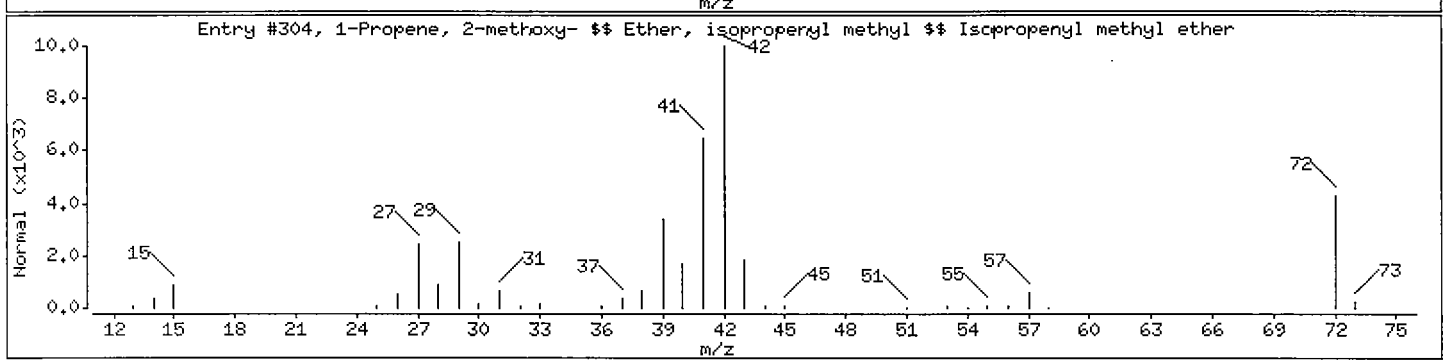
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Formaldehyde, dimethylhydrazone $$ Dimet	2035-89-4	NBS129K.l	288	72	C3H8N2	72
1-Propene, 2-methoxy- $$ Ether, isoprope	116-11-0	NBS129K.l	304	53	C4H8O	72









Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

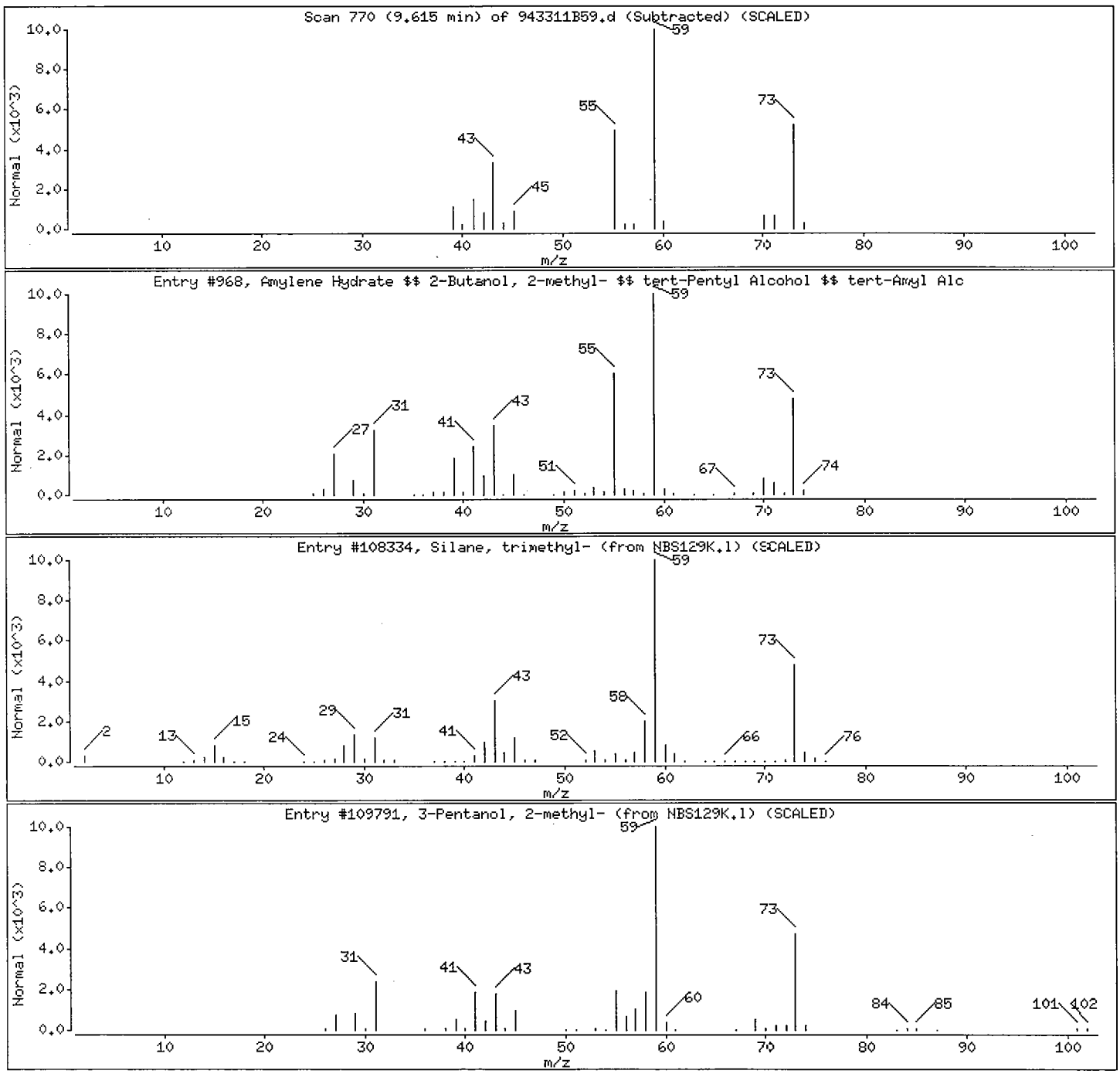
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

Sample Info: 943311:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Amylene Hydrate $$ 2-Butanol, 2-methyl-	75-85-4	NBS129K.l	968	83	C5H12O	88
Silane, trimethyl-	993-07-7	NBS129K.l	108334	40	C3H10Si	74
3-Pentanol, 2-methyl-	565-67-3	NBS129K.l	109791	39	C6H14O	102



Data File: /chem/5972hp59.i/DF060328B59.b/943311B59.d

Date : 29-MAR-2006 09:11

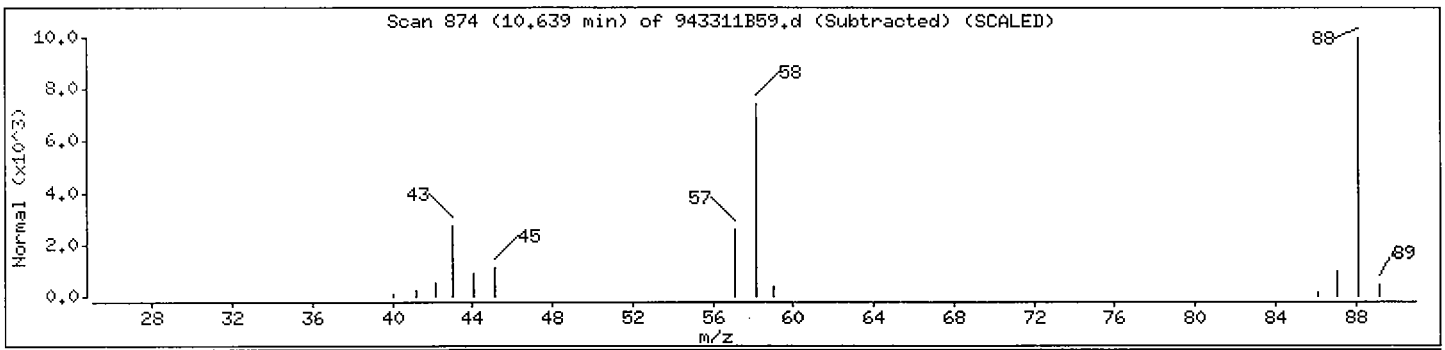
Client ID: ACSGWMW33-27 Instrument: 5972hp59.i

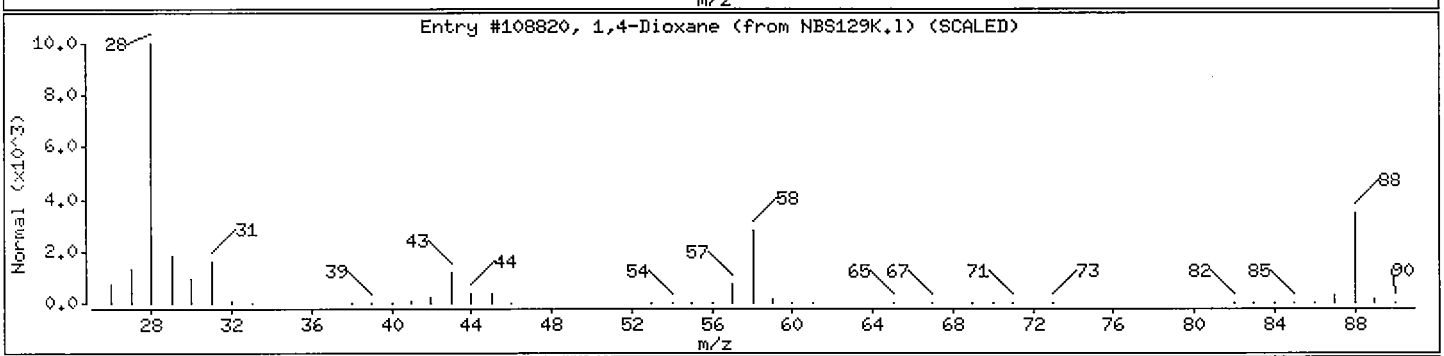
Sample Info: 943311:2481

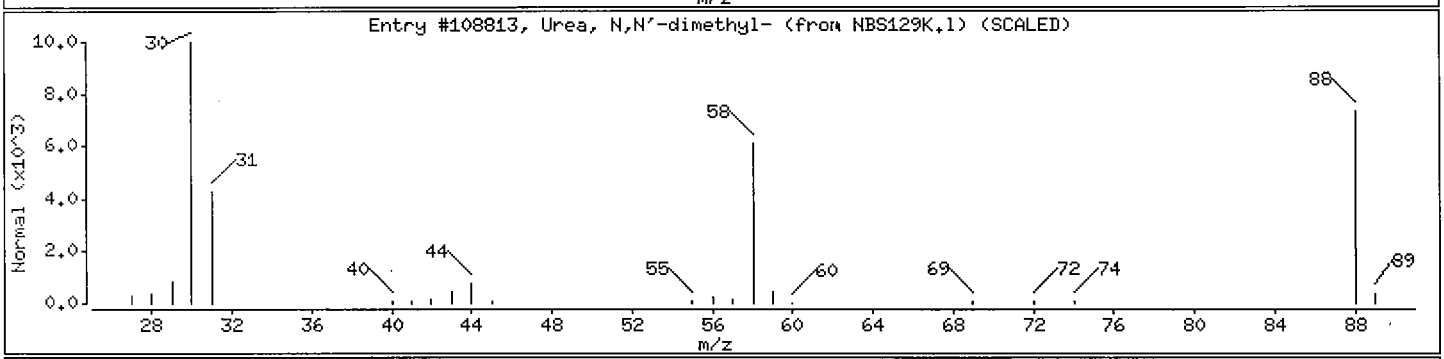
Purge Volume: 5.0 Operator: 2481

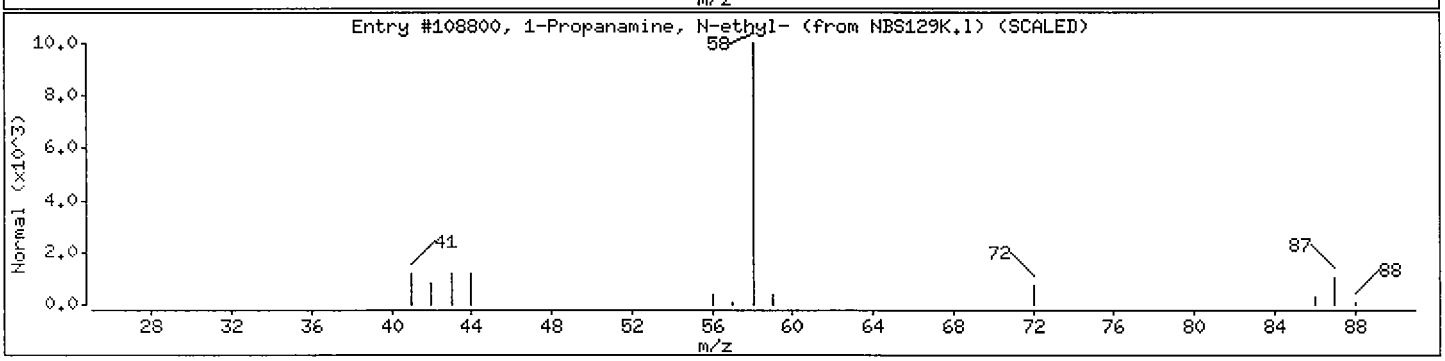
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	32	C5H13N	87









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	20	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

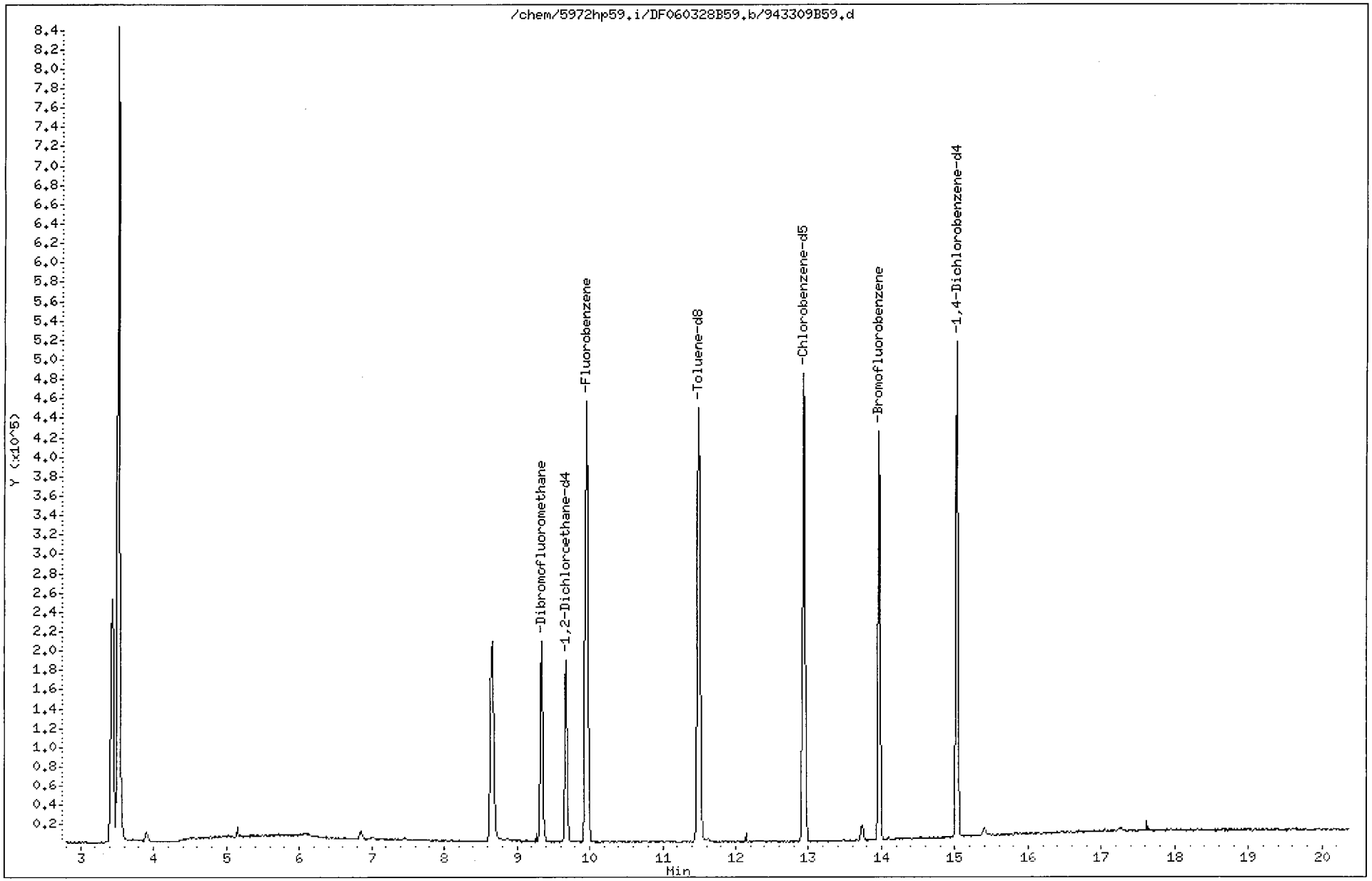
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/943309B59.d
Date : 29-MAR-2006 08:14
Client ID: ACSGWMW51-27 Instrument: 5972hp59.i
Sample Info: 943309;2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/943309B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943309B59.d
Lab Smp Id: 943309 Client Smp ID: ACSGWMW51-27
Inj Date : 29-MAR-2006 08:14
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943309:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	9.963	9.967	(1.000)	548570	250.000	
* 2	Chlorobenzene-d5	117	12.936	12.950	(1.000)	359415	250.000	
* 3	1,4-Dichlorobenzene-d4	152	15.023	15.037	(1.000)	169640	250.000	
$ 4	Dibromofluoromethane	113	9.343	9.347	(0.938)	154192	217.676	44
$ 5	1,2-Dichloroethane-d4	65	9.677	9.681	(0.971)	165478	222.965	45
$ 6	Toluene-d8	98	11.499	11.503	(0.889)	488132	226.551	45
$ 7	Bromofluorobenzene	95	13.970	13.974	(0.930)	198893	222.052	44
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	1,1-Dichloroethene	96	Compound Not Detected.					
17	Acetone	43	6.852	6.856	(0.688)	16080	98.5016	20
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/943309B59.d
Report Date: 29-Mar-2006 05:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/943309B59.d

Date : 29-MAR-2006 08:14

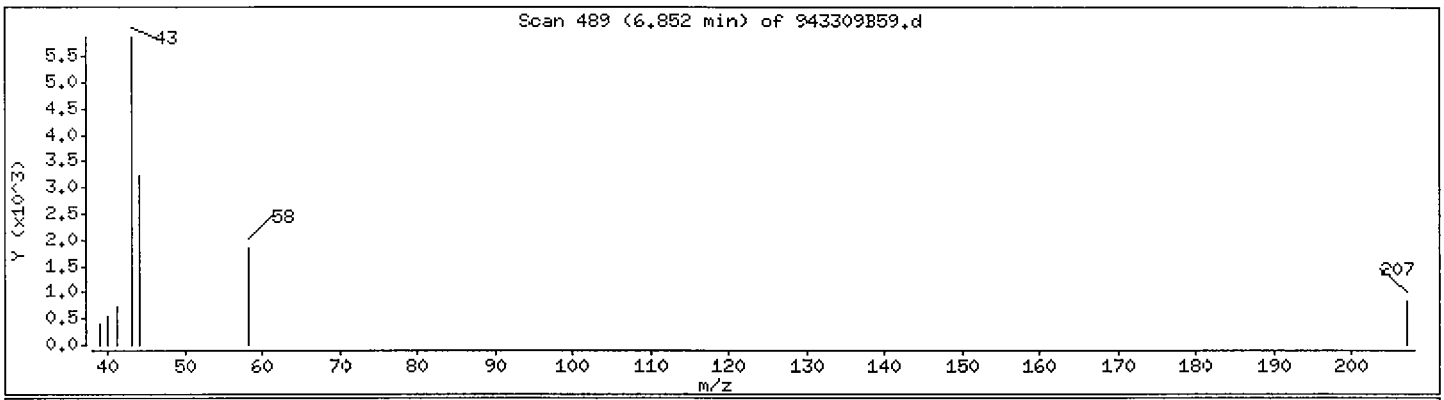
Client ID: ACSGWMW51-27 Instrument: 5972hp59.i

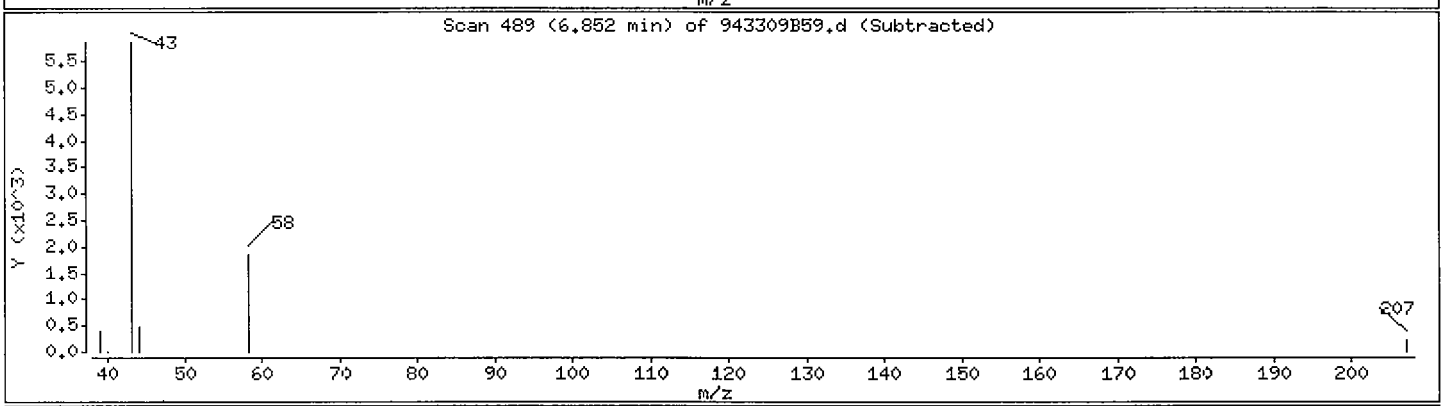
Sample Info: 943309:2481

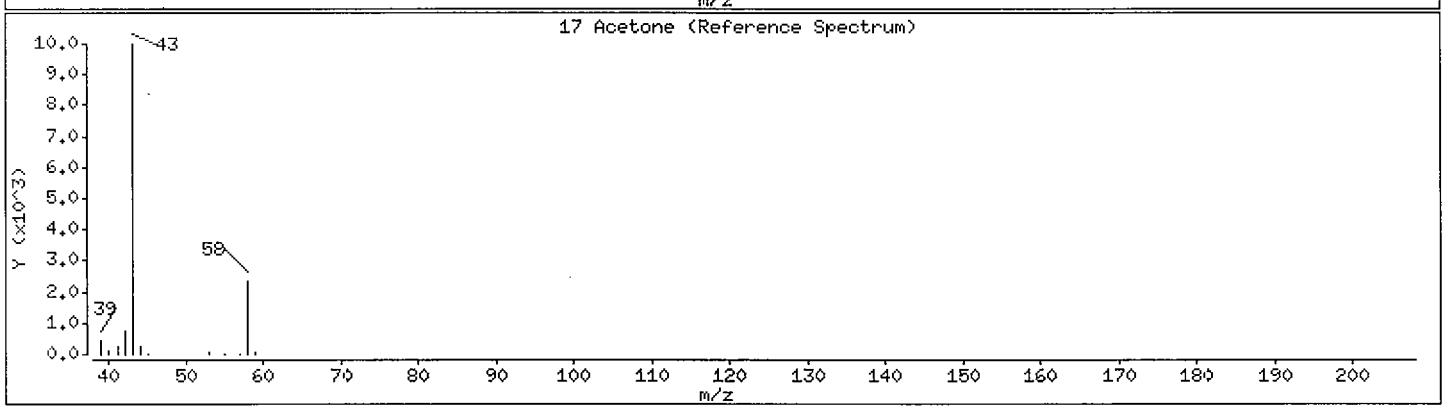
Purge Volume: 5.0 Operator: 2481

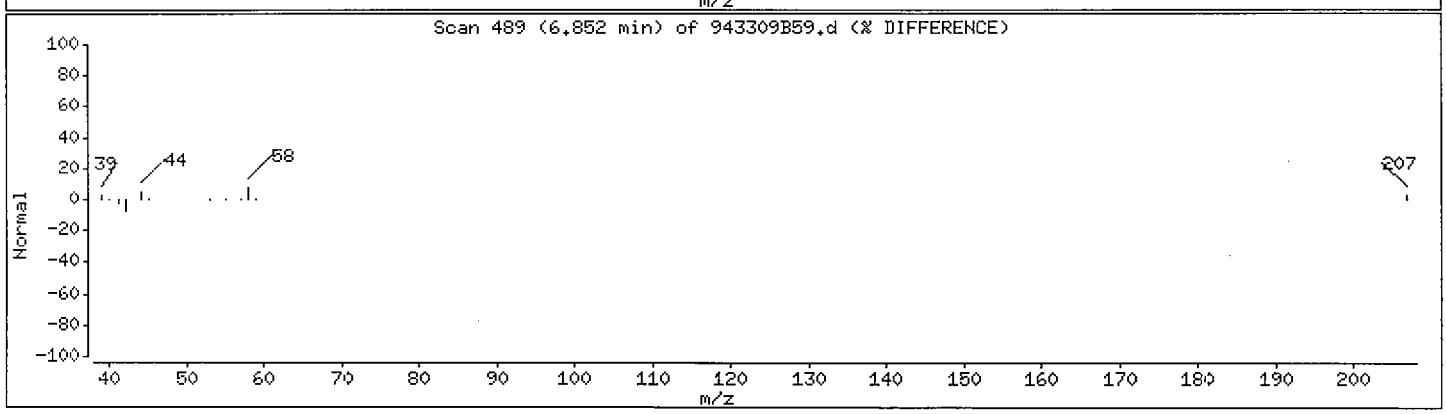
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 20 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943309B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943309B59.d
Lab Smp Id: 943309 Client Smp ID: ACSGWMW51-27
Inj Date : 29-MAR-2006 08:14
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943309:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	32	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	6.5	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

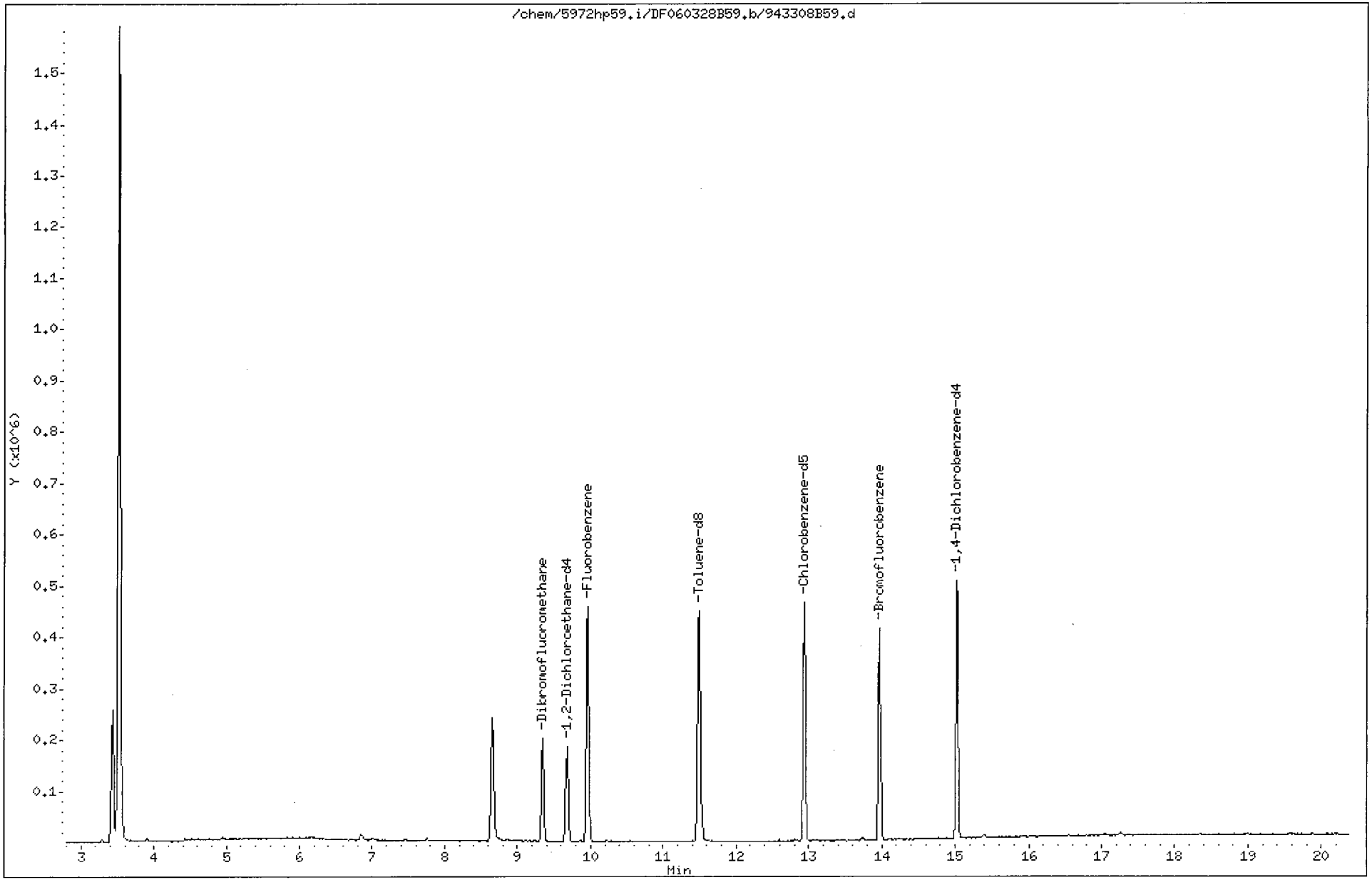
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	32	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d
Date : 29-MAR-2006 07:45
Client ID: ACSGWMW52-27
Instrument: 5972hp59.i
Sample Info: 943308:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943308B59.d
Lab Smp Id: 943308 Client Smp ID: ACSGWMW52-27
Inj Date : 29-MAR-2006 07:45
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943308:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.961	9.967	(1.000)	539104	250.000	
* 2 Chlorobenzene-d5	117	12.944	12.950	(1.000)	355429	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.022	15.037	(1.000)	168626	250.000	
$ 4 Dibromofluoromethane	113	9.341	9.347	(0.938)	148567	213.417	43
$ 5 1,2-Dichloroethane-d4	65	9.676	9.681	(0.971)	158754	217.661	44
$ 6 Toluene-d8	98	11.497	11.503	(0.888)	480819	225.659	45
$ 7 Bromofluorobenzene	95	13.968	13.974	(0.930)	197105	221.379	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.850	6.856	(0.688)	23036	159.846	32
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d
Report Date: 29-Mar-2006 05:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	8.868	8.864	(0.890)	6431	32.2656	6.5(a)
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d

Date : 29-MAR-2006 07:45

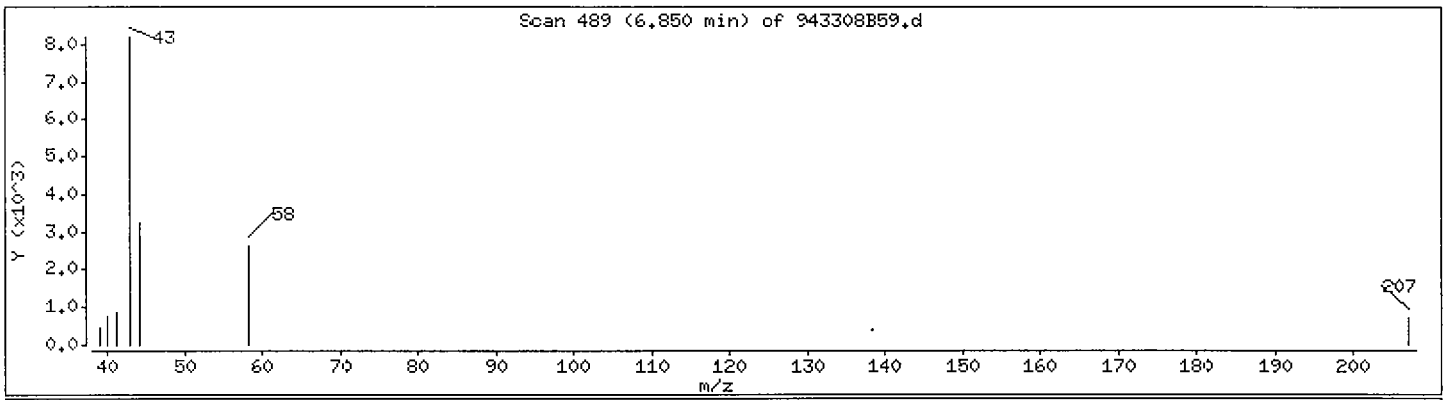
Client ID: ACSGWMW52-27 Instrument: 5972hp59.i

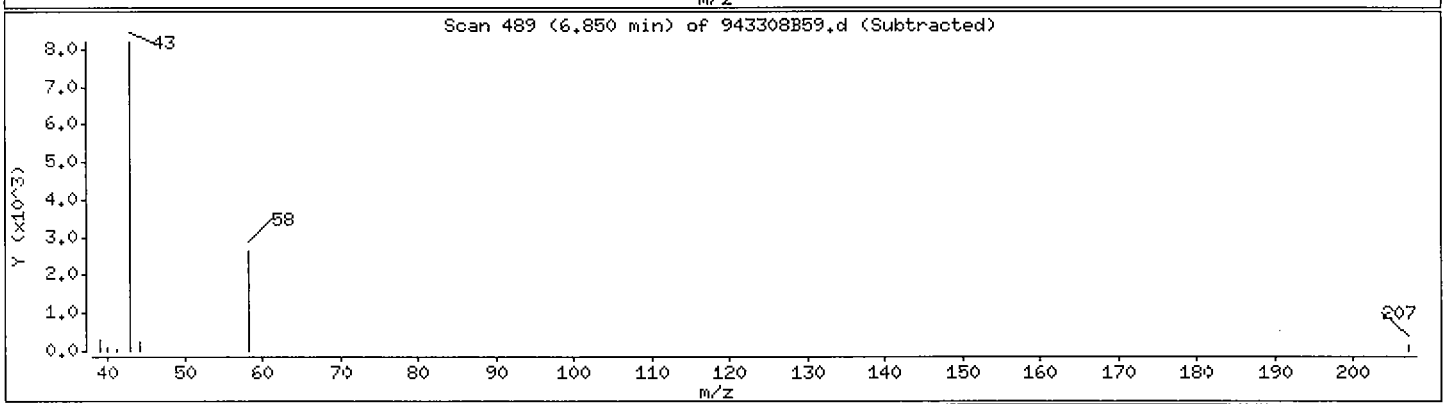
Sample Info: 943308:2481

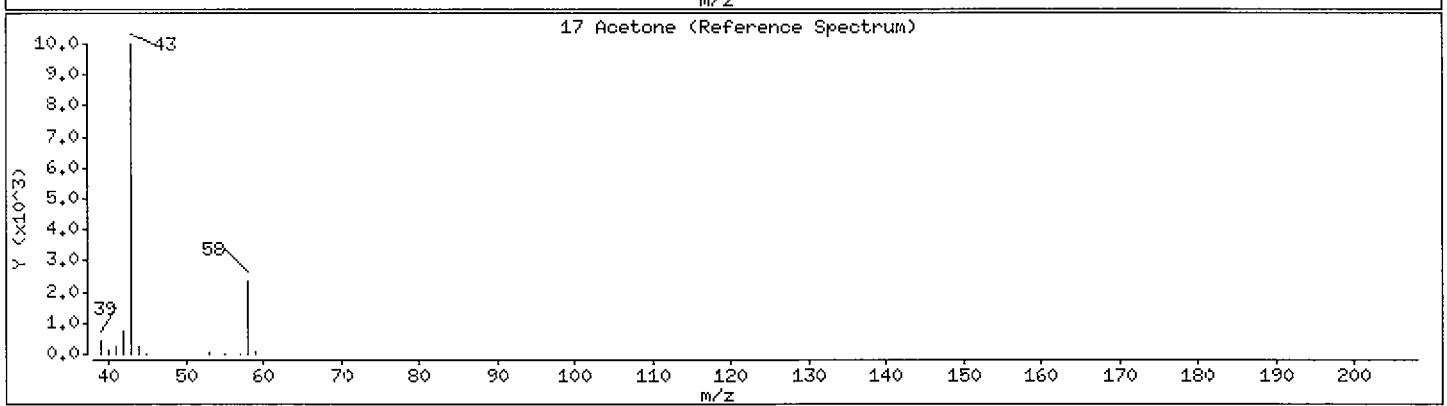
Purge Volume: 5.0 Operator: 2481

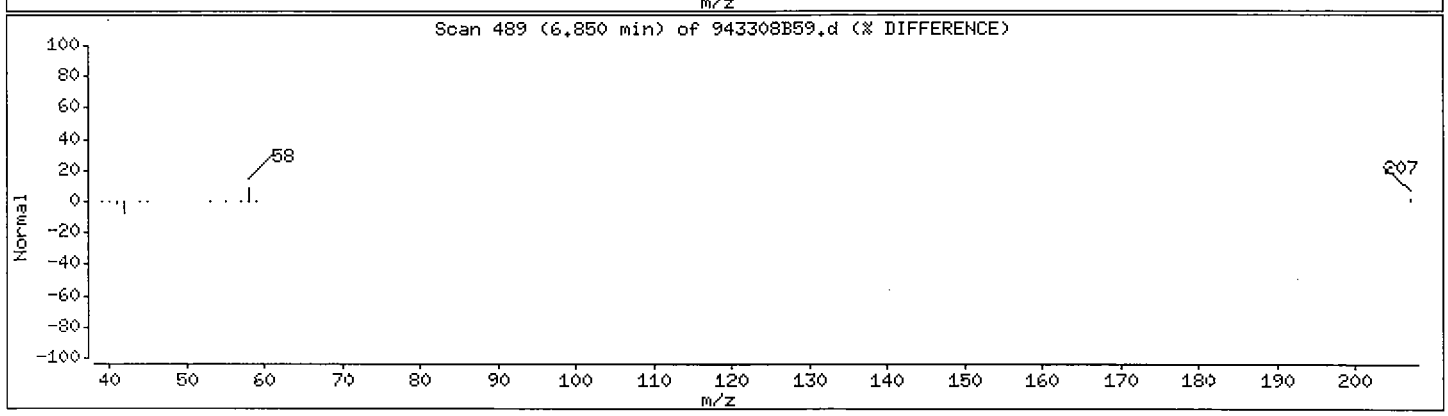
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 32 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d

Date : 29-MAR-2006 07:45

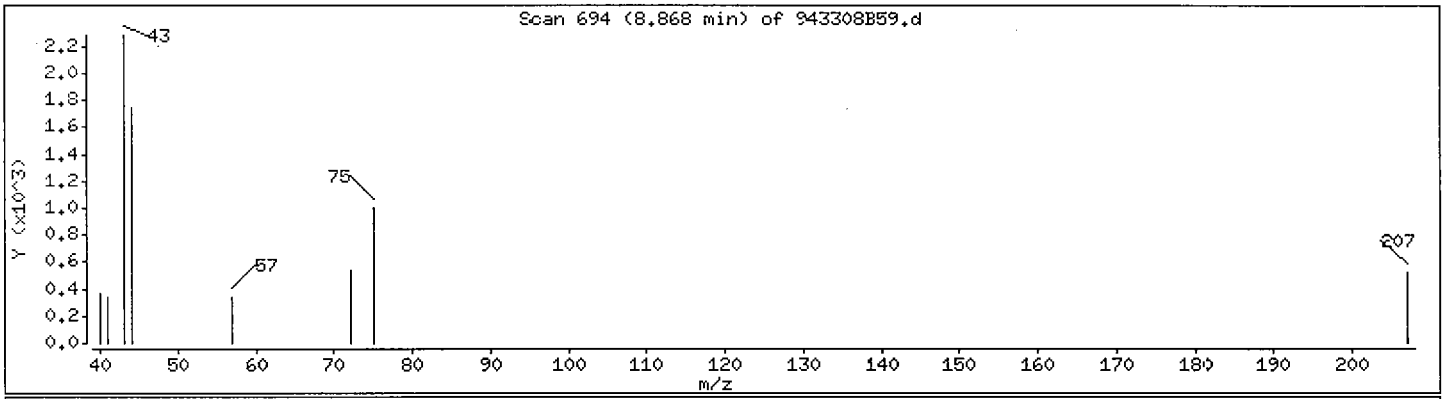
Client ID: ACSGWMW52-27 Instrument: 5972hp59.i

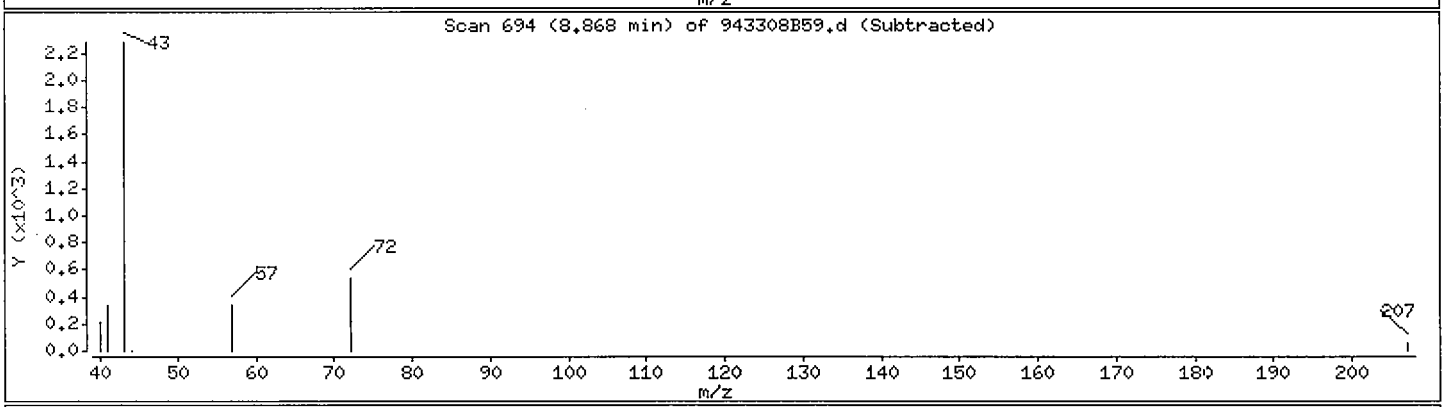
Sample Info: 943308:2481

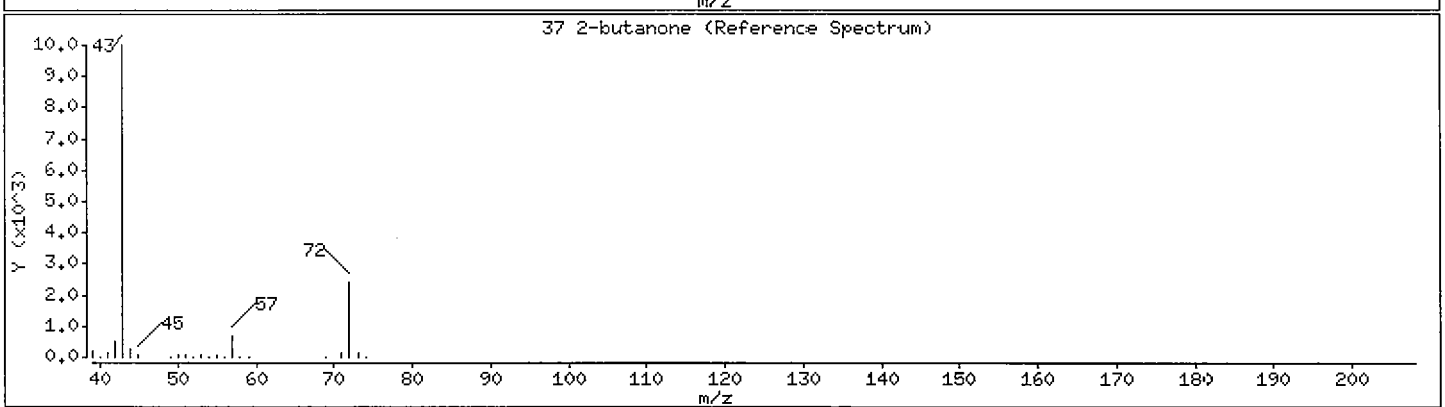
Purge Volume: 5.0 Operator: 2481

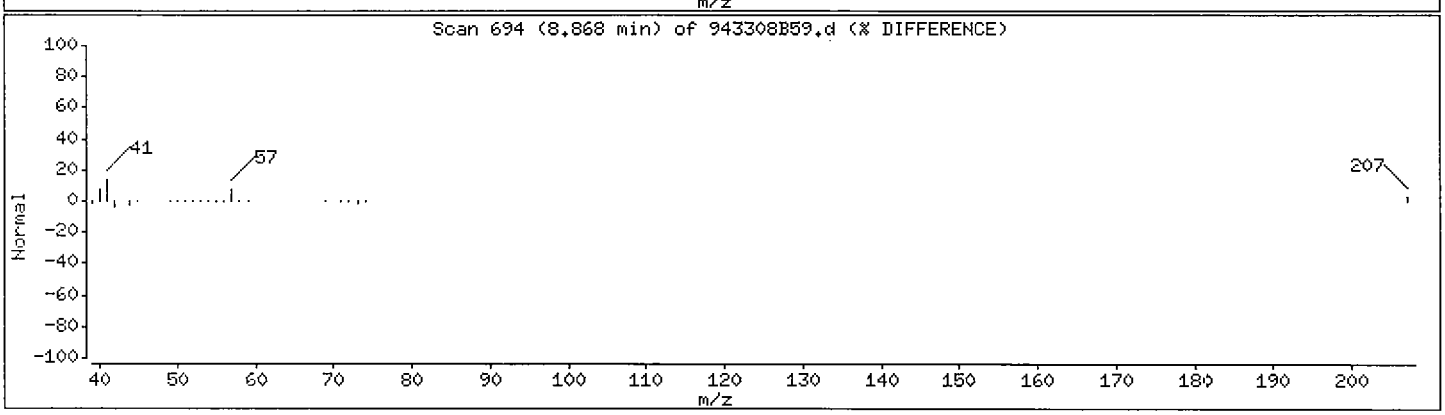
Column phase: ZB-624 Column diameter: 0.32

37 2-butanone Concentration: 6.5 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943308B59.d
Lab Smp Id: 943308 Client Smp ID: ACSGWMW52-27
Inj Date : 29-MAR-2006 07:45
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943308:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.961	1126816	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl- $$ Hydroxytrimethyls			CAS #: 1066-40-6				
8.662	713952	158.400278	32	90	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060328B59.b/943308B59.d

Date : 29-MAR-2006 07:45

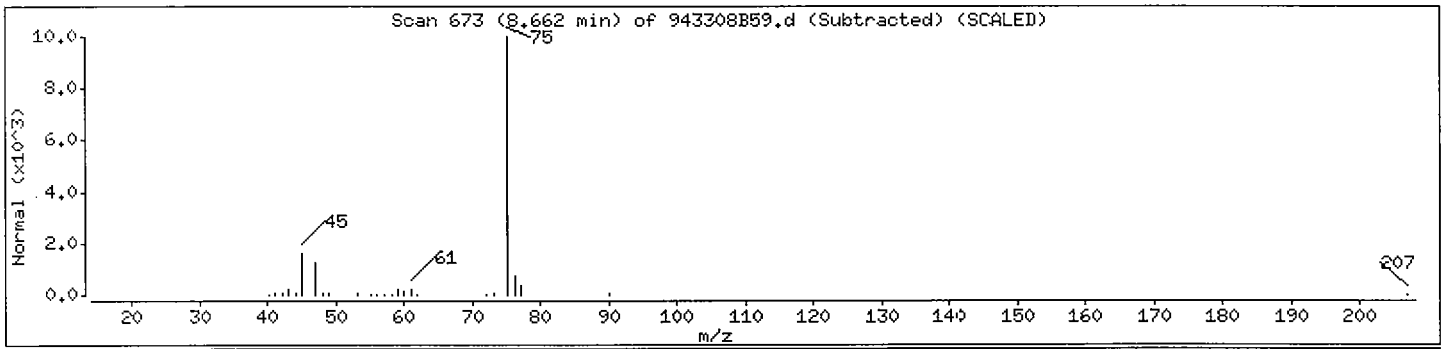
Client ID: ACSGWMW52-27 Instrument: 5972hp59.i

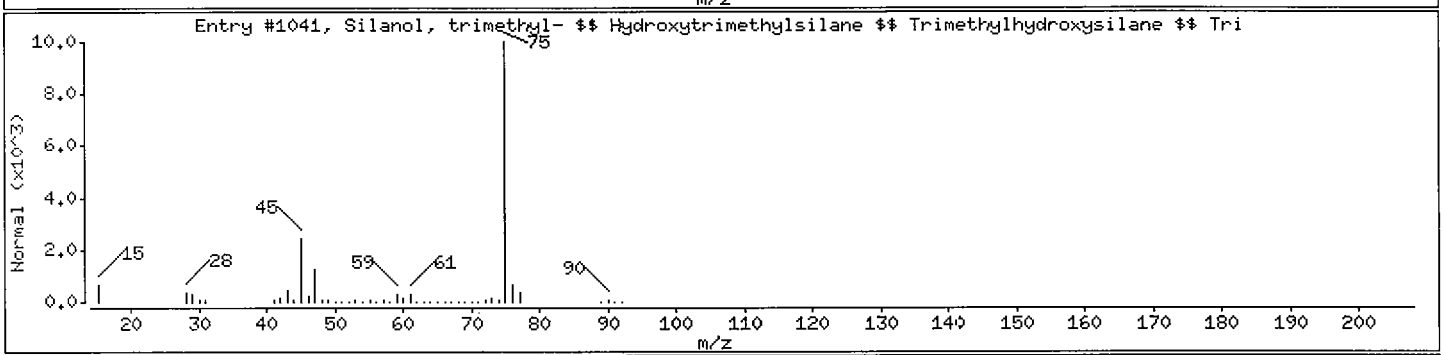
Sample Info: 943308;2481

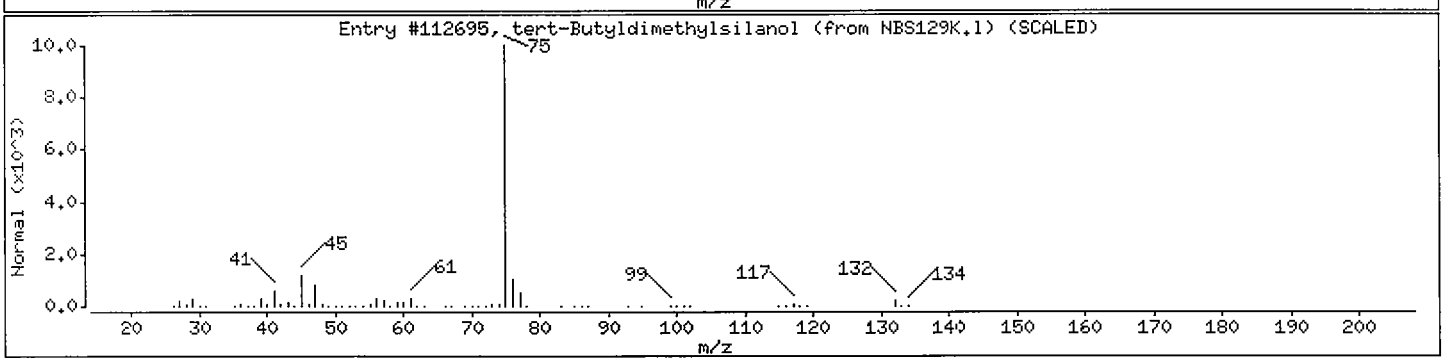
Purge Volume: 5.0 Operator: 2481

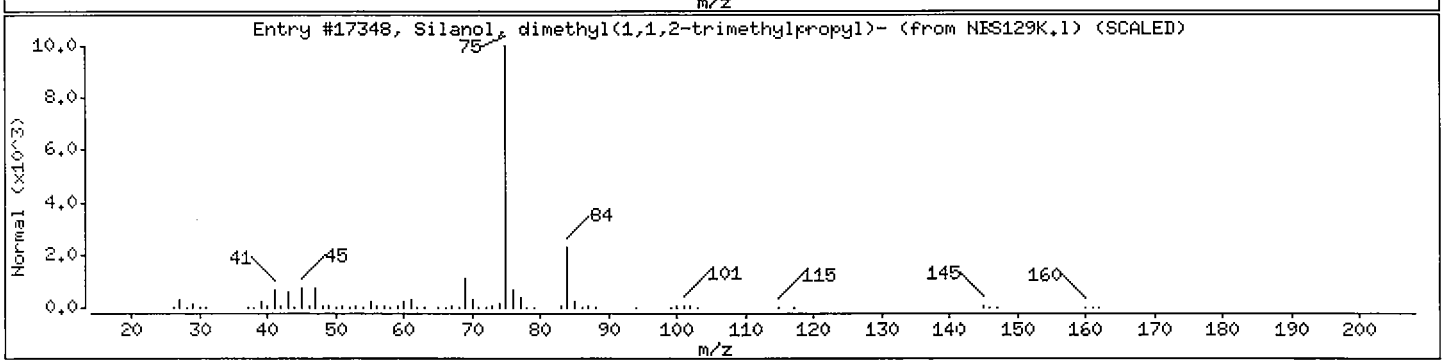
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	90	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	74	C6H16OSi	132
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	64	C8H20OSi	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	14	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

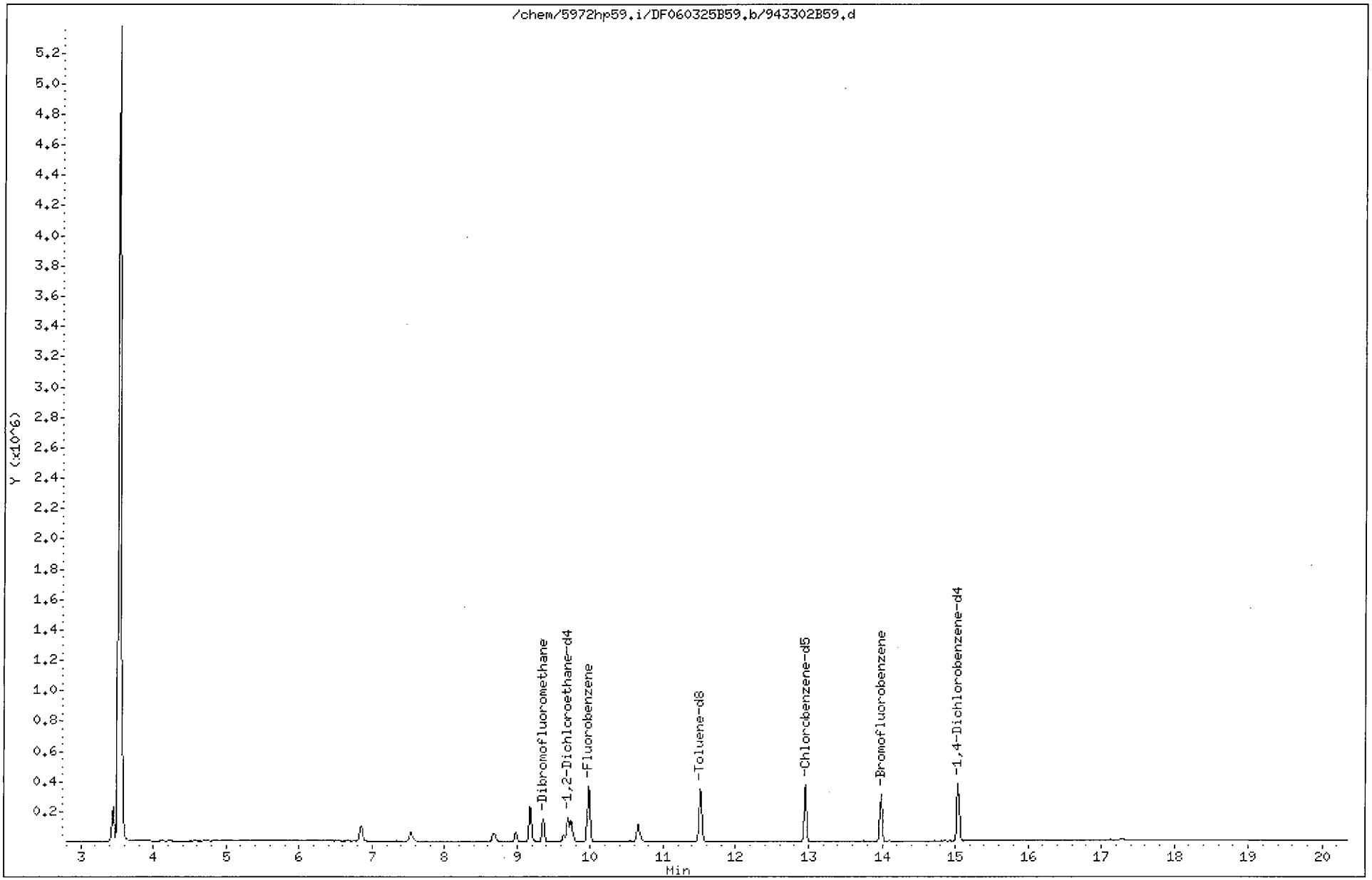
Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	17	J
2.		UNKNOWN	7.54	14	J
3.		UNKNOWN	8.67	9.6	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	33	NJ
5.	123-91-1	1,4-DIOXANE	10.65	19	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d
Date : 26-MAR-2006 02:18
Client ID: ACSGWMW53-27
Instrument: 5972hp59.i
Sample Info: 943302:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943302B59.d
Lab Smp Id: 943302 Client Smp ID: ACSGWMW53-27
Inj Date : 26-MAR-2006 02:18
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943302:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.975	9.976	(1.000)	411574	250.000	
* 2 Chlorobenzene-d5	117	12.958	12.959	(1.000)	260768	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.045	15.046	(1.000)	121987	250.000	
$ 4 Dibromofluoromethane	113	9.364	9.356	(0.939)	117244	220.609	44
$ 5 1,2-Dichloroethane-d4	65	9.699	9.690	(0.972)	138173	248.144	50
$ 6 Toluene-d8	98	11.510	11.512	(0.888)	361755	231.411	46
$ 7 Bromofluorobenzene	95	13.981	13.983	(0.929)	149889	232.712	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d
Report Date: 28-Mar-2006 05:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	9.738	9.740	(0.976)	116793	67.5855	14
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

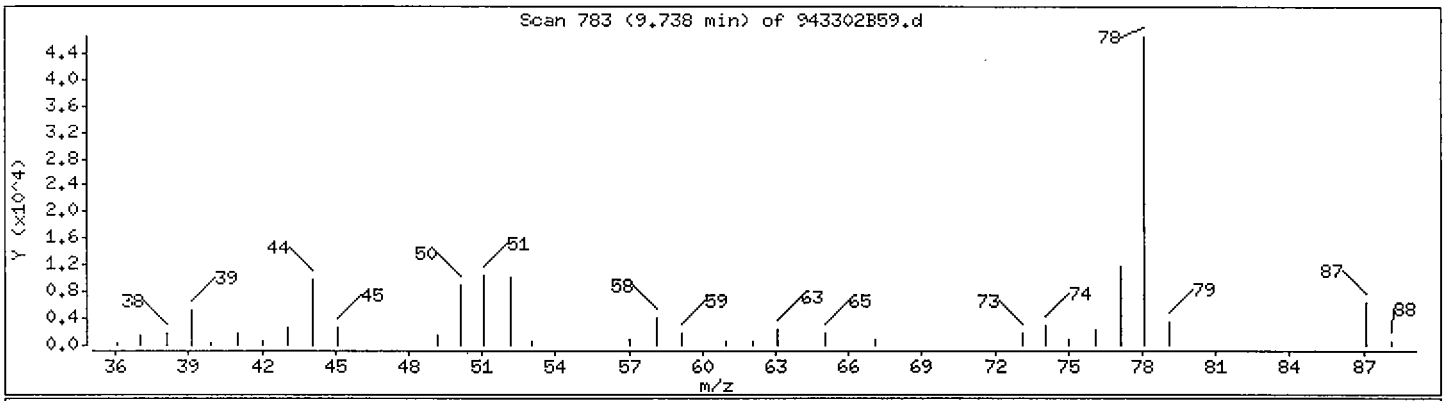
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

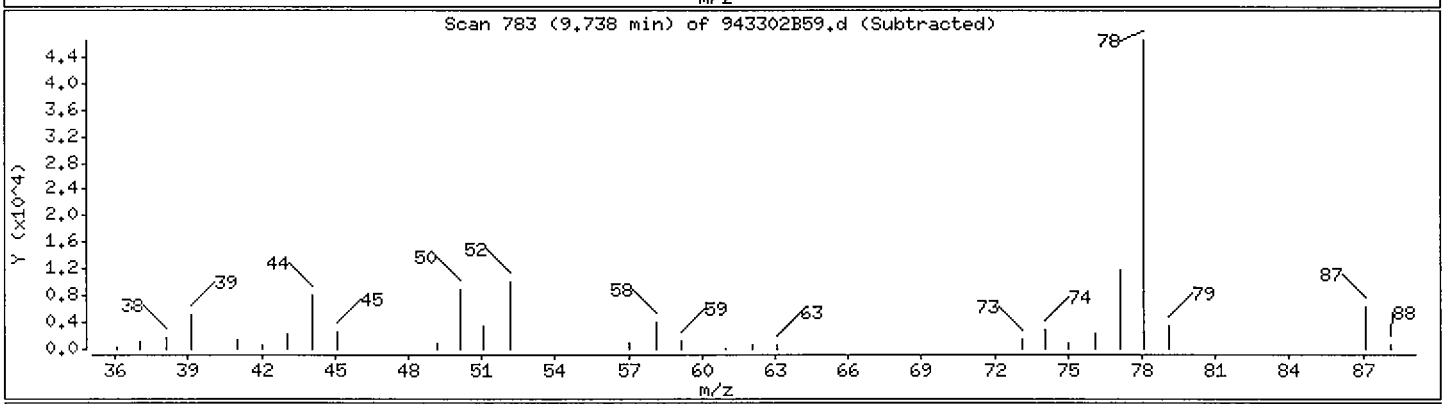
Sample Info: 943302:2481

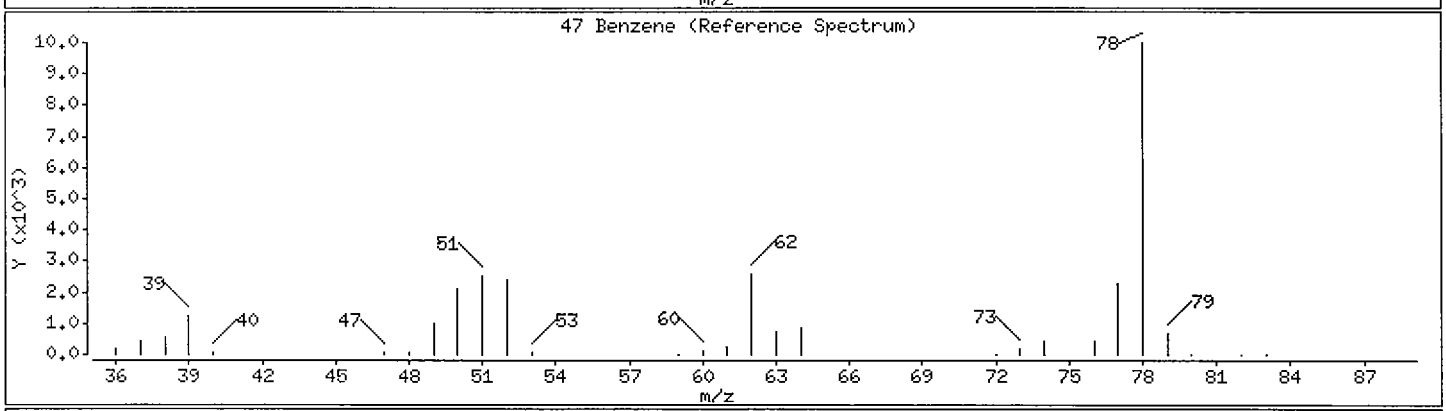
Purge Volume: 5.0 Operator: 2481

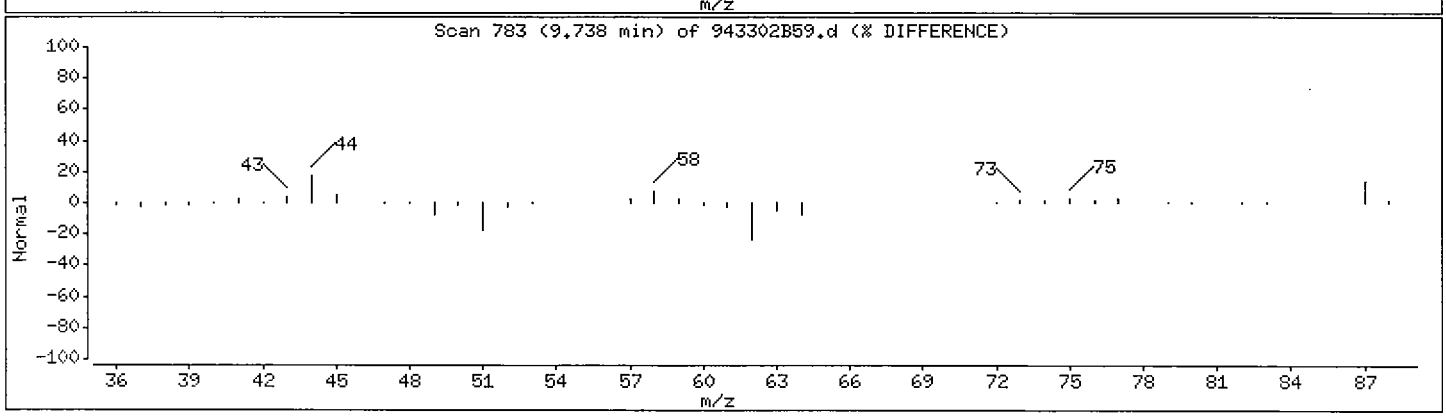
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 14 ug/L









Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943302B59.d
Lab Smp Id: 943302 Client Smp ID: ACSGWMW53-27
Inj Date : 26-MAR-2006 02:18
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943302:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.975	909982	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.854	305389	83.8998237	17	0		0	1
Unknown				CAS #:			
7.543	257729	70.8060516	14	0		0	1
Unknown				CAS #:			
8.675	175044	48.0899084	9.6	0		0	1

Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d
Report Date: 28-Mar-2006 05:21

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Furan, tetrahydro-					CAS #: 109-99-9		
9.177	598219	164.349061	33	91	NBS129K.l	108257	1
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$					CAS #: 123-91-1		
10.654	348653	95.7857241	19	91	NBS129K.l	913	1

Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

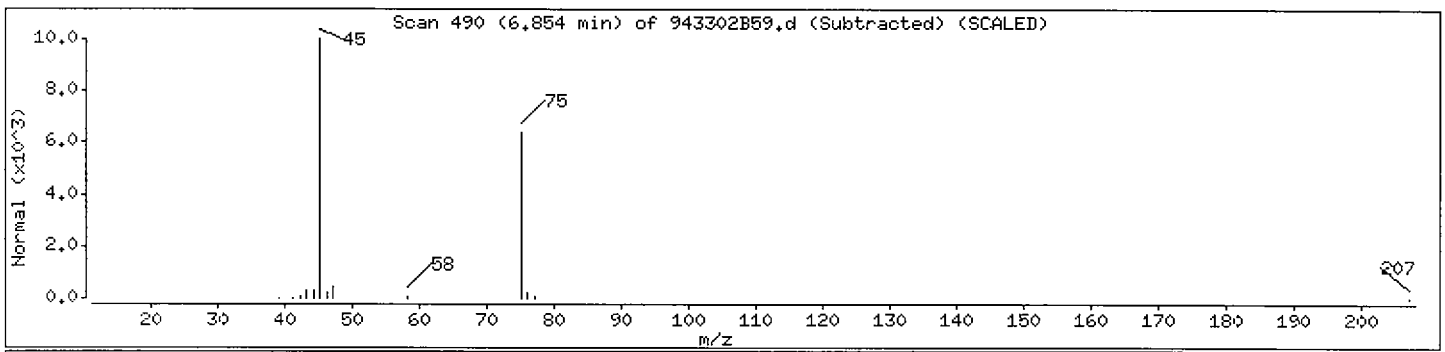
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

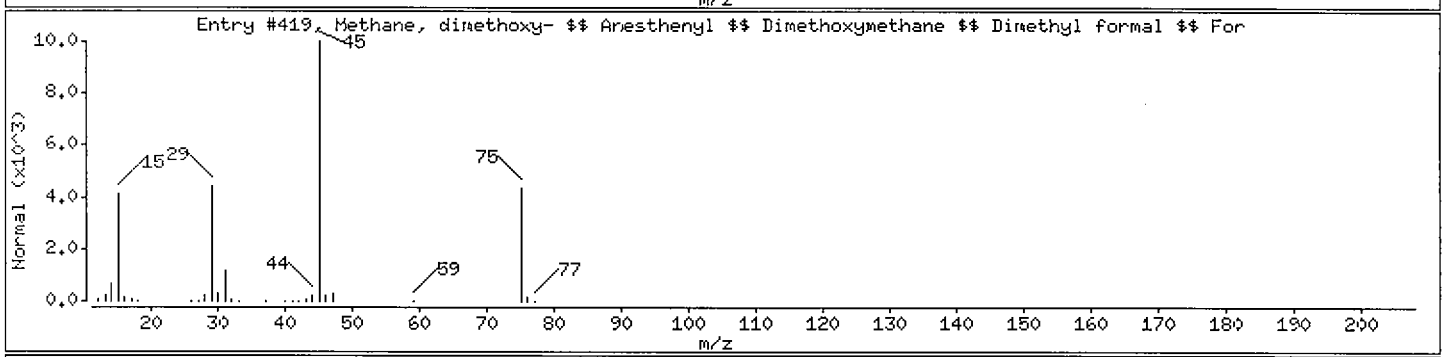
Sample Info: 943302:2481

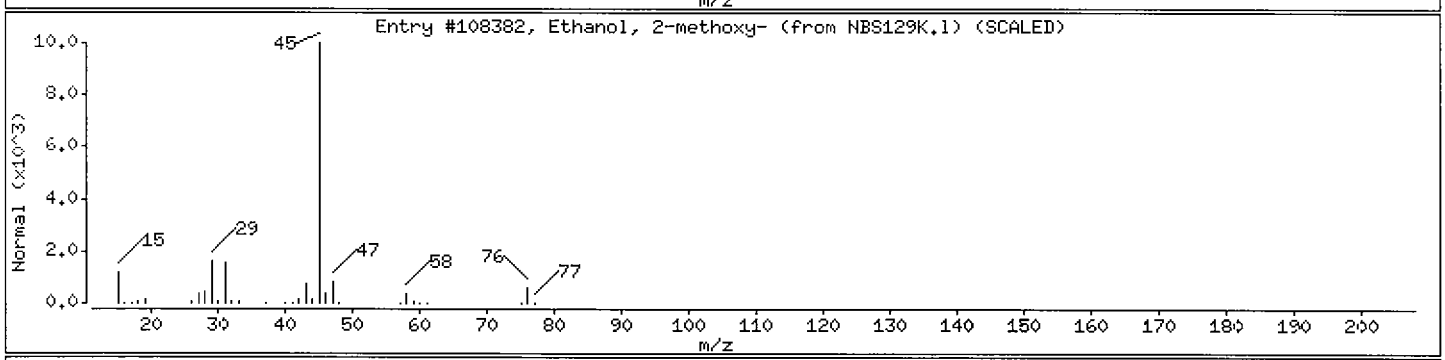
Purge Volume: 5.0 Operator: 2481

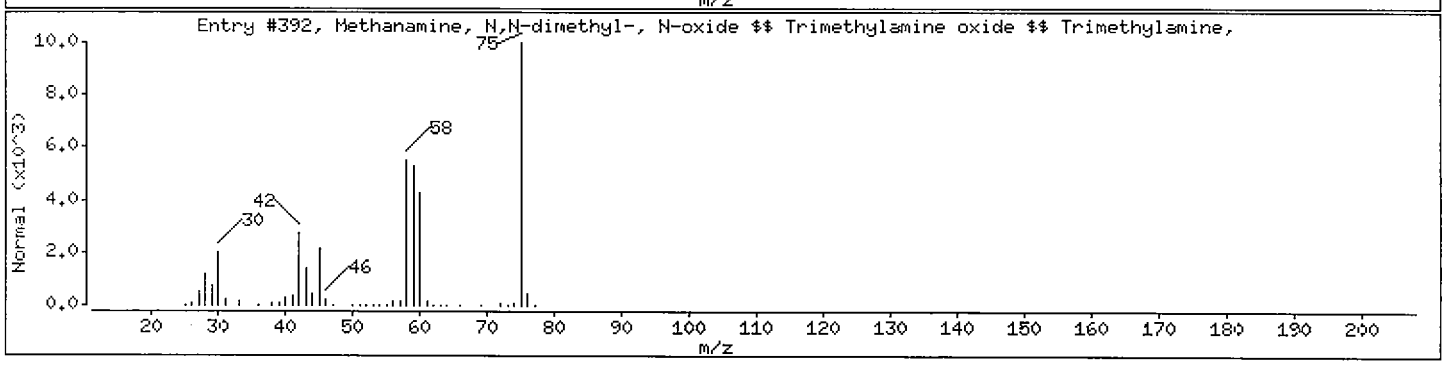
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, dimethoxy- $$ Anesthenyl $$ Dim	109-87-5	NBS129K.l	419	83	C3H8O2	76
Ethanol, 2-methoxy-	109-86-4	NBS129K.l	108382	7	C3H8O2	76
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	4	C3H9NO	75









Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

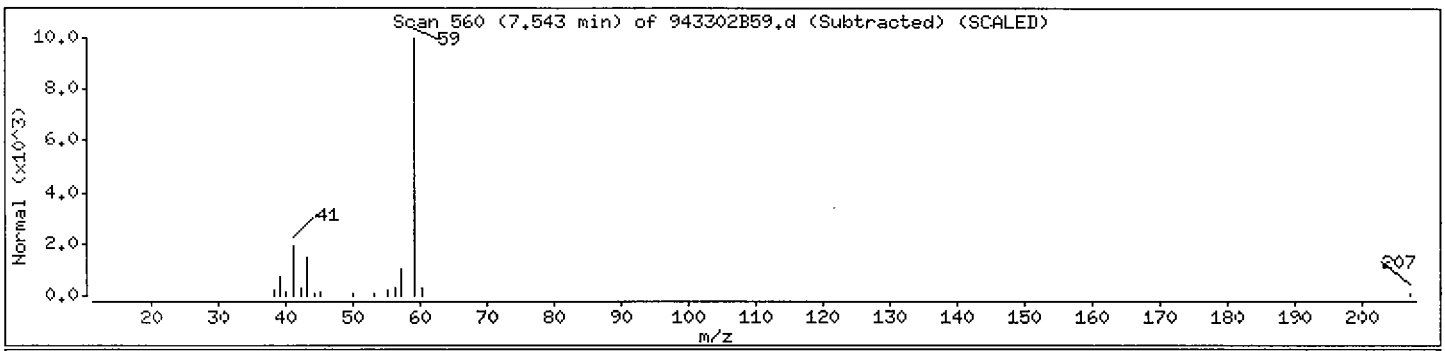
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

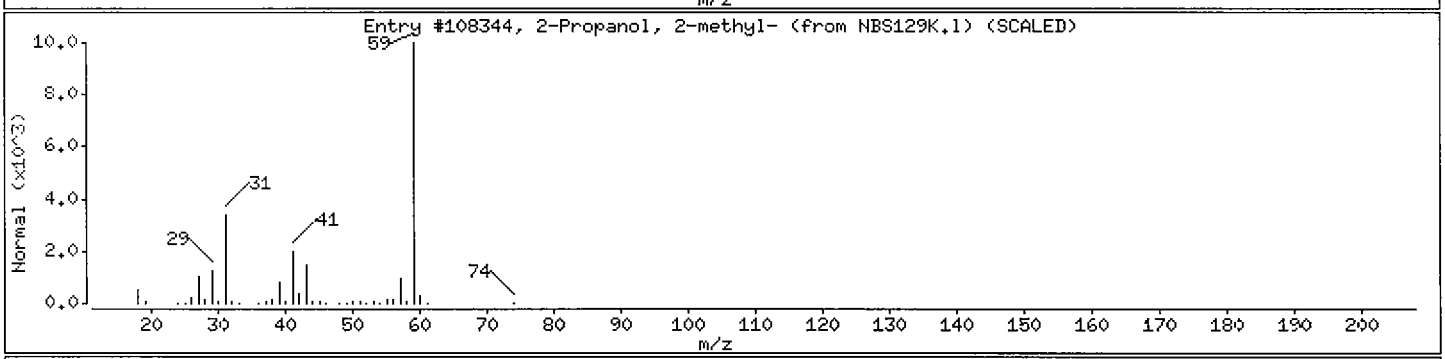
Sample Info: 943302:2481

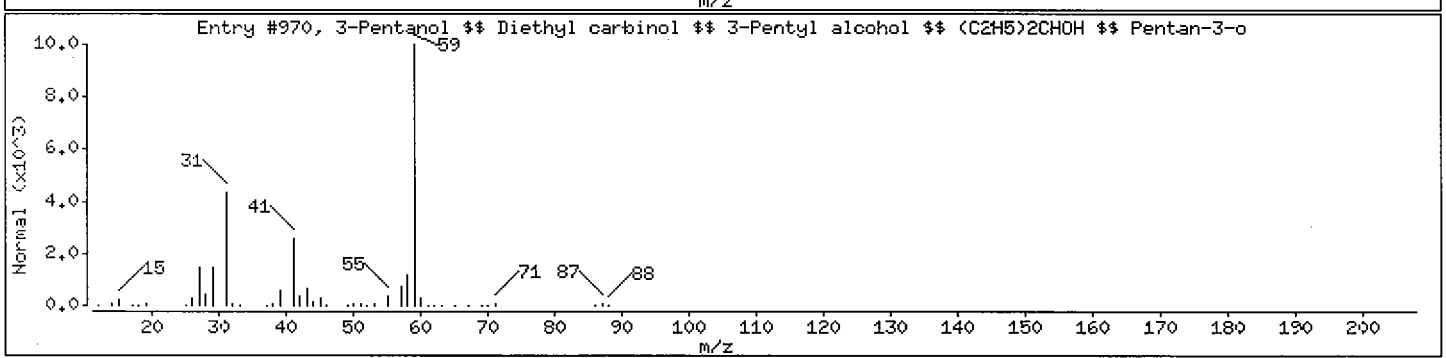
Purge Volume: 5.0 Operator: 2481

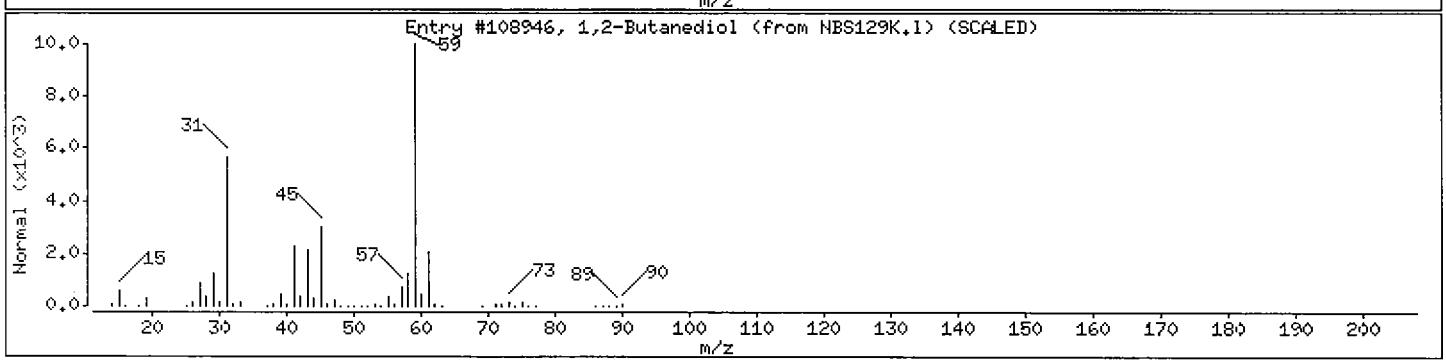
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108344	78	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	43	C5H12O	88
1,2-Butanediol	584-03-2	NBS129K.l	108946	9	C4H10O2	90









Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

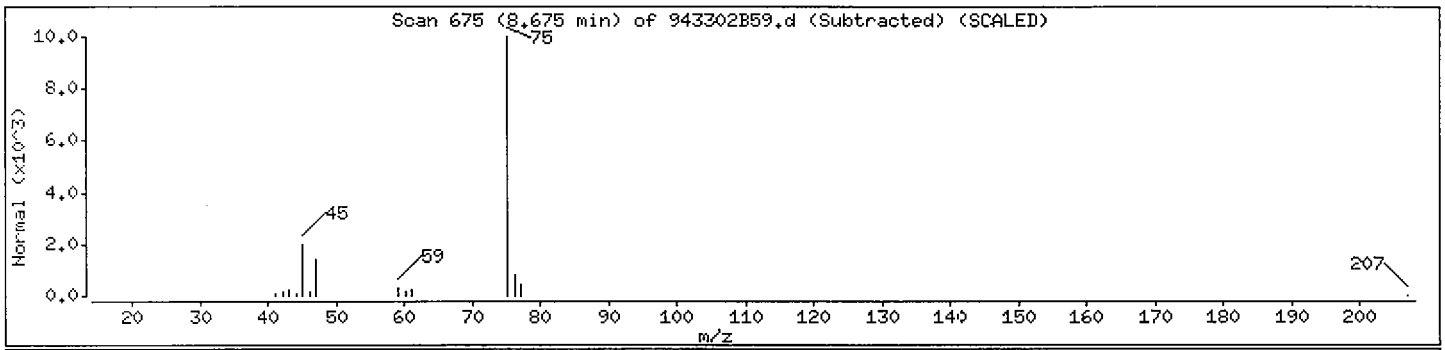
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

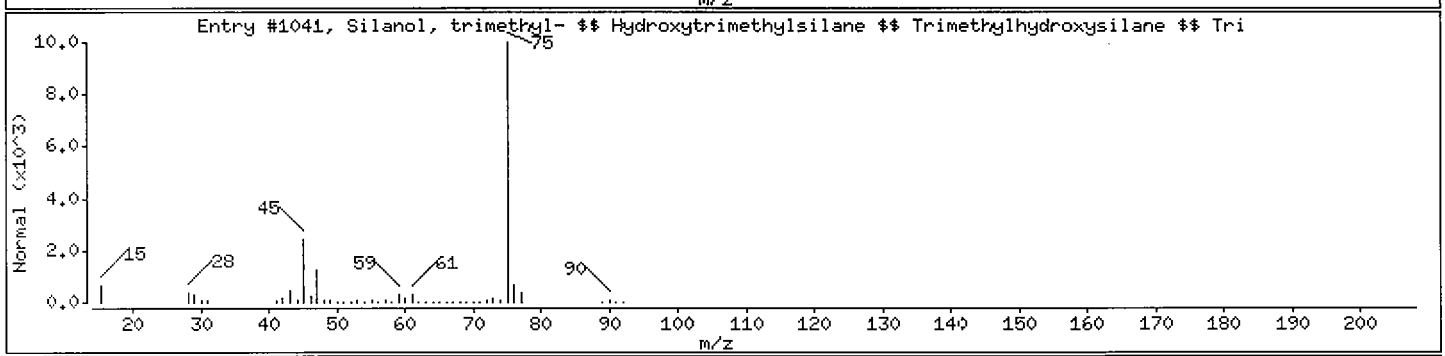
Sample Info: 943302:2481

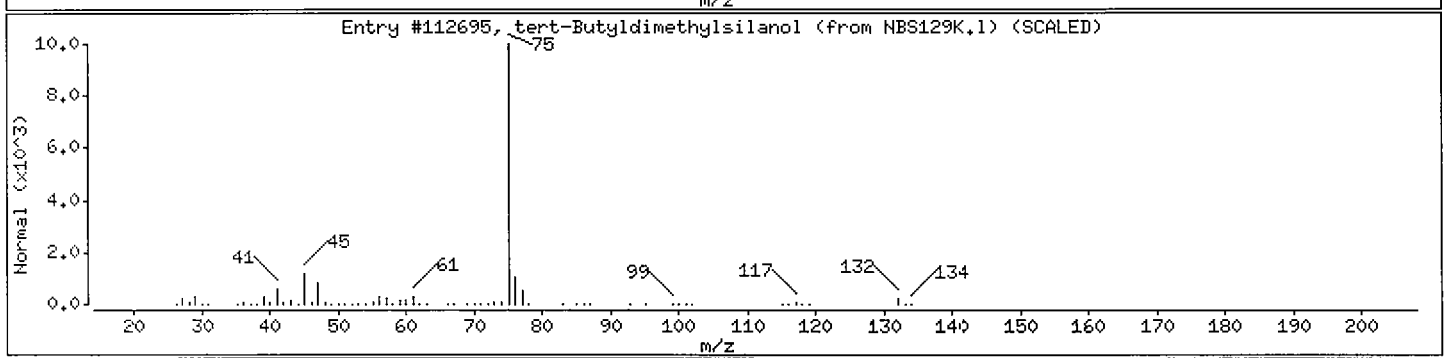
Purge Volume: 5.0 Operator: 2481

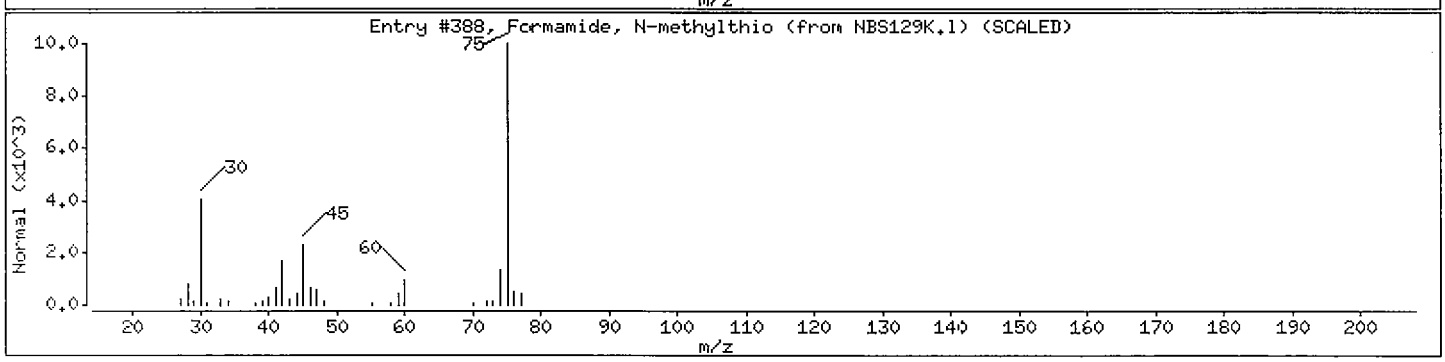
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	64	C6H16OSi	132
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75









Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

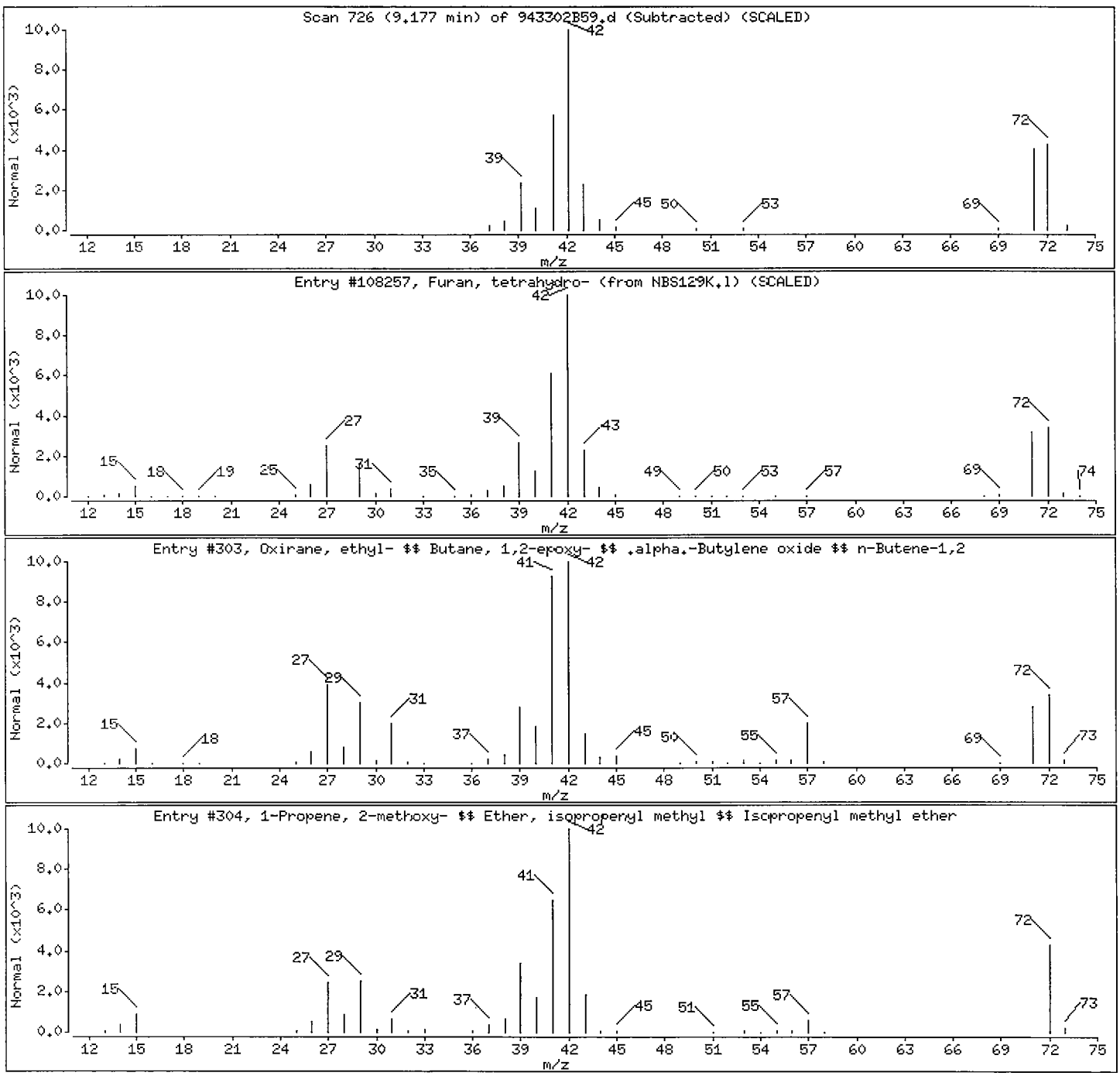
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

Sample Info: 943302:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	72	C4H8O	72
1-Propene, 2-methoxy- $$ Ether, isoprope	116-11-0	NBS129K.l	304	53	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/943302B59.d

Date : 26-MAR-2006 02:18

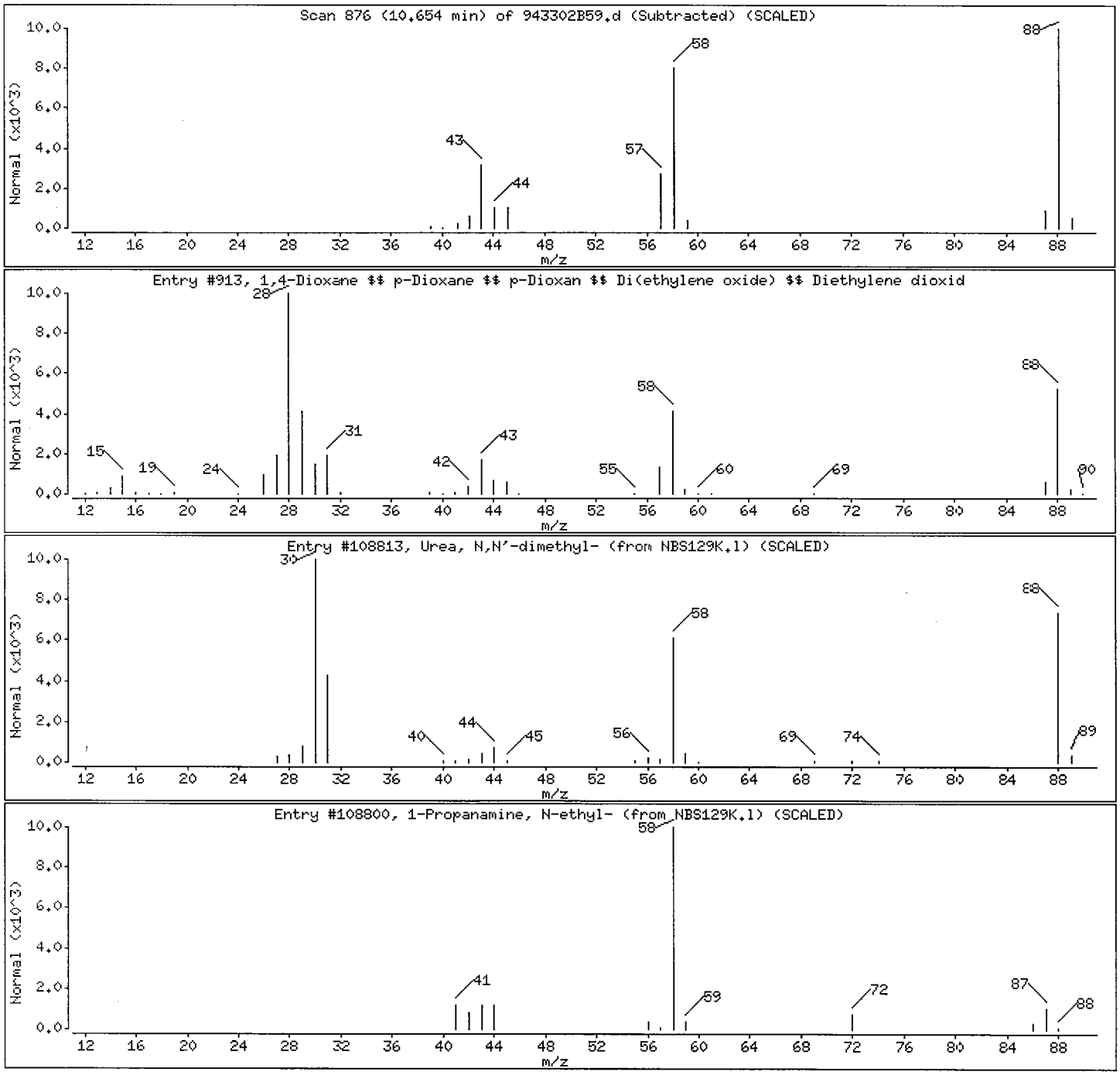
Client ID: ACSGWMW53-27 Instrument: 5972hp59.i

Sample Info: 943302:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane $$ p-Dioxane $$ p-Dioxan $$	123-91-1	NBS129K.l	913	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	38	C5H13N	87



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	4.8	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

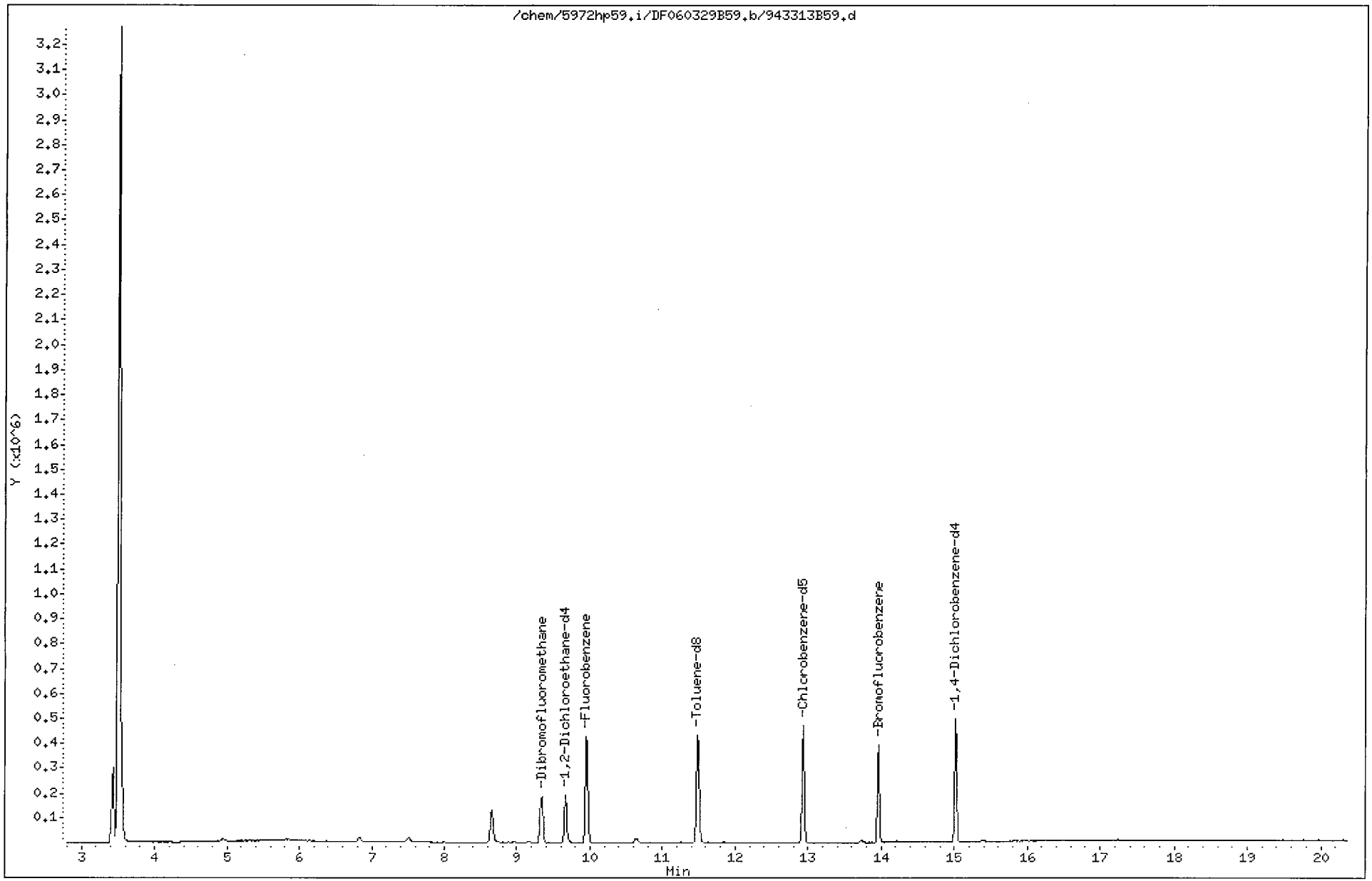
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.65	18	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d
Date : 30-MAR-2006 04:03
Client ID: ACSGWMW54R-27
Instrument: 5972hp59.i
Sample Info: 943313;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943313B59.d
Lab Smp Id: 943313 Client Smp ID: ACSGWMW54R-27
Inj Date : 30-MAR-2006 04:03
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943313:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.948	9.955	(1.000)	488647	250.000	
* 2 Chlorobenzene-d5	117	12.931	12.938	(1.000)	312334	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.018	15.026	(1.000)	147923	250.000	
$ 4 Dibromofluoromethane	113	9.337	9.335	(0.939)	138259	219.118	44
$ 5 1,2-Dichloroethane-d4	65	9.672	9.670	(0.972)	167282	253.036	51
$ 6 Toluene-d8	98	11.484	11.491	(0.888)	437715	233.774	47
$ 7 Bromofluorobenzene	95	13.964	13.962	(0.930)	180512	231.118	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.837	6.844	(0.687)	6363	24.0032	4.8(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d
Report Date: 30-Mar-2006 03:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d

Date : 30-MAR-2006 04:03

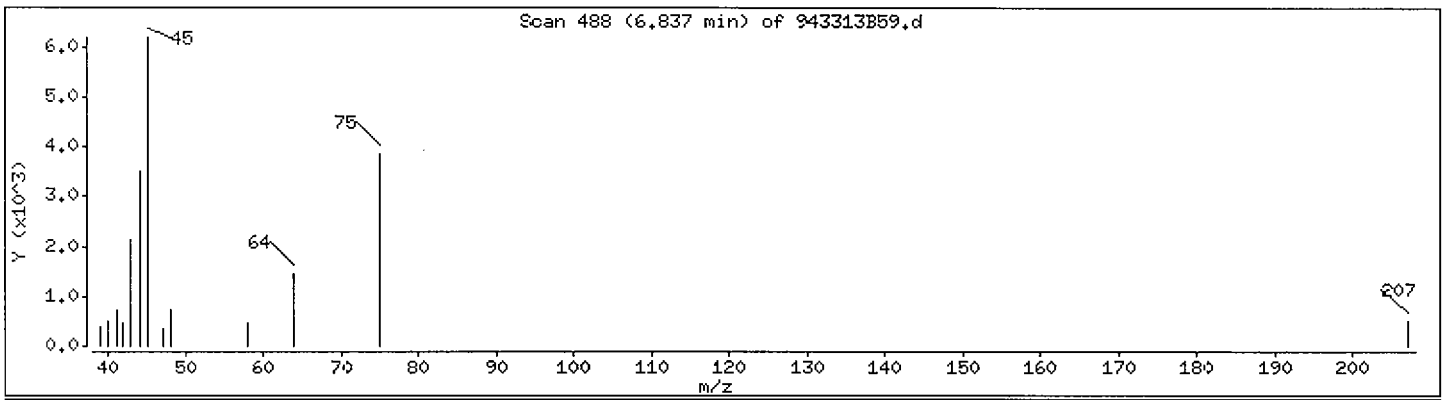
Client ID: ACSGWMW54R-27 Instrument: 5972hp59.i

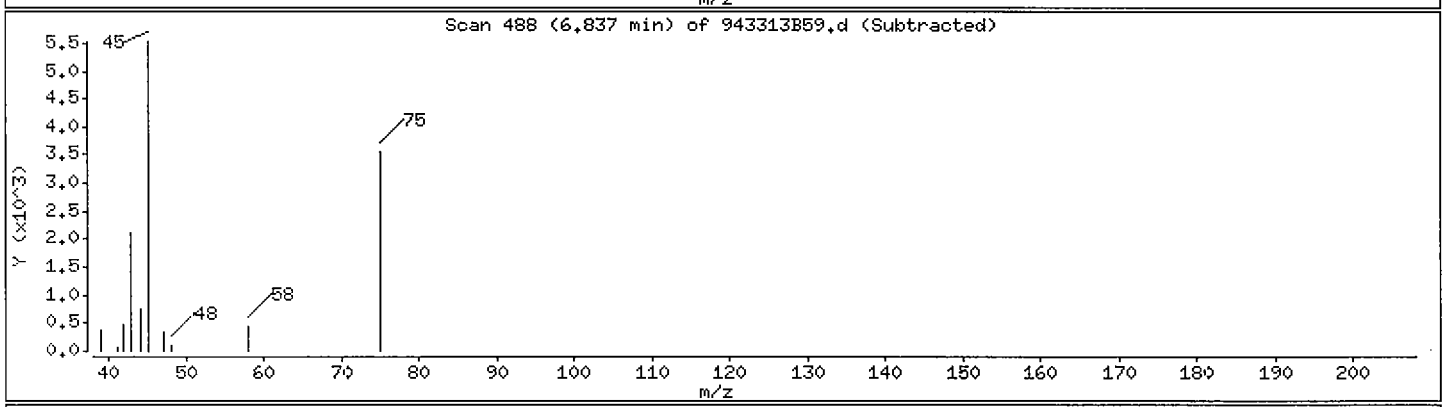
Sample Info: 943313:2481

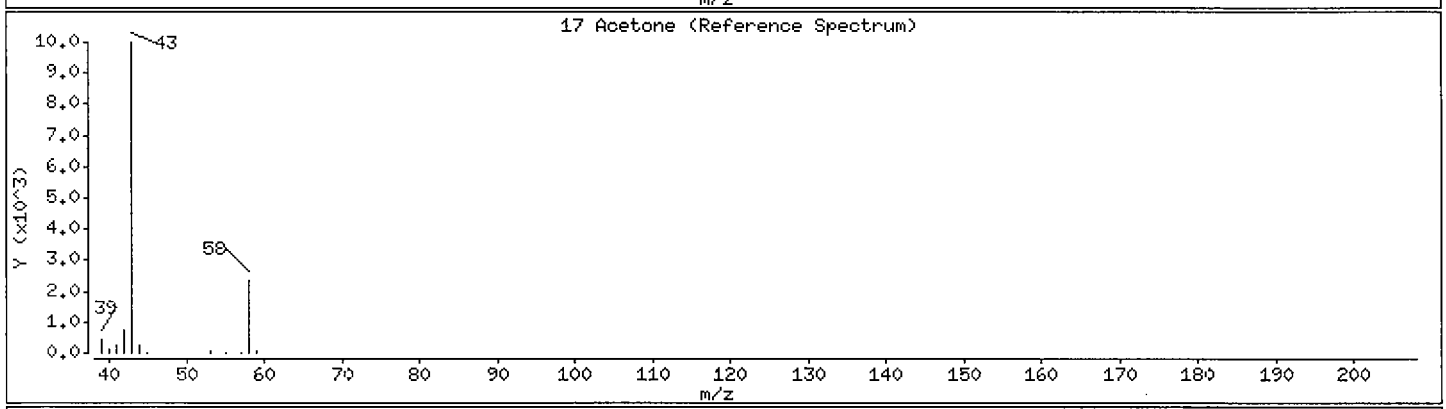
Purge Volume: 5.0 Operator: 2481

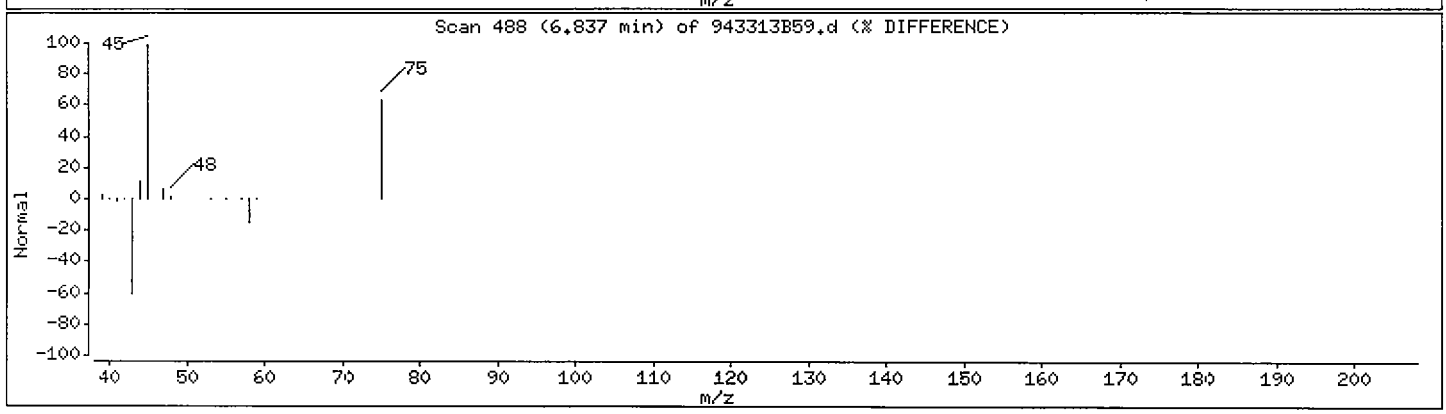
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 4.8 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d
Report Date: 30-Mar-2006 03:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943313B59.d
Lab Smp Id: 943313 Client Smp ID: ACSGWMW54R-27
Inj Date : 30-MAR-2006 04:03
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943313:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.948	1086775	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl- $$ Hydroxytrimethyls			CAS #: 1066-40-6				
8.648	393911	90.6146250	18	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060329B59.b/943313B59.d

Date : 30-MAR-2006 04:03

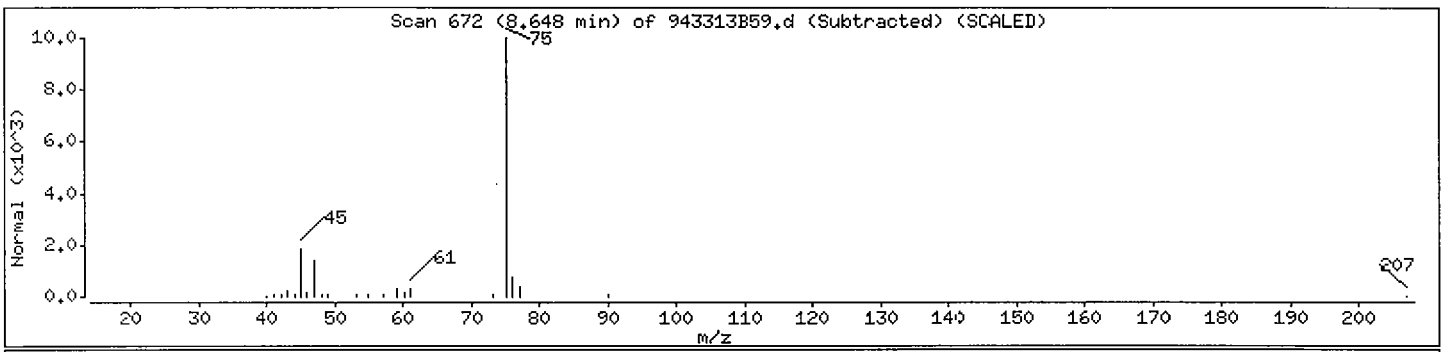
Client ID: ACSGWMW54R-27 Instrument: 5972hp59.i

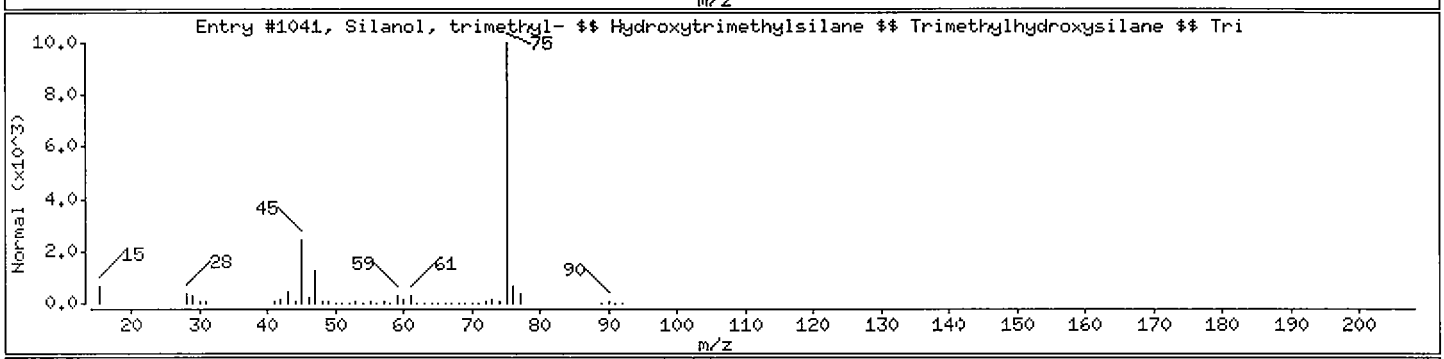
Sample Info: 943313:2481

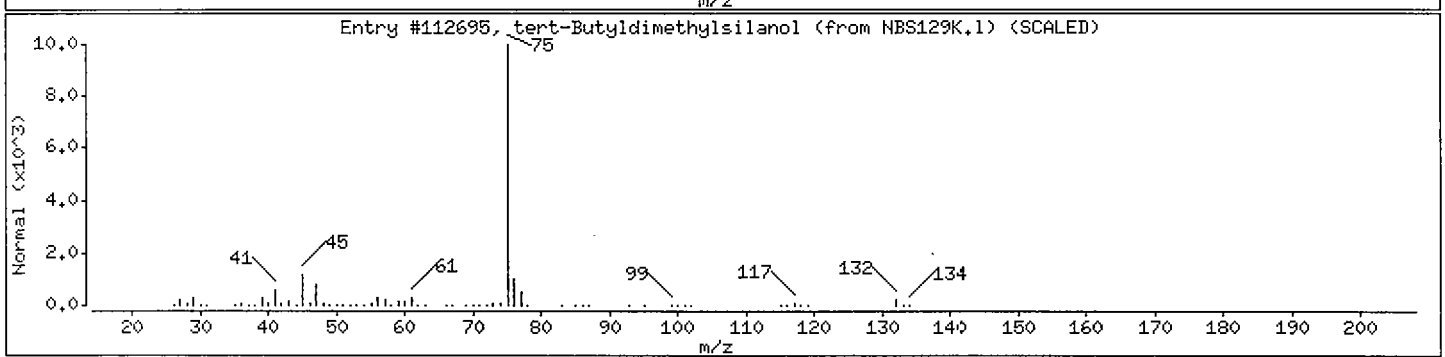
Purge Volume: 5.0 Operator: 2481

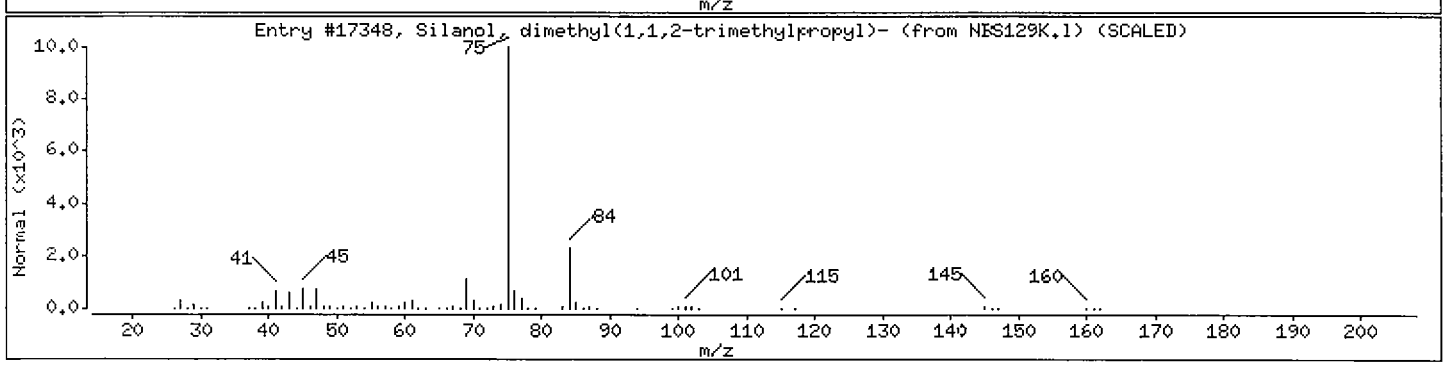
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	74	C6H16OSi	132
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	64	C8H20OSi	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

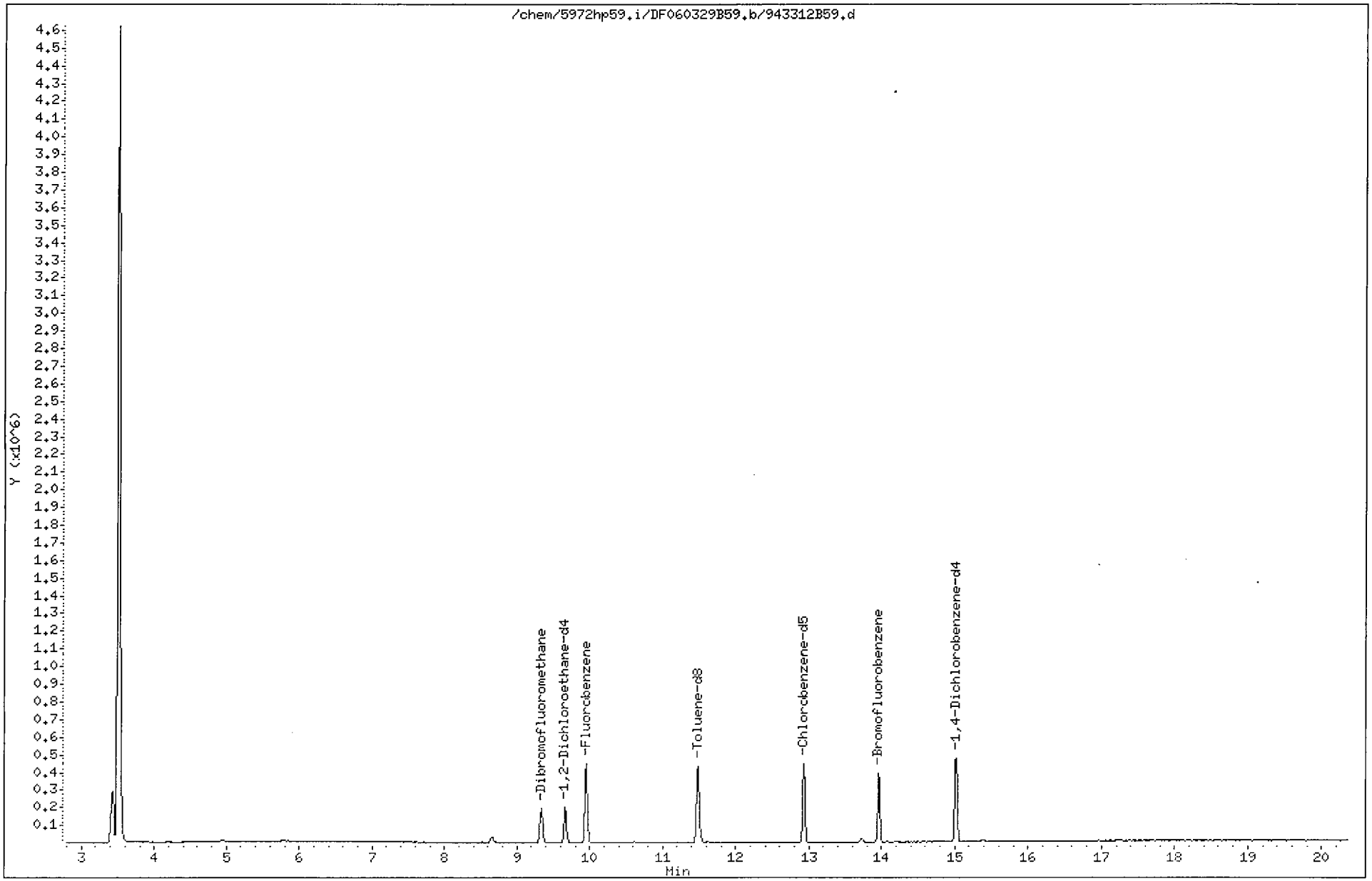
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/943312B59.d
Date : 30-MAR-2006 03:34
Client ID: ACSGWMW55-27
Instrument: 5972hp59.i
Sample Info: 943312:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/943312B59.d
Report Date: 30-Mar-2006 03:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943312B59.d
Lab Smp Id: 943312 Client Smp ID: ACSGWMW55-27
Inj Date : 30-MAR-2006 03:34
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943312:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.953	9.955	(1.000)	507054	250.000	
* 2 Chlorobenzene-d5	117	12.936	12.938	(1.000)	324114	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.023	15.026	(1.000)	152966	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.335	(0.938)	143425	219.054	44
$ 5 1,2-Dichloroethane-d4	65	9.667	9.670	(0.971)	171881	250.555	50
$ 6 Toluene-d8	98	11.488	11.491	(0.888)	450235	231.721	46
$ 7 Bromofluorobenzene	95	13.960	13.962	(0.929)	187284	231.883	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943312B59.d
Report Date: 30-Mar-2006 03:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/943312B59.d
Report Date: 30-Mar-2006 03:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/943312B59.d
Lab Smp Id: 943312 Client Smp ID: ACSGWMW55-27
Inj Date : 30-MAR-2006 03:34
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943312:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

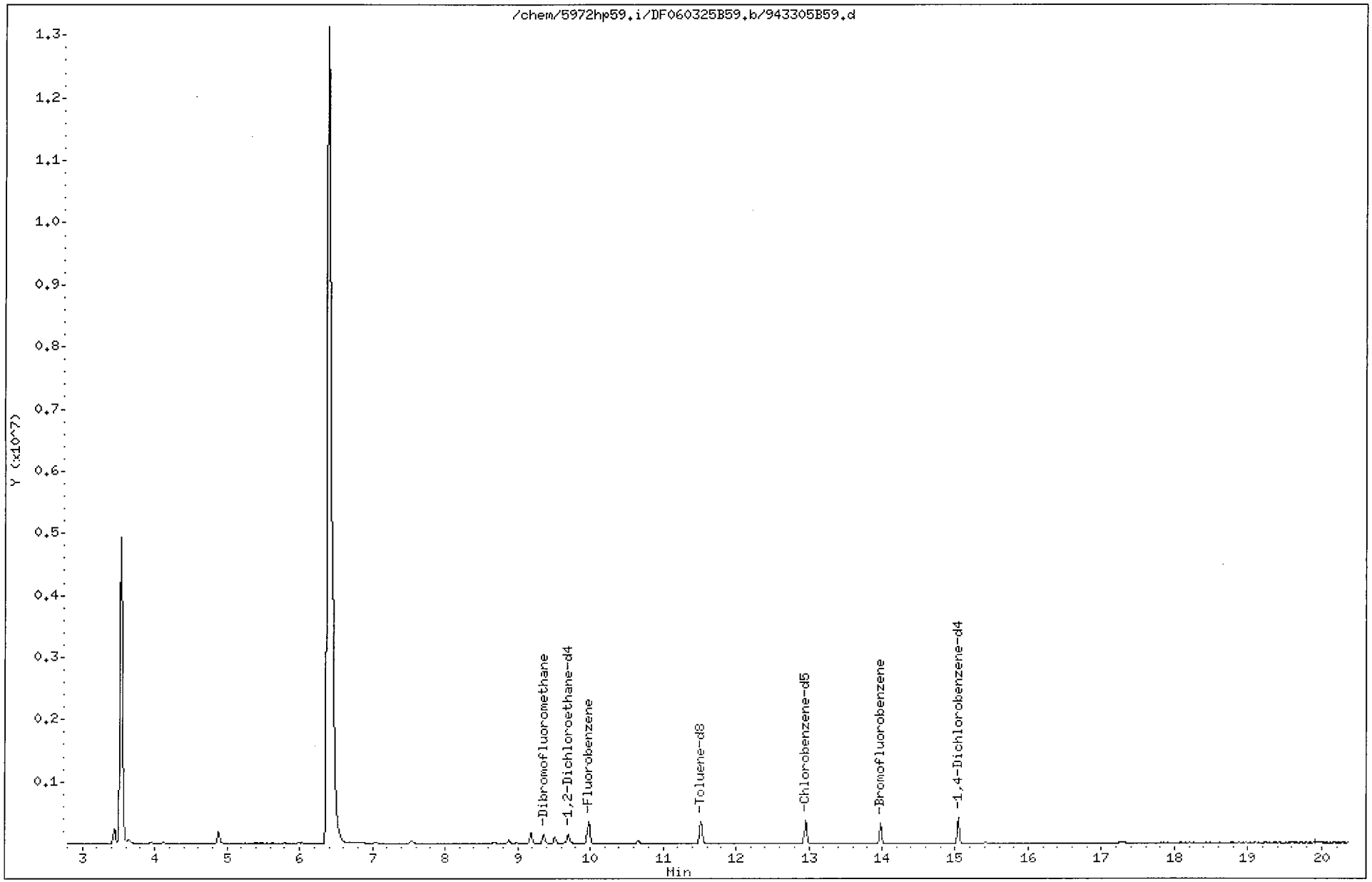
Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	359-11-5	ETHENE, TRIFLUORO-	3.64	16	NJ
2.		UNKNOWN	4.88	62	J
3.	0-00-0	ETHENE, ETHYLOXY-	6.39	3000	NJ
4.		UNKNOWN	7.54	8.3	J
5.	141-78-6	ETHYL ACETATE	8.88	8.0	NJ
6.	109-99-9	FURAN, TETRAHYDRO-	9.18	26	NJ
7.		UNKNOWN	9.51	14	J
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d
Date : 26-MAR-2006 03:43
Client ID: ACSGWMW57-27
Instrument: 5972hp59.i
Sample Info: 943305:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d
Report Date: 28-Mar-2006 05:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943305B59.d
Lab Smp Id: 943305 Client Smp ID: ACSGWMW57-27
Inj Date : 26-MAR-2006 03:43
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943305:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.981	9.976	(1.000)	409508	250.000	
* 2 Chlorobenzene-d5	117	12.954	12.959	(1.000)	257223	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.041	15.046	(1.000)	121185	250.000	
$ 4 Dibromofluoromethane	113	9.361	9.356	(0.938)	114361	216.270	43
$ 5 1,2-Dichloroethane-d4	65	9.695	9.690	(0.971)	140708	253.972	51
$ 6 Toluene-d8	98	11.517	11.512	(0.889)	358716	232.630	47
$ 7 Bromofluorobenzene	95	13.988	13.983	(0.930)	149885	234.246	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d
Report Date: 28-Mar-2006 05:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d
Report Date: 28-Mar-2006 05:30

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/943305B59.d
Lab Smp Id: 943305 Client Smp ID: ACSGWMW57-27
Inj Date : 26-MAR-2006 03:43
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943305:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.981	913990	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethene, trifluoro- $$ Ethylene, trifluor				CAS #: 359-11-5			
3.641	293840	80.3729448	16	90	NBS129K.l	515	1
Unknown				CAS #:			
4.881	1126703	308.182425	62	0		0	1
Ethene, ethyloxy-				CAS #: 0-00-0			
6.387	55397014	15152.5183	3000	90	NBS129K.l	370	1

Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d
Report Date: 28-Mar-2006 05:30

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.539	152001	41.5762446	8.3	0		0	1
Ethyl Acetate				CAS #: 141-78-6			
8.878	146562	40.0885799	8.0	90	NBS129K.l	108853	1
Furan, tetrahydro-				CAS #: 109-99-9			
9.183	466247	127.530757	26	91	NBS129K.l	108257	1
Unknown				CAS #:			
9.508	264232	72.2741877	14	0		0	1

Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

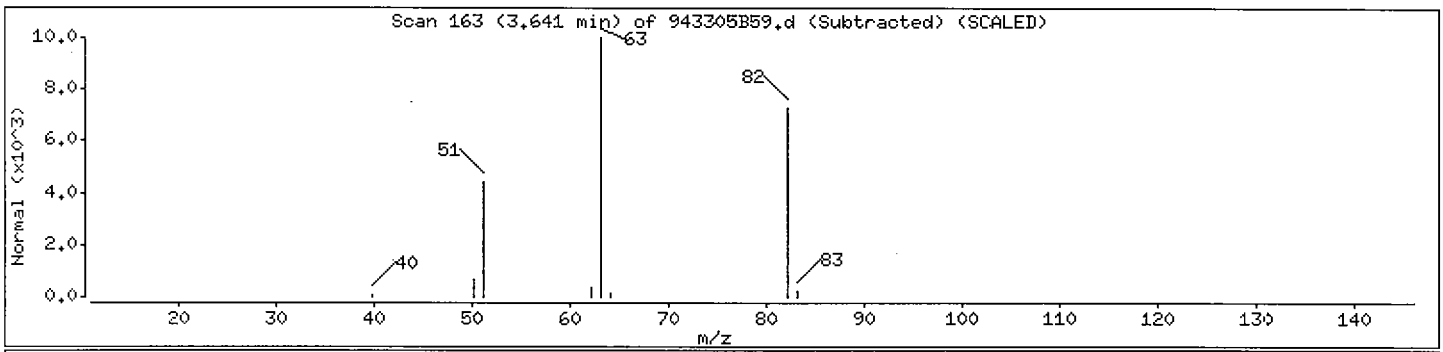
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

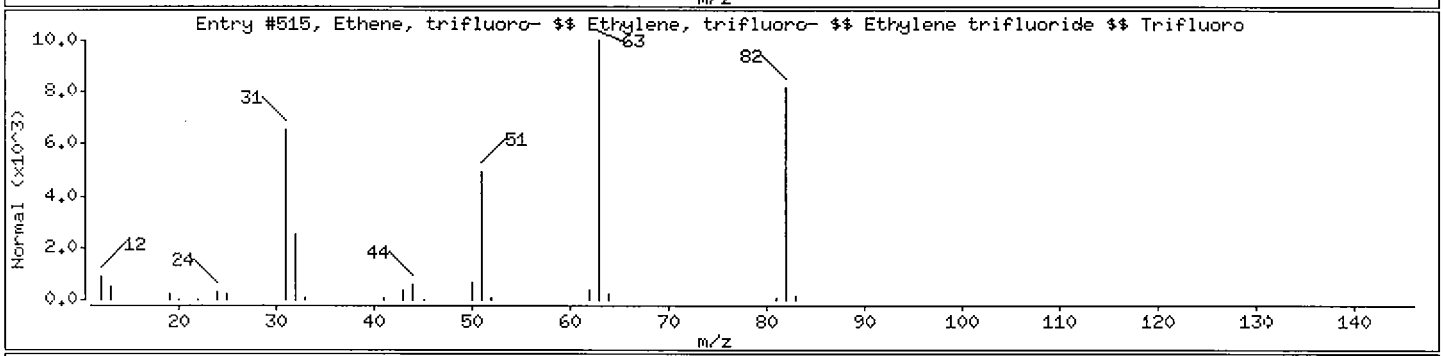
Sample Info: 943305:2481

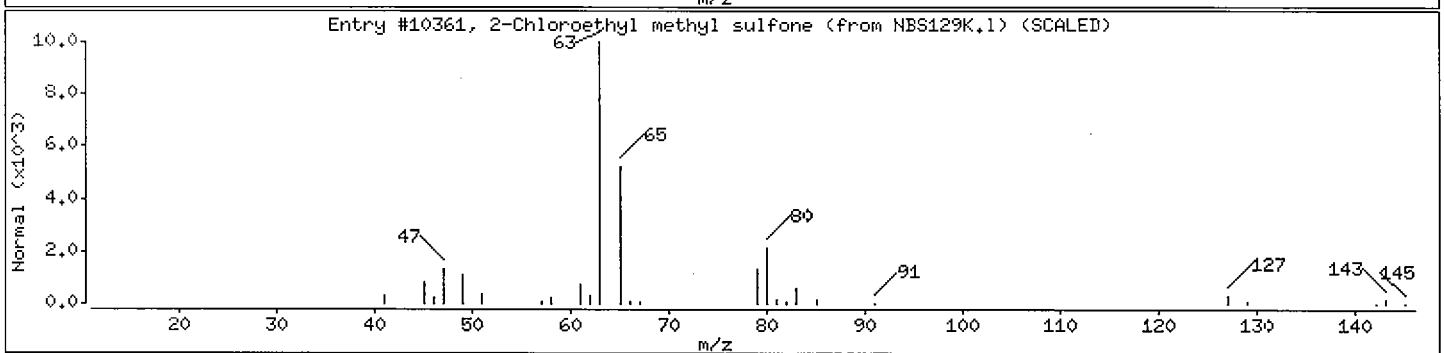
Purge Volume: 5.0 Operator: 2481

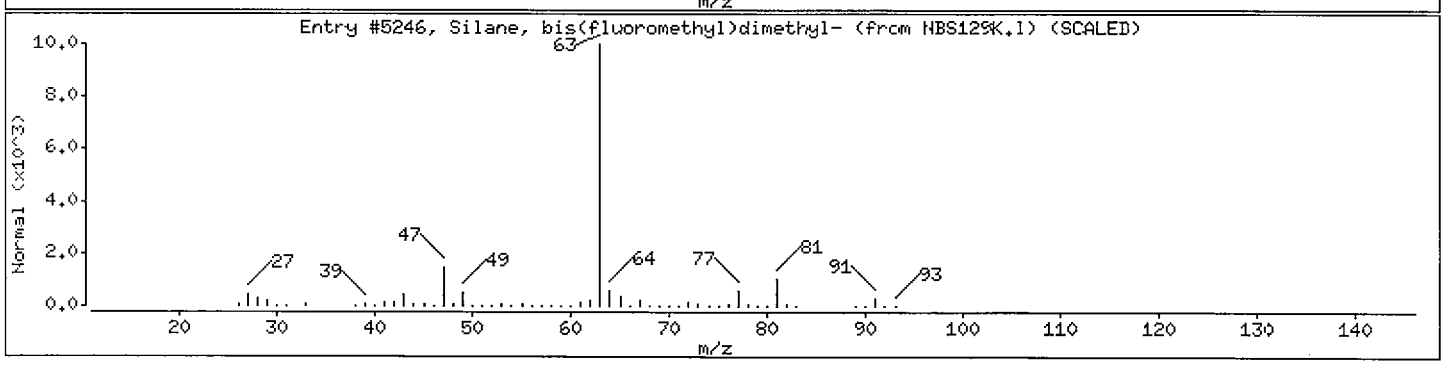
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethene, trifluoro- $$ Ethylene, trifluor	359-11-5	NBS129K.l	515	90	C2HF3	82
2-Chloroethyl methyl sulfone	0-00-0	NBS129K.l	10361	1	C3H7ClO2S	142
Silane, bis(fluoromethyl)dimethyl-	65864-63-3	NBS129K.l	5246	1	C4H10F2Si	124









Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

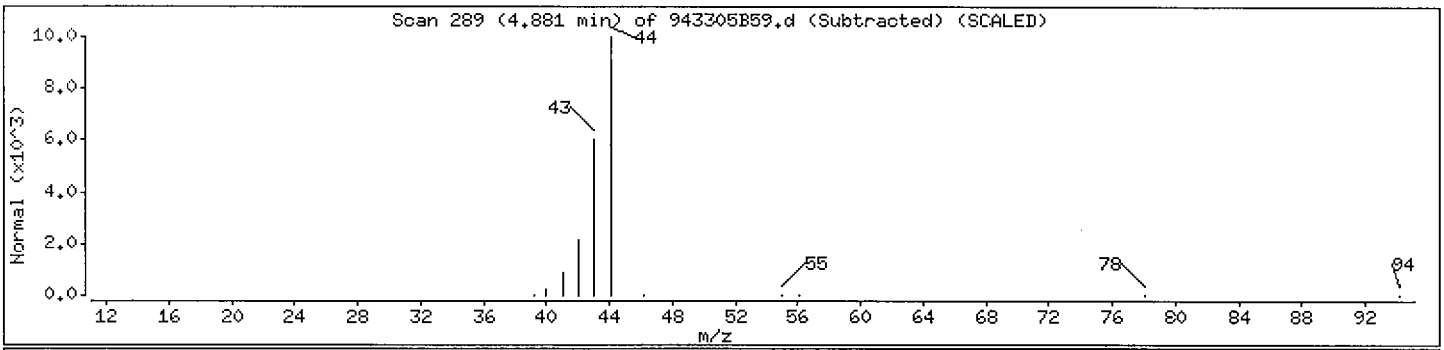
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

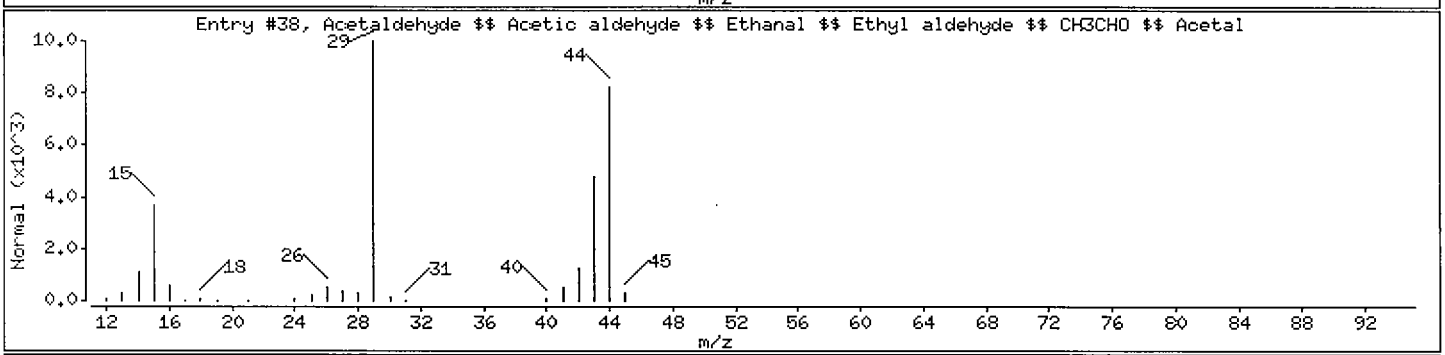
Sample Info: 943305:2481

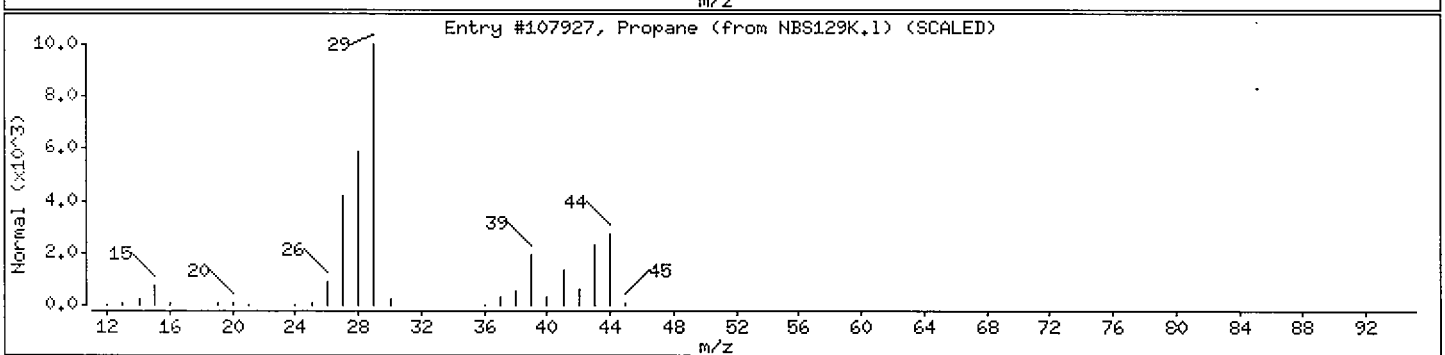
Purge Volume: 5.0 Operator: 2481

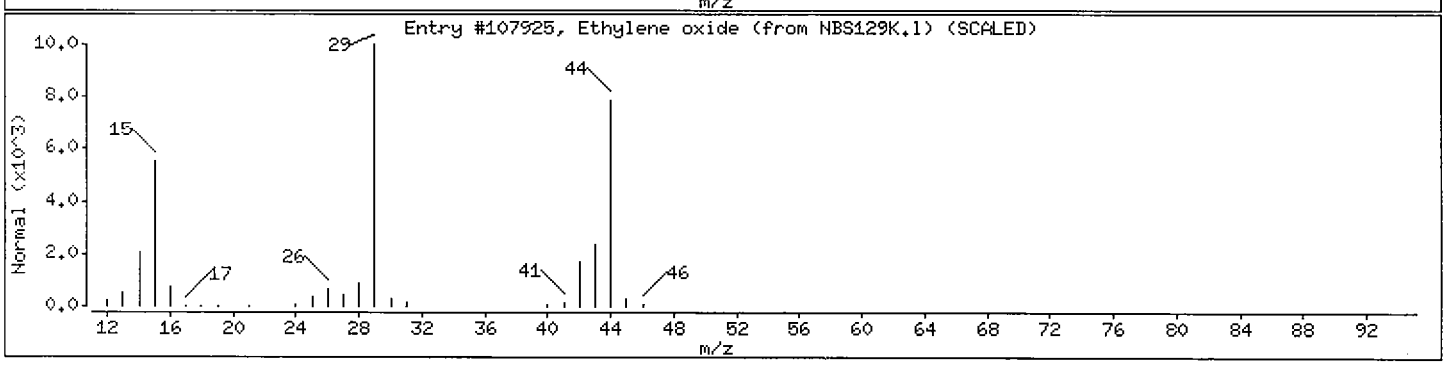
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaldehyde $$ Acetic aldehyde $$ Ethan	75-07-0	NBS129K.l	38	64	C2H4O	44
Propane	74-98-6	NBS129K.l	107927	5	C3H8	44
Ethylene oxide	75-21-8	NBS129K.l	107925	4	C2H4O	44









Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

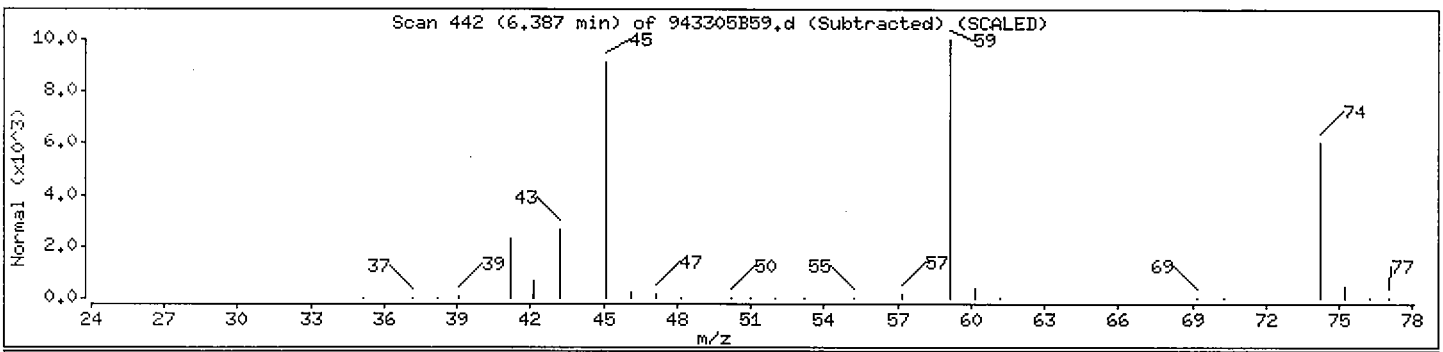
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

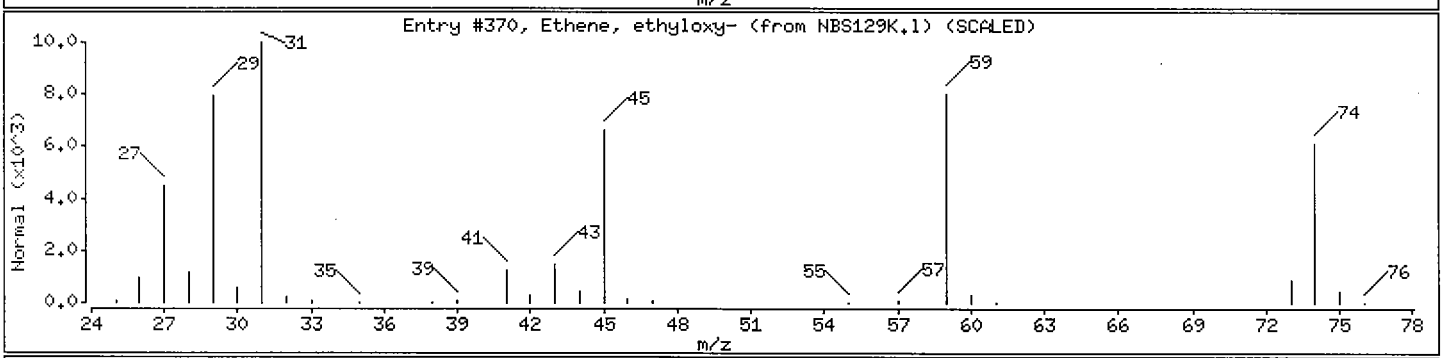
Sample Info: 943305:2481

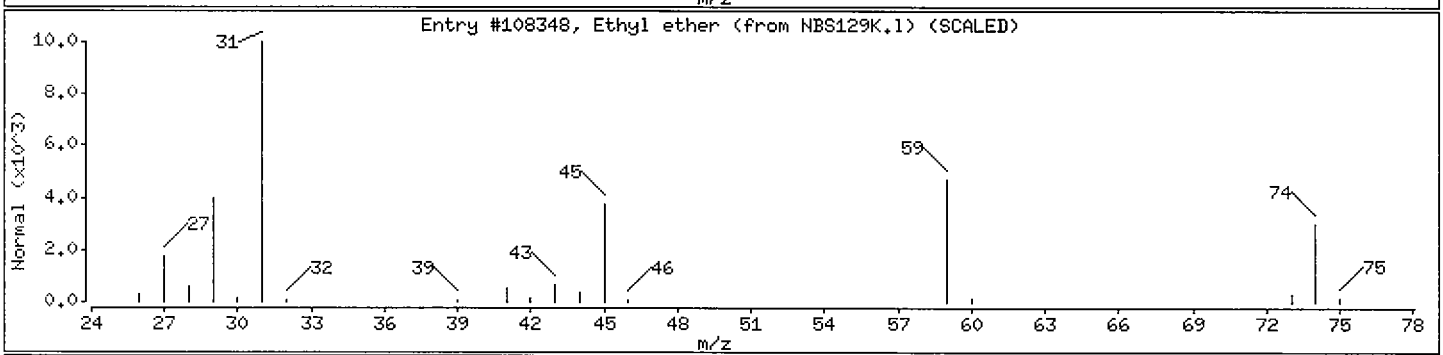
Purge Volume: 5.0 Operator: 2481

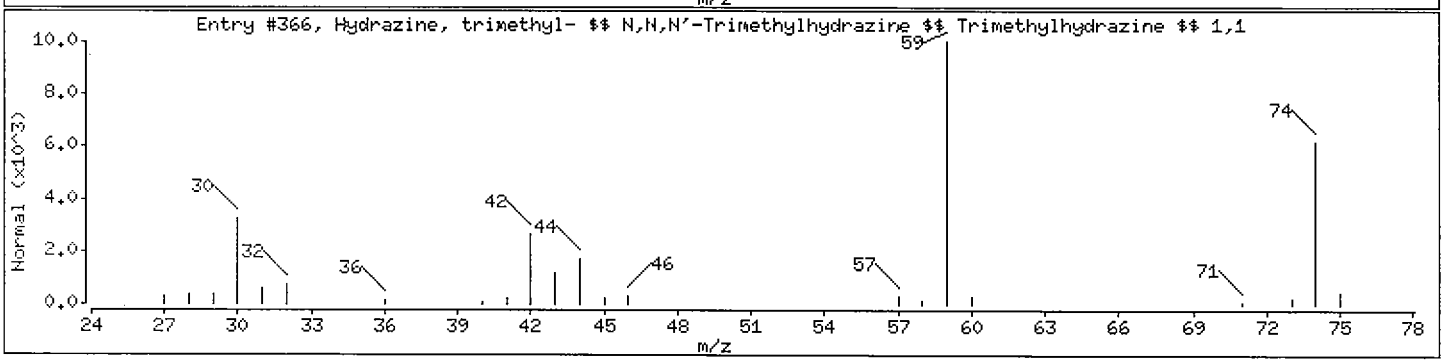
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	90	C4H10O	74
Ethyl ether	60-29-7	NBS129K.l	108348	83	C4H10O	74
Hydrazine, trimethyl- $$ N,N,N'-Trimethy	1741-01-1	NBS129K.l	366	47	C3H10N2	74









Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

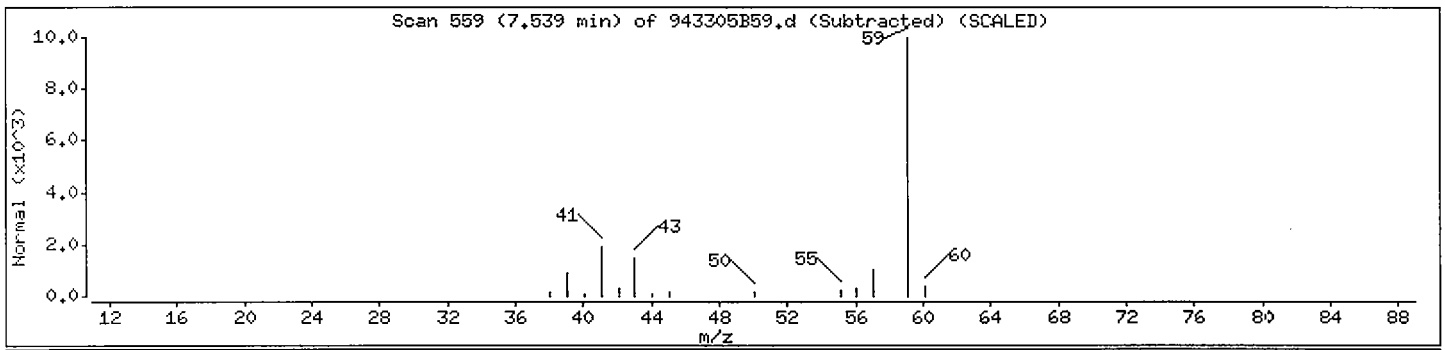
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

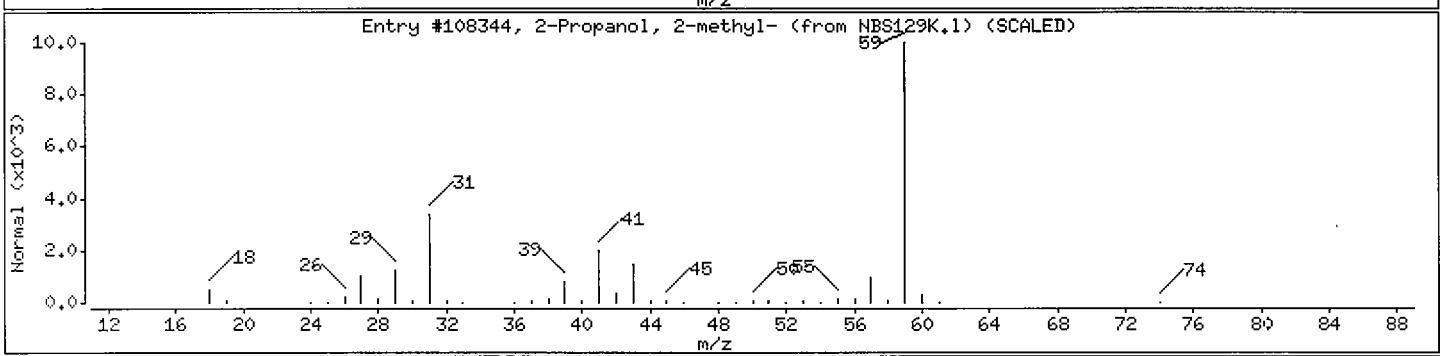
Sample Info: 943305:2481

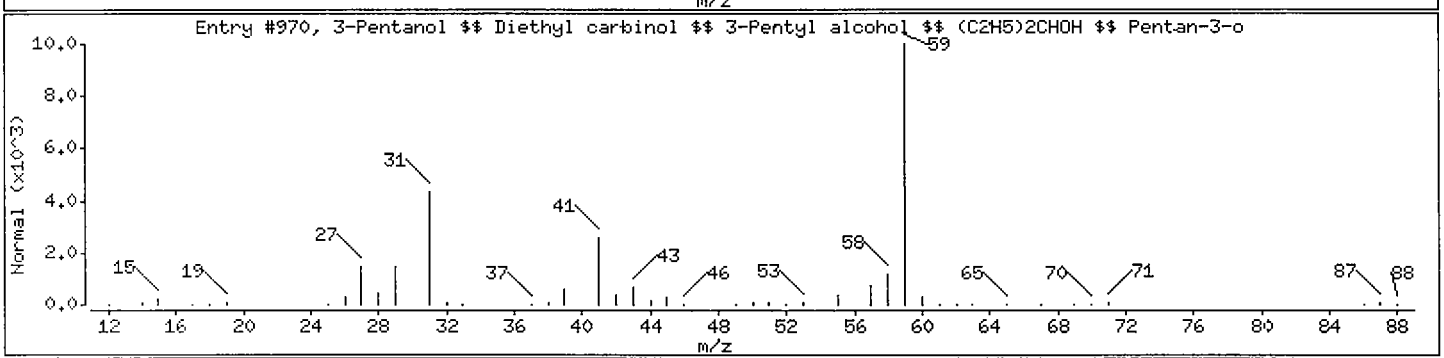
Purge Volume: 5.0 Operator: 2481

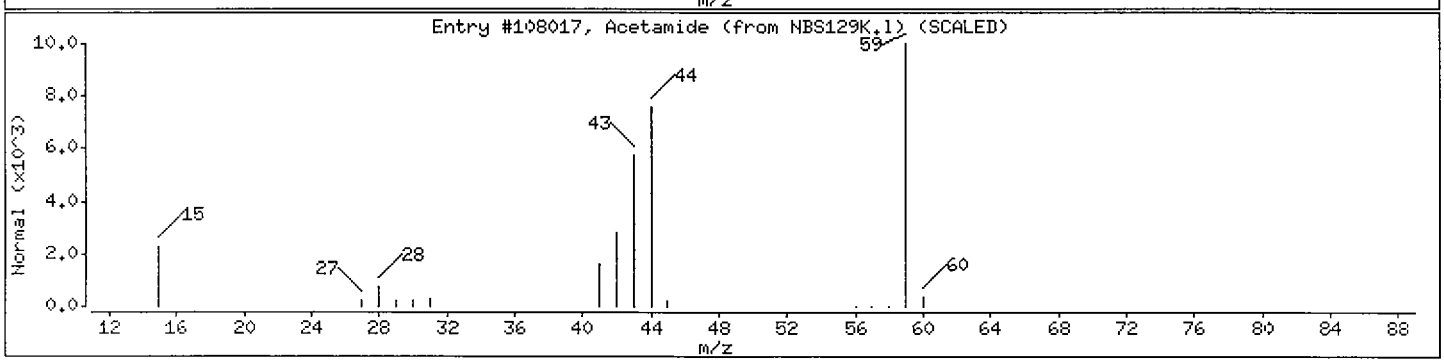
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 2-methyl-	75-65-0	NBS129K.l	108344	83	C4H10O	74
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	43	C5H12O	88
Acetamide	60-35-5	NBS129K.l	108017	5	C2H5NO	59









Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

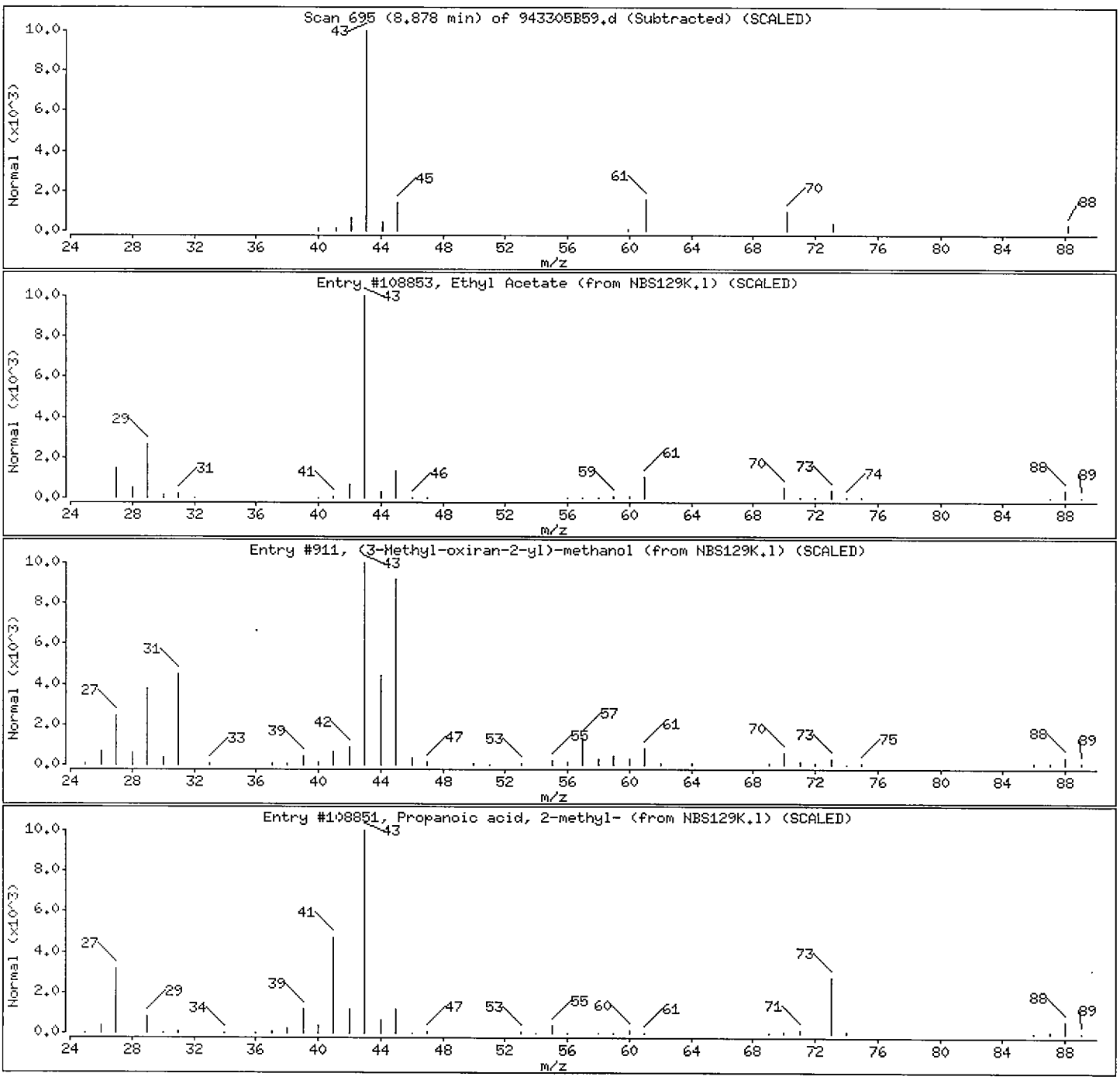
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

Sample Info: 943305:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl Acetate	141-78-6	NBS129K.l	108853	90	C4H8O2	88
(3-Methyl-oxiran-2-yl)-methanol	0-00-0	NBS129K.l	911	7	C4H8O2	88
Propanoic acid, 2-methyl-	79-31-2	NBS129K.l	108851	7	C4H8O2	88



Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

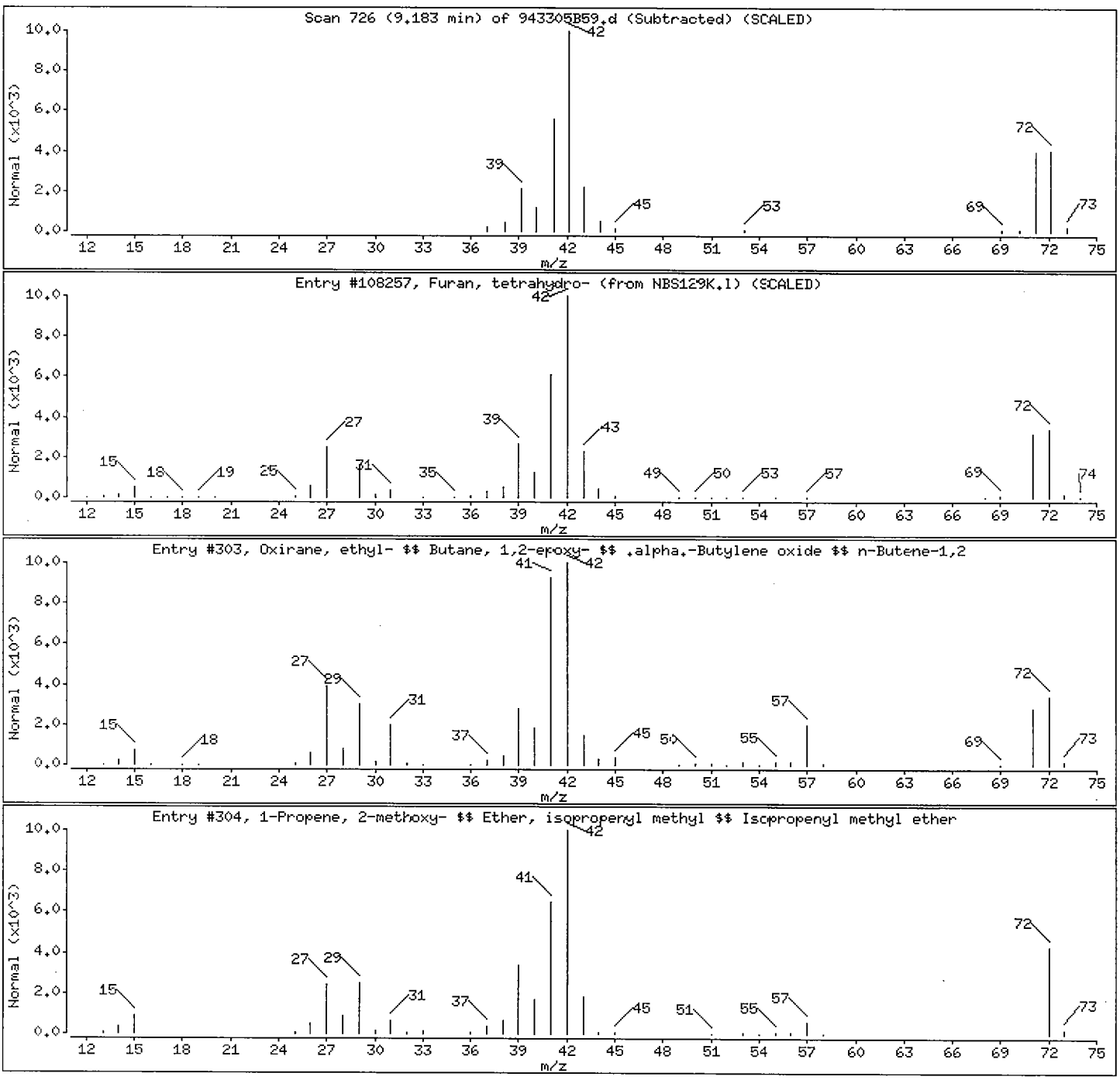
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

Sample Info: 943305:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108257	91	C4H8O	72
Oxirane, ethyl- $$ Butane, 1,2-epoxy- $$	106-88-7	NBS129K.l	303	72	C4H8O	72
1-Propene, 2-methoxy- $$ Ether, isoprope	116-11-0	NBS129K.l	304	53	C4H8O	72



Data File: /chem/5972hp59.i/DF060325B59.b/943305B59.d

Date : 26-MAR-2006 03:43

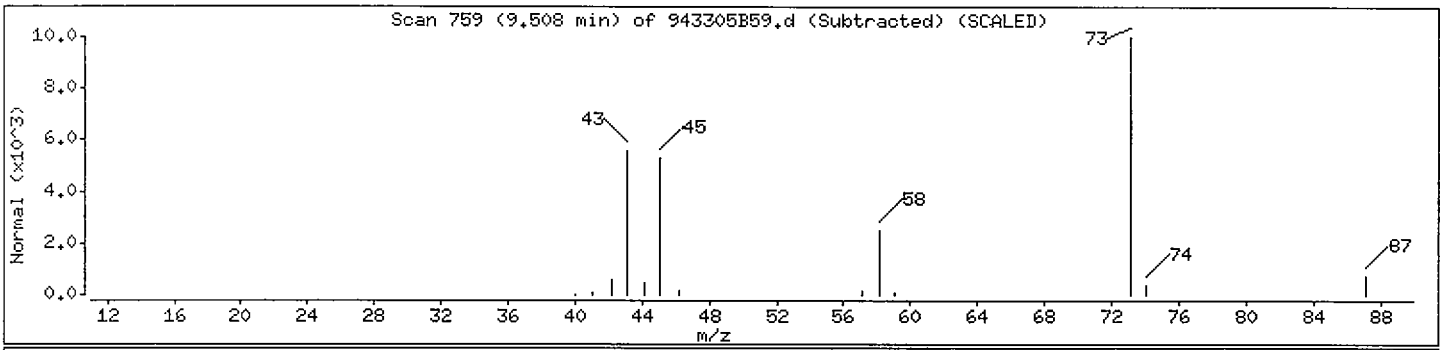
Client ID: ACSGWMW57-27 Instrument: 5972hp59.i

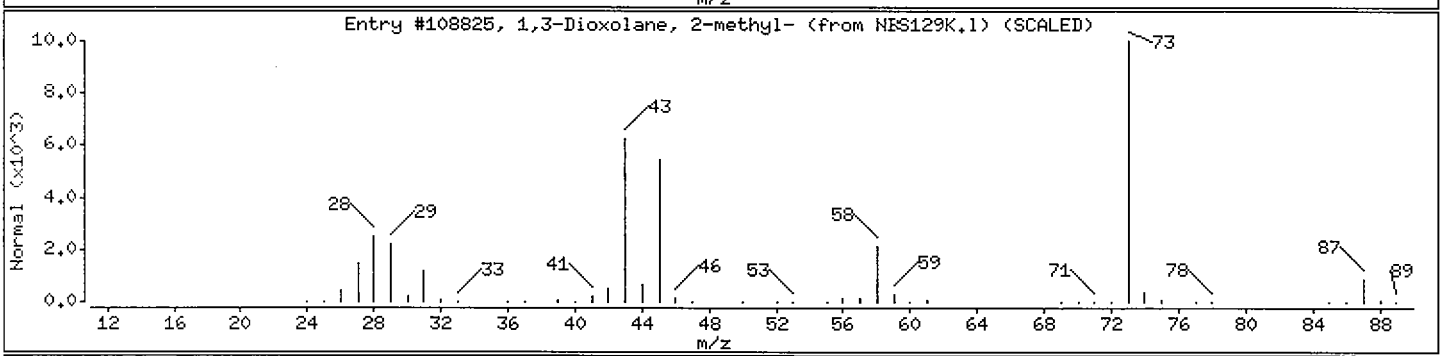
Sample Info: 943305:2481

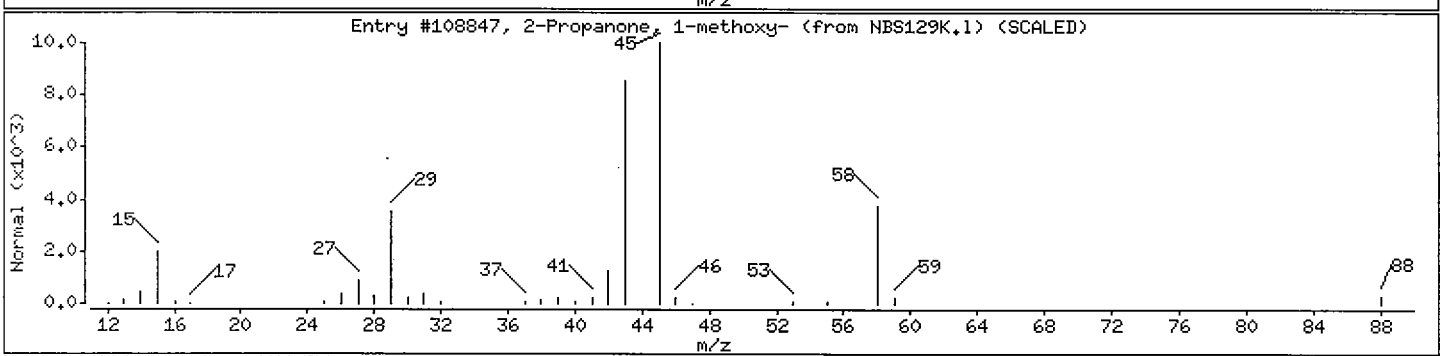
Purge Volume: 5.0 Operator: 2481

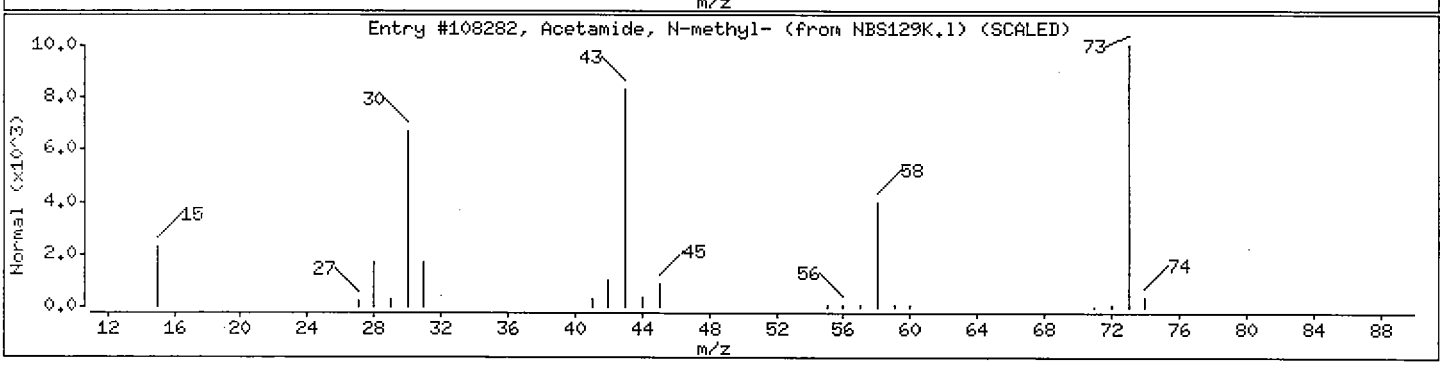
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,3-Dioxolane, 2-methyl-	497-26-7	NBS129K.l	108825	78	C4H8O2	88
2-Propanone, 1-methoxy-	5878-19-3	NBS129K.l	108847	33	C4H8O2	88
Acetamide, N-methyl-	79-16-3	NBS129K.l	108282	16	C3H7NO	73









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	60	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	12	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

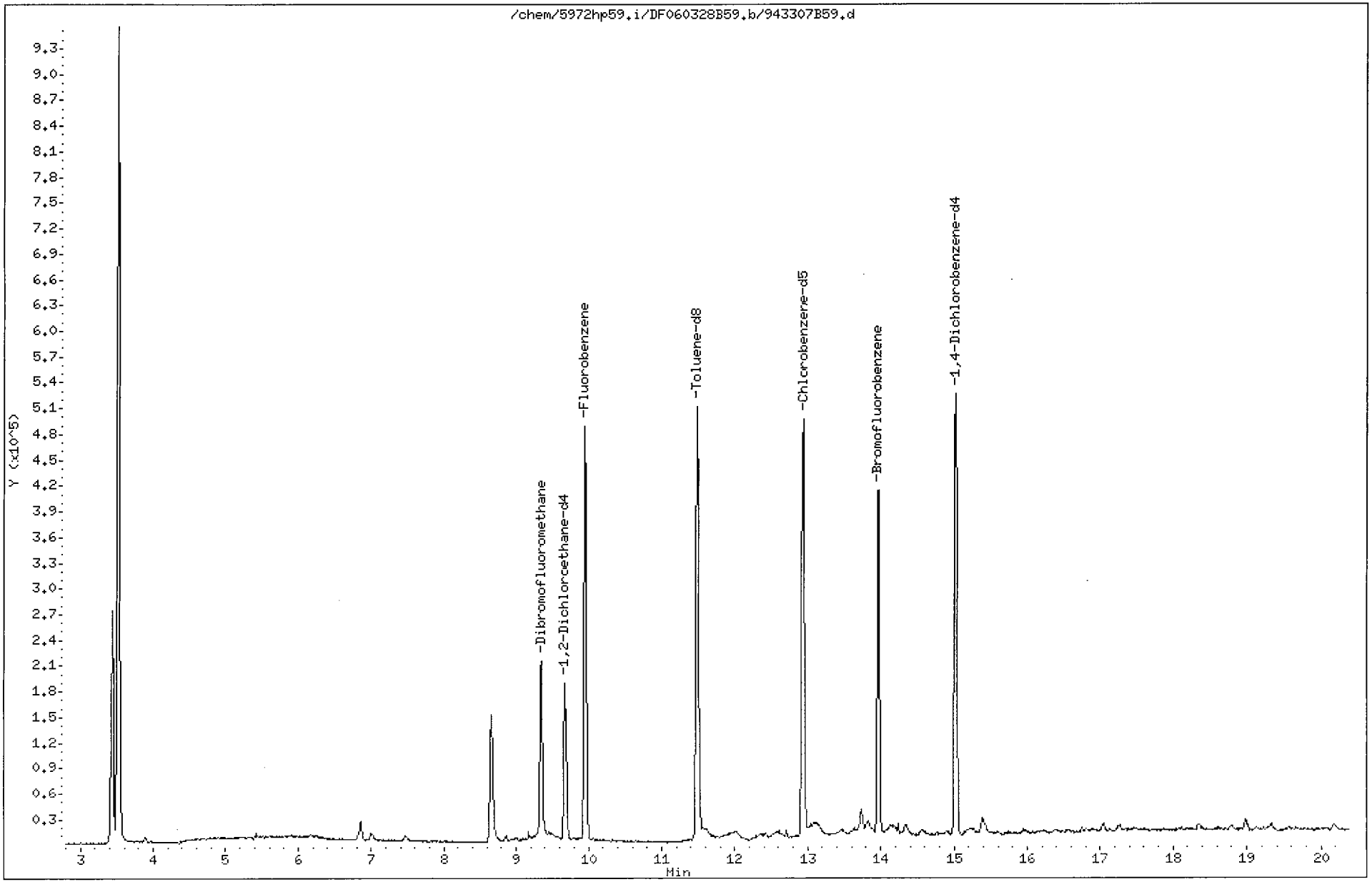
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	20	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d
Date : 29-MAR-2006 07:17
Client ID: ACSGWTB04-27
Instrument: 5972hp59.i
Sample Info: 943307:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943307B59.d
Lab Smp Id: 943307 Client Smp ID: ACSGWTB04-27
Inj Date : 29-MAR-2006 07:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943307:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.957	9.967	(1.000)	536360	250.000	
* 2 Chlorobenzene-d5	117	12.940	12.950	(1.000)	365111	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.027	15.037	(1.000)	170608	250.000	
$ 4 Dibromofluoromethane	113	9.346	9.347	(0.939)	153181	221.171	44
$ 5 1,2-Dichloroethane-d4	65	9.681	9.681	(0.972)	162002	223.251	45
$ 6 Toluene-d8	98	11.492	11.503	(0.888)	486601	222.317	44
$ 7 Bromofluorobenzene	95	13.963	13.974	(0.929)	199987	222.006	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.855	6.856	(0.689)	39583	301.841	60
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d
Report Date: 29-Mar-2006 05:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	8.864	8.864	(0.890)	11834	59.6773	12(a)
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d

Date : 29-MAR-2006 07:17

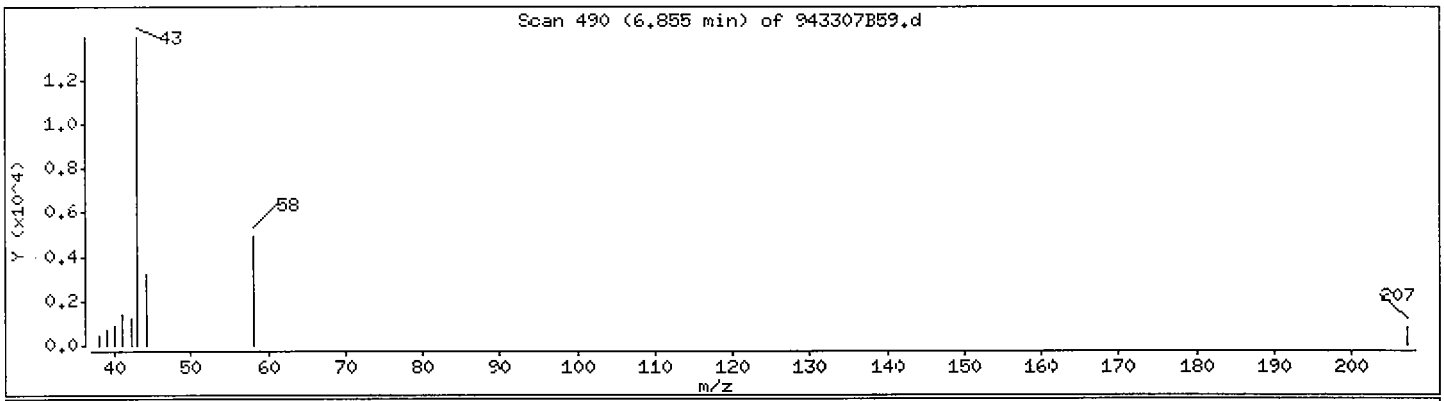
Client ID: ACSGWTB04-27 Instrument: 5972hp59.i

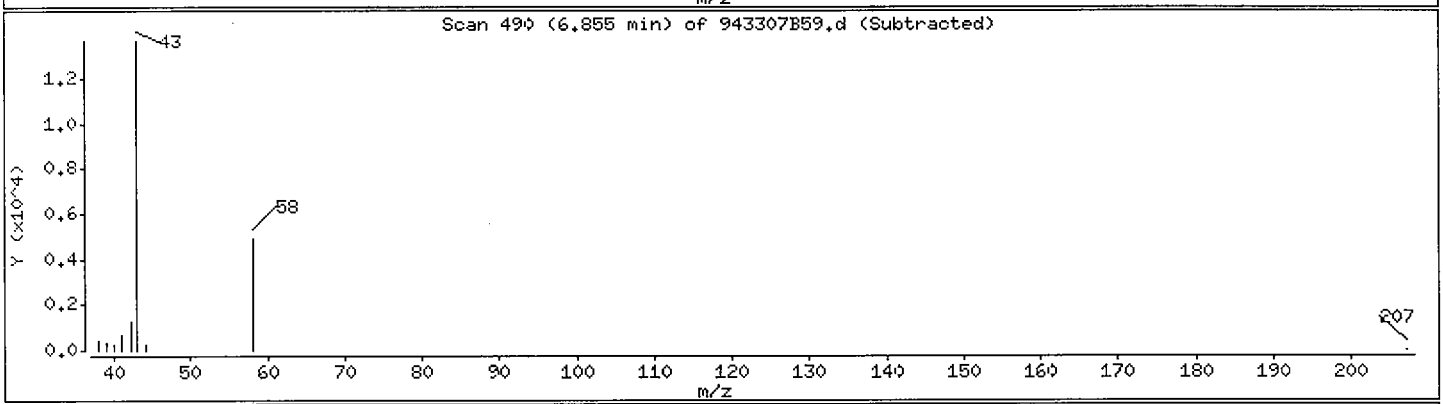
Sample Info: 943307:2481

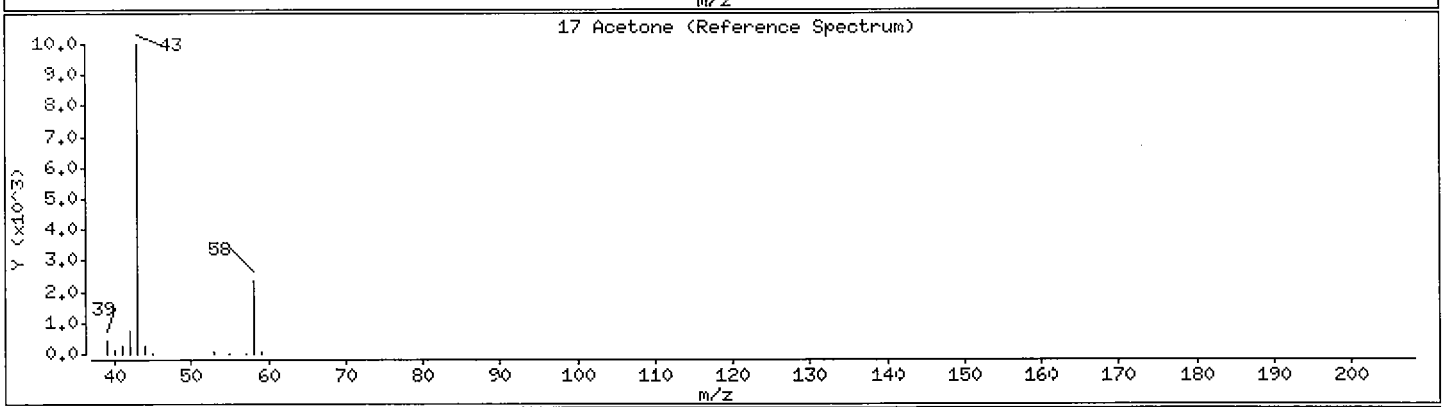
Purge Volume: 5.0 Operator: 2481

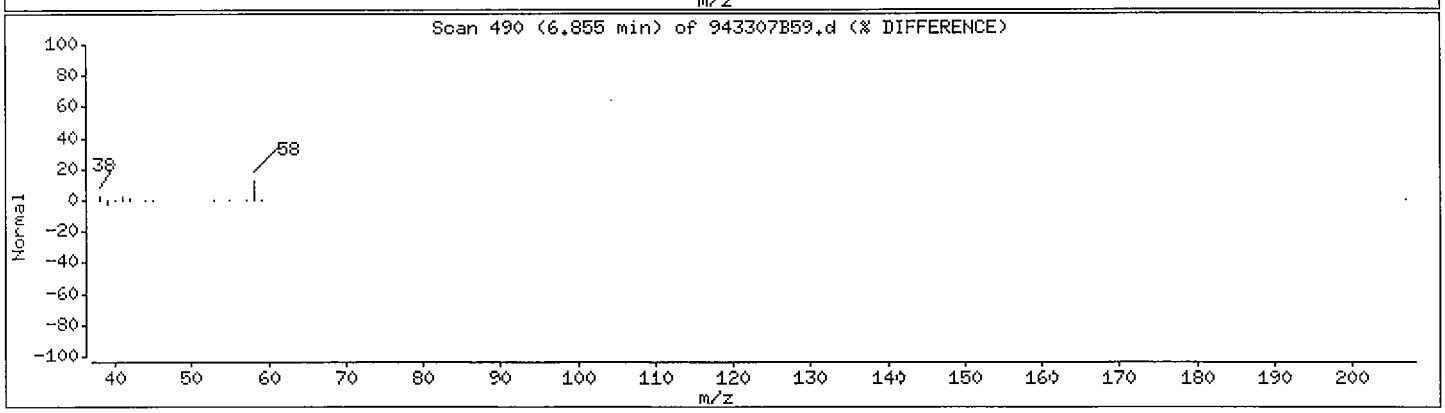
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 60 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d

Date : 29-MAR-2006 07:17

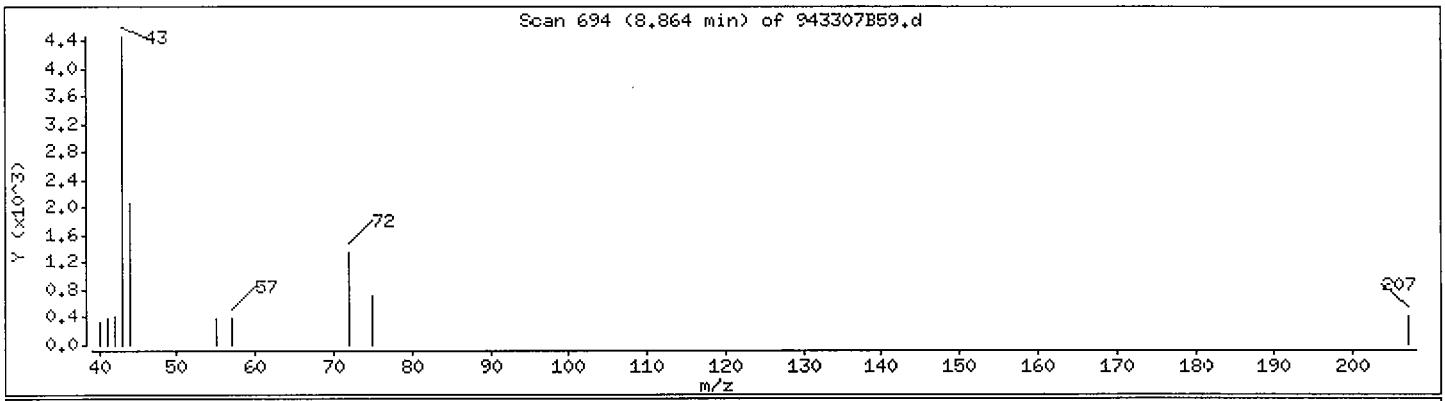
Client ID: ACSGWTB04-27 Instrument: 5972hp59.i

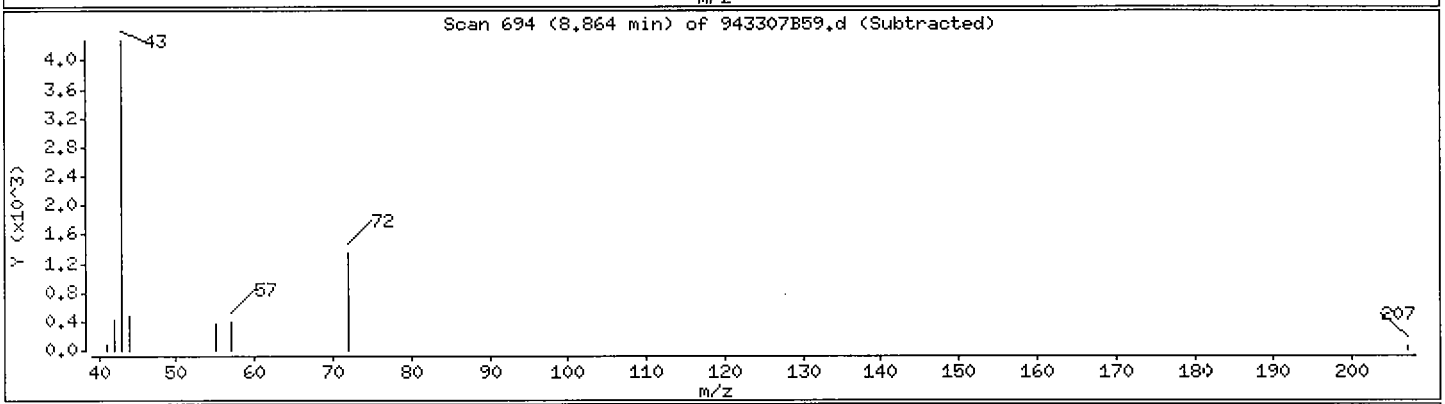
Sample Info: 943307;2481

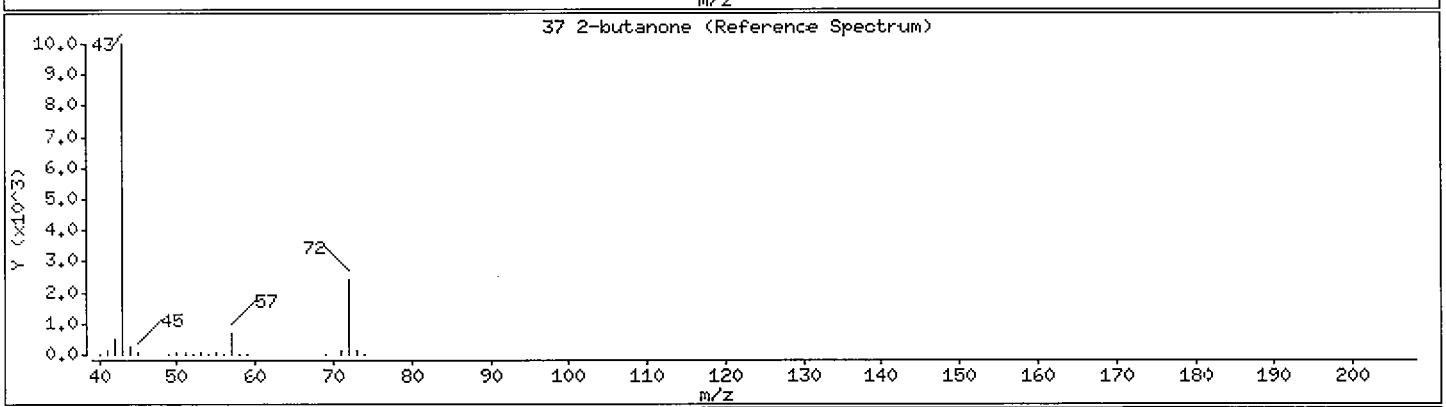
Purge Volume: 5.0 Operator: 2481

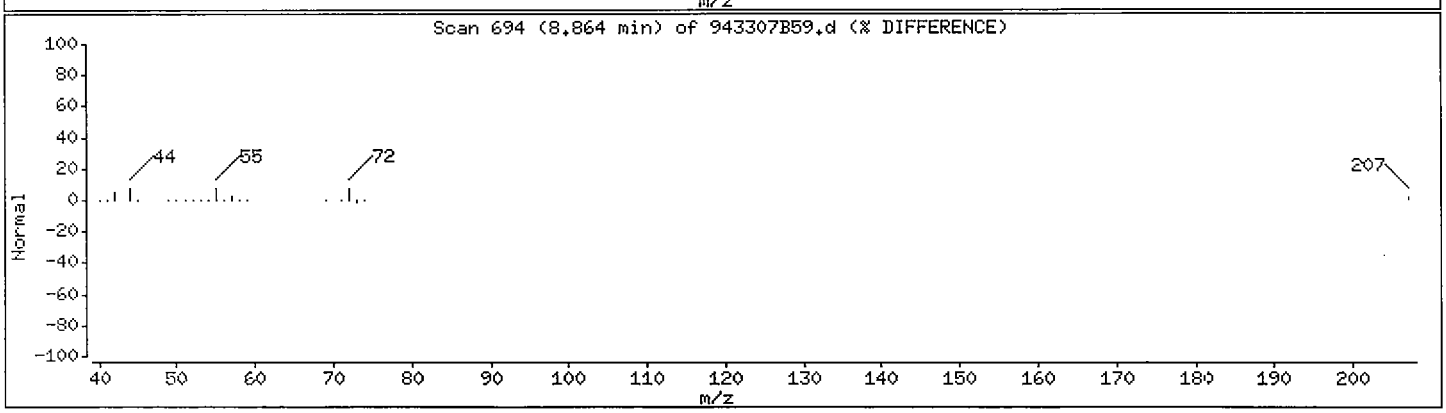
Column phase: ZB-624 Column diameter: 0.32

37 2-butanone Concentration: 12 ug/L









Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d
Report Date: 29-Mar-2006 05:04

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/943307B59.d
Lab Smp Id: 943307 Client Smp ID: ACSGWTB04-27
Inj Date : 29-MAR-2006 07:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 943307:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.957	1195424	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
8.657	468832	98.0470570		20 91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF060328B59.b/943307B59.d

Date : 29-MAR-2006 07:17

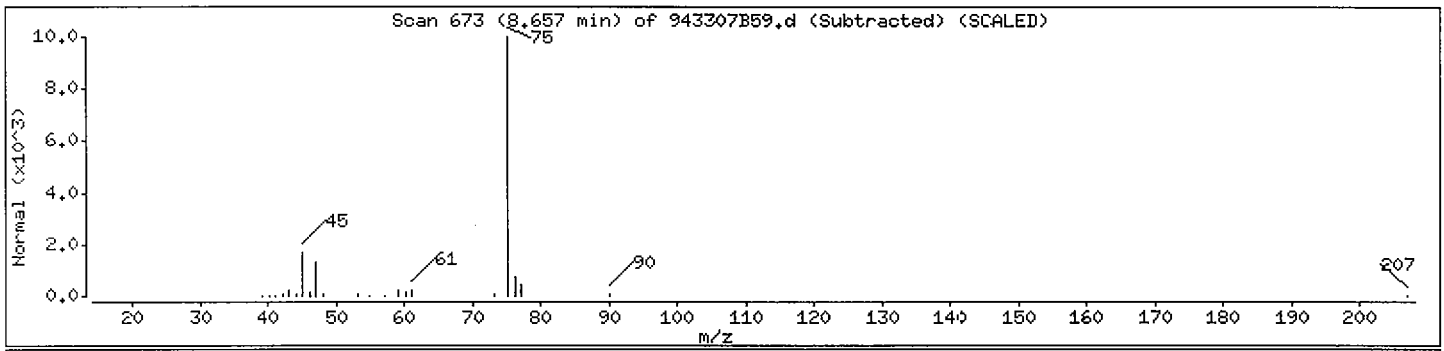
Client ID: ACSGWTB04-27 Instrument: 5972hp59.i

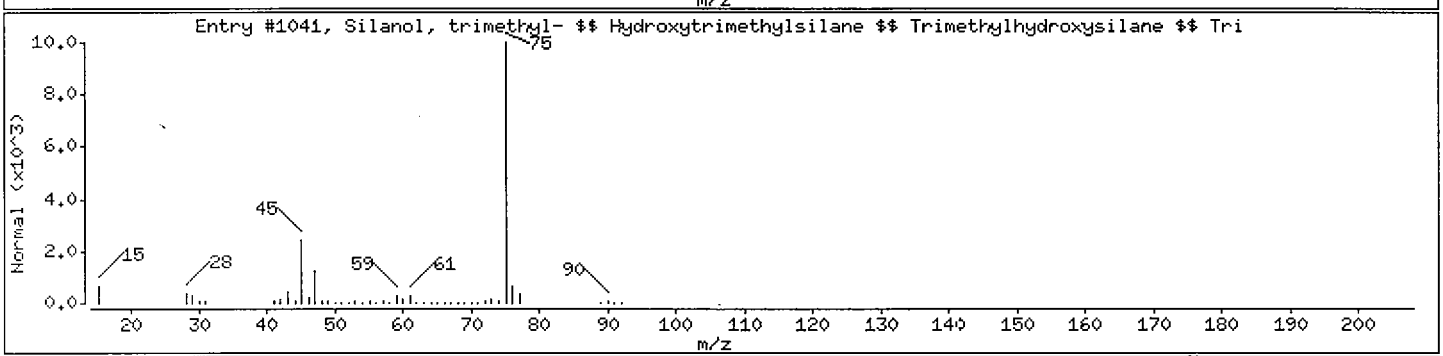
Sample Info: 943307:2481

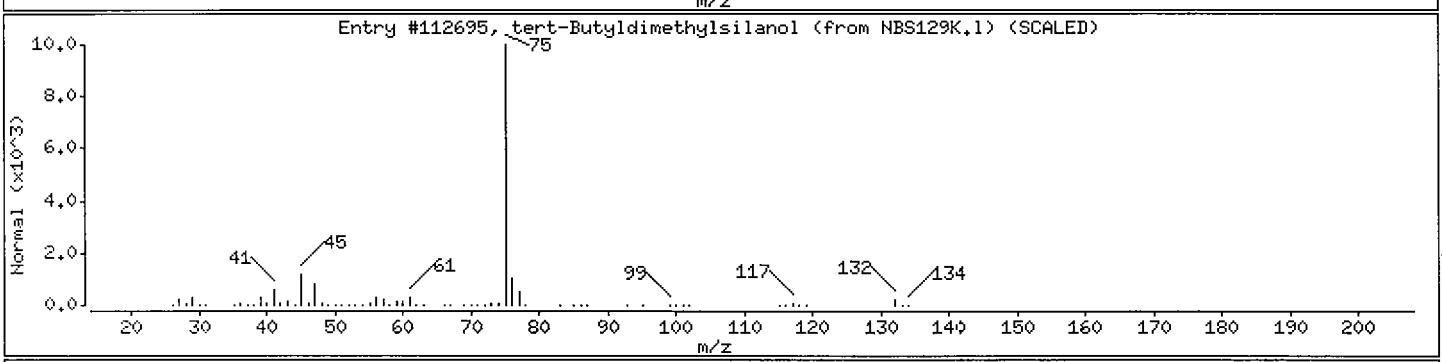
Purge Volume: 5.0 Operator: 2481

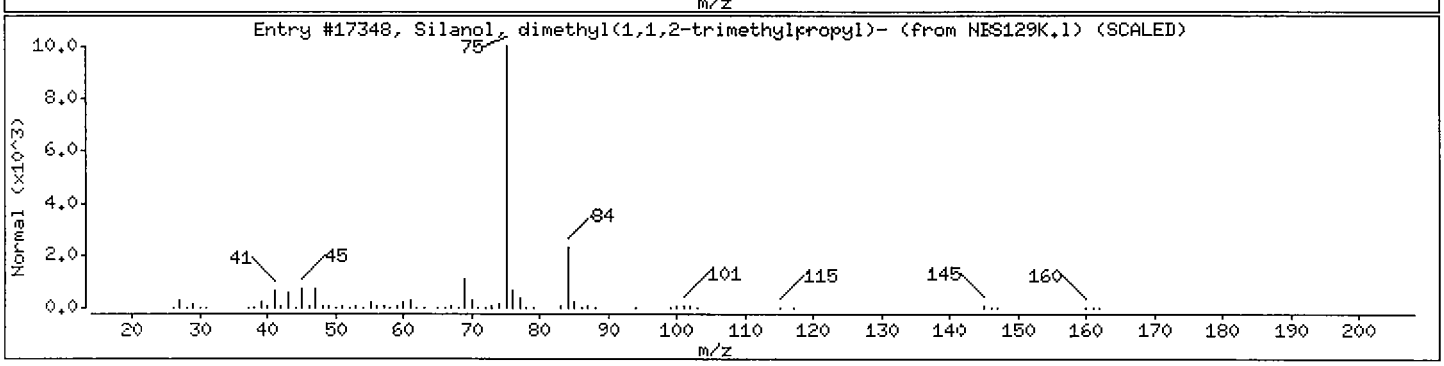
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	83	C6H16OSi	132
Silanol, dimethyl(1,1,2-trimethylpropyl)	55644-10-5	NBS129K.l	17348	78	C8H20OSi	160









3. Standards Data

a. Initial Calibration Data (Form VI VOA)

b. Continuing Calibration Data (Form VII VOA)

a. Initial Calibration Data (Form VI VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Reconstructed Ion Chromatograms and quantitation reports for the initial (five-point) calibration. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.43526	0.43504	0.43732	0.41961	0.41316	0.42501
Chloromethane	0.31995	0.30668	0.30710	0.29495	0.29988	0.31290
Vinyl Chloride	0.22453	0.21917	0.22722	0.21539	0.22219	0.21377
Bromomethane	17107	21472	40600	93440	195649	355410
Chloroethane	11512	11726	21649	52194	111692	198988
Trichlorofluoromethane	0.46506	0.46524	0.47507	0.45294	0.43769	0.44728
1,1-Dichloroethene	0.28997	0.27148	0.26907	0.24871	0.25159	0.24322
Carbon disulfide	0.97086	0.94580	0.95472	0.91427	0.94489	0.90922
1,1,2-trichloro-1,2,2-triflu	0.25761	0.29204	0.30760	0.29050	0.28973	0.28787
Acetone	12233	16566	30009	66711	142391	269912
Methylene Chloride	0.31665	0.30419	0.30234	0.29119	0.28987	0.27926
trans-1,2-Dichloroethene	0.31239	0.31187	0.30862	0.29070	0.29565	0.27540
Methyl-tert-butyl ether	0.72173	0.65365	0.66651	0.67336	0.66541	0.65819
1,1-Dichloroethane	0.54539	0.53088	0.54801	0.52396	0.53176	0.51136
cis-1,2-Dichloroethene	0.33116	0.32635	0.32436	0.31320	0.30841	0.29331
2-butanone	0.10761	0.09049	0.08900	0.08876	0.09161	0.08710
Chloroform	0.53412	0.52630	0.53431	0.53359	0.52163	0.50600
1,1,1-Trichloroethane	0.44049	0.43741	0.44962	0.44086	0.42583	0.42398
Carbon Tetrachloride	0.32363	0.34191	0.36591	0.34593	0.34008	0.33513
Benzene	1.10975	1.05374	1.07435	1.04219	1.01560	1.00243
1,2-Dichloroethane	0.37648	0.37087	0.38384	0.37972	0.36879	0.36686
Trichloroethene	0.26937	0.28344	0.27982	0.26781	0.26523	0.26389
1,2-Dichloropropane	0.27272	0.28481	0.28307	0.27981	0.26986	0.26244
Bromodichloromethane	0.36842	0.36724	0.37960	0.37204	0.36789	0.37219
cis-1,3-Dichloropropene	0.44031	0.44567	0.45606	0.44733	0.44764	0.44615
4-Methyl-2-pentanone	0.31568	0.26972	0.28208	0.29168	0.31506	0.30075
Toluene	0.95122	0.98063	0.99174	0.98608	0.96903	0.94027
trans-1,3-Dichloropropene	0.57689	0.58150	0.60952	0.60233	0.59368	0.58600
1,1,2-Trichloroethane	0.32139	0.32236	0.32161	0.31956	0.32253	0.30967
Tetrachloroethene	0.23302	0.26438	0.29216	0.28041	0.28220	0.27624
2-hexanone	0.22209	0.18868	0.20190	0.20741	0.21823	0.20966
Dibromochloromethane	0.35934	0.34652	0.36193	0.37473	0.37864	0.37287
1,2-Dibromoethane	0.36089	0.35985	0.36190	0.35492	0.35785	0.35318
Chlorobenzene	0.97308	1.03579	1.08081	1.03528	1.02084	0.98763
Ethylbenzene	0.43358	0.48333	0.52212	0.50547	0.51393	0.48842
Styrene	0.95256	1.04556	1.11589	1.12045	1.11604	1.06056
Bromoform	0.23132	0.22971	0.24228	0.24263	0.24806	0.25105
Isopropyl Benzene	1.16847	1.34111	1.52447	1.45964	1.51846	1.55037
1,1,2,2-Tetrachloroethane	0.95913	0.92875	0.95449	0.91739	0.89027	0.84121
1,3-Dichlorobenzene	1.22827	1.35965	1.50405	1.46944	1.52167	1.56368
1,4-Dichlorobenzene	1.28412	1.38256	1.56631	1.51000	1.53386	1.56086
1,2-Dichlorobenzene	1.16820	1.25621	1.39326	1.34884	1.37812	1.41506
1,2-Dibromo-3-Chloropropane	0.13454	0.13010	0.14540	0.14813	0.15759	0.16789
1,2,4-Trichlorobenzene	0.72176	0.81103	0.90251	0.89416	0.93479	1.02925

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.53784	0.59977	0.64923	0.63098	0.63322	0.59467
Methyl acetate	0.17548	0.15087	0.15268	0.14918	0.15652	0.14616
Cyclohexane	0.27355	0.32707	0.36301	0.35406	0.36728	0.38101
Methylcyclohexane	0.22514	0.26194	0.31066	0.28773	0.30217	0.33640
Dibromofluoromethane		0.37853	0.34360	0.30400	0.30501	0.28296
1,2-Dichloroethane-d4		0.40112	0.36073	0.31525	0.31505	0.29900
Toluene-d8		1.75793	1.58056	1.40453	1.41002	1.34048
Bromofluorobenzene		1.52323	1.37957	1.23588	1.24110	1.22026

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG		0.42756651		2.309	15.000
Chloromethane	AVRG		0.30690973		2.908	15.000
Vinyl Chloride	AVRG		0.22038065		2.378	30.000
Bromomethane	2ORDR	-0.0367530	4.99537271	0.69629962	0.9997325	0.9900000
Chloroethane	2ORDR	-0.0295444	8.63250215	2.86220882	0.9990502	0.9900000
Trichlorofluoromethane	AVRG		0.45721451		3.004	15.000
1,1-Dichloroethene	AVRG		0.26234071		6.731	30.000
Carbon disulfide	AVRG		0.93996192		2.534	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG		0.28755881		5.676	15.000
Acetone	2ORDR	-0.1422354	18.2981725	-0.1453290	0.9998151	0.9900000
Methylene Chloride	AVRG		0.29725024		4.426	15.000
trans-1,2-Dichloroethene	AVRG		0.29910581		4.901	15.000
Methyl-tert-butyl ether	AVRG		0.67314271		3.680	15.000
1,1-Dichloroethane	AVRG		0.53189399		2.560	15.000
cis-1,2-Dichloroethene	AVRG		0.31613324		4.445	15.000
2-butanone	AVRG		0.09242852		8.219	15.000
Chloroform	AVRG		0.52599241		2.102	30.000
1,1,1-Trichloroethane	AVRG		0.43636454		2.241	15.000
Carbon Tetrachloride	AVRG		0.34209913		4.083	15.000
Benzene	AVRG		1.04967698		3.734	15.000
1,2-Dichloroethane	AVRG		0.37442876		1.781	15.000
Trichloroethene	AVRG		0.27159297		2.978	15.000
1,2-Dichloropropane	AVRG		0.27545369		3.135	30.000
Bromodichloromethane	AVRG		0.37122891		1.243	15.000
cis-1,3-Dichloropropene	AVRG		0.44719291		1.139	15.000
4-Methyl-2-pentanone	AVRG		0.29582930		6.189	15.000
Toluene	AVRG		0.96983100		2.104	30.000
trans-1,3-Dichloropropene	AVRG		0.59165302		2.125	15.000
1,1,2-Trichloroethane	AVRG		0.31952046		1.547	15.000
Tetrachloroethene	AVRG		0.27140209		7.684	15.000
2-hexanone	AVRG		0.20799714		5.757	15.000
Dibromochloromethane	AVRG		0.36567205		3.288	15.000
1,2-Dibromoethane	AVRG		0.35810005		0.964	15.000
Chlorobenzene	AVRG		1.02223953		3.763	15.000
Ethylbenzene	AVRG		0.49114245		6.481	30.000
Styrene	AVRG		1.06851076		6.099	15.000
Bromoform	AVRG		0.24084027		3.601	15.000
Isopropyl Benzene	AVRG		1.42708890		10.316	15.000
1,1,2,2-Tetrachloroethane	AVRG		0.91520607		4.827	15.000
1,3-Dichlorobenzene	AVRG		1.44112771		8.679	15.000
1,4-Dichlorobenzene	AVRG		1.47295361		7.762	15.000
1,2-Dichlorobenzene	AVRG		1.32661470		7.188	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.14727638		9.568	15.000
1,2,4-Trichlorobenzene	AVRG		0.88225087		11.969	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

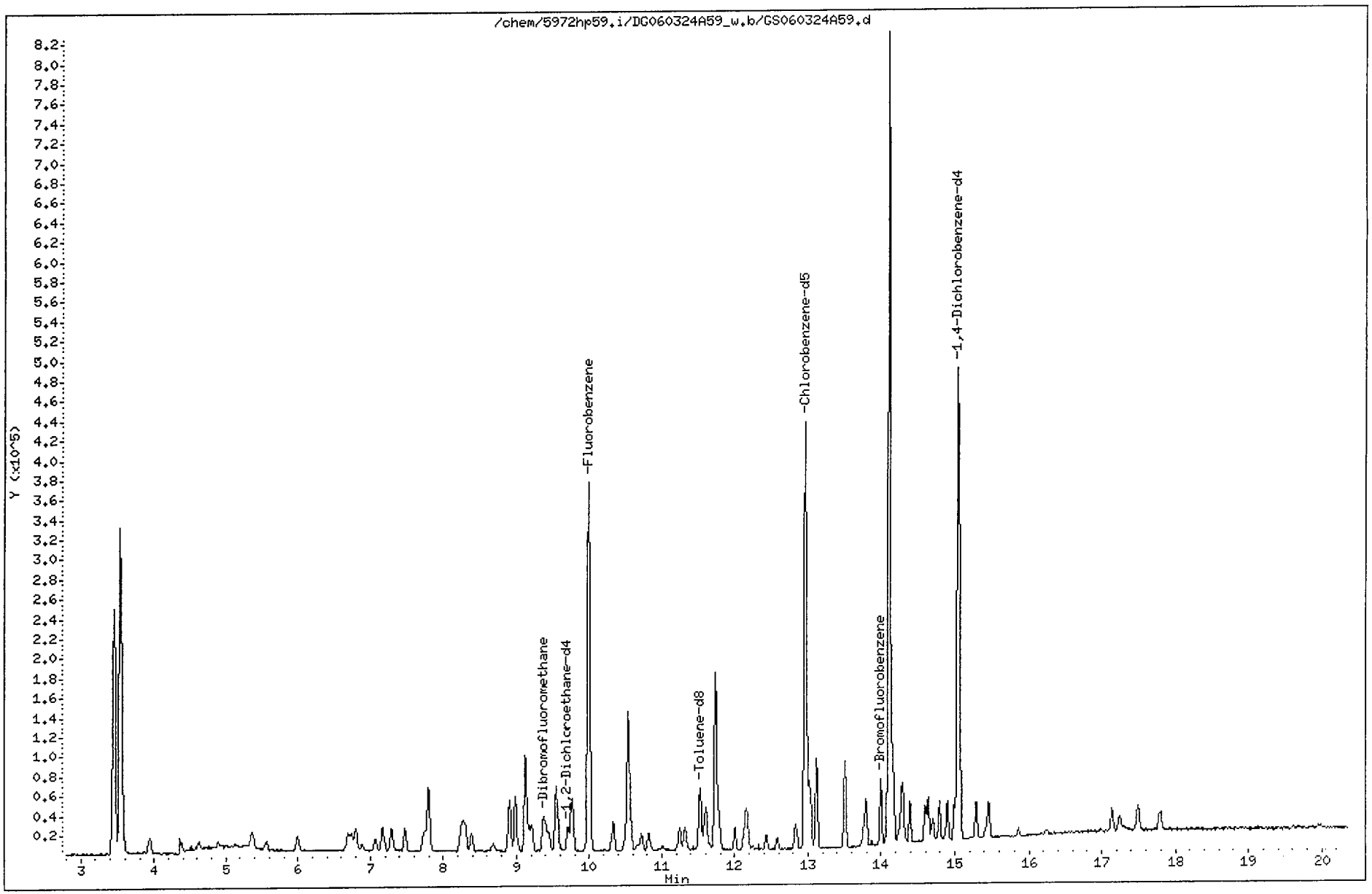
Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.60761677		6.596	15.000
Methyl acetate	AVRG		0.15514806		6.798	15.000
Cyclohexane	AVRG		0.34433244		11.340	15.000
Methylcyclohexane	AVRG		0.28733788		13.644	15.000
Dibromofluoromethane	AVRG		0.32281960		11.791	15.000
1,2-Dichloroethane-d4	AVRG		0.33822900		12.427	15.000
Toluene-d8	AVRG		1.49870425		11.346	15.000
Bromofluorobenzene	AVRG		1.32000965		9.885	15.000

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Date : 24-MAR-2006 15:53
Client ID: VSTD005
Sample Info: VSTD005;2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 24-MAR-2006 15:53
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD005:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 15:53 Cal File: GS060324A59.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.986	9.986	(1.000)	497608	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	336199	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	168131	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.938)	22697	25.0000	35
$ 5 1,2-Dichloroethane-d4	65	9.700	9.700	(0.971)	23676	25.0000	35
$ 6 Toluene-d8	98	11.522	11.522	(0.889)	68721	25.0000	34
$ 7 Bromofluorobenzene	95	13.993	13.993	(0.930)	32374	25.0000	36
8 Dichlorodifluoromethane	85	3.941	3.941	(0.395)	21659	25.0000	25
9 Chloromethane	50	4.374	4.374	(0.438)	15921	25.0000	26
10 Vinyl Chloride	62	4.620	4.620	(0.463)	11173	25.0000	25
11 Bromomethane	94	5.369	5.369	(0.538)	17107	25.0000	34
12 Chloroethane	64	5.556	5.556	(0.556)	11512	25.0000	43
13 Trichlorofluoromethane	101	5.989	5.989	(0.600)	23142	25.0000	25
14 Acrolein	56	6.678	6.678	(0.669)	18465	250.000	270
15 1,1-Dichloroethene	96	6.806	6.806	(0.682)	14429	25.0000	28

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
16 1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	4843	25.0000	22	
17 Acetone	43	6.875	6.875	(0.688)	12233	62.5000	77	
18 Iodomethane	142	7.072	7.072	(0.708)	19555	25.0000	25	
19 1,1,2-trichloro-1,2,2-trifluo	101	6.757	6.757	(0.677)	12819	25.0000	22	
20 Carbon disulfide	76	7.170	7.170	(0.718)	48311	25.0000	26	
21 3-Chloropropene	76	7.288	7.288	(0.730)	7494	25.0000	26	
22 Acetonitrile	41	7.288	7.288	(0.730)	20285	25.0000	27	
23 Methyl acetate	43	7.279	7.279	(0.729)	8732	25.0000	28	
24 Methylene Chloride	84	7.475	7.475	(0.749)	15757	25.0000	27	
25 Acrylonitrile	53	7.790	7.790	(0.780)	40539	250.000	280	
26 trans-1,2-Dichloroethene	96	7.800	7.800	(0.781)	15545	25.0000	26	
27 trans-1,2-DCE (part of total)	96	7.800	7.800	(0.781)	15545	25.0000	26	
28 Methyl-tert-butyl ether	73	7.741	7.741	(0.775)	35914	25.0000	27	
29 1,1-Dichloroethane	63	8.302	8.302	(0.831)	27139	25.0000	26	
30 Chloroprene	53	8.381	8.381	(0.839)	19302	25.0000	25	
31 Vinyl acetate	43	8.283	8.283	(0.829)	41772	25.0000	26	
32 Isopropyl ether	45	8.243	8.243	(0.825)	41818	25.0000	25	
33 cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	16479	25.0000	26	
34 cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	16479	25.0000	26	
35 2,2-Dichloropropane	77	8.903	8.903	(0.892)	22139	25.0000	26	
36 Propionitrile	54	8.982	8.982	(0.899)	74265	1250.00	1400	
37 2-butanone	43	8.893	8.893	(0.891)	13387	62.5000	73	
38 Methacrylonitrile	41	9.120	9.120	(0.913)	64475	250.000	280	
39 Bromochloromethane	128	9.169	9.169	(0.918)	6912	25.0000	26	
40 Chloroform	83	9.208	9.208	(0.922)	26578	25.0000	25	
41 1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	21919	25.0000	25	
42 Cyclohexane	56	9.444	9.444	(0.946)	13612	25.0000	20	
43 1,1-dichloropropene	75	9.533	9.533	(0.955)	18555	25.0000	24	
44 Carbon Tetrachloride	117	9.553	9.553	(0.957)	16104	25.0000	24	
45 1,2-Dichloroethane	62	9.779	9.779	(0.979)	18734	25.0000	25	
46 Isobutyl alcohol	43	9.543	9.543	(0.956)	22804	1250.00	1400	
47 Benzene	78	9.759	9.759	(0.977)	55222	25.0000	26	
48 Trichloroethene	130	10.330	10.330	(1.034)	13404	25.0000	25	
49 Methylcyclohexane	83	10.508	10.508	(1.052)	11203	25.0000	20	
50 1,2-Dichloropropane	63	10.577	10.577	(1.059)	13571	25.0000	25	
51 Dibromomethane	174	10.724	10.724	(1.074)	8439	25.0000	27	
52 1,4-dioxane	88	10.665	10.665	(1.068)	5872	1250.00	1400	
53 Methylmethacrylate	69	10.537	10.537	(1.055)	80827	250.000	270	
54 Bromodichloromethane	83	10.833	10.833	(1.085)	18333	25.0000	25	
55 2-chloroethyl vinyl ether	63	11.020	11.020	(1.104)	2974	25.0000	25	(M)
56 cis-1,3-Dichloropropene	75	11.246	11.246	(1.126)	21910	25.0000	25	(
57 4-Methyl-2-pentanone	43	11.325	11.325	(0.874)	26533	62.5000	67	
58 Toluene	92	11.600	11.600	(0.895)	31980	25.0000	25	
59 trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	19395	25.0000	24	
60 1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	10805	25.0000	25	
61 Ethylmethacrylate	69	11.738	11.738	(0.906)	151204	250.000	270	
62 1,3-Dichloropropane	76	12.181	12.181	(0.940)	19276	25.0000	26	

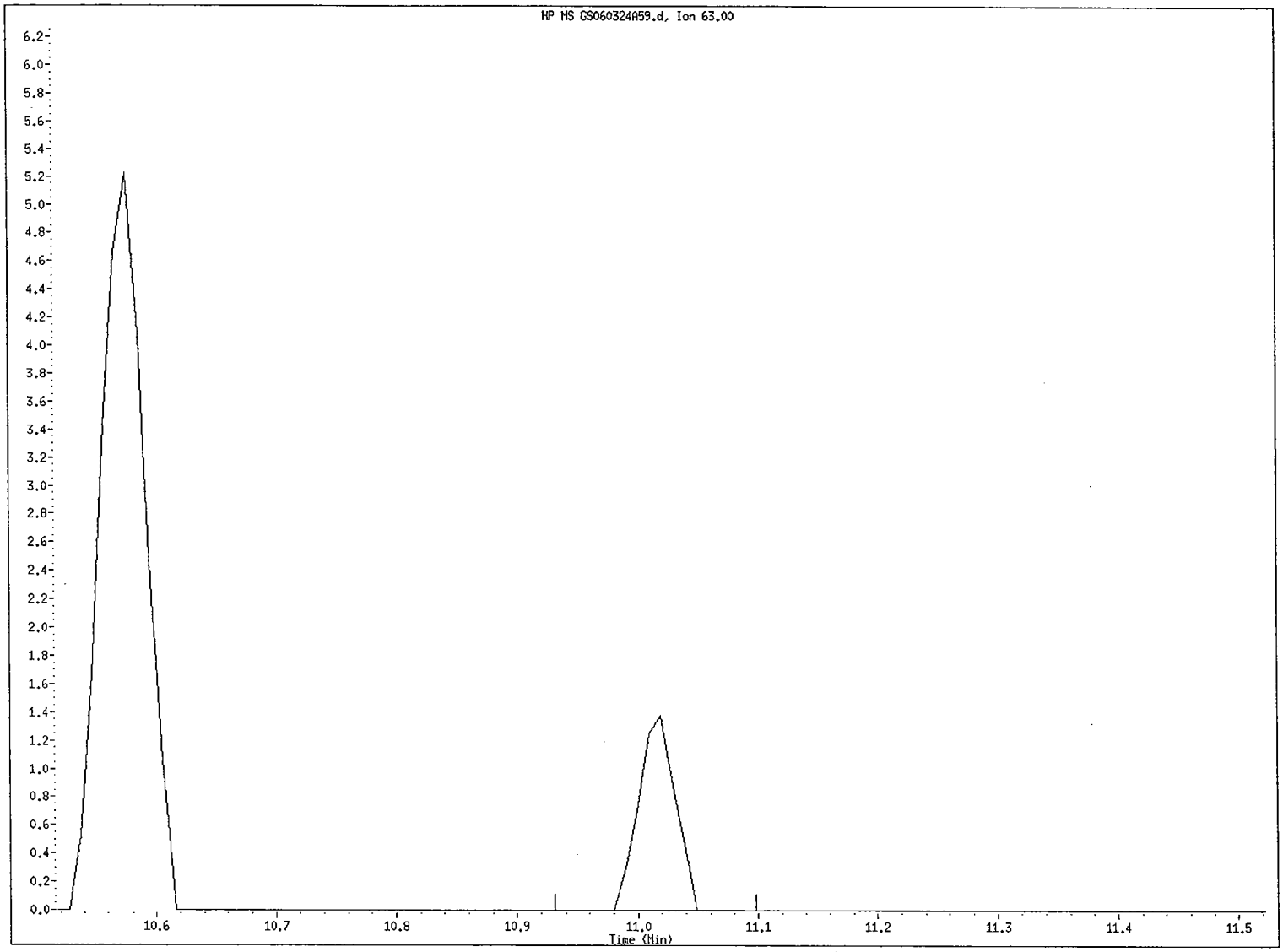
Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.152	12.152	(0.938)	7834	25.0000	21
64 2-hexanone	43	12.142	12.142	(0.937)	18667	62.5000	67
65 Dibromochloromethane	129	12.437	12.437	(0.960)	12081	25.0000	25
66 1,2-Dibromoethane	107	12.585	12.585	(0.971)	12133	25.0000	25
67 Chlorobenzene	112	12.989	12.989	(1.002)	32715	25.0000	24
69 1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	10939	25.0000	23
70 Ethylbenzene	106	13.018	13.018	(1.005)	14577	25.0000	22
71 m,p-Xylene	106	13.117	13.117	(1.012)	35761	50.0000	44
72 m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	35761	50.0000	44
73 o-Xylene	106	13.501	13.501	(1.042)	18485	25.0000	23
74 o-Xylene (part of total)	106	13.501	13.501	(1.042)	18485	25.0000	23
75 Styrene	104	13.510	13.510	(1.043)	32025	25.0000	22
76 Bromoform	173	13.776	13.776	(1.063)	7777	25.0000	24
78 Isopropyl Benzene	105	13.796	13.796	(1.065)	39284	25.0000	20
79 1,1,2,2-Tetrachloroethane	83	14.081	14.081	(0.936)	16126	25.0000	26
80 1,2,3-Trichloropropane	110	14.150	14.150	(1.092)	4195	25.0000	27
81 Bromobenzene	156	14.170	14.170	(1.093)	12494	25.0000	24
82 trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	202724	100.000	110
83 n-Propyl Benzene	91	14.150	14.150	(0.940)	56929	25.0000	44
84 2-Chlorotoluene	126	14.308	14.308	(0.951)	10062	25.0000	21
85 4-Chlorotoluene	126	14.396	14.396	(0.957)	10442	25.0000	21
86 1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	33469	25.0000	20
87 Pentachloroethane	167	14.702	14.702	(0.977)	6260	25.0000	23
88 tert-Butyl Benzene	119	14.593	14.593	(0.970)	29033	25.0000	20
89 1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	35066	25.0000	20
90 sec-Butyl Benzene	105	14.790	14.790	(0.983)	39906	25.0000	19
91 1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	20651	25.0000	21
92 p-Isopropyl Toluene	119	14.899	14.899	(0.990)	31548	25.0000	20
93 1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	21590	25.0000	22
94 1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	19641	25.0000	22
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.283	15.283	(1.016)	31556	25.0000	20
96 1,2-Dibromo-3-Chloropropane	157	16.257	16.257	(1.080)	2262	25.0000	23
97 1,2,4-Trichlorobenzene	180	17.133	17.133	(1.139)	12135	25.0000	20
98 Hexachlorobutadiene	225	17.242	17.242	(1.146)	4504	25.0000	19
99 Naphthalene	128	17.488	17.488	(1.162)	32449	25.0000	24
100 1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	11234	25.0000	21
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				32024	50.0000	52
M 102 Xylene (total)	106				54246	75.0000	66

QC Flag Legend

M - Compound response manually integrated.

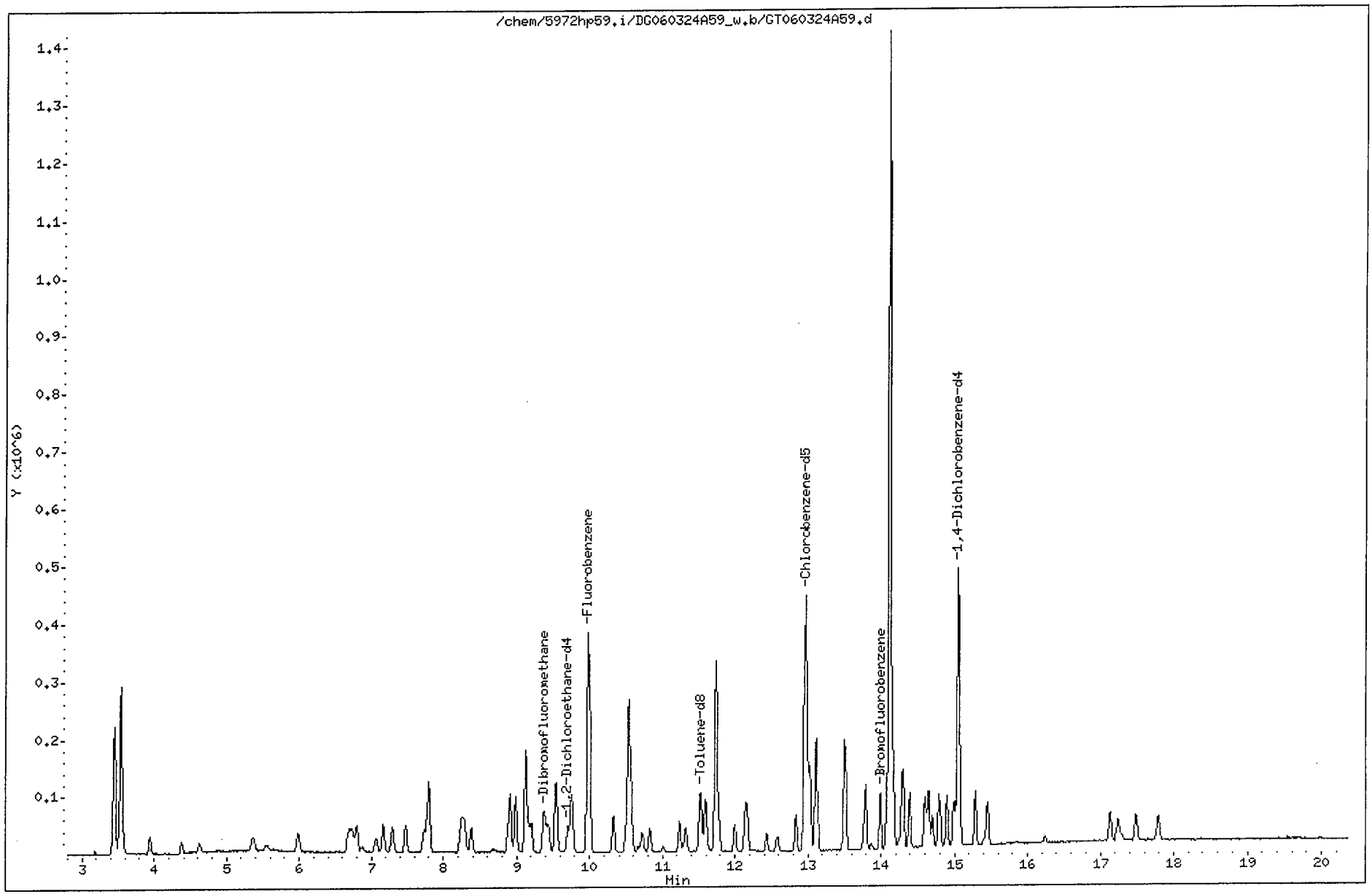
2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 2974 Manually integrated



File name: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 24-MAR-2006 15:53
Retention Time: 11.02
Operator ID: 2473

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Date : 24-MAR-2006 16:21
Client ID: VSTD010
Sample Info: VSTD010;2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 24-MAR-2006 16:21
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD010:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:21 Cal File: GT060324A59.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.988	9.988	(1.000)	492258	250.000	
* 2 Chlorobenzene-d5	117	12.961	12.961	(1.000)	326896	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.048	15.048	(1.000)	161486	250.000	
$ 4 Dibromofluoromethane	113	9.368	9.368	(0.938)	37267	50.0000	59
$ 5 1,2-Dichloroethane-d4	65	9.702	9.702	(0.971)	39491	50.0000	59
$ 6 Toluene-d8	98	11.514	11.514	(0.888)	114932	50.0000	59
$ 7 Bromofluorobenzene	95	13.995	13.995	(0.930)	49196	50.0000	58
8 Dichlorodifluoromethane	85	3.933	3.933	(0.394)	42830	50.0000	51
9 Chloromethane	50	4.376	4.376	(0.438)	30193	50.0000	50
10 Vinyl Chloride	62	4.622	4.622	(0.463)	21578	50.0000	50
11 Bromomethane	94	5.361	5.361	(0.537)	21472	50.0000	46
12 Chloroethane	64	5.548	5.548	(0.555)	11726	50.0000	44
13 Trichlorofluoromethane	101	5.981	5.981	(0.599)	45804	50.0000	51
14 Acrolein	56	6.680	6.680	(0.669)	31847	500.000	470
15 1,1-Dichloroethene	96	6.798	6.798	(0.681)	26728	50.0000	52

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

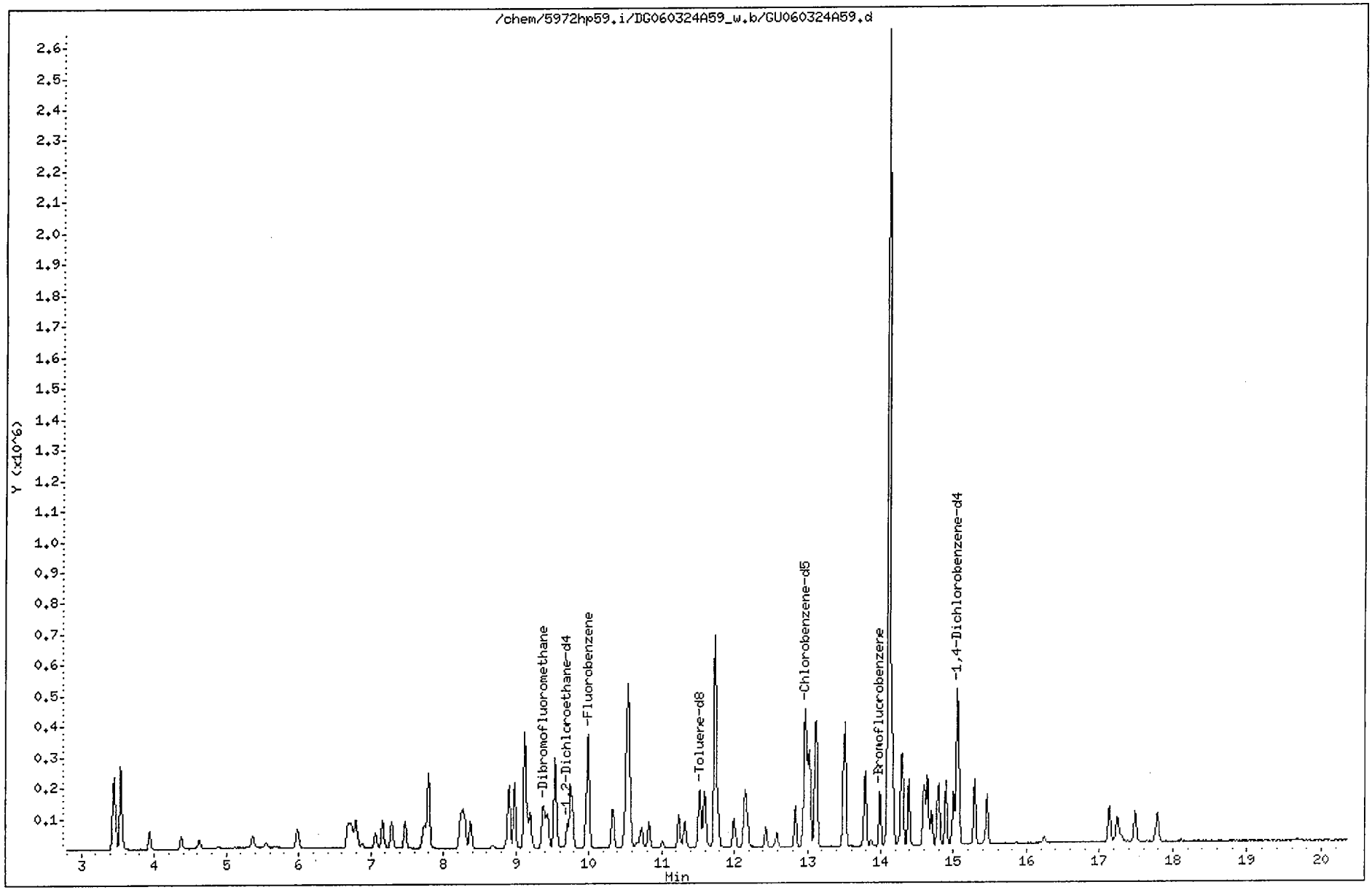
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.710	6.710	(0.672)	10946	50.0000	50
17 Acetone	43	6.877	6.877	(0.689)	16566	125.000	120
18 Iodomethane	142	7.064	7.064	(0.707)	39157	50.0000	50
19 1,1,2-trichloro-1,2,2-trifluo	101	6.739	6.739	(0.675)	28752	50.0000	51
20 Carbon disulfide	76	7.162	7.162	(0.717)	93116	50.0000	50
21 3-Chloropropene	76	7.290	7.290	(0.730)	14156	50.0000	50
22 Acetonitrile	41	7.290	7.290	(0.730)	37183	50.0000	50
23 Methyl acetate	43	7.281	7.281	(0.729)	14853	50.0000	49
24 Methylene Chloride	84	7.477	7.477	(0.749)	29948	50.0000	51
25 Acrylonitrile	53	7.793	7.793	(0.780)	69359	500.000	480
26 trans-1,2-Dichloroethene	96	7.793	7.793	(0.780)	30704	50.0000	52
27 trans-1,2-DCE (part of total)	96	7.793	7.793	(0.780)	30704	50.0000	52
28 Methyl-tert-butyl ether	73	7.733	7.733	(0.774)	64353	50.0000	49
29 1,1-Dichloroethane	63	8.304	8.304	(0.831)	52266	50.0000	50
30 Chloroprene	53	8.373	8.373	(0.838)	37794	50.0000	49
31 Vinyl acetate	43	8.265	8.265	(0.828)	77869	50.0000	48
32 Isopropyl ether	45	8.245	8.245	(0.826)	80998	50.0000	49
33 cis-1,2-Dichloroethene	96	8.905	8.905	(0.892)	32130	50.0000	52
34 cis-1,2-DCE (part of total)	96	8.905	8.905	(0.892)	32130	50.0000	52
35 2,2-Dichloropropane	77	8.895	8.895	(0.891)	43692	50.0000	51
36 Propionitrile	54	8.984	8.984	(0.899)	122610	2500.00	2300
37 2-butanone	43	8.885	8.885	(0.890)	22272	125.000	120
38 Methacrylonitrile	41	9.122	9.122	(0.913)	113190	500.000	490
39 Bromochloromethane	128	9.171	9.171	(0.918)	13712	50.0000	52
40 Chloroform	83	9.210	9.210	(0.922)	51815	50.0000	50
41 1,1,1-Trichloroethane	97	9.397	9.397	(0.941)	43064	50.0000	50
42 Cyclohexane	56	9.437	9.437	(0.945)	32201	50.0000	47
43 1,1-dichloropropene	75	9.535	9.535	(0.955)	38092	50.0000	51
44 Carbon Tetrachloride	117	9.545	9.545	(0.956)	33662	50.0000	50
45 1,2-Dichloroethane	62	9.771	9.771	(0.978)	36513	50.0000	50
46 Isobutyl alcohol	43	9.545	9.545	(0.956)	35554	2500.00	2200
47 Benzene	78	9.752	9.752	(0.976)	103742	50.0000	50
48 Trichloroethene	130	10.332	10.332	(1.034)	27905	50.0000	52
49 Methylcyclohexane	83	10.500	10.500	(1.051)	25788	50.0000	46
50 1,2-Dichloropropane	63	10.569	10.569	(1.058)	28040	50.0000	52
51 Dibromomethane	174	10.726	10.726	(1.074)	15385	50.0000	49
52 1,4-dioxane	88	10.667	10.667	(1.068)	9613	2500.00	2200
53 Methylmethacrylate	69	10.539	10.539	(1.055)	146408	500.000	500
54 Bromodichloromethane	83	10.825	10.825	(1.084)	36155	50.0000	49
55 2-chloroethyl vinyl ether	63	11.022	11.022	(1.103)	5688	50.0000	48
56 cis-1,3-Dichloropropene	75	11.238	11.238	(1.125)	43877	50.0000	50
57 4-Methyl-2-pentanone	43	11.317	11.317	(0.873)	44085	125.000	110
58 Toluene	92	11.593	11.593	(0.894)	64113	50.0000	51
59 trans-1,3-Dichloropropene	75	11.780	11.780	(0.909)	38018	50.0000	49
60 1,1,2-Trichloroethane	97	11.996	11.996	(0.926)	21076	50.0000	50
61 Ethylmethacrylate	69	11.730	11.730	(0.905)	277256	500.000	510
62 1,3-Dichloropropane	76	12.174	12.174	(0.939)	36133	50.0000	50

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
63	Tetrachloroethene	164	12.154	12.154	(0.938)	17285	50.0000	49
64	2-hexanone	43	12.134	12.134	(0.936)	30839	125.000	110
65	Dibromochloromethane	129	12.429	12.429	(0.959)	22655	50.0000	47
66	1,2-Dibromoethane	107	12.577	12.577	(0.970)	23527	50.0000	50
67	Chlorobenzene	112	12.991	12.991	(1.002)	67719	50.0000	51
69	1,1,1,2-Tetrachloroethane	131	13.040	13.040	(1.006)	22916	50.0000	50
70	Ethylbenzene	106	13.020	13.020	(1.005)	31600	50.0000	49
71	m,p-Xylene	106	13.119	13.119	(1.012)	78459	100.000	98
72	m,p-Xylene (part of total)	106	13.119	13.119	(1.012)	78459	100.000	98
73	o-Xylene	106	13.503	13.503	(1.042)	39179	50.0000	50
74	o-Xylene (part of total)	106	13.503	13.503	(1.042)	39179	50.0000	50
75	Styrene	104	13.512	13.512	(1.043)	68358	50.0000	49
76	Bromoform	173	13.778	13.778	(1.063)	15018	50.0000	48
78	Isopropyl Benzene	105	13.788	13.788	(1.064)	87681	50.0000	47
79	1,1,2,2-Tetrachloroethane	83	14.083	14.083	(0.936)	29996	50.0000	51
80	1,2,3-Trichloropropane	110	14.152	14.152	(1.092)	7559	50.0000	51
81	Bromobenzene	156	14.172	14.172	(1.093)	26184	50.0000	51
82	trans-1,4-dichloro-2-butene	53	14.113	14.113	(1.089)	368722	200.000	210
83	n-Propyl Benzene	91	14.152	14.152	(0.940)	116087	50.0000	59
84	2-Chlorotoluene	126	14.300	14.300	(0.950)	22240	50.0000	48
85	4-Chlorotoluene	126	14.389	14.389	(0.956)	22853	50.0000	47
86	1,3,5-Trimethyl Benzene	105	14.280	14.280	(0.949)	74388	50.0000	46
87	Pentachloroethane	167	14.704	14.704	(0.977)	12539	50.0000	48
88	tert-Butyl Benzene	119	14.595	14.595	(0.970)	63468	50.0000	46
89	1,2,4-Trimethyl Benzene	105	14.645	14.645	(0.973)	77616	50.0000	46
90	sec-Butyl Benzene	105	14.792	14.792	(0.983)	90129	50.0000	45
91	1,3-Dichlorobenzene	146	14.999	14.999	(0.997)	43913	50.0000	47
92	p-Isopropyl Toluene	119	14.891	14.891	(0.990)	70630	50.0000	46
93	1,4-Dichlorobenzene	146	15.068	15.068	(1.001)	44653	50.0000	47
94	1,2-Dichlorobenzene	146	15.452	15.452	(1.027)	40572	50.0000	47
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.285	15.285	(1.016)	74242	50.0000	47
96	1,2-Dibromo-3-Chloropropane	157	16.249	16.249	(1.080)	4202	50.0000	44
97	1,2,4-Trichlorobenzene	180	17.135	17.135	(1.139)	26194	50.0000	46
98	Hexachlorobutadiene	225	17.244	17.244	(1.146)	12222	50.0000	49
99	Naphthalene	128	17.490	17.490	(1.162)	56179	50.0000	44
100	1,2,3-Trichlorobenzene	180	17.785	17.785	(1.182)	22120	50.0000	44
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				62834	100.000	100
M 102	Xylene (total)	106				117638	150.000	150

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Date : 24-MAR-2006 16:49
Client ID: VSTD020
Sample Info: VSTD020:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 24-MAR-2006 16:49
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD020:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:49 Cal File: GU060324A59.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.990	9.990	(1.000)	479714	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.964	(1.000)	322443	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.051	15.051	(1.000)	157239	250.000	
$ 4 Dibromofluoromethane	113	9.370	9.370	(0.938)	65931	100.000	110
$ 5 1,2-Dichloroethane-d4	65	9.705	9.705	(0.971)	69219	100.000	110
$ 6 Toluene-d8	98	11.526	11.526	(0.889)	203856	100.000	110
$ 7 Bromofluorobenzene	95	13.987	13.987	(0.929)	86769	100.000	100
8 Dichlorodifluoromethane	85	3.936	3.936	(0.394)	83915	100.000	100
9 Chloromethane	50	4.379	4.379	(0.438)	58928	100.000	100
10 Vinyl Chloride	62	4.625	4.625	(0.463)	43600	100.000	100
11 Bromomethane	94	5.363	5.363	(0.537)	40600	100.000	98
12 Chloroethane	64	5.550	5.550	(0.556)	21649	100.000	91
13 Trichlorofluoromethane	101	5.983	5.983	(0.599)	91159	100.000	100
14 Acrolein	56	6.682	6.682	(0.669)	67609	1000.00	1000
15 1,1-Dichloroethene	96	6.801	6.801	(0.681)	51631	100.000	100

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

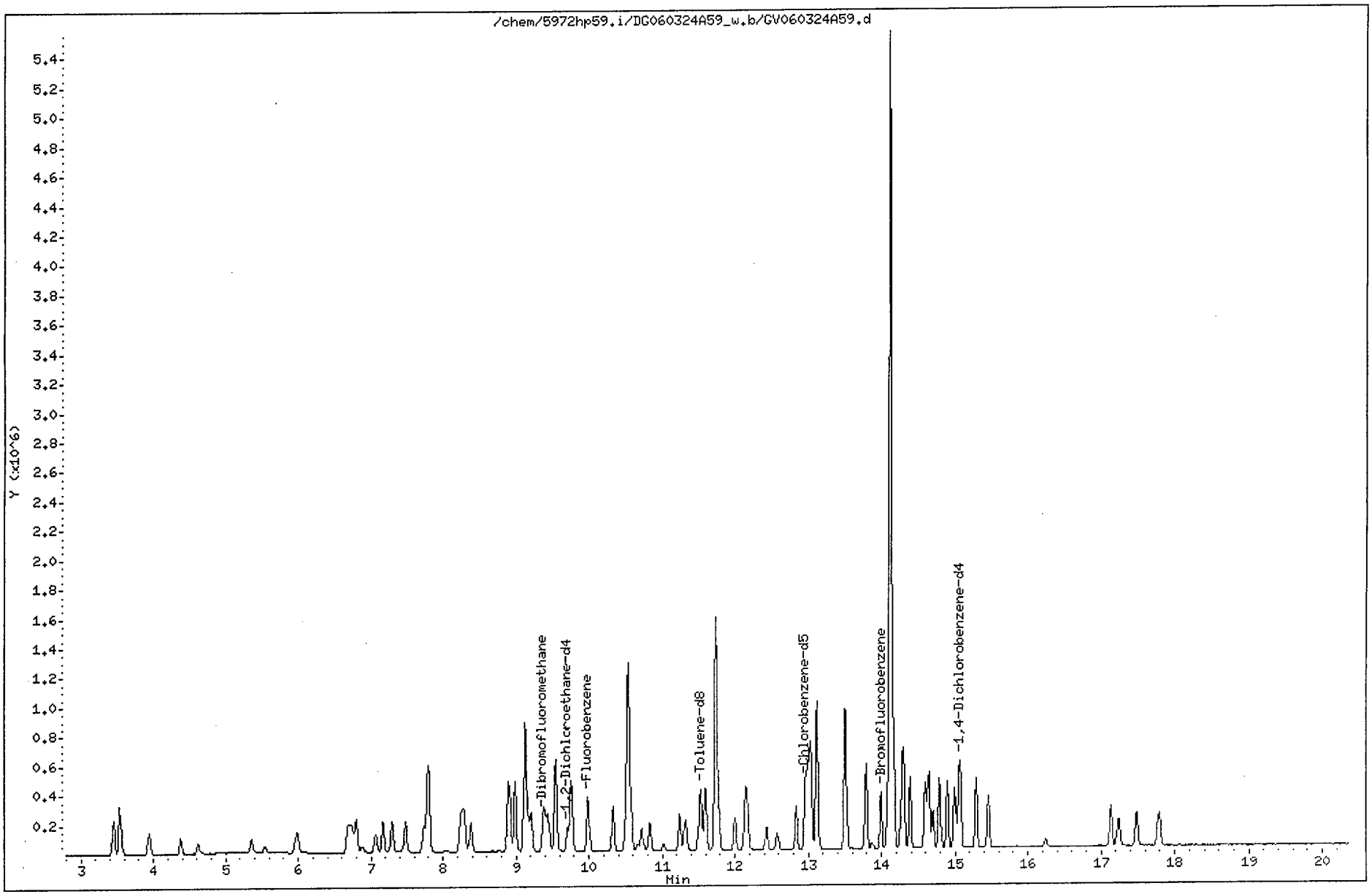
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.702	6.702	(0.671)	22313	100.000	110
17 Acetone	43	6.879	6.879	(0.689)	30009	250.000	250
18 Iodomethane	142	7.066	7.066	(0.707)	80129	100.000	110
19 1,1,2-trichloro-1,2,2-trifluo	101	6.742	6.742	(0.675)	59025	100.000	110
20 Carbon disulfide	76	7.165	7.165	(0.717)	183198	100.000	100
21 3-Chloropropene	76	7.293	7.293	(0.730)	27703	100.000	100
22 Acetonitrile	41	7.293	7.293	(0.730)	73653	100.000	100
23 Methyl acetate	43	7.283	7.283	(0.729)	29298	100.000	98
24 Methylene Chloride	84	7.470	7.470	(0.748)	58014	100.000	100
25 Acrylonitrile	53	7.785	7.785	(0.779)	142824	1000.00	1000
26 trans-1,2-Dichloroethene	96	7.795	7.795	(0.780)	59220	100.000	100
27 trans-1,2-DCE (part of total)	96	7.795	7.795	(0.780)	59220	100.000	100
28 Methyl-tert-butyl ether	73	7.736	7.736	(0.774)	127893	100.000	99
29 1,1-Dichloroethane	63	8.297	8.297	(0.830)	105155	100.000	100
30 Chloroprene	53	8.376	8.376	(0.838)	76609	100.000	100
31 Vinyl acetate	43	8.267	8.267	(0.828)	160711	100.000	100
32 Isopropyl ether	45	8.248	8.248	(0.826)	164946	100.000	100
33 cis-1,2-Dichloroethene	96	8.907	8.907	(0.892)	62241	100.000	100
34 cis-1,2-DCE (part of total)	96	8.907	8.907	(0.892)	62241	100.000	100
35 2,2-Dichloropropane	77	8.898	8.898	(0.891)	85465	100.000	100
36 Propionitrile	54	8.986	8.986	(0.899)	261663	5000.00	5100
37 2-butanone	43	8.888	8.888	(0.890)	42696	250.000	240
38 Methacrylonitrile	41	9.124	9.124	(0.913)	235635	1000.00	1000
39 Bromochloromethane	128	9.163	9.163	(0.917)	26450	100.000	100
40 Chloroform	83	9.203	9.203	(0.921)	102527	100.000	100
41 1,1,1-Trichloroethane	97	9.400	9.400	(0.941)	86275	100.000	100
42 Cyclohexane	56	9.439	9.439	(0.945)	69657	100.000	110
43 1,1-dichloropropene	75	9.537	9.537	(0.955)	78840	100.000	110
44 Carbon Tetrachloride	117	9.547	9.547	(0.956)	70213	100.000	110
45 1,2-Dichloroethane	62	9.774	9.774	(0.978)	73654	100.000	100
46 Isobutyl alcohol	43	9.547	9.547	(0.956)	79945	5000.00	5200
47 Benzene	78	9.754	9.754	(0.976)	206153	100.000	100
48 Trichloroethene	130	10.335	10.335	(1.034)	53693	100.000	100
49 Methylcyclohexane	83	10.502	10.502	(1.051)	59611	100.000	110
50 1,2-Dichloropropane	63	10.571	10.571	(1.058)	54318	100.000	100
51 Dibromomethane	174	10.729	10.729	(1.074)	30783	100.000	100
52 1,4-dioxane	88	10.670	10.670	(1.068)	20193	5000.00	4800
53 Methylmethacrylate	69	10.542	10.542	(1.055)	300295	1000.00	1000
54 Bromodichloromethane	83	10.827	10.827	(1.084)	72839	100.000	100
55 2-chloroethyl vinyl ether	63	11.014	11.014	(1.102)	12069	100.000	100
56 cis-1,3-Dichloropropene	75	11.241	11.241	(1.125)	87511	100.000	100
57 4-Methyl-2-pentanone	43	11.319	11.319	(0.873)	90954	250.000	240
58 Toluene	92	11.595	11.595	(0.894)	127912	100.000	100
59 trans-1,3-Dichloropropene	75	11.782	11.782	(0.909)	78614	100.000	100
60 1,1,2-Trichloroethane	97	11.999	11.999	(0.926)	41481	100.000	100
61 Ethylmethacrylate	69	11.733	11.733	(0.905)	569688	1000.00	1100
62 1,3-Dichloropropane	76	12.176	12.176	(0.939)	71706	100.000	100

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.156	12.156	(0.938)	37682	100.000	110
64	2-hexanone	43	12.137	12.137	(0.936)	65102	250.000	240
65	Dibromochloromethane	129	12.432	12.432	(0.959)	46681	100.000	99
66	1,2-Dibromoethane	107	12.580	12.580	(0.970)	46677	100.000	100
67	Chlorobenzene	112	12.993	12.993	(1.002)	139400	100.000	110
69	1,1,1,2-Tetrachloroethane	131	13.042	13.042	(1.006)	46375	100.000	100
70	Ethylbenzene	106	13.023	13.023	(1.005)	67341	100.000	110
71	m,p-Xylene	106	13.121	13.121	(1.012)	168911	200.000	210
72	m,p-Xylene (part of total)	106	13.121	13.121	(1.012)	168911	200.000	210
73	o-Xylene	106	13.505	13.505	(1.042)	82296	100.000	110
74	o-Xylene (part of total)	106	13.505	13.505	(1.042)	82296	100.000	110
75	Styrene	104	13.515	13.515	(1.043)	143925	100.000	100
76	Bromoform	173	13.771	13.771	(1.062)	31248	100.000	100
78	Isopropyl Benzene	105	13.791	13.791	(1.064)	196622	100.000	110
79	1,1,2,2-Tetrachloroethane	83	14.076	14.076	(0.935)	60033	100.000	100
80	1,2,3-Trichloropropane	110	14.155	14.155	(1.092)	15475	100.000	110
81	Bromobenzene	156	14.174	14.174	(1.093)	53135	100.000	110
82	trans-1,4-dichloro-2-butene	53	14.115	14.115	(1.089)	723474	400.000	430
83	n-Propyl Benzene	91	14.155	14.155	(0.940)	295263	100.000	100
84	2-Chlorotoluene	126	14.302	14.302	(0.950)	47380	100.000	110
85	4-Chlorotoluene	126	14.391	14.391	(0.956)	49700	100.000	110
86	1,3,5-Trimethyl Benzene	105	14.283	14.283	(0.949)	168842	100.000	110
87	Pentachloroethane	167	14.696	14.696	(0.976)	25349	100.000	100
88	tert-Butyl Benzene	119	14.598	14.598	(0.970)	141821	100.000	100
89	1,2,4-Trimethyl Benzene	105	14.637	14.637	(0.973)	174544	100.000	110
90	sec-Butyl Benzene	105	14.795	14.795	(0.983)	204640	100.000	110
91	1,3-Dichlorobenzene	146	15.001	15.001	(0.997)	94598	100.000	100
92	p-Isopropyl Toluene	119	14.893	14.893	(0.990)	157970	100.000	100
93	1,4-Dichlorobenzene	146	15.070	15.070	(1.001)	98514	100.000	110
94	1,2-Dichlorobenzene	146	15.454	15.454	(1.027)	87630	100.000	110
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.287	15.287	(1.016)	167644	100.000	110
96	1,2-Dibromo-3-Chloropropane	157	16.242	16.242	(1.079)	9145	100.000	99
97	1,2,4-Trichlorobenzene	180	17.138	17.138	(1.139)	56764	100.000	100
98	Hexachlorobutadiene	225	17.236	17.236	(1.145)	26229	100.000	100
99	Naphthalene	128	17.482	17.482	(1.162)	123652	100.000	98
100	1,2,3-Trichlorobenzene	180	17.788	17.788	(1.182)	49964	100.000	100
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				121461	200.000	210
M 102	Xylene (total)	106				251207	300.000	320

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Date : 24-MAR-2006 17:17
Client ID: VSTD050
Sample Info: VSTD050:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 24-MAR-2006 17:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD050:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 17:17 Cal File: GV060324A59.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.986	9.986	(1.000)	475460	250.000	
*	2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	317456	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	151261	250.000	
$	4 Dibromofluoromethane	113	9.366	9.366	(0.938)	144540	250.000	240
$	5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	149887	250.000	230
$	6 Toluene-d8	98	11.522	11.522	(0.889)	445878	250.000	230
$	7 Bromofluorobenzene	95	13.993	13.993	(0.930)	186941	250.000	230
	8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	199507	250.000	250
	9 Chloromethane	50	4.374	4.374	(0.438)	140236	250.000	240
	10 Vinyl Chloride	62	4.621	4.621	(0.463)	102411	250.000	240
	11 Bromomethane	94	5.359	5.359	(0.537)	93440	250.000	240
	12 Chloroethane	64	5.546	5.546	(0.555)	52194	250.000	240
	13 Trichlorofluoromethane	101	5.979	5.979	(0.599)	215354	250.000	250
	14 Acrolein	56	6.678	6.678	(0.669)	159246	2500.00	2400
	15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	118253	250.000	240

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

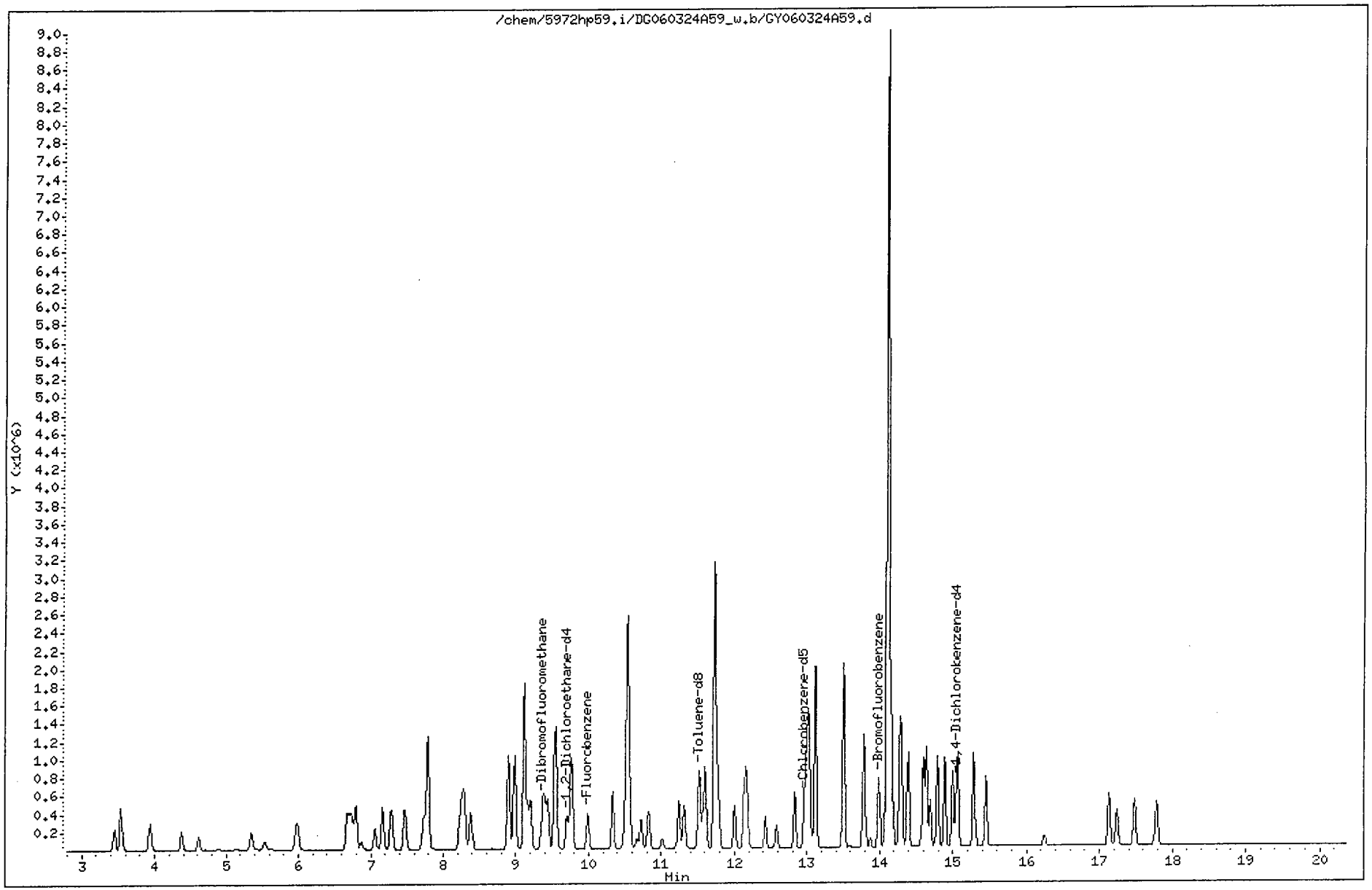
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
16	1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	54229	250.000	260
17	Acetone	43	6.875	6.875	(0.688)	66711	625.000	610
18	Iodomethane	142	7.062	7.062	(0.707)	193533	250.000	260
19	1,1,2-trichloro-1,2,2-trifluo	101	6.737	6.737	(0.675)	138119	250.000	250
20	Carbon disulfide	76	7.161	7.161	(0.717)	434699	250.000	240
21	3-Chloropropene	76	7.289	7.289	(0.730)	68115	250.000	250
22	Acetonitrile	41	7.289	7.289	(0.730)	175051	250.000	240
23	Methyl acetate	43	7.279	7.279	(0.729)	70928	250.000	240
24	Methylene Chloride	84	7.476	7.476	(0.749)	138450	250.000	240
25	Acrylonitrile	53	7.791	7.791	(0.780)	343762	2500.00	2500
26	trans-1,2-Dichloroethene	96	7.801	7.801	(0.781)	138214	250.000	240
27	trans-1,2-DCE (part of total)	96	7.801	7.801	(0.781)	138214	250.000	240
28	Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	320157	250.000	250
29	1,1-Dichloroethane	63	8.303	8.303	(0.831)	249123	250.000	250
30	Chloroprene	53	8.381	8.381	(0.839)	186632	250.000	250
31	Vinyl acetate	43	8.273	8.273	(0.828)	388019	250.000	250
32	Isopropyl ether	45	8.244	8.244	(0.826)	400790	250.000	250
33	cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	148913	250.000	250
34	cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	148913	250.000	250
35	2,2-Dichloropropane	77	8.903	8.903	(0.892)	203384	250.000	250
36	Propionitrile	54	8.982	8.982	(0.899)	626589	12500.0	12000
37	2-butanone	43	8.883	8.883	(0.890)	105502	625.000	600
38	Methacrylonitrile	41	9.120	9.120	(0.913)	557881	2500.00	2500
39	Bromochloromethane	128	9.169	9.169	(0.918)	63959	250.000	250
40	Chloroform	83	9.208	9.208	(0.922)	253701	250.000	250
41	1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	209609	250.000	250
42	Cyclohexane	56	9.435	9.435	(0.945)	168342	250.000	260
43	1,1-dichloropropene	75	9.533	9.533	(0.955)	183050	250.000	250
44	Carbon Tetrachloride	117	9.553	9.553	(0.957)	164474	250.000	250
45	1,2-Dichloroethane	62	9.779	9.779	(0.979)	180540	250.000	250
46	Isobutyl alcohol	43	9.543	9.543	(0.956)	187292	12500.0	12000
47	Benzene	78	9.750	9.750	(0.976)	495519	250.000	250
48	Trichloroethene	130	10.331	10.331	(1.034)	127332	250.000	250
49	Methylcyclohexane	83	10.508	10.508	(1.052)	136803	250.000	250
50	1,2-Dichloropropane	63	10.567	10.567	(1.058)	133040	250.000	250
51	Dibromomethane	174	10.724	10.724	(1.074)	74491	250.000	250
52	1,4-dioxane	88	10.665	10.665	(1.068)	51863	12500.0	12000
53	Methylmethacrylate	69	10.537	10.537	(1.055)	720901	2500.00	2500
54	Bromodichloromethane	83	10.823	10.823	(1.084)	176888	250.000	250
55	2-chloroethyl vinyl ether	63	11.020	11.020	(1.103)	28977	250.000	250
56	cis-1,3-Dichloropropene	75	11.236	11.236	(1.125)	212687	250.000	250
57	4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	231493	625.000	620
58	Toluene	92	11.591	11.591	(0.894)	313038	250.000	250
59	trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	191214	250.000	250
60	1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	101445	250.000	250
61	Ethylmethacrylate	69	11.739	11.739	(0.906)	1366176	2500.00	2600
62	1,3-Dichloropropane	76	12.172	12.172	(0.939)	174389	250.000	250

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.152	12.152	(0.938)	89018	250.000	260
64 2-hexanone	43	12.132	12.132	(0.936)	164609	625.000	620
65 Dibromochloromethane	129	12.438	12.438	(0.960)	118961	250.000	260
66 1,2-Dibromoethane	107	12.585	12.585	(0.971)	112671	250.000	250
67 Chlorobenzene	112	12.989	12.989	(1.002)	328657	250.000	250
69 1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	114949	250.000	260
70 Ethylbenzene	106	13.018	13.018	(1.005)	160465	250.000	260
71 m,p-Xylene	106	13.117	13.117	(1.012)	402512	500.000	520
72 m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	402512	500.000	520
73 o-Xylene	106	13.501	13.501	(1.042)	198412	250.000	260
74 o-Xylene (part of total)	106	13.501	13.501	(1.042)	198412	250.000	260
75 Styrene	104	13.511	13.511	(1.043)	355693	250.000	260
76 Bromoform	173	13.776	13.776	(1.063)	77025	250.000	250
78 Isopropyl Benzene	105	13.786	13.786	(1.064)	463373	250.000	260
79 1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	138765	250.000	250
80 1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	36095	250.000	250
81 Bromobenzene	156	14.170	14.170	(1.093)	127178	250.000	260
82 trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	1549615	1000.00	930
83 n-Propyl Benzene	91	14.151	14.151	(0.940)	610012	250.000	190
84 2-Chlorotoluene	126	14.298	14.298	(0.950)	112611	250.000	260
85 4-Chlorotoluene	126	14.387	14.387	(0.956)	116323	250.000	260
86 1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	392966	250.000	260
87 Pentachloroethane	167	14.702	14.702	(0.977)	62563	250.000	260
88 tert-Butyl Benzene	119	14.594	14.594	(0.970)	333920	250.000	260
89 1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	409569	250.000	260
90 sec-Butyl Benzene	105	14.790	14.790	(0.983)	479559	250.000	260
91 1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	222269	250.000	250
92 p-Isopropyl Toluene	119	14.899	14.899	(0.990)	372403	250.000	260
93 1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	228405	250.000	260
94 1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	204027	250.000	250
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.283	15.283	(1.016)	393559	250.000	250
96 1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	22407	250.000	250
97 1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	135252	250.000	250
98 Hexachlorobutadiene	225	17.242	17.242	(1.146)	65195	250.000	260
99 Naphthalene	128	17.488	17.488	(1.162)	304113	250.000	250
100 1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	121903	250.000	260
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				287127	500.000	490
M 102 Xylene (total)	106				600924	750.000	780

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Date : 24-MAR-2006 18:40
Client ID: VSTD100
Sample Info: VSTD100:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 24-MAR-2006 18:40
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD100:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.987	9.987	(1.000)	500262	250.000	
*	2 Chlorobenzene-d5	117	12.960	12.960	(1.000)	329384	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.047	15.047	(1.000)	156009	250.000	
$	4 Dibromofluoromethane	113	9.367	9.367	(0.938)	305167	500.000	470
$	5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	315214	500.000	470
$	6 Toluene-d8	98	11.523	11.523	(0.889)	928875	500.000	470
$	7 Bromofluorobenzene	95	13.984	13.984	(0.929)	387247	500.000	470
	8 Dichlorodifluoromethane	85	3.932	3.932	(0.394)	413379	500.000	480
	9 Chloromethane	50	4.375	4.375	(0.438)	300043	500.000	490
	10 Vinyl Chloride	62	4.621	4.621	(0.463)	222309	500.000	500
	11 Bromomethane	94	5.350	5.350	(0.536)	195649	500.000	510
	12 Chloroethane	64	5.537	5.537	(0.554)	111692	500.000	510
	13 Trichlorofluoromethane	101	5.980	5.980	(0.599)	437920	500.000	480
	14 Acrolein	56	6.669	6.669	(0.668)	349465	5000.00	5100
	15 1,1-Dichloroethene	96	6.797	6.797	(0.681)	251719	500.000	480

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

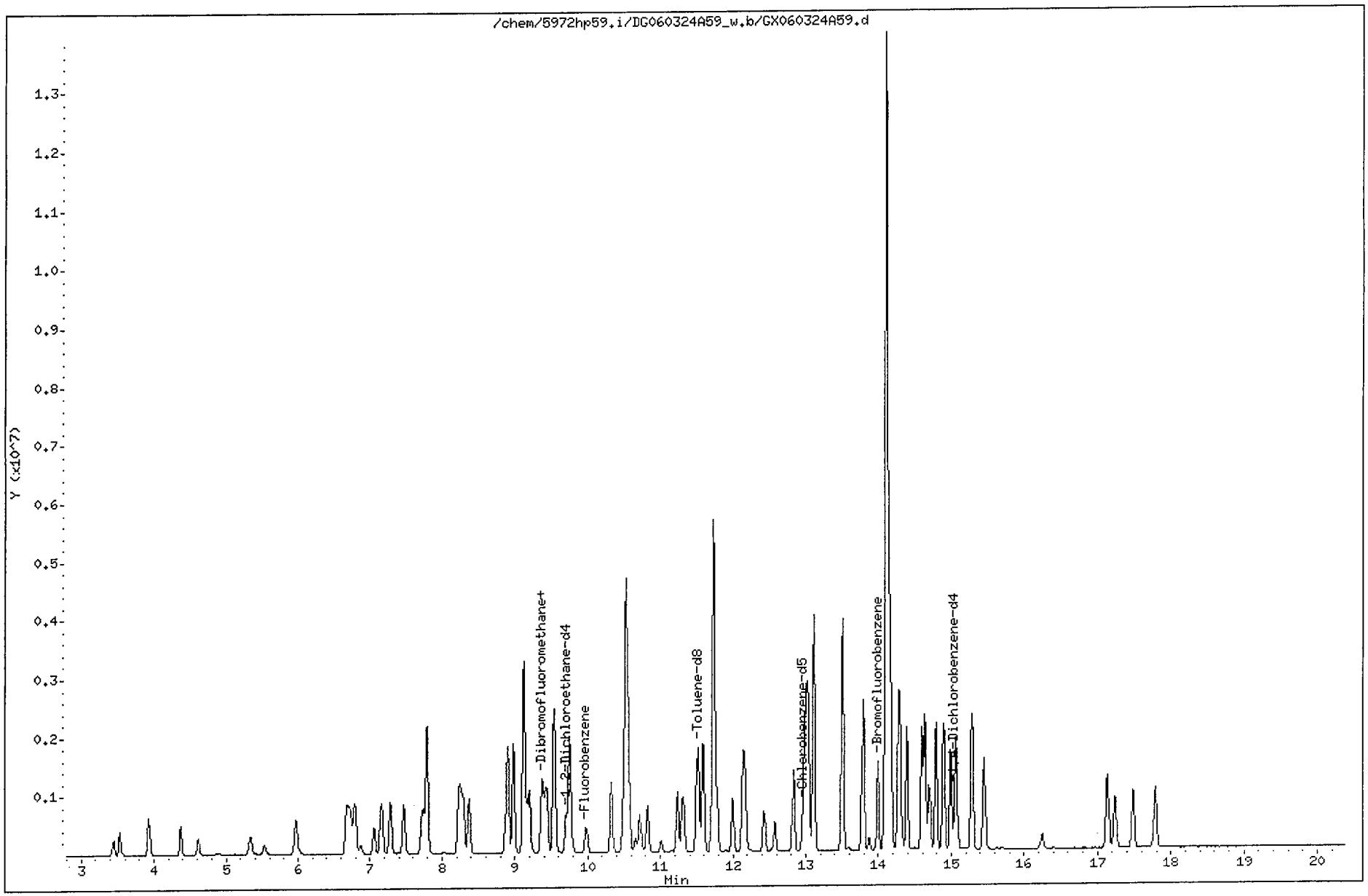
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.709	6.709	(0.672)	111200	500.000	500
17 Acetone	43	6.876	6.876	(0.688)	142391	1250.00	1300
18 Iodomethane	142	7.063	7.063	(0.707)	383132	500.000	480
19 1,1,2-trichloro-1,2,2-trifluo	101	6.738	6.738	(0.675)	289880	500.000	500
20 Carbon disulfide	76	7.161	7.161	(0.717)	945384	500.000	500
21 3-Chloropropene	76	7.289	7.289	(0.730)	134775	500.000	470
22 Acetonitrile	41	7.289	7.289	(0.730)	351428	500.000	460
23 Methyl acetate	43	7.280	7.280	(0.729)	156607	500.000	500
24 Methylene Chloride	84	7.477	7.477	(0.749)	290019	500.000	490
25 Acrylonitrile	53	7.792	7.792	(0.780)	737575	5000.00	5000
26 trans-1,2-Dichloroethene	96	7.792	7.792	(0.780)	295805	500.000	490
27 trans-1,2-DCE (part of total)	96	7.792	7.792	(0.780)	295805	500.000	490
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	665762	500.000	490
29 1,1-Dichloroethane	63	8.294	8.294	(0.830)	532044	500.000	500
30 Chloroprene	53	8.382	8.382	(0.839)	378933	500.000	480
31 Vinyl acetate	43	8.274	8.274	(0.828)	828695	500.000	500
32 Isopropyl ether	45	8.244	8.244	(0.826)	837030	500.000	500
33 cis-1,2-Dichloroethene	96	8.914	8.914	(0.893)	308568	500.000	490
34 cis-1,2-DCE (part of total)	96	8.914	8.914	(0.893)	308568	500.000	490
35 2,2-Dichloropropane	77	8.894	8.894	(0.891)	438035	500.000	500
36 Propionitrile	54	8.983	8.983	(0.899)	1320265	25000.0	25000
37 2-butanone	43	8.884	8.884	(0.890)	229156	1250.00	1200
38 Methacrylonitrile	41	9.121	9.121	(0.913)	1141744	5000.00	4800
39 Bromochloromethane	128	9.170	9.170	(0.918)	132071	500.000	490
40 Chloroform	83	9.209	9.209	(0.922)	521904	500.000	500
41 1,1,1-Trichloroethane	97	9.396	9.396	(0.941)	426053	500.000	490
42 Cyclohexane	56	9.436	9.436	(0.945)	367477	500.000	530
43 1,1-dichloropropene	75	9.534	9.534	(0.955)	375155	500.000	490
44 Carbon Tetrachloride	117	9.544	9.544	(0.956)	340259	500.000	500
45 1,2-Dichloroethane	62	9.770	9.770	(0.978)	368988	500.000	490
46 Isobutyl alcohol	43	9.544	9.544	(0.956)	393378	25000.0	24000
47 Benzene	78	9.751	9.751	(0.976)	1016135	500.000	480
48 Trichloroethene	130	10.332	10.332	(1.034)	265373	500.000	490
49 Methylcyclohexane	83	10.499	10.499	(1.051)	302328	500.000	530
50 1,2-Dichloropropane	63	10.568	10.568	(1.058)	270004	500.000	490
51 Dibromomethane	174	10.725	10.725	(1.074)	153970	500.000	490
52 1,4-dioxane	88	10.666	10.666	(1.068)	107934	25000.0	25000
53 Methylmethacrylate	69	10.538	10.538	(1.055)	1460633	5000.00	4900
54 Bromodichloromethane	83	10.824	10.824	(1.084)	368085	500.000	500
55 2-chloroethyl vinyl ether	63	11.011	11.011	(1.103)	60322	500.000	500
56 cis-1,3-Dichloropropene	75	11.237	11.237	(1.125)	447876	500.000	500
57 4-Methyl-2-pentanone	43	11.316	11.316	(0.873)	518882	1250.00	1300
58 Toluene	92	11.592	11.592	(0.894)	638367	500.000	500
59 trans-1,3-Dichloropropene	75	11.779	11.779	(0.909)	391095	500.000	500
60 1,1,2-Trichloroethane	97	11.995	11.995	(0.926)	212474	500.000	500
61 Ethylmethacrylate	69	11.730	11.730	(0.905)	2681028	5000.00	4900
62 1,3-Dichloropropane	76	12.173	12.173	(0.939)	362128	500.000	500

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.153	12.153	(0.938)	185906	500.000	520
64	2-hexanone	43	12.133	12.133	(0.936)	359412	1250.00	1300
65	Dibromochloromethane	129	12.429	12.429	(0.959)	249436	500.000	520
66	1,2-Dibromoethane	107	12.576	12.576	(0.970)	235742	500.000	500
67	Chlorobenzene	112	12.990	12.990	(1.002)	672494	500.000	500
69	1,1,1,2-Tetrachloroethane	131	13.039	13.039	(1.006)	234174	500.000	510
70	Ethylbenzene	106	13.019	13.019	(1.005)	338562	500.000	520
71	m,p-Xylene	106	13.118	13.118	(1.012)	840018	1000.00	1000
72	m,p-Xylene (part of total)	106	13.118	13.118	(1.012)	840018	1000.00	1000
73	o-Xylene	106	13.502	13.502	(1.042)	411408	500.000	520
74	o-Xylene (part of total)	106	13.502	13.502	(1.042)	411408	500.000	520
75	Styrene	104	13.511	13.511	(1.043)	735209	500.000	520
76	Bromoform	173	13.777	13.777	(1.063)	163412	500.000	510
78	Isopropyl Benzene	105	13.787	13.787	(1.064)	1000314	500.000	530
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	277780	500.000	490
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	71419	500.000	480
81	Bromobenzene	156	14.171	14.171	(1.093)	253029	500.000	490
82	trans-1,4-dichloro-2-butene	53	14.112	14.112	(1.089)	2688922	2000.00	1600
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	1797088	500.000	530
84	2-Chlorotoluene	126	14.299	14.299	(0.950)	234951	500.000	530
85	4-Chlorotoluene	126	14.388	14.388	(0.956)	244581	500.000	530
86	1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	839220	500.000	540
87	Pentachloroethane	167	14.693	14.693	(0.976)	126959	500.000	500
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	715619	500.000	530
89	1,2,4-Trimethyl Benzene	105	14.644	14.644	(0.973)	879857	500.000	540
90	sec-Butyl Benzene	105	14.791	14.791	(0.983)	1021234	500.000	530
91	1,3-Dichlorobenzene	146	14.998	14.998	(0.997)	474789	500.000	530
92	p-Isopropyl Toluene	119	14.890	14.890	(0.990)	790980	500.000	530
93	1,4-Dichlorobenzene	146	15.067	15.067	(1.001)	478593	500.000	520
94	1,2-Dichlorobenzene	146	15.451	15.451	(1.027)	430000	500.000	520
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.284	15.284	(1.016)	829051	500.000	500
96	1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	49171	500.000	540
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	291671	500.000	530
98	Hexachlorobutadiene	225	17.233	17.233	(1.145)	135533	500.000	490
99	Naphthalene	128	17.479	17.479	(1.162)	672817	500.000	540
100	1,2,3-Trichlorobenzene	180	17.784	17.784	(1.182)	263124	500.000	540
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				604373	1000.00	980
M 102	Xylene (total)	106				1251426	1500.00	1600

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Date : 24-MAR-2006 18:13
Client ID: VSTD200
Sample Info: VSTD200:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 24-MAR-2006 18:13
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD200:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:13 Cal File: GX060324A59.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.976	9.976	(1.000)	485257	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	329350	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	152463	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.939)	549241	1000.00	880
$ 5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.972)	580364	1000.00	880
$ 6 Toluene-d8	98	11.512	11.512	(0.888)	1765949	1000.00	890
$ 7 Bromofluorobenzene	95	13.983	13.983	(0.929)	744178	1000.00	920
8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	824960	1000.00	990
9 Chloromethane	50	4.365	4.365	(0.437)	607339	1000.00	1000(A)
10 Vinyl Chloride	62	4.611	4.611	(0.462)	414936	1000.00	970
11 Bromomethane	94	5.329	5.329	(0.534)	355410	1000.00	1000
12 Chloroethane	64	5.526	5.526	(0.554)	198988	1000.00	1000
13 Trichlorofluoromethane	101	5.969	5.969	(0.598)	868183	1000.00	980
14 Acrolein	56	6.668	6.668	(0.668)	629477	10000.0	9500
15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	472100	1000.00	930

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.698	6.698	(0.671)	218222	1000.00	1000 (A)
17 Acetone	43	6.875	6.875	(0.689)	269912	2500.00	2500
18 Iodomethane	142	7.052	7.052	(0.707)	719122	1000.00	940
19 1,1,2-trichloro-1,2,2-trifluo	101	6.727	6.727	(0.674)	558763	1000.00	1000 (A)
20 Carbon disulfide	76	7.161	7.161	(0.718)	1764817	1000.00	970
21 3-Chloropropene	76	7.289	7.289	(0.731)	278709	1000.00	1000 (A)
22 Acetonitrile	41	7.279	7.279	(0.730)	735383	1000.00	1000 (A)
23 Methyl acetate	43	7.269	7.269	(0.729)	283692	1000.00	940
24 Methylene Chloride	84	7.466	7.466	(0.748)	542054	1000.00	940
25 Acrylonitrile	53	7.781	7.781	(0.780)	1306069	10000.0	9200
26 trans-1,2-Dichloroethene	96	7.791	7.791	(0.781)	534568	1000.00	920
27 trans-1,2-DCE (part of total)	96	7.791	7.791	(0.781)	534568	1000.00	920
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.775)	1277565	1000.00	980
29 1,1-Dichloroethane	63	8.293	8.293	(0.831)	992561	1000.00	960
30 Chloroprene	53	8.372	8.372	(0.839)	788114	1000.00	1000 (A)
31 Vinyl acetate	43	8.263	8.263	(0.828)	1571276	1000.00	990
32 Isopropyl ether	45	8.234	8.234	(0.825)	1630568	1000.00	1000
33 cis-1,2-Dichloroethene	96	8.903	8.903	(0.892)	569328	1000.00	930
34 cis-1,2-DCE (part of total)	96	8.903	8.903	(0.892)	569328	1000.00	930
35 2,2-Dichloropropane	77	8.893	8.893	(0.891)	797510	1000.00	940
36 Propionitrile	54	8.982	8.982	(0.900)	2419908	50000.0	47000
37 2-butanone	43	8.874	8.874	(0.889)	422639	2500.00	2400
38 Methacrylonitrile	41	9.120	9.120	(0.914)	2079872	10000.0	9100
39 Bromochloromethane	128	9.169	9.169	(0.919)	242623	1000.00	930
40 Chloroform	83	9.198	9.198	(0.922)	982171	1000.00	960
41 1,1,1-Trichloroethane	97	9.386	9.386	(0.941)	822967	1000.00	970
42 Cyclohexane	56	9.435	9.435	(0.946)	739556	1000.00	1100 (A)
43 1,1-dichloropropene	75	9.523	9.523	(0.955)	700330	1000.00	940
44 Carbon Tetrachloride	117	9.543	9.543	(0.957)	650506	1000.00	980
45 1,2-Dichloroethane	62	9.770	9.770	(0.979)	712094	1000.00	980
46 Isobutyl alcohol	43	9.543	9.543	(0.957)	747024	50000.0	48000
47 Benzene	78	9.750	9.750	(0.977)	1945748	1000.00	950
48 Trichloroethene	130	10.331	10.331	(1.036)	512219	1000.00	970
49 Methylcyclohexane	83	10.498	10.498	(1.052)	652958	1000.00	1200 (A)
50 1,2-Dichloropropane	63	10.567	10.567	(1.059)	509397	1000.00	950
51 Dibromomethane	174	10.724	10.724	(1.075)	295788	1000.00	960
52 1,4-dioxane	88	10.656	10.656	(1.068)	226578	50000.0	53000 (A)
53 Methylmethacrylate	69	10.528	10.528	(1.055)	2622819	10000.0	9000
54 Bromodichloromethane	83	10.823	10.823	(1.085)	722433	1000.00	1000 (A)
55 2-chloroethyl vinyl ether	63	11.010	11.010	(1.104)	117468	1000.00	1000 (A)
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.126)	865993	1000.00	1000
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	990520	2500.00	2500 (A)
58 Toluene	92	11.591	11.591	(0.894)	1238718	1000.00	970
59 trans-1,3-Dichloropropene	75	11.778	11.778	(0.909)	771997	1000.00	990
60 1,1,2-Trichloroethane	97	11.994	11.994	(0.926)	407955	1000.00	970
61 Ethylmethacrylate	69	11.729	11.729	(0.905)	4764191	10000.0	8600
62 1,3-Dichloropropane	76	12.172	12.172	(0.939)	701942	1000.00	960

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	363921	1000.00	1000 (A)
64	2-hexanone	43	12.132	12.132	(0.936)	690532	2500.00	2500 (A)
65	Dibromochloromethane	129	12.428	12.428	(0.959)	491219	1000.00	1000 (A)
66	1,2-Dibromoethane	107	12.575	12.575	(0.970)	465287	1000.00	990
67	Chlorobenzene	112	12.989	12.989	(1.002)	1301109	1000.00	970
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	452497	1000.00	980
70	Ethylbenzene	106	13.018	13.018	(1.005)	643443	1000.00	990
71	m,p-Xylene	106	13.107	13.107	(1.011)	1573430	2000.00	2000
72	m,p-Xylene (part of total)	106	13.107	13.107	(1.011)	1573430	2000.00	2000
73	o-Xylene	106	13.491	13.491	(1.041)	776821	1000.00	980
74	o-Xylene (part of total)	106	13.491	13.491	(1.041)	776821	1000.00	980
75	Styrene	104	13.501	13.501	(1.042)	1397185	1000.00	990
76	Bromoform	173	13.776	13.776	(1.063)	330733	1000.00	1000 (A)
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	2042453	1000.00	1100 (A)
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	513014	1000.00	920
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	129491	1000.00	870
81	Bromobenzene	156	14.170	14.170	(1.093)	482595	1000.00	940
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	4386038	4000.00	2500 (A)
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	3103820	1000.00	990
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	455888	1000.00	1000 (A)
85	4-Chlorotoluene	126	14.387	14.387	(0.956)	487543	1000.00	1100 (A)
86	1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	1684626	1000.00	1100 (A)
87	Pentachloroethane	167	14.702	14.702	(0.977)	269717	1000.00	1100 (A)
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	1506519	1000.00	1100 (A)
89	1,2,4-Trimethyl Benzene	105	14.633	14.633	(0.973)	1769817	1000.00	1100 (A)
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	2236580	1000.00	1200 (A)
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	953616	1000.00	1100 (A)
92	p-Isopropyl Toluene	119	14.889	14.889	(0.990)	1703162	1000.00	1200 (A)
93	1,4-Dichlorobenzene	146	15.066	15.066	(1.001)	951893	1000.00	1100 (A)
94	1,2-Dichlorobenzene	146	15.450	15.450	(1.027)	862975	1000.00	1100 (A)
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	1826933	1000.00	1000 (A)
96	1,2-Dibromo-3-Chloropropane	157	16.247	16.247	(1.080)	102389	1000.00	1100 (A)
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	627692	1000.00	1200 (A)
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	309368	1000.00	1000 (A)
99	Naphthalene	128	17.478	17.478	(1.162)	1330154	1000.00	1100 (A)
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	563018	1000.00	1200 (A)
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				1103896	2000.00	1800
M 102	Xylene (total)	106				2350251	3000.00	2900

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

COMPUCHEM a division of Liberty Analytical Corp DATE 3/24/06 INITIAL TIME OF TUNE 1529 SHIFT/S(A) ✓ (B)____(C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0329 LINKER /METHOD 8260B SW

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE retuned after 1st BFB

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL *	DF+	CHEMIST	COMMENTS(ELC.)/ DISPOSITION
1	\	BG060324A59	SP	—	—	3/24/06	1444	BFB	—	2uL	—	2473	176/ow
2		BG060324A59	\	—	—	/ /	1529	BFB	—	↓	—		
3		GS060324A59	/	—	—	/ /	1553	VSTD005	—	10ml	—		
4		GT060324A59	/	—	—	/ /	1621	VSTD010	—		—		ICAL
5		GU060324A59	/	—	—	/ /	1649	VSTD020	—		—		Passes
6		GV060324A59	/	—	—	/ /	1717	VSTD050	—		—		
7	\	GW060324A59	IM	—	—	/ /	1745	VSTD100	—		—		
8		GX060324A59	/	—	—	/ /	1813	VSTD200	—		—		
9		GY060324A59	/	—	—	/ /	1840	VSTD100	—		—	↓	
10		GC060324A59				/ /		VIBLKAC	—				
11						/ /							
12						/ /							
13						/ /							
14						/ /							
15						/ /							
16						/ /							
17						/ /							
18						/ /						dw	
19						/ /						3-24-06	
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL dw Date 3-24-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

b. Continuing Calibration Data (Form VII VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Reconstructed Ion Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/25/06 Time: 2050

Lab File ID: GT060325B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.4275700	0.4195080	0.4195080	0.001	-1.88	25.00	AVRG	
Chloromethane	0.3069100	0.3053579	0.3053579	0.1	-0.50	25.00	AVRG	
Vinyl Chloride	0.2203800	0.2231053	0.2231053	0.001	1.24	20.00	AVRG	
Bromomethane	223.10873	250.00000	0.1814219	0.001	-10.76	25.00	2RDR	
Chloroethane	232.82514	250.00000	0.1074756	0.001	-6.87	25.00	2RDR	
Trichlorofluoromethane	0.4572100	0.4710124	0.4710124	0.001	3.02	25.00	AVRG	
1,1-Dichloroethene	0.2623400	0.2507655	0.2507655	0.001	-4.41	20.00	AVRG	
Carbon disulfide	0.9399600	0.9488327	0.9488327	0.001	0.94	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.2718425	0.2718425	0.001	-5.46	25.00	AVRG	
Acetone	808.02121	625.00000	0.0738714	0.001	29.28	25.00	2RDR	<-
Methylene Chloride	0.2972500	0.3003924	0.3003924	0.001	1.06	25.00	AVRG	
trans-1,2-Dichloroethene	0.2991000	0.2810689	0.2810689	0.001	-6.03	25.00	AVRG	
Methyl-tert-butyl ether	0.6731400	0.7280334	0.7280334	0.001	8.15	25.00	AVRG	
1,1-Dichloroethane	0.5318900	0.5447526	0.5447526	0.1	2.42	25.00	AVRG	
cis-1,2-Dichloroethene	0.3161300	0.3033937	0.3033937	0.001	-4.03	25.00	AVRG	
2-butanone	0.0924300	0.1019038	0.1019038	0.001	10.25	25.00	AVRG	
Chloroform	0.5259900	0.5439684	0.5439684	0.001	3.42	20.00	AVRG	
1,1,1-Trichloroethane	0.4363600	0.4517638	0.4517638	0.001	3.53	25.00	AVRG	
Carbon Tetrachloride	0.3421000	0.3617060	0.3617060	0.001	5.73	25.00	AVRG	
Benzene	1.0496800	1.0345431	1.0345431	0.001	-1.44	25.00	AVRG	
1,2-Dichloroethane	0.3744300	0.4152776	0.4152776	0.001	10.91	25.00	AVRG	
Trichloroethene	0.2715900	0.2505291	0.2505291	0.001	-7.75	25.00	AVRG	
1,2-Dichloropropane	0.2754500	0.2859548	0.2859548	0.001	3.81	20.00	AVRG	
Bromodichloromethane	0.3712300	0.3840636	0.3840636	0.001	3.46	25.00	AVRG	
cis-1,3-Dichloropropene	0.4471900	0.4249838	0.4249838	0.001	-4.96	25.00	AVRG	
4-Methyl-2-pentanone	0.2958300	0.3271727	0.3271727	0.001	10.59	25.00	AVRG	
Toluene	0.9698300	0.9782054	0.9782054	0.001	0.86	20.00	AVRG	
trans-1,3-Dichloropropene	0.5916500	0.5977951	0.5977951	0.001	1.04	25.00	AVRG	
1,1,2-Trichloroethane	0.3195200	0.3324338	0.3324338	0.001	4.04	25.00	AVRG	
Tetrachloroethene	0.2714000	0.2736906	0.2736906	0.001	0.84	25.00	AVRG	
2-hexanone	0.2080000	0.2361622	0.2361622	0.001	13.54	25.00	AVRG	
Dibromochloromethane	0.3656700	0.3729994	0.3729994	0.001	2.00	25.00	AVRG	
1,2-Dibromoethane	0.3581000	0.3736882	0.3736882	0.001	4.35	25.00	AVRG	
Chlorobenzene	1.0222400	1.0525085	1.0525085	0.3	2.96	25.00	AVRG	
Ethylbenzene	0.4911400	0.5196452	0.5196452	0.001	5.80	20.00	AVRG	
Styrene	1.0685100	1.1263842	1.1263842	0.001	5.42	25.00	AVRG	
Bromoform	0.2408400	0.2486886	0.2486886	0.1	3.26	25.00	AVRG	
Isopropyl Benzene	1.4270900	1.6762452	1.6762452	0.001	17.46	25.00	AVRG	
1,1,2,2-Tetrachloroethane	0.9152100	0.9965878	0.9965878	0.3	8.89	25.00	AVRG	
1,3-Dichlorobenzene	1.4411300	1.5313955	1.5313955	0.001	6.26	25.00	AVRG	
1,4-Dichlorobenzene	1.4729500	1.5645234	1.5645234	0.001	6.22	25.00	AVRG	
1,2-Dichlorobenzene	1.3266200	1.4837750	1.4837750	0.001	11.85	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/25/06 Time: 2050

Lab File ID: GT060325B59 Init. Calib. Date(s): 03/24/06 03/24/06

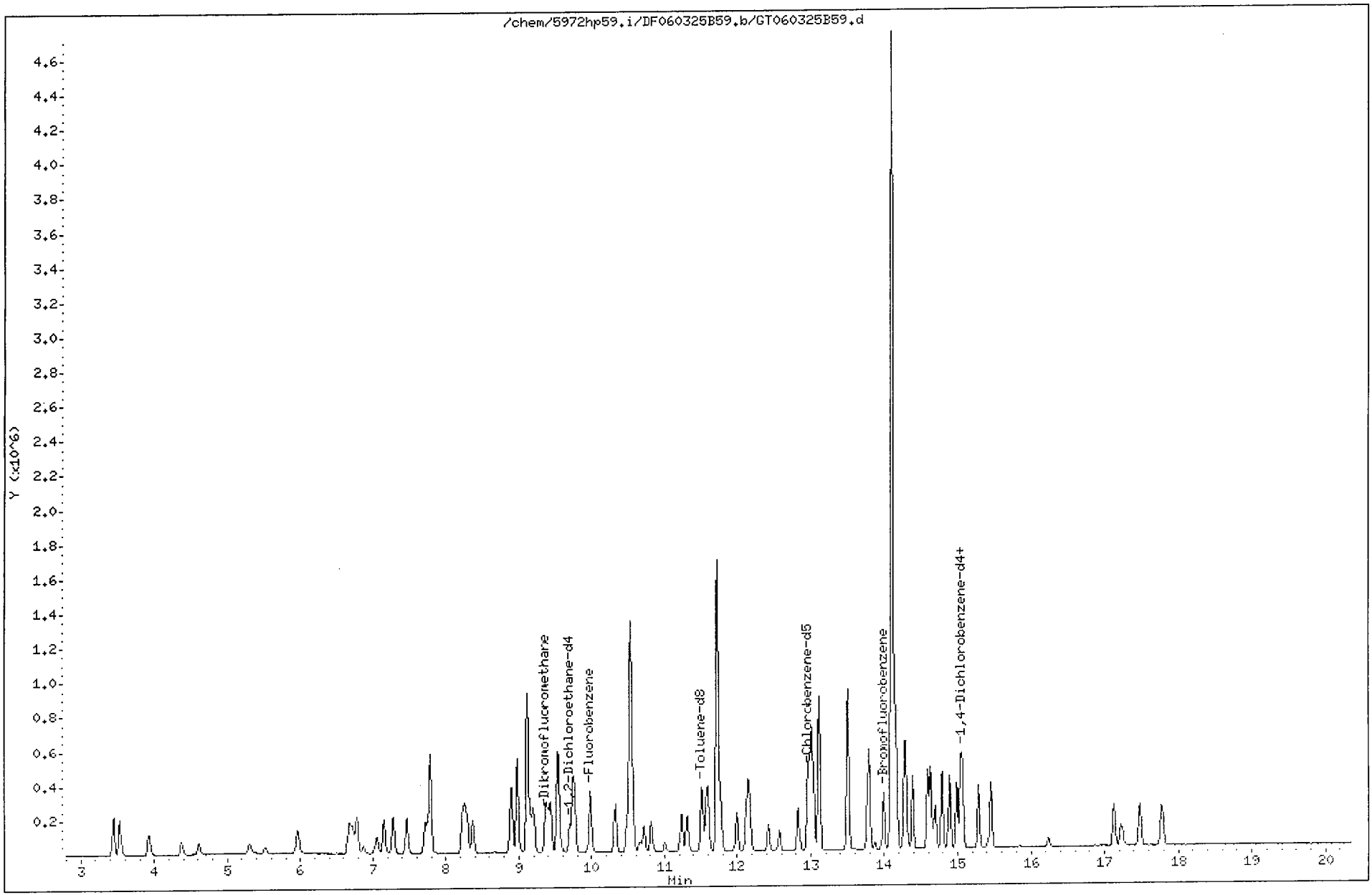
Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1615948	0.1615948	0.001	9.72	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	0.8963678	0.8963678	0.001	1.60	25.00	AVRG	
Xylene (total)	0.6076200	0.6383807	0.6383807	0.001	5.06	25.00	AVRG	
Methyl acetate	0.1551500	0.1804035	0.1804035	0.001	16.28	25.00	AVRG	
Cyclohexane	0.3443300	0.4475990	0.4475990	0.001	29.99	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.3214928	0.3214928	0.001	11.88	25.00	AVRG	
Dibromofluoromethane	0.3228200	0.2875467	0.2875467	0.001	-10.93	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3174099	0.3174099	0.001	-6.16	25.00	AVRG	
Toluene-d8	1.4987000	1.4005871	1.4005871	0.001	-6.55	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.2071664	1.2071664	0.001	-8.55	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Date : 25-MAR-2006 20:50
Client ID: VSTD050
Sample Info: VSTD050:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 25-MAR-2006 20:50
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.976	9.976	(1.000)	427148	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	283097	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	132758	250.000	
$ 4 Dibromofluoromethane	113	9.356	9.356	(0.938)	122825	250.000	220
$ 5 1,2-Dichloroethane-d4	65	9.690	9.690	(0.971)	135581	250.000	230
$ 6 Toluene-d8	98	11.512	11.512	(0.888)	396502	250.000	230
$ 7 Bromofluorobenzene	95	13.983	13.983	(0.929)	160261	250.000	230
8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	179192	250.000	250
9 Chloromethane	50	4.374	4.374	(0.438)	130433	250.000	250
10 Vinyl Chloride	62	4.610	4.610	(0.462)	95299	250.000	250
11 Bromomethane	94	5.309	5.309	(0.532)	77494	250.000	220
12 Chloroethane	64	5.516	5.516	(0.553)	45908	250.000	230
13 Trichlorofluoromethane	101	5.959	5.959	(0.597)	201192	250.000	260
14 Acrolein	56	6.668	6.668	(0.668)	141134	2500.00	2400
15 1,1-Dichloroethene	96	6.786	6.786	(0.680)	107114	250.000	240
16 1,1,1-trichloro-2,2,2-trifluo	117	6.688	6.688	(0.670)	44492	250.000	240

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.875	6.875	(0.689)	78885	625.000	810
18 Iodomethane	142	7.052	7.052	(0.707)	166387	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.717	6.717	(0.673)	116117	250.000	240
20 Carbon disulfide	76	7.150	7.150	(0.717)	405292	250.000	250
21 3-Chloropropene	76	7.278	7.278	(0.730)	62682	250.000	260
22 Acetonitrile	41	7.278	7.278	(0.730)	175235	250.000	270
23 Methyl acetate	43	7.269	7.269	(0.729)	77059	250.000	290
24 Methylene Chloride	84	7.465	7.465	(0.748)	128312	250.000	250
25 Acrylonitrile	53	7.780	7.780	(0.780)	345471	2500.00	2800
26 trans-1,2-Dichloroethene	96	7.790	7.790	(0.781)	120058	250.000	230
27 trans-1,2-DCE (part of total)	96	7.790	7.790	(0.781)	120058	250.000	230
28 Methyl-tert-butyl ether	73	7.731	7.731	(0.775)	310978	250.000	270
29 1,1-Dichloroethane	63	8.292	8.292	(0.831)	232690	250.000	260
30 Chloroprene	53	8.371	8.371	(0.839)	172076	250.000	260
31 Vinyl acetate	43	8.263	8.263	(0.828)	377447	250.000	270
32 Isopropyl ether	45	8.233	8.233	(0.825)	394534	250.000	270
33 cis-1,2-Dichloroethene	96	8.903	8.903	(0.892)	129594	250.000	240
34 cis-1,2-DCE (part of total)	96	8.903	8.903	(0.892)	129594	250.000	240
35 2,2-Dichloropropane	77	8.893	8.893	(0.891)	123324	250.000	170
36 Propionitrile	54	8.982	8.982	(0.900)	684020	12500.0	15000
37 2-butanone	43	8.873	8.873	(0.889)	108820	625.000	690
38 Methacrylonitrile	41	9.110	9.110	(0.913)	610172	2500.00	3000
39 Bromochloromethane	128	9.159	9.159	(0.918)	58105	250.000	250
40 Chloroform	83	9.198	9.198	(0.922)	232355	250.000	260
41 1,1,1-Trichloroethane	97	9.385	9.385	(0.941)	192970	250.000	260
42 Cyclohexane	56	9.425	9.425	(0.945)	191191	250.000	320
43 1,1-dichloropropene	75	9.523	9.523	(0.955)	152643	250.000	230
44 Carbon Tetrachloride	117	9.543	9.543	(0.957)	154502	250.000	260
45 1,2-Dichloroethane	62	9.769	9.769	(0.979)	177385	250.000	280
46 Isobutyl alcohol	43	9.543	9.543	(0.957)	220638	12500.0	16000
47 Benzene	78	9.740	9.740	(0.976)	441903	250.000	250
48 Trichloroethene	130	10.320	10.320	(1.035)	107013	250.000	230
49 Methylcyclohexane	83	10.498	10.498	(1.052)	137325	250.000	280
50 1,2-Dichloropropane	63	10.567	10.567	(1.059)	122145	250.000	260
51 Dibromomethane	174	10.714	10.714	(1.074)	65984	250.000	240
52 1,4-dioxane	88	10.665	10.665	(1.069)	55837	12500.0	15000
53 Methylmethacrylate	69	10.527	10.527	(1.055)	747526	2500.00	2900
54 Bromodichloromethane	83	10.823	10.823	(1.085)	164052	250.000	260
55 2-chloroethyl vinyl ether	63	11.010	11.010	(1.104)	31764	250.000	310
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.126)	181531	250.000	240
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	231554	625.000	690
58 Toluene	92	11.591	11.591	(0.894)	276927	250.000	250
59 trans-1,3-Dichloropropene	75	11.778	11.778	(0.909)	169234	250.000	250
60 1,1,2-Trichloroethane	97	11.994	11.994	(0.926)	94111	250.000	260
61 Ethylmethacrylate	69	11.728	11.728	(0.905)	1387567	2500.00	2900
62 1,3-Dichloropropane	76	12.171	12.171	(0.939)	167328	250.000	270
63 Tetrachloroethene	164	12.142	12.142	(0.937)	77481	250.000	250

Data File: /chem/5972hp59.i/DF060325B59.b/GT060325B59.d
Report Date: 28-Mar-2006 04:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64	2-hexanone	43	12.132	12.132	(0.936)	167142	625.000	710
65	Dibromochloromethane	129	12.427	12.427	(0.959)	105595	250.000	260
66	1,2-Dibromoethane	107	12.575	12.575	(0.970)	105790	250.000	260
67	Chlorobenzene	112	12.988	12.988	(1.002)	297962	250.000	260
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	101694	250.000	260
70	Ethylbenzene	106	13.018	13.018	(1.005)	147110	250.000	260
71	m,p-Xylene	106	13.107	13.107	(1.011)	357349	500.000	520
72	m,p-Xylene (part of total)	106	13.107	13.107	(1.011)	357349	500.000	520
73	o-Xylene	106	13.491	13.491	(1.041)	184822	250.000	270
74	o-Xylene (part of total)	106	13.491	13.491	(1.041)	184822	250.000	270
75	Styrene	104	13.500	13.500	(1.042)	318876	250.000	260
76	Bromoform	173	13.766	13.766	(1.062)	70403	250.000	260
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	474540	250.000	290
79	1,1,2,2-Tetrachloroethane	83	14.071	14.071	(0.935)	132305	250.000	270
80	1,2,3-Trichloropropane	110	14.150	14.150	(1.092)	35942	250.000	280
81	Bromobenzene	156	14.170	14.170	(1.093)	107516	250.000	240
82	trans-1,4-dichloro-2-butene	53	14.101	14.101	(1.088)	1417103	1000.00	950
83	n-Propyl Benzene	91	14.150	14.150	(0.940)	575754	250.000	210
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	97919	250.000	260
85	4-Chlorotoluene	126	14.386	14.386	(0.956)	95693	250.000	240
86	1,3,5-Trimethyl Benzene	105	14.268	14.268	(0.948)	362655	250.000	270
87	Pentachloroethane	167	14.692	14.692	(0.976)	56795	250.000	260
88	tert-Butyl Benzene	119	14.593	14.593	(0.970)	334142	250.000	290
89	1,2,4-Trimethyl Benzene	105	14.633	14.633	(0.973)	367171	250.000	260
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	450554	250.000	270
91	1,3-Dichlorobenzene	146	14.987	14.987	(0.996)	203305	250.000	270
92	p-Isopropyl Toluene	119	14.889	14.889	(0.990)	323369	250.000	250
93	1,4-Dichlorobenzene	146	15.066	15.066	(1.001)	207703	250.000	270
94	1,2-Dichlorobenzene	146	15.450	15.450	(1.027)	196983	250.000	280
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.282	15.282	(1.016)	283435	250.000	210
96	1,2-Dibromo-3-Chloropropane	157	16.237	16.237	(1.079)	21453	250.000	270
97	1,2,4-Trichlorobenzene	180	17.133	17.133	(1.139)	119000	250.000	250
98	Hexachlorobutadiene	225	17.232	17.232	(1.145)	42223	250.000	190
99	Naphthalene	128	17.478	17.478	(1.162)	309635	250.000	290
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	122158	250.000	290
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				249652	500.000	470
M 102	Xylene (total)	106				542171	750.000	790

COMPUCHEM a division of Liberty Analytical Corp DATE 3/25/06 INITIAL TIME OF TUNE 1407 SHIFT/S(A)____ (B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 754 LINKER /METHOD W8260 5ppB

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE None

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF06B25B59	/	—	—	3/25/06	1954	BFB	—	2ml	—	2481	LLD-SCO
2	/	GS06B25B59	VS	—	—	/ /	2009	VSTD050	—	10ml	—		
3		GT06B25B59	/	—	—	/ /	2050	VSTD050	—	10ml	—		
4		97775B59	/			/ /	2141	VBLKMA	Varns	100ml			
5		97778B59	/			/ /	2218	VMALCS		5ml			
6		97781B59	/			/ /	2257	VMALCSD					
7	/	97367B59	/	OW	1	/ /	2326	ACSGWTB01 MS	9416	5ml	1		wrong QC scheduled see batch #17082 for correct QC
8	/	97368	/	OW	1	/ /	2354	MSD			1		
9		9416090B59	/		1	3/26/06	0023	ACSGW MW06-27DL		1.25	4		
10		16D	/		1	/ /	0052	MW56-27DL		2ml	2.5		
11		20	/		1	/ /	0120	LA14-27		5ml	1		
12		943301B59	/	1	1	/ /	0149	ACSGWLA13-27	9433				
13		02	/			/ /	0218	MW53-27					
14		03	/			/ /	0246	LA17-27					
15		04	/			/ /	0315	LA11-27					
16		05	/			/ /	0343	MW57-27					
17		06	/			/ /	0412	EB02-27					
18		943701B59	/	1	1	/ /	0440	EB	9437	5ml			
19		02	/	1	1	/ /	0509	TRIPBLANK					
20		943507	/	—	—	/ /	0538	B-2VOC SIDEWALL	9435	100ml			
21						/ /							
22						/ /		JAD 3-27-06					
23						/ /							
24						/ /							

to 27-06

SUPERVISOR APPROVAL Joann Ockenlander

Date 3-27-06

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC 288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/28/06 Time: 2243

Lab File ID: GT060328B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.4275700	0.4874768	0.4874768	0.001	14.01	25.00	AVRG
Chloromethane	0.3069100	0.3558092	0.3558092	0.1	15.93	25.00	AVRG
Vinyl Chloride	0.2203800	0.2611070	0.2611070	0.001	18.48	20.00	AVRG
Bromomethane	273.75117	250.00000	0.2198255	0.001	9.50	25.00	2RDR
Chloroethane	275.20626	250.00000	0.1257042	0.001	10.08	25.00	2RDR
Trichlorofluoromethane	0.4572100	0.4963253	0.4963253	0.001	8.56	25.00	AVRG
1,1-Dichloroethene	0.2623400	0.2433631	0.2433631	0.001	-7.23	20.00	AVRG
Carbon disulfide	0.9399600	0.9654967	0.9654967	0.001	2.72	25.00	AVRG
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3223001	0.3223001	0.001	12.08	25.00	AVRG
Acetone	756.17160	625.00000	0.0693247	0.001	20.99	25.00	2RDR
Methylene Chloride	0.2972500	0.3046830	0.3046830	0.001	2.50	25.00	AVRG
trans-1,2-Dichloroethene	0.2991000	0.2802739	0.2802739	0.001	-6.29	25.00	AVRG
Methyl-tert-butyl ether	0.6731400	0.6838601	0.6838601	0.001	1.59	25.00	AVRG
1,1-Dichloroethane	0.5318900	0.5700105	0.5700105	0.1	7.17	25.00	AVRG
cis-1,2-Dichloroethene	0.3161300	0.2985890	0.2985890	0.001	-5.55	25.00	AVRG
2-butanone	0.0924300	0.1071720	0.1071720	0.001	15.95	25.00	AVRG
Chloroform	0.5259900	0.5297856	0.5297856	0.001	0.72	20.00	AVRG
1,1,1-Trichloroethane	0.4363600	0.4287380	0.4287380	0.001	-1.75	25.00	AVRG
Carbon Tetrachloride	0.3421000	0.3361763	0.3361763	0.001	-1.73	25.00	AVRG
Benzene	1.0496800	1.0624408	1.0624408	0.001	1.22	25.00	AVRG
1,2-Dichloroethane	0.3744300	0.3961276	0.3961276	0.001	5.79	25.00	AVRG
Trichloroethene	0.2715900	0.2406085	0.2406085	0.001	-11.41	25.00	AVRG
1,2-Dichloropropane	0.2754500	0.2991309	0.2991309	0.001	8.60	20.00	AVRG
Bromodichloromethane	0.3712300	0.3701200	0.3701200	0.001	-0.30	25.00	AVRG
cis-1,3-Dichloropropene	0.4471900	0.4583949	0.4583949	0.001	2.50	25.00	AVRG
4-Methyl-2-pentanone	0.2958300	0.3614598	0.3614598	0.001	22.18	25.00	AVRG
Toluene	0.9698300	1.0039908	1.0039908	0.001	3.52	20.00	AVRG
trans-1,3-Dichloropropene	0.5916500	0.6532621	0.6532621	0.001	10.41	25.00	AVRG
1,1,2-Trichloroethane	0.3195200	0.3201819	0.3201819	0.001	0.21	25.00	AVRG
Tetrachloroethene	0.2714000	0.2905393	0.2905393	0.001	7.05	25.00	AVRG
2-hexanone	0.2080000	0.2549924	0.2549924	0.001	22.59	25.00	AVRG
Dibromochloromethane	0.3656700	0.3510929	0.3510929	0.001	-3.99	25.00	AVRG
1,2-Dibromoethane	0.3581000	0.3534325	0.3534325	0.001	-1.30	25.00	AVRG
Chlorobenzene	1.0222400	1.0197349	1.0197349	0.3	-0.24	25.00	AVRG
Ethylbenzene	0.4911400	0.5315808	0.5315808	0.001	8.23	20.00	AVRG
Styrene	1.0685100	1.1214405	1.1214405	0.001	4.95	25.00	AVRG
Bromoform	0.2408400	0.2319457	0.2319457	0.1	-3.69	25.00	AVRG
Isopropyl Benzene	1.4270900	1.7094638	1.7094638	0.001	19.79	25.00	AVRG
1,1,2,2-Tetrachloroethane	0.9152100	1.0524350	1.0524350	0.3	14.99	25.00	AVRG
1,3-Dichlorobenzene	1.4411300	1.5864176	1.5864176	0.001	10.08	25.00	AVRG
1,4-Dichlorobenzene	1.4729500	1.6166258	1.6166258	0.001	9.75	25.00	AVRG
1,2-Dichlorobenzene	1.3266200	1.4421531	1.4421531	0.001	8.71	25.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/28/06 Time: 2243

Lab File ID: GT060328B59 Init. Calib. Date(s): 03/24/06 03/24/06

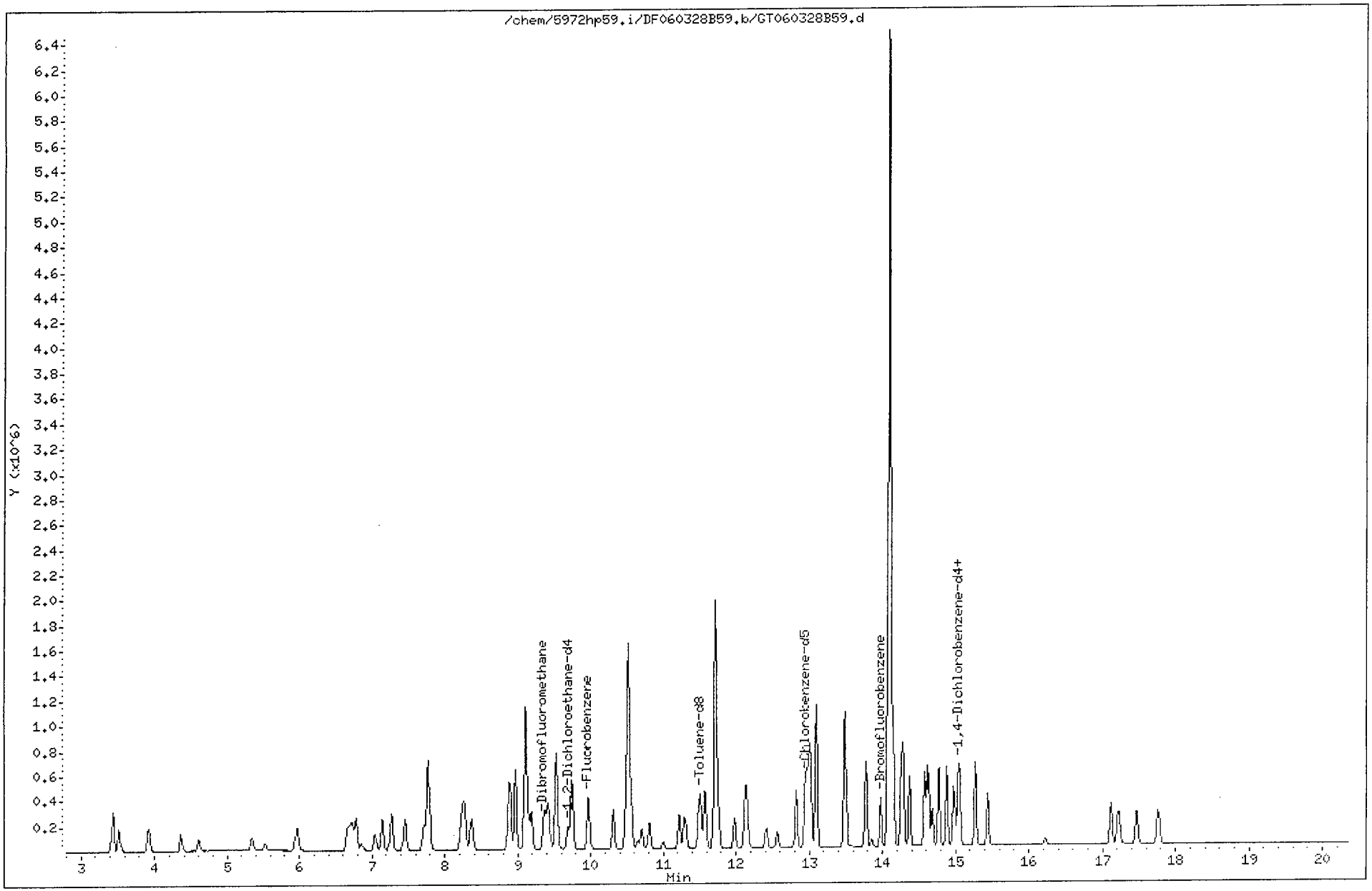
Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1440649	0.1440649	0.001	-2.18	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	1.0471696	1.0471696	0.001	18.69	25.00	AVRG	
Xylene (total)	0.6076200	0.6640102	0.6640102	0.001	9.28	25.00	AVRG	
Methyl acetate	0.1551500	0.1857316	0.1857316	0.001	19.71	25.00	AVRG	
Cyclohexane	0.3443300	0.4976880	0.4976880	0.001	44.54	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4284085	0.4284085	0.001	49.09	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2788430	0.2788430	0.001	-13.62	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3081920	0.3081920	0.001	-8.88	25.00	AVRG	
Toluene-d8	1.4987000	1.3849701	1.3849701	0.001	-7.59	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.2418322	1.2418322	0.001	-5.92	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060328B59.b/GT060328B59.d
Date : 28-MAR-2006 22:43
Client ID: VSTD050
Sample Info: VSTD050:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/GT060328B59.d
Report Date: 29-Mar-2006 05:10

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/GT060328B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 28-MAR-2006 22:43
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.967	9.967	(1.000)	512966	250.000	
* 2 Chlorobenzene-d5	117	12.950	12.950	(1.000)	323994	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.037	15.037	(1.000)	150224	250.000	
$ 4 Dibromofluoromethane	113	9.347	9.347	(0.938)	143037	250.000	220
$ 5 1,2-Dichloroethane-d4	65	9.681	9.681	(0.971)	158092	250.000	230
$ 6 Toluene-d8	98	11.503	11.503	(0.888)	448722	250.000	230
$ 7 Bromofluorobenzene	95	13.974	13.974	(0.929)	186553	250.000	240
8 Dichlorodifluoromethane	85	3.922	3.922	(0.394)	250059	250.000	290
9 Chloromethane	50	4.355	4.355	(0.437)	182518	250.000	290
10 Vinyl Chloride	62	4.601	4.601	(0.462)	133939	250.000	300
11 Bromomethane	94	5.340	5.340	(0.536)	112763	250.000	270
12 Chloroethane	64	5.527	5.527	(0.554)	64482	250.000	280
13 Trichlorofluoromethane	101	5.970	5.970	(0.599)	254598	250.000	270
14 Acrolein	56	6.659	6.659	(0.668)	148660	2500.00	2100
15 1,1-Dichloroethene	96	6.777	6.777	(0.680)	124837	250.000	230
16 1,1,1-trichloro-2,2,2-trifluo	117	6.688	6.688	(0.671)	63312	250.000	280

Data File: /chem/5972hp59.i/DF060328B59.b/GT060328B59.d
Report Date: 29-Mar-2006 05:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.856	6.856	(0.688)	88903	625.000	760
18 Iodomethane	142	7.043	7.043	(0.707)	202405	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.728	6.728	(0.675)	165329	250.000	280
20 Carbon disulfide	76	7.141	7.141	(0.716)	495267	250.000	260
21 3-Chloropropene	76	7.269	7.269	(0.729)	87624	250.000	300
22 Acetonitrile	41	7.269	7.269	(0.729)	258534	250.000	330
23 Methyl acetate	43	7.259	7.259	(0.728)	95274	250.000	300
24 Methylene Chloride	84	7.456	7.456	(0.748)	156292	250.000	260
25 Acrylonitrile	53	7.771	7.771	(0.780)	446362	2500.00	3000
26 trans-1,2-Dichloroethene	96	7.781	7.781	(0.781)	143771	250.000	230
27 trans-1,2-DCE (part of total)	96	7.781	7.781	(0.781)	143771	250.000	230
28 Methyl-tert-butyl ether	73	7.722	7.722	(0.775)	350797	250.000	250
29 1,1-Dichloroethane	63	8.283	8.283	(0.831)	292396	250.000	270
30 Chloroprene	53	8.362	8.362	(0.839)	242550	250.000	300
31 Vinyl acetate	43	8.254	8.254	(0.828)	488940	250.000	290
32 Isopropyl ether	45	8.224	8.224	(0.825)	484518	250.000	280
33 cis-1,2-Dichloroethene	96	8.894	8.894	(0.892)	153166	250.000	240
34 cis-1,2-DCE (part of total)	96	8.894	8.894	(0.892)	153166	250.000	240
35 2,2-Dichloropropane	77	8.884	8.884	(0.891)	230966	250.000	260
36 Propionitrile	54	8.963	8.963	(0.899)	837239	12500.0	15000
37 2-butanone	43	8.864	8.864	(0.889)	137439	625.000	720
38 Methacrylonitrile	41	9.100	9.100	(0.913)	756949	2500.00	3100
39 Bromochloromethane	128	9.150	9.150	(0.918)	61462	250.000	220
40 Chloroform	83	9.189	9.189	(0.922)	271762	250.000	250
41 1,1,1-Trichloroethane	97	9.376	9.376	(0.941)	219928	250.000	250
42 Cyclohexane	56	9.425	9.425	(0.946)	255297	250.000	360
43 1,1-dichloropropene	75	9.514	9.514	(0.955)	207497	250.000	260
44 Carbon Tetrachloride	117	9.534	9.534	(0.957)	172447	250.000	250
45 1,2-Dichloroethane	62	9.760	9.760	(0.979)	203200	250.000	260
46 Isobutyl alcohol	43	9.534	9.534	(0.957)	253283	12500.0	15000
47 Benzene	78	9.740	9.740	(0.977)	544996	250.000	250
48 Trichloroethene	130	10.311	10.311	(1.035)	123424	250.000	220
49 Methylcyclohexane	83	10.489	10.489	(1.052)	219759	250.000	370
50 1,2-Dichloropropane	63	10.557	10.557	(1.059)	153444	250.000	270
51 Dibromomethane	174	10.705	10.705	(1.074)	72235	250.000	220
52 1,4-dioxane	88	10.646	10.646	(1.068)	60285	12500.0	13000
53 Methylmethacrylate	69	10.518	10.518	(1.055)	908809	2500.00	3000
54 Bromodichloromethane	83	10.813	10.813	(1.085)	189859	250.000	250
55 2-chloroethyl vinyl ether	63	11.000	11.000	(1.104)	31242	250.000	250
56 cis-1,3-Dichloropropene	75	11.217	11.217	(1.125)	235141	250.000	260
57 4-Methyl-2-pentanone	43	11.296	11.296	(0.872)	292777	625.000	760
58 Toluene	92	11.572	11.572	(0.894)	325287	250.000	260
59 trans-1,3-Dichloropropene	75	11.768	11.768	(0.909)	211653	250.000	280
60 1,1,2-Trichloroethane	97	11.985	11.985	(0.925)	103737	250.000	250
61 Ethylmethacrylate	69	11.719	11.719	(0.905)	1655615	2500.00	3000
62 1,3-Dichloropropane	76	12.162	12.162	(0.939)	197807	250.000	280
63 Tetrachloroethene	164	12.143	12.143	(0.938)	94133	250.000	270

Data File: /chem/5972hp59.i/DF060328B59.b/GT060328B59.d
Report Date: 29-Mar-2006 05:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64	2-hexanone	43	12.113	12.113	(0.935)	206540	625.000	770
65	Dibromochloromethane	129	12.418	12.418	(0.959)	113752	250.000	240
66	1,2-Dibromoethane	107	12.566	12.566	(0.970)	114510	250.000	250
67	Chlorobenzene	112	12.979	12.979	(1.002)	330388	250.000	250
69	1,1,1,2-Tetrachloroethane	131	13.019	13.019	(1.005)	112348	250.000	250
70	Ethylbenzene	106	13.009	13.009	(1.005)	172229	250.000	270
71	m,p-Xylene	106	13.097	13.097	(1.011)	436600	500.000	550
72	m,p-Xylene (part of total)	106	13.097	13.097	(1.011)	436600	500.000	550
73	o-Xylene	106	13.481	13.481	(1.041)	208806	250.000	270
74	o-Xylene (part of total)	106	13.481	13.481	(1.041)	208806	250.000	270
75	Styrene	104	13.491	13.491	(1.042)	363340	250.000	260
76	Bromoform	173	13.757	13.757	(1.062)	75149	250.000	240
78	Isopropyl Benzene	105	13.777	13.777	(1.064)	553856	250.000	300
79	1,1,2,2-Tetrachloroethane	83	14.062	14.062	(0.935)	158101	250.000	290
80	1,2,3-Trichloropropane	110	14.141	14.141	(1.092)	37568	250.000	260
81	Bromobenzene	156	14.161	14.161	(1.093)	122932	250.000	240
82	trans-1,4-dichloro-2-butene	53	14.092	14.092	(1.088)	1920397	1000.00	1100
83	n-Propyl Benzene	91	14.141	14.141	(0.940)	821780	250.000	260
84	2-Chlorotoluene	126	14.289	14.289	(0.950)	118713	250.000	280
85	4-Chlorotoluene	126	14.377	14.377	(0.956)	123843	250.000	280
86	1,3,5-Trimethyl Benzene	105	14.259	14.259	(0.948)	469736	250.000	310
87	Pentachloroethane	167	14.683	14.683	(0.976)	68802	250.000	280
88	tert-Butyl Benzene	119	14.584	14.584	(0.970)	406441	250.000	310
89	1,2,4-Trimethyl Benzene	105	14.623	14.623	(0.972)	478390	250.000	300
90	sec-Butyl Benzene	105	14.781	14.781	(0.983)	633682	250.000	340
91	1,3-Dichlorobenzene	146	14.978	14.978	(0.996)	238318	250.000	280
92	p-Isopropyl Toluene	119	14.879	14.879	(0.990)	468520	250.000	330
93	1,4-Dichlorobenzene	146	15.057	15.057	(1.001)	242856	250.000	270
94	1,2-Dichlorobenzene	146	15.441	15.441	(1.027)	216646	250.000	270
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.273	15.273	(1.016)	535677	250.000	340
96	1,2-Dibromo-3-Chloropropane	157	16.228	16.228	(1.079)	21642	250.000	240
97	1,2,4-Trichlorobenzene	180	17.114	17.114	(1.138)	157310	250.000	300
98	Hexachlorobutadiene	225	17.223	17.223	(1.145)	87669	250.000	340
99	Naphthalene	128	17.469	17.469	(1.162)	330940	250.000	280
100	1,2,3-Trichlorobenzene	180	17.764	17.764	(1.181)	139646	250.000	300
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				296937	500.000	470
M 102	Xylene (total)	106				645406	750.000	820

COMPUCHEM a division of Liberty Analytical Corp DATE 3/28/06 INITIAL TIME OF TUNE 1129 SHIFT/S(A)____ (B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 1721 LINKER /METHOD W8260Bpm3

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

354

	LCS	FILE NAME	MS	PH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL *	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
						PREVENTIVE MAINTENANCE							
1		BFOW3288059	/	—	—	3/28/06	1129	BFB	—	2ml	—	1481	1,1D c-BD
2		CSOW3288059	CS	—	—	/ /	1143	VSTD050	—	10ml	—		
3		CTOW3288059	/	—	—	/ /	2245	VSTD050	—	↓	—		
4		9779983S9	/	—	—	/ /	1317	VBLKNE	various	5ml	—		
5		9782783S9	/	—	—	/ ↓	2353	VNELCS	↓	↓	—		
6	/	939961 RB59	DW BS			3/29/06	0036	A1	9398	1mls	5		2-Butanone 18,422ng
7	/	02D	CS			/ /	0105	A2		8ml	625		
8	/	04D	CS			/ /	0133	B1		100ml	50		
9	/	05D	CS			/ /	0202	C1		100ml	50		
10	/	06D	CS			/ /	0230	C2		200ml	25		
11	/	07D	CS DW			/ /	0259	C3		300ml	16.7		Chlorobenzene 1993ng
12	/	08D	CS DW			/ /	0328	D1		100ml	50		
13	/	09D	CS DW			/ /	0356	E1		200ml	25		
14	/	10D	CS DW			/ /	0425	F1		250ml	20		2-Butanone 4155ng
15	/	11D	CS DW			/ /	0453	G1		15ml	333.3		
16	/	12D	CS DW			/ /	0522	H		5ml	1000		
17	/	13RL	CS	—	↓	/ /	0551	D2	↓	1ml	5		
18	/	941101 BS9	DW CS	—	—	/ /	0619	I	9411	500ml	10		2-Butanone Found 113,395ng sat.
19		94104191B59	/	—	—	/ /	0648	STD67	9404	~~5ml~~ 25ml	~~500~~ 5		
20		9433079 B59	/	1	1	/ /	0717	ACSGW804-27	9433	5ml	1		
21		08	/			/ /	0745	ACSGW MW57-27					
22		09	/			/ /	0814	ACSGW MW51-27					
23		10	/			/ /	0843	ACSGW MW30-27					
24		11	/	↓	↓	/ ↓	0911	ACSGW MW33-27		↓	↓	↓	

SUPERVISOR APPROVAL Joan Ockerhausen Date 3-29-06

Tune (ID #7008) Lot No. G24063

Calibration Group Code / Lot No. DC288

*On-column sample aliquot
+Not applicable to soil matrix

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/29/06 Time: 2245

Lab File ID: GT060329B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.4275700	0.4363443	0.4363443	0.001	2.05	25.00	AVRG	
Chloromethane	0.3069100	0.3093806	0.3093806	0.1	0.80	25.00	AVRG	
Vinyl Chloride	0.2203800	0.2325789	0.2325789	0.001	5.54	20.00	AVRG	
Bromomethane	231.43872	250.00000	0.1877656	0.001	-7.42	25.00	2RDR	
Chloroethane	269.81056	250.00000	0.1233948	0.001	7.92	25.00	2RDR	
Trichlorofluoromethane	0.4572100	0.4450842	0.4450842	0.001	-2.65	25.00	AVRG	
1,1-Dichloroethene	0.2623400	0.2343199	0.2343199	0.001	-10.68	20.00	AVRG	
Carbon disulfide	0.9399600	0.9258440	0.9258440	0.001	-1.50	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3175988	0.3175988	0.001	10.45	25.00	AVRG	
Acetone	786.69340	625.00000	0.0720010	0.001	25.87	25.00	2RDR	<-
Methylene Chloride	0.2972500	0.2762988	0.2762988	0.001	-7.05	25.00	AVRG	
trans-1,2-Dichloroethene	0.2991000	0.2684507	0.2684507	0.001	-10.25	25.00	AVRG	
Methyl-tert-butyl ether	0.6731400	0.6428940	0.6428940	0.001	-4.49	25.00	AVRG	
1,1-Dichloroethane	0.5318900	0.5121469	0.5121469	0.1	-3.71	25.00	AVRG	
cis-1,2-Dichloroethene	0.3161300	0.2801452	0.2801452	0.001	-11.38	25.00	AVRG	
2-butanone	0.0924300	0.1089085	0.1089085	0.001	17.83	25.00	AVRG	
Chloroform	0.5259900	0.4927596	0.4927596	0.001	-6.32	20.00	AVRG	
1,1,1-Trichloroethane	0.4363600	0.4036140	0.4036140	0.001	-7.50	25.00	AVRG	
Carbon Tetrachloride	0.3421000	0.3243276	0.3243276	0.001	-5.20	25.00	AVRG	
Benzene	1.0496800	0.9980296	0.9980296	0.001	-4.92	25.00	AVRG	
1,2-Dichloroethane	0.3744300	0.3617405	0.3617405	0.001	-3.39	25.00	AVRG	
Trichloroethene	0.2715900	0.2300628	0.2300628	0.001	-15.29	25.00	AVRG	
1,2-Dichloropropane	0.2754500	0.2742471	0.2742471	0.001	-0.44	20.00	AVRG	
Bromodichloromethane	0.3712300	0.3442274	0.3442274	0.001	-7.27	25.00	AVRG	
cis-1,3-Dichloropropene	0.4471900	0.4270752	0.4270752	0.001	-4.50	25.00	AVRG	
4-Methyl-2-pentanone	0.2958300	0.3682539	0.3682539	0.001	24.48	25.00	AVRG	
Toluene	0.9698300	0.9403214	0.9403214	0.001	-3.04	20.00	AVRG	
trans-1,3-Dichloropropene	0.5916500	0.6006273	0.6006273	0.001	1.52	25.00	AVRG	
1,1,2-Trichloroethane	0.3195200	0.3021051	0.3021051	0.001	-5.45	25.00	AVRG	
Tetrachloroethene	0.2714000	0.2743435	0.2743435	0.001	1.08	25.00	AVRG	
2-hexanone	0.2080000	0.2597850	0.2597850	0.001	24.90	25.00	AVRG	
Dibromochloromethane	0.3656700	0.3263097	0.3263097	0.001	-10.76	25.00	AVRG	
1,2-Dibromoethane	0.3581000	0.3344393	0.3344393	0.001	-6.61	25.00	AVRG	
Chlorobenzene	1.0222400	0.9665348	0.9665348	0.3	-5.45	25.00	AVRG	
Ethylbenzene	0.4911400	0.5124563	0.5124563	0.001	4.34	20.00	AVRG	
Styrene	1.0685100	1.0320120	1.0320120	0.001	-3.42	25.00	AVRG	
Bromoform	0.2408400	0.2168693	0.2168693	0.1	-9.95	25.00	AVRG	
Isopropyl Benzene	1.4270900	1.6468870	1.6468870	0.001	15.40	25.00	AVRG	
1,1,2,2-Tetrachloroethane	0.9152100	0.9691306	0.9691306	0.3	5.89	25.00	AVRG	
1,3-Dichlorobenzene	1.4411300	1.4591264	1.4591264	0.001	1.25	25.00	AVRG	
1,4-Dichlorobenzene	1.4729500	1.5154073	1.5154073	0.001	2.88	25.00	AVRG	
1,2-Dichlorobenzene	1.3266200	1.3407529	1.3407529	0.001	1.06	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Instrument ID: 5972HP59 Calibration Date: 03/29/06 Time: 2245

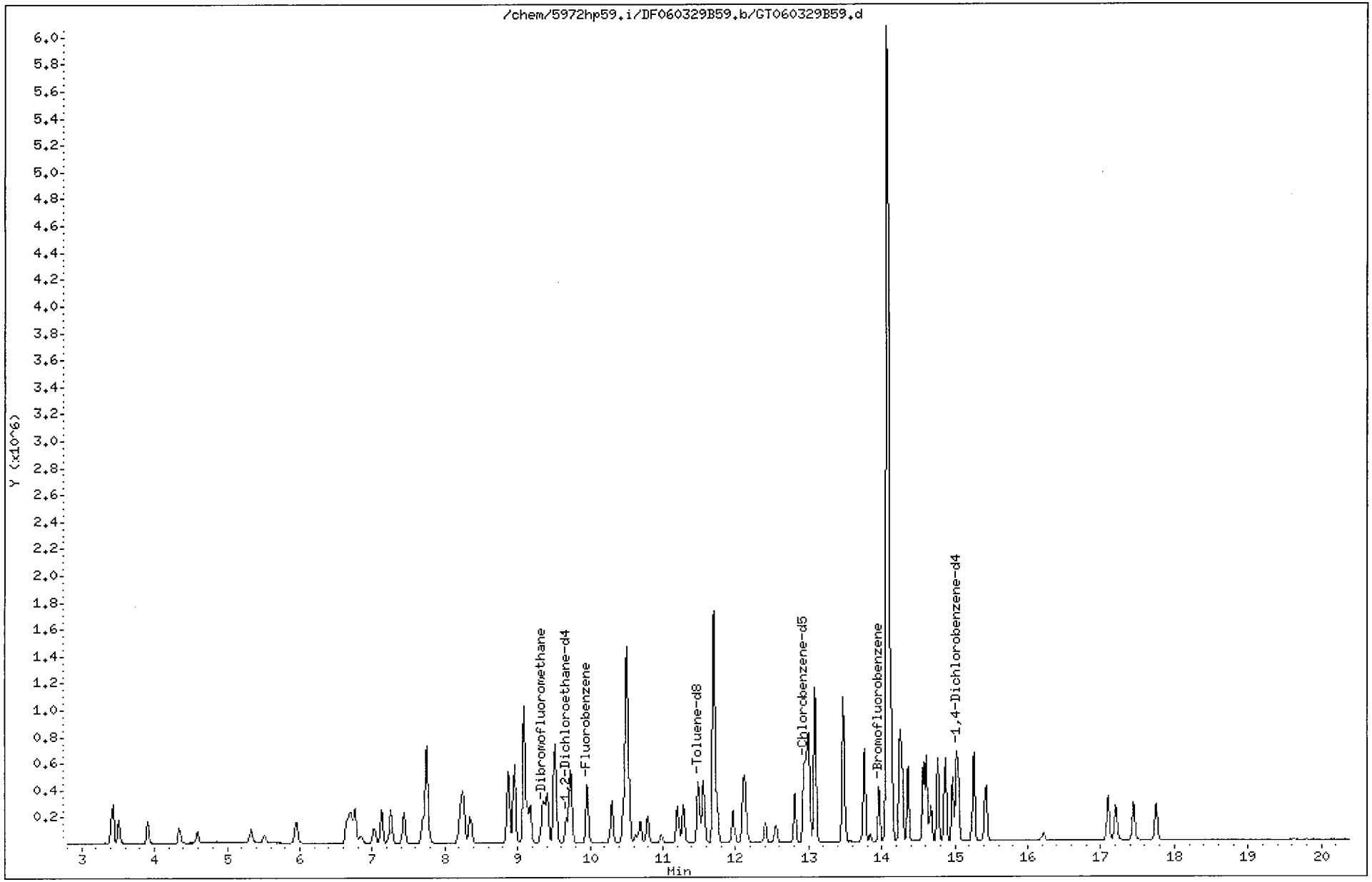
Lab File ID: GT060329B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1410163	0.1410163	0.001	-4.25	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	0.9749849	0.9749849	0.001	10.51	25.00	AVRG	
Xylene (total)	0.6076200	0.6345070	0.6345070	0.001	4.42	25.00	AVRG	
Methyl acetate	0.1551500	0.1749240	0.1749240	0.001	12.74	25.00	AVRG	
Cyclohexane	0.3443300	0.4715500	0.4715500	0.001	36.95	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4173363	0.4173363	0.001	45.24	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2802359	0.2802359	0.001	-13.19	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3083538	0.3083538	0.001	-8.83	25.00	AVRG	
Toluene-d8	1.4987000	1.3842530	1.3842530	0.001	-7.64	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.2034565	1.2034565	0.001	-8.83	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Date : 29-MAR-2006 22:45
Client ID: VSTD050
Instrument: 5972hp59.i
Sample Info: VSTD050:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 29-MAR-2006 22:45
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.955	9.955	(1.000)	540509	250.000	
*	2 Chlorobenzene-d5	117	12.938	12.938	(1.000)	347495	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.026	15.026	(1.000)	163981	250.000	
$	4 Dibromofluoromethane	113	9.335	9.335	(0.938)	151470	250.000	220
$	5 1,2-Dichloroethane-d4	65	9.670	9.670	(0.971)	166668	250.000	230
$	6 Toluene-d8	98	11.491	11.491	(0.888)	481021	250.000	230
$	7 Bromofluorobenzene	95	13.962	13.962	(0.929)	197344	250.000	230
	8 Dichlorodifluoromethane	85	3.911	3.911	(0.393)	235848	250.000	260
	9 Chloromethane	50	4.344	4.344	(0.436)	167223	250.000	250
	10 Vinyl Chloride	62	4.590	4.590	(0.461)	125711	250.000	260
	11 Bromomethane	94	5.328	5.328	(0.535)	101489	250.000	230
	12 Chloroethane	64	5.515	5.515	(0.554)	66696	250.000	270
	13 Trichlorofluoromethane	101	5.948	5.948	(0.598)	240572	250.000	240
	14 Acrolein	56	6.647	6.647	(0.668)	140383	2500.00	1900
	15 1,1-Dichloroethene	96	6.766	6.766	(0.680)	126652	250.000	220
	16 1,1,1-trichloro-2,2,2-trifluo	117	6.677	6.677	(0.671)	66146	250.000	280

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.844	6.844	(0.688)	97293	625.000	790
18 Iodomethane	142	7.031	7.031	(0.706)	178720	250.000	210
19 1,1,2-trichloro-1,2,2-trifluo	101	6.707	6.707	(0.674)	171665	250.000	280
20 Carbon disulfide	76	7.130	7.130	(0.716)	500427	250.000	250
21 3-Chloropropene	76	7.258	7.258	(0.729)	76842	250.000	250
22 Acetonitrile	41	7.258	7.258	(0.729)	210561	250.000	260
23 Methyl acetate	43	7.248	7.248	(0.728)	94548	250.000	280
24 Methylene Chloride	84	7.435	7.435	(0.747)	149342	250.000	230
25 Acrylonitrile	53	7.750	7.750	(0.778)	481028	2500.00	3000
26 trans-1,2-Dichloroethene	96	7.770	7.770	(0.780)	145100	250.000	220
27 trans-1,2-DCE (part of total)	96	7.770	7.770	(0.780)	145100	250.000	220
28 Methyl-tert-butyl ether	73	7.701	7.701	(0.774)	347490	250.000	240
29 1,1-Dichloroethane	63	8.262	8.262	(0.830)	276820	250.000	240
30 Chloroprene	53	8.351	8.351	(0.839)	195886	250.000	230
31 Vinyl acetate	43	8.242	8.242	(0.828)	497638	250.000	280
32 Isopropyl ether	45	8.213	8.213	(0.825)	465715	250.000	260
33 cis-1,2-Dichloroethene	96	8.882	8.882	(0.892)	151421	250.000	220
34 cis-1,2-DCE (part of total)	96	8.882	8.882	(0.892)	151421	250.000	220
35 2,2-Dichloropropane	77	8.872	8.872	(0.891)	229912	250.000	240
36 Propionitrile	54	8.951	8.951	(0.899)	741707	12500.0	13000
37 2-butanone	43	8.853	8.853	(0.889)	147165	625.000	740
38 Methacrylonitrile	41	9.089	9.089	(0.913)	649042	2500.00	2600
39 Bromochloromethane	128	9.138	9.138	(0.918)	63463	250.000	220
40 Chloroform	83	9.178	9.178	(0.922)	266341	250.000	230
41 1,1,1-Trichloroethane	97	9.365	9.365	(0.941)	218157	250.000	230
42 Cyclohexane	56	9.414	9.414	(0.946)	254877	250.000	340
43 1,1-dichloropropene	75	9.502	9.502	(0.954)	209148	250.000	250
44 Carbon Tetrachloride	117	9.522	9.522	(0.956)	175302	250.000	240
45 1,2-Dichloroethane	62	9.739	9.739	(0.978)	195524	250.000	240
46 Isobutyl alcohol	43	9.512	9.512	(0.955)	228066	12500.0	13000
47 Benzene	78	9.729	9.729	(0.977)	539444	250.000	240
48 Trichloroethene	130	10.300	10.300	(1.035)	124351	250.000	210
49 Methylcyclohexane	83	10.477	10.477	(1.052)	225574	250.000	360
50 1,2-Dichloropropane	63	10.536	10.536	(1.058)	148233	250.000	250
51 Dibromomethane	174	10.694	10.694	(1.074)	72933	250.000	210
52 1,4-dioxane	88	10.635	10.635	(1.068)	55527	12500.0	12000
53 Methylmethacrylate	69	10.507	10.507	(1.055)	825939	2500.00	2500
54 Bromodichloromethane	83	10.792	10.792	(1.084)	186058	250.000	230
55 2-chloroethyl vinyl ether	63	10.989	10.989	(1.104)	34658	250.000	270
56 cis-1,3-Dichloropropene	75	11.206	11.206	(1.126)	230838	250.000	240
57 4-Methyl-2-pentanone	43	11.284	11.284	(0.872)	319916	625.000	780
58 Toluene	92	11.560	11.560	(0.893)	326757	250.000	240
59 trans-1,3-Dichloropropene	75	11.757	11.757	(0.909)	208715	250.000	250
60 1,1,2-Trichloroethane	97	11.974	11.974	(0.925)	104980	250.000	240
61 Ethylmethacrylate	69	11.708	11.708	(0.905)	1496730	2500.00	2600
62 1,3-Dichloropropane	76	12.141	12.141	(0.938)	195018	250.000	250
63 Tetrachloroethene	164	12.121	12.121	(0.937)	95333	250.000	250

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
64	2-hexanone	43	12.102	12.102	(0.935)	225685	625.000	780
65	Dibromochloromethane	129	12.407	12.407	(0.959)	113391	250.000	220
66	1,2-Dibromoethane	107	12.554	12.554	(0.970)	116216	250.000	230
67	Chlorobenzene	112	12.968	12.968	(1.002)	335866	250.000	240
69	1,1,1,2-Tetrachloroethane	131	13.007	13.007	(1.005)	110949	250.000	230
70	Ethylbenzene	106	12.988	12.988	(1.004)	178076	250.000	260
71	m,p-Xylene	106	13.086	13.086	(1.011)	446553	500.000	530
72	m,p-Xylene (part of total)	106	13.086	13.086	(1.011)	446553	500.000	530
73	o-Xylene	106	13.470	13.470	(1.041)	214911	250.000	260
74	o-Xylene (part of total)	106	13.470	13.470	(1.041)	214911	250.000	260
75	Styrene	104	13.480	13.480	(1.042)	358619	250.000	240
76	Bromoform	173	13.746	13.746	(1.062)	75361	250.000	230
78	Isopropyl Benzene	105	13.765	13.765	(1.064)	572285	250.000	290
79	1,1,2,2-Tetrachloroethane	83	14.051	14.051	(0.935)	158919	250.000	260
80	1,2,3-Trichloropropane	110	14.130	14.130	(1.092)	38831	250.000	250
81	Bromobenzene	156	14.149	14.149	(1.094)	123174	250.000	230
82	trans-1,4-dichloro-2-butene	53	14.080	14.080	(1.088)	1752779	1000.00	960
83	n-Propyl Benzene	91	14.130	14.130	(0.940)	818698	250.000	230
84	2-Chlorotoluene	126	14.277	14.277	(0.950)	122208	250.000	260
85	4-Chlorotoluene	126	14.366	14.366	(0.956)	128321	250.000	260
86	1,3,5-Trimethyl Benzene	105	14.248	14.248	(0.948)	477102	250.000	290
87	Pentachloroethane	167	14.671	14.671	(0.976)	60934	250.000	230
88	tert-Butyl Benzene	119	14.573	14.573	(0.970)	423628	250.000	300
89	1,2,4-Trimethyl Benzene	105	14.612	14.612	(0.972)	488798	250.000	280
90	sec-Butyl Benzene	105	14.770	14.770	(0.983)	644240	250.000	320
91	1,3-Dichlorobenzene	146	14.966	14.966	(0.996)	239269	250.000	250
92	p-Isopropyl Toluene	119	14.868	14.868	(0.990)	476927	250.000	300
93	1,4-Dichlorobenzene	146	15.045	15.045	(1.001)	248498	250.000	260
94	1,2-Dichlorobenzene	146	15.429	15.429	(1.027)	219858	250.000	250
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.262	15.262	(1.016)	538350	250.000	320
96	1,2-Dibromo-3-Chloropropane	157	16.217	16.217	(1.079)	23124	250.000	240
97	1,2,4-Trichlorobenzene	180	17.103	17.103	(1.138)	159879	250.000	280
98	Hexachlorobutadiene	225	17.201	17.201	(1.145)	88296	250.000	320
99	Naphthalene	128	17.447	17.447	(1.161)	348221	250.000	270
100	1,2,3-Trichlorobenzene	180	17.753	17.753	(1.181)	143774	250.000	280
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				296521	500.000	450
M 102	Xylene (total)	106				661464	750.000	780

COMPUCHEM a division of Liberty Analytical Corp DATE 3/29/06 INITIAL TIME OF TUNE 2147 SHIFT/S(A)____(B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 947 LINKER /METHOD W8260B 5m

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

361

PREVENTIVE MAINTENANCE

	REPRO CTED	FILE NAME	REPRO RTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF06B29B59	/	—	—	3/29/06	2147	BFB	—	2 ml	—	2481	LUD → SUD
2	/	GS06B29B59		—	—	/ /	2201	VSTD050	—	10ml	—		
3		GT06B29B59	/	—	—	/ /	2245	VSTD050	—	↓	—		
4		97865B59	/	—	—	/ /	2326	VBLKNP	various	5ml	—		
5		97868B59	/	—	—	3/30/06	003	VNPLCS	↓	↓			
6		939911D3B59	/		T. Bag	/ /	0111	G~~I~~ 3/30 I	9399	20ml	750		
7		12D2B59	/			/ /	0140	H		8ml	625		
8		04D2B59	/		↓	/ /	0208	B2	↓	100ml	50		
9		97871B59	/	1	1	/ /	0237	ACSGWMW30-27MS	9433	5ml	1		
10		97872B59	/	1	1	/ /	0306	↓ MSD					
11		943312	/	1	1	/ /	0334	ACSGW MW55-27					
12		13	/	1	1	/ /	0403	MW54R-27					
13		14	/	1	1	/ /	0431	MW32-27					
14		15	/	1	1	/ /	0500	MW31-27					
15		16	/	1	1	/ /	0529	EB03-27	↓	↓			
16		945601B59	/	1	1	/ /	0557	ACSGWTB05-27	9456	5ml			
17		07	/	1	1	/ /	0626	MW24-27					
18		03	/	1	1	/ /	0654	MW49-27					
19		04	/	1	1	/ /	0723	MW48-27					
20		05	/	1	1	/ /	0752	DUP0427					
21		06	/	1	1	/ /	0820	MW11-27					
22	\	07	DI	1	1	/ /	0849	MW10C27					Benzene 2362ng
23		08	/	1	1	/ /	0917	MW08-27					
24		09	/	1	1	/ /	0946	MW23-27	↓	↓	↓	↓	

SUPERVISOR APPROVAL Joan Ockenlander Date 3-30-06

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

4. Raw QC Data

   a. BFB Data

   b. Blank Data

   c. Laboratory Control Sample Data

   d. Matrix Spike Data

   e. Matrix Spike Duplicate Data

a. BFB Data

For each 12 hour period, per instrument utilized, include:

- Bar Graph spectrum and Tabulated Relative Abundances

- Mass listing

- Reconstructed ion chromatogram

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

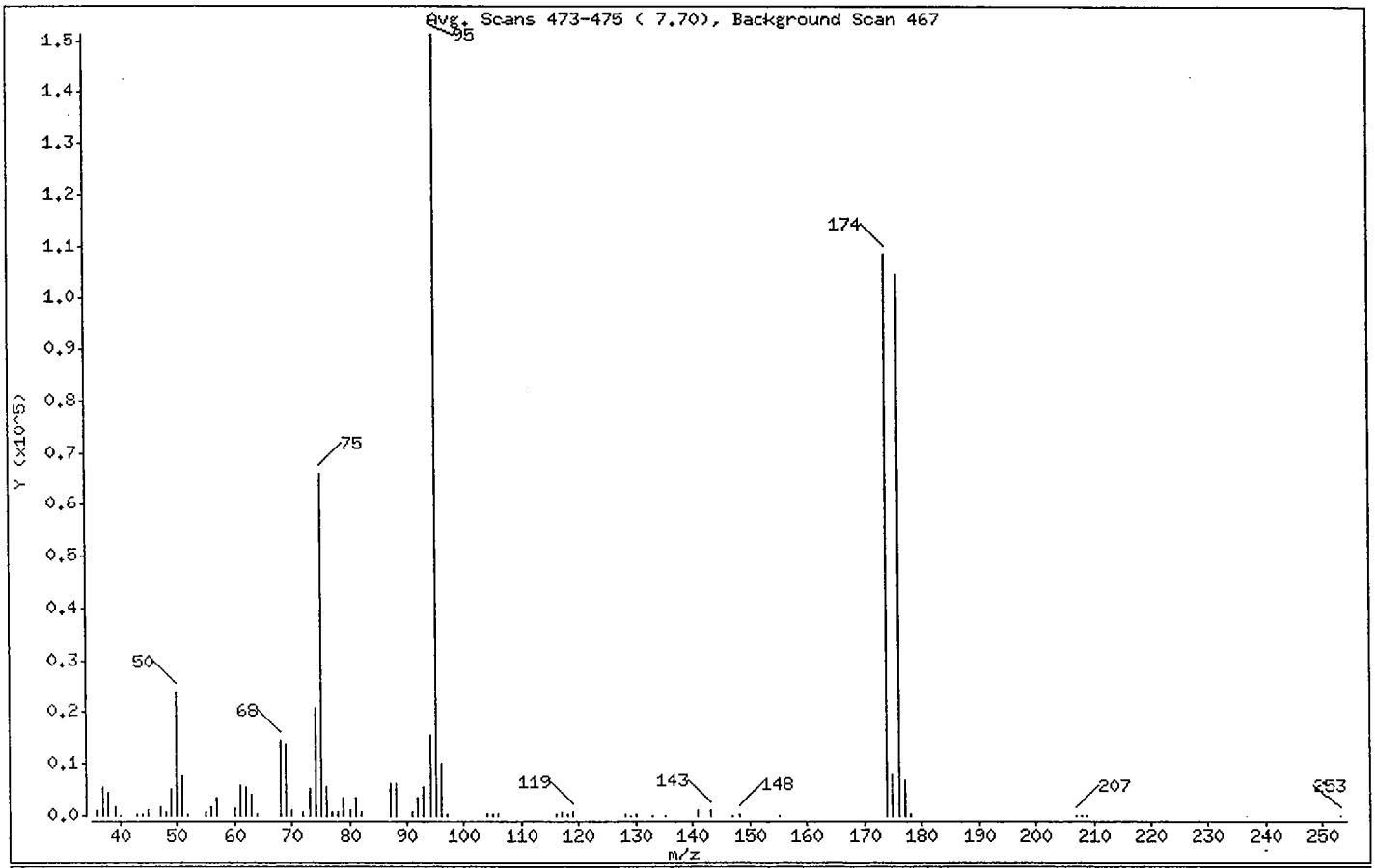
Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.92
75	30.00 - 60.00% of mass 95	43.59
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.80
175	5.00 - 9.00% of mass 174	5.27 (7.34)
176	95.00 - 101.00% of mass 174	69.20 (96.38)
177	5.00 - 9.00% of mass 176	4.64 (6.70)

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BG060324A59.d

Spectrum: Avg. Scans 473-475 (7.70), Background Scan 467

Location of Maximum: 95.00

Number of points: 71

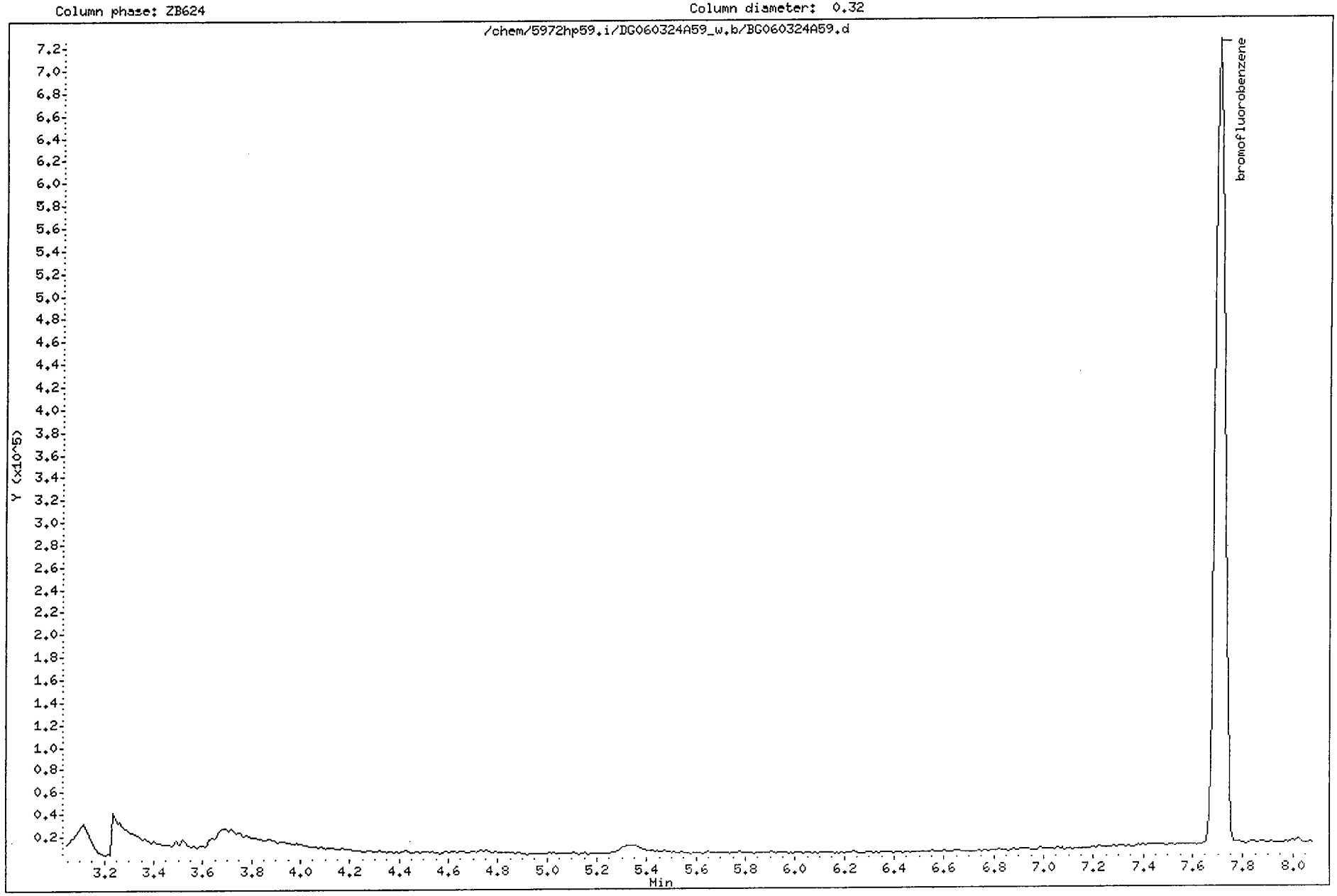
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1176	61.00	5803	87.00	6315	130.00	453
37.00	5538	62.00	5609	88.00	6148	133.00	75
38.00	4681	63.00	4097	91.00	735	135.00	117
39.00	1745	64.00	407	92.00	3366	141.00	913
40.00	43	68.00	14774	93.00	5457	143.00	987
43.00	323	69.00	13894	94.00	15514	147.00	103
44.00	475	70.00	1062	95.00	151232	148.00	225
45.00	1199	72.00	560	96.00	10229	155.00	102
47.00	1636	73.00	5251	97.00	250	174.00	108592
48.00	753	74.00	20992	104.00	497	175.00	7969
49.00	5288	75.00	65928	105.00	232	176.00	104664
50.00	24080	76.00	5469	106.00	462	177.00	7017
51.00	7668	77.00	711	116.00	276	178.00	220
52.00	466	78.00	785	117.00	714	207.00	144
55.00	554	79.00	3426	118.00	462	208.00	99
56.00	1734	80.00	1058	119.00	727	209.00	81
57.00	3317	81.00	3434	128.00	468	253.00	109
60.00	1303	82.00	748	129.00	113		

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d
Date : 24-MAR-2006 15:29
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d

Date : 25-MAR-2006 19:54

Client ID: BFB

Instrument: 5972hp59.i

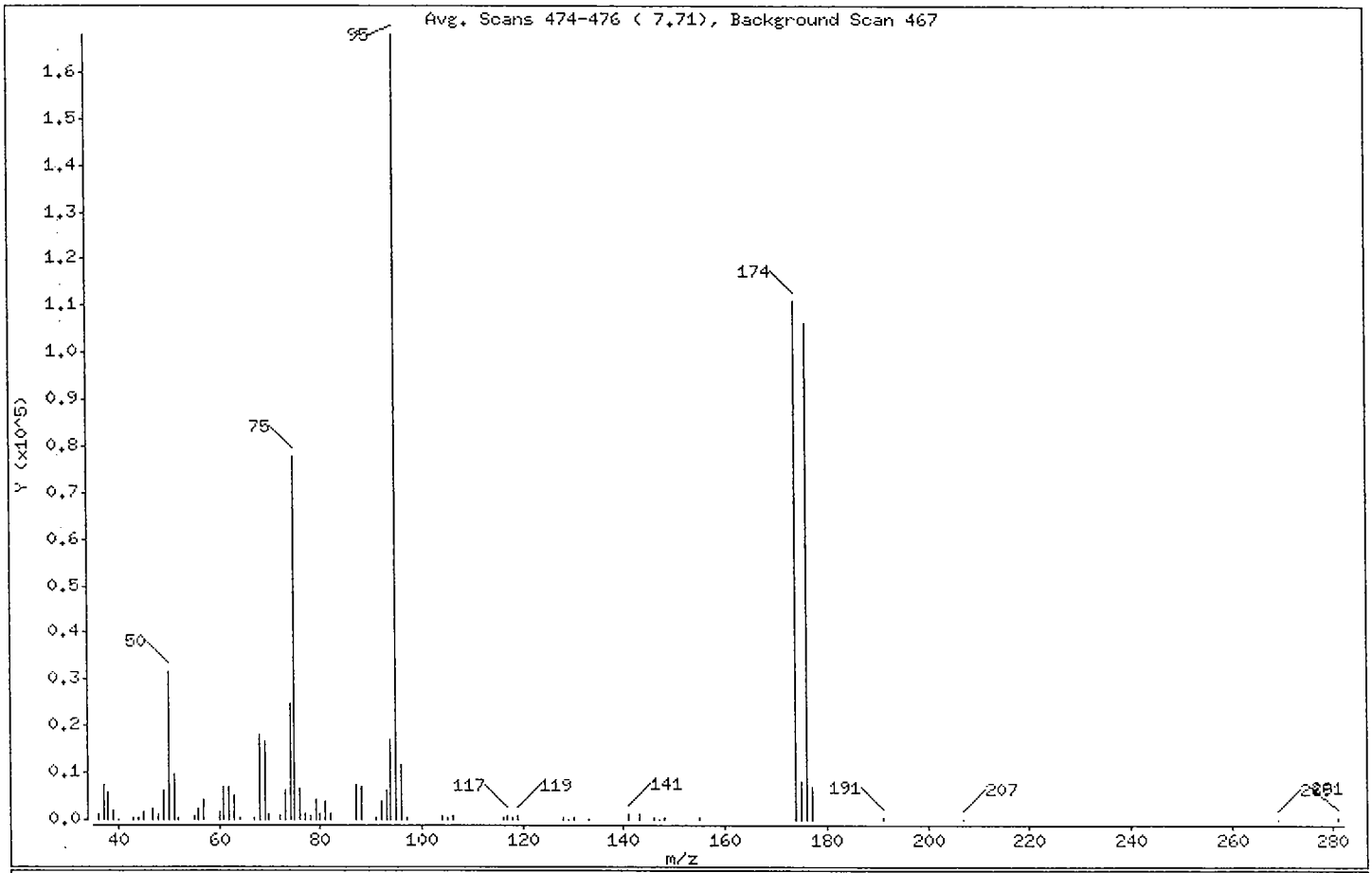
Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.89
75	30.00 - 60.00% of mass 95	46.26
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	66.05
175	5.00 - 9.00% of mass 174	4.83 (7.31)
176	95.00 - 101.00% of mass 174	63.16 (95.64)
177	5.00 - 9.00% of mass 176	4.09 (6.48)

Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d

Date : 25-MAR-2006 19:54

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

Data File: BF060325B59.d

Spectrum: Avg. Scans 474-476 (7.71), Background Scan 467

Location of Maximum: 95.00

Number of points: 71

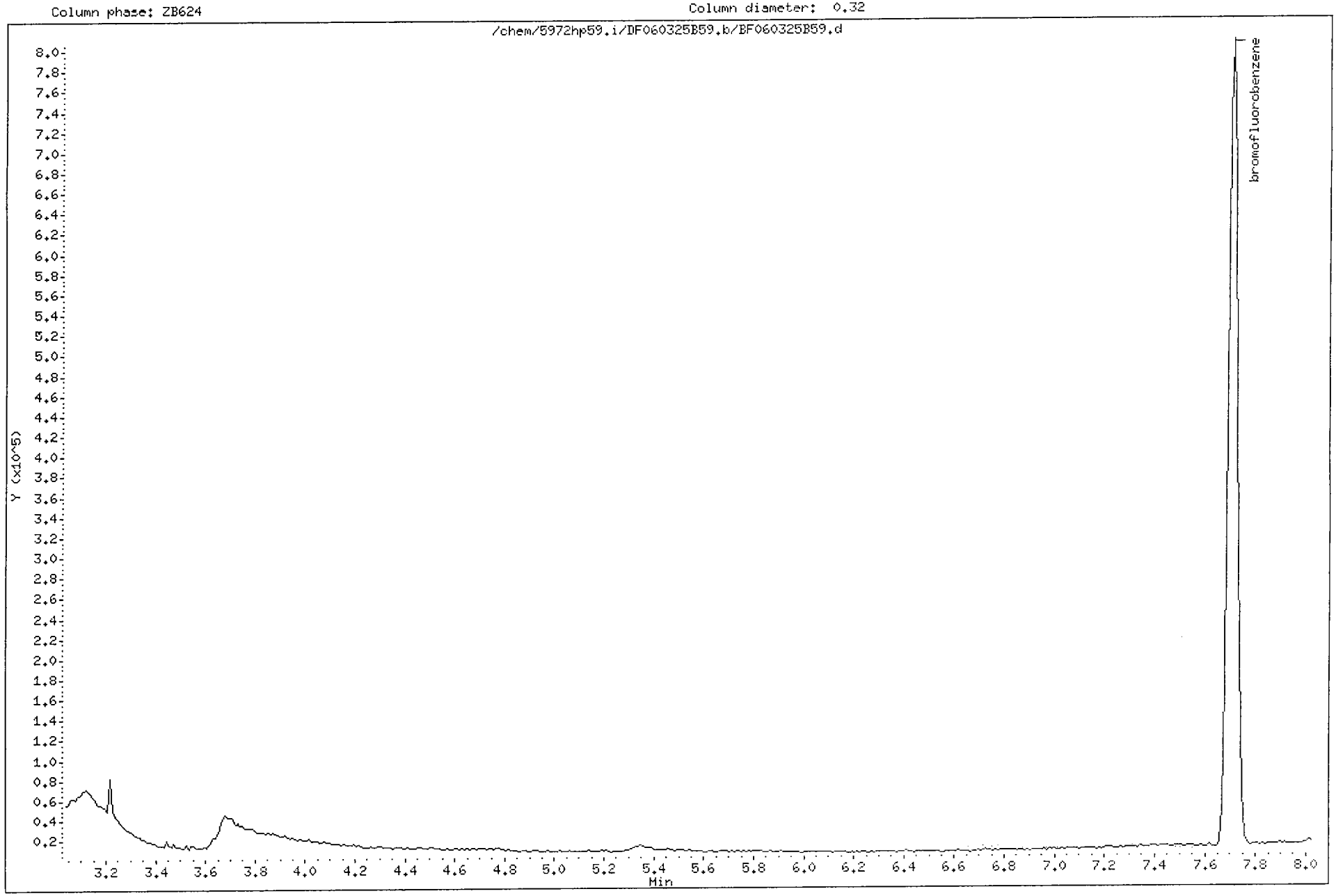
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1046	61.00	7103	82.00	1035	129.00	104
37.00	7379	62.00	6982	87.00	7366	130.00	443
38.00	5952	63.00	4867	88.00	7003	133.00	21
39.00	2101	64.00	355	91.00	501	141.00	1078
40.00	95	67.00	502	92.00	3906	143.00	1024
43.00	232	68.00	18000	93.00	6257	146.00	231
44.00	490	69.00	16760	94.00	16984	147.00	103
45.00	1637	70.00	1313	95.00	168064	148.00	246
47.00	2261	72.00	902	96.00	11620	155.00	251
48.00	1154	73.00	6339	97.00	523	174.00	111008
49.00	6194	74.00	24656	104.00	636	175.00	8116
50.00	31744	75.00	77752	105.00	266	176.00	106168
51.00	9514	76.00	6548	106.00	585	177.00	6876
52.00	526	77.00	1335	116.00	502	191.00	239
55.00	635	78.00	760	117.00	909	207.00	75
56.00	2392	79.00	4086	118.00	475	269.00	31
57.00	4232	80.00	1114	119.00	879	281.00	353
60.00	1526	81.00	3909	128.00	466		

Data File: /chem/5972hp59.i/DF060325B59.b/BF060325B59.d
Date : 25-MAR-2006 19:54
Client ID: BFB
Sample Info: BFB;2481

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060328B59.b/BF060328B59.d

Date : 28-MAR-2006 21:29

Client ID: BFB

Instrument: 5972hp59.i

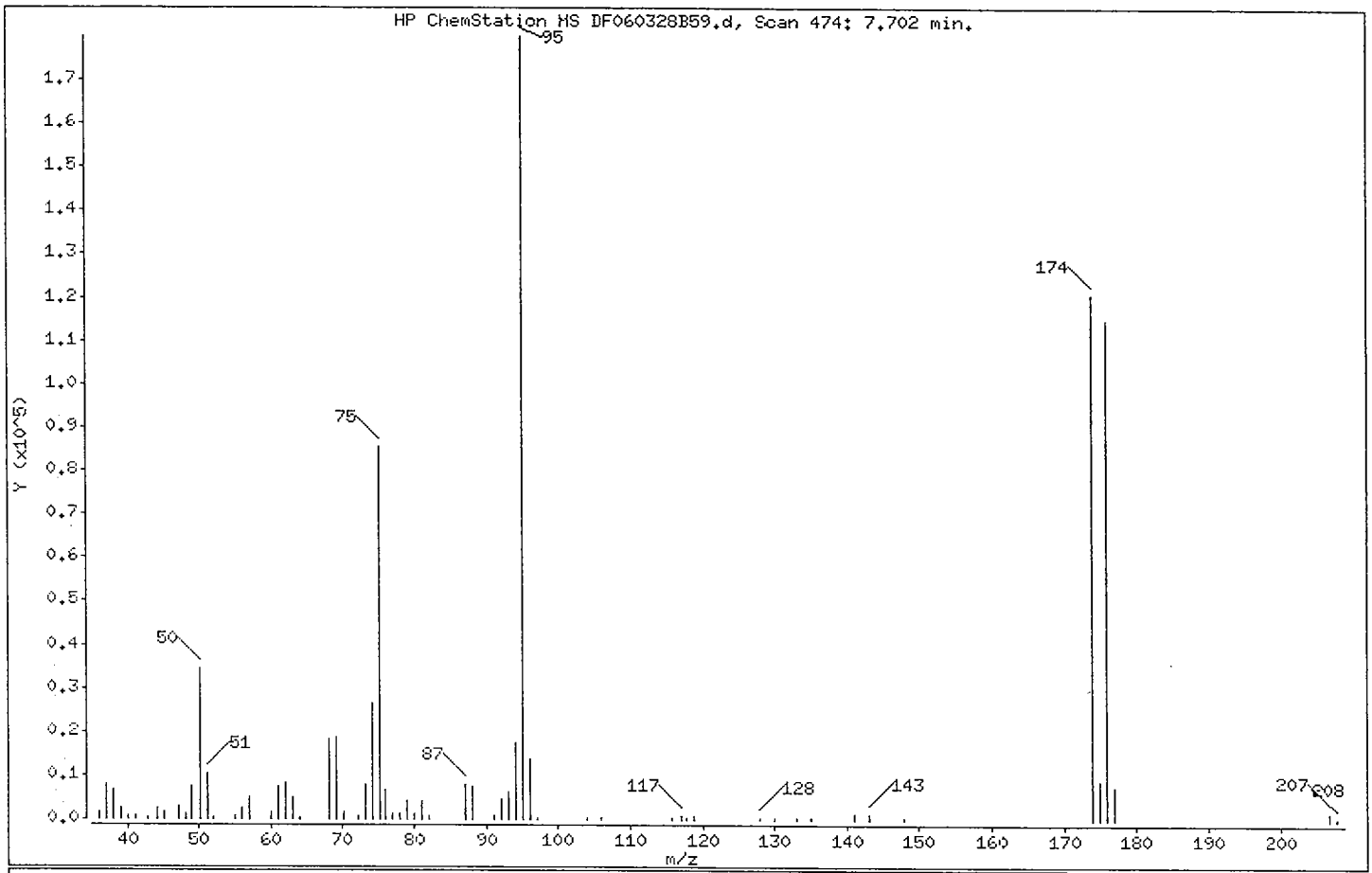
Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.16
75	30.00 - 60.00% of mass 95	47.55
96	5.00 - 9.00% of mass 95	7.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	66.96
175	5.00 - 9.00% of mass 174	4.77 (7.12)
176	95.00 - 101.00% of mass 174	63.83 (95.32)
177	5.00 - 9.00% of mass 176	4.07 (6.38)

Data File: /chem/5972hp59.i/DF060328B59.b/BF060328B59.d

Date : 28-MAR-2006 21:29

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

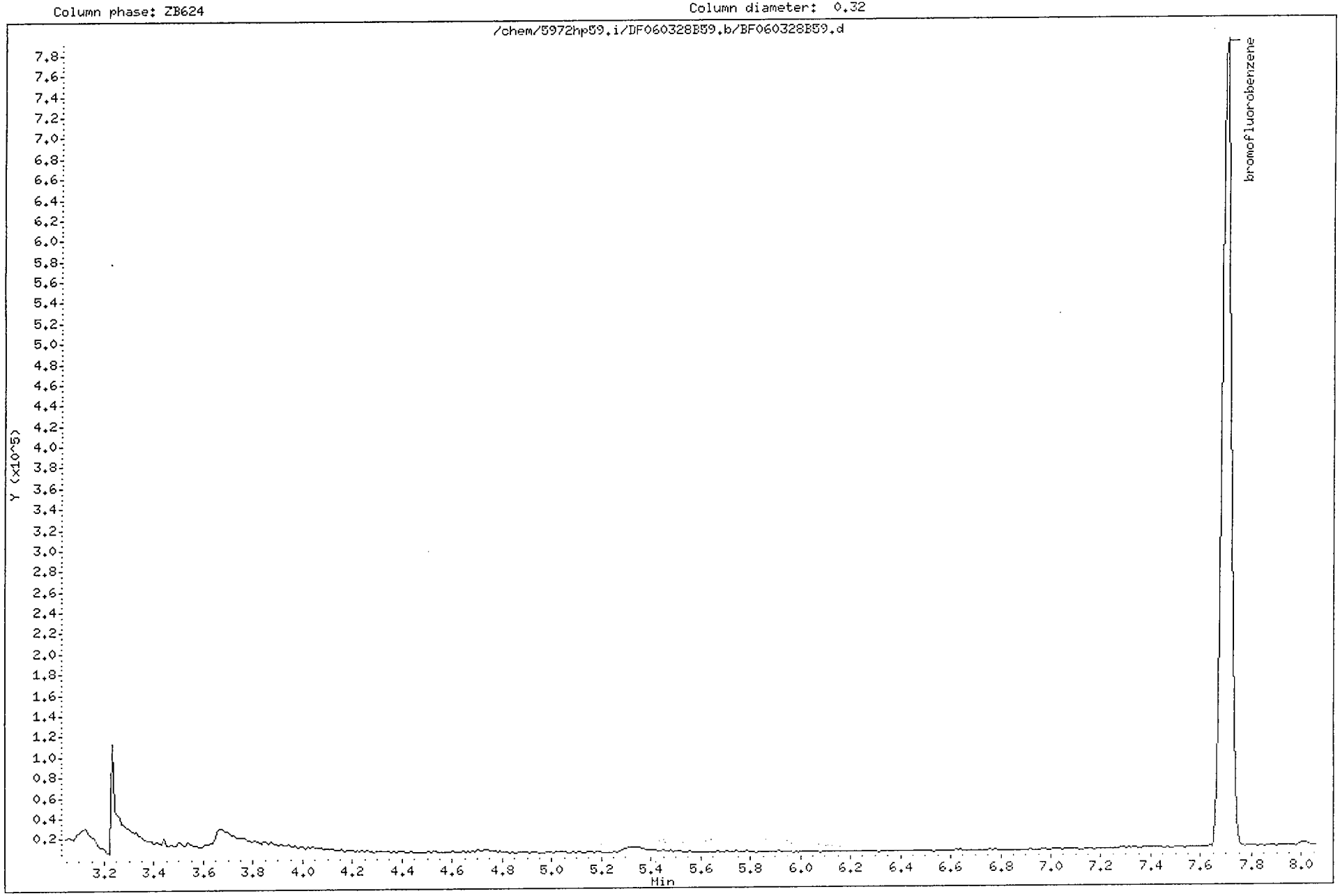
Data File: BF060328B59.d
Spectrum: HP ChemStation MS DF060328B59.d, Scan 474: 7.702 min.
Location of Maximum: 95.05
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1572	57.10	5147	80.00	1233	118.95	739
37.05	7875	60.05	1670	81.00	4297	128.00	449
38.10	6535	61.10	7526	81.95	958	130.05	384
39.10	2663	62.10	8205	87.00	7867	133.10	353
40.00	657	63.10	4999	88.05	7513	135.00	305
41.15	649	64.05	526	91.00	780	141.00	1215
42.95	373	68.10	18208	92.10	4416	142.95	1248
44.10	2453	69.10	18544	93.00	6387	147.95	389
45.10	1535	70.15	1487	94.15	17480	173.95	120472
47.05	2821	72.05	995	95.05	179904	175.00	8576
48.05	1296	73.10	8029	96.05	13719	176.00	114832
49.05	7619	74.10	26520	97.10	425	176.90	7323
50.10	34472	75.10	85552	104.00	519	207.05	1734
51.10	10183	76.05	6768	106.05	617	207.95	340
51.90	518	77.05	1266	115.90	613		
54.95	694	77.95	1077	117.00	813		
56.10	2369	79.00	4244	117.95	541		

Data File: /chem/5972hp59.i/DF060328B59.b/BF060328B59.d
Date : 28-MAR-2006 21:29
Client ID: BFB
Sample Info: BFB:2481

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d

Date : 29-MAR-2006 21:47

Client ID: BFB

Instrument: 5972hp59.i

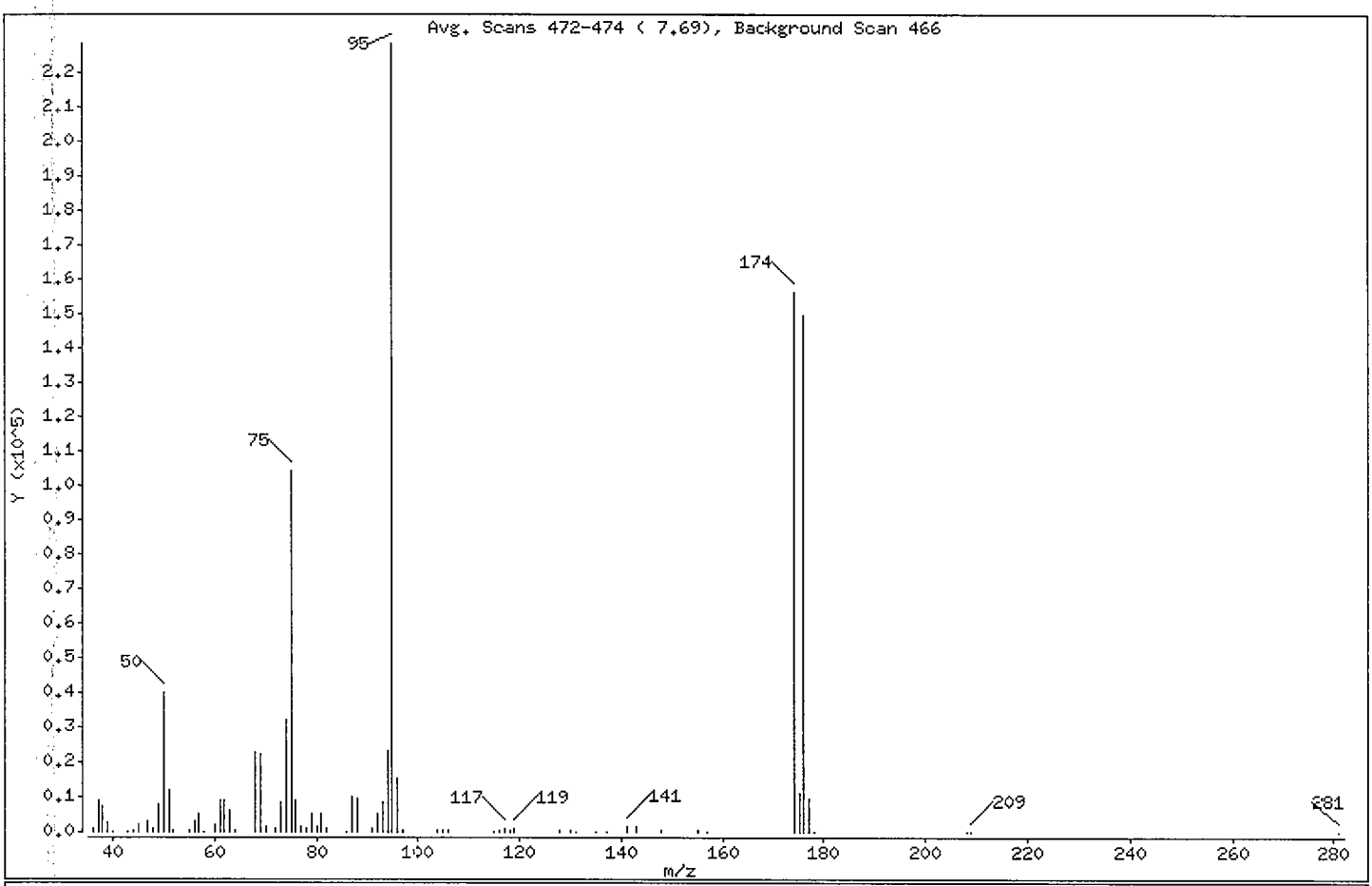
Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.59
75	30.00 - 60.00% of mass 95	45.54
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.35
175	5.00 - 9.00% of mass 174	4.84 (7.08)
176	95.00 - 101.00% of mass 174	65.52 (95.86)
177	5.00 - 9.00% of mass 176	4.24 (6.47)

Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d

Date : 29-MAR-2006 21:47

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

Data File: BF060329B59.d
Spectrum: Avg. Scans 472-474 (7.69), Background Scan 466
Location of Maximum: 95.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1271	61.00	9075	87.00	9922	131.00	137
37.00	8964	62.00	9160	88.00	9390	135.00	208
38.00	7466	63.00	6326	91.00	811	137.00	127
39.00	2760	64.00	650	92.00	5129	141.00	1432
40.00	114	68.00	22792	93.00	8247	143.00	1390
43.00	262	69.00	21856	94.00	23048	148.00	477
44.00	715	70.00	1784	95.00	228480	155.00	453
45.00	2014	72.00	1234	96.00	15074	157.00	113
47.00	2926	73.00	8504	97.00	474	174.00	156160
48.00	1238	74.00	32304	104.00	738	175.00	11057
49.00	7946	75.00	104056	105.00	389	176.00	149696
50.00	40192	76.00	8883	106.00	741	177.00	9686
51.00	12073	77.00	1407	115.00	229	178.00	213
52.00	640	78.00	944	116.00	611	208.00	36
55.00	653	79.00	5137	117.00	990	209.00	103
56.00	2925	80.00	1556	118.00	581	281.00	105
57.00	5383	81.00	5090	119.00	836		
58.00	101	82.00	1125	128.00	616		
60.00	1908	86.00	118	130.00	711		

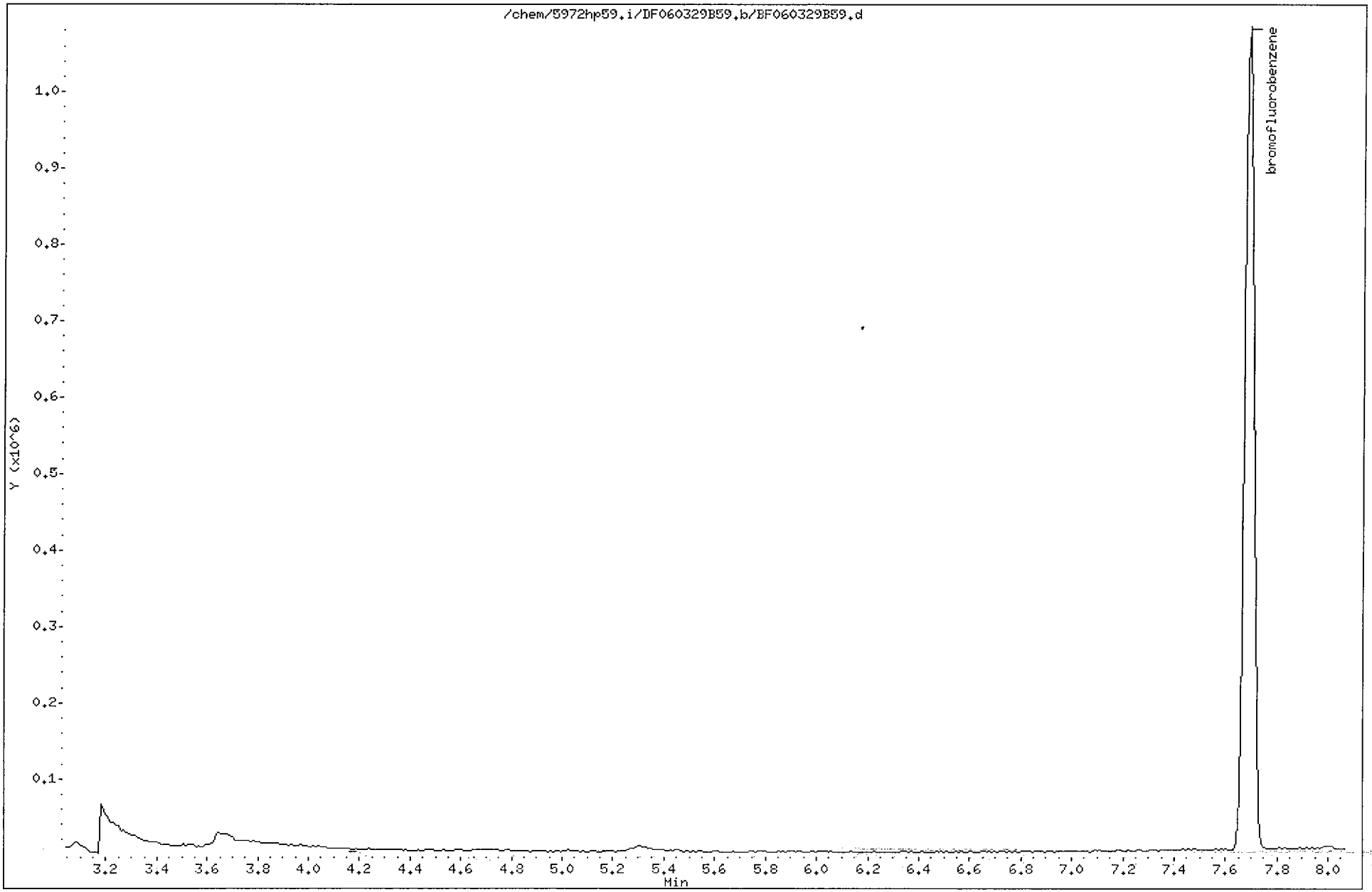
Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d
Date : 29-MAR-2006 21:47
Client ID: BFB
Sample Info: BFB:2481

Instrument: 5972hp59.i

Operator: 2481

Column phase: ZB624

Column diameter: 0.32



b. Blank Data

Arranged by type of blank (method, storage, instrument) in chronological order, by instrument. Shall include:

- Tabulated Results (Form I VOA)

- Tentatively Identified Compounds (Form I VOA-TIC)

- Reconstructed Ion Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

- Quantitation/Calculation of TIC concentrations.

- GC/MS library search spectra for TICs.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKMP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97775

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97775B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

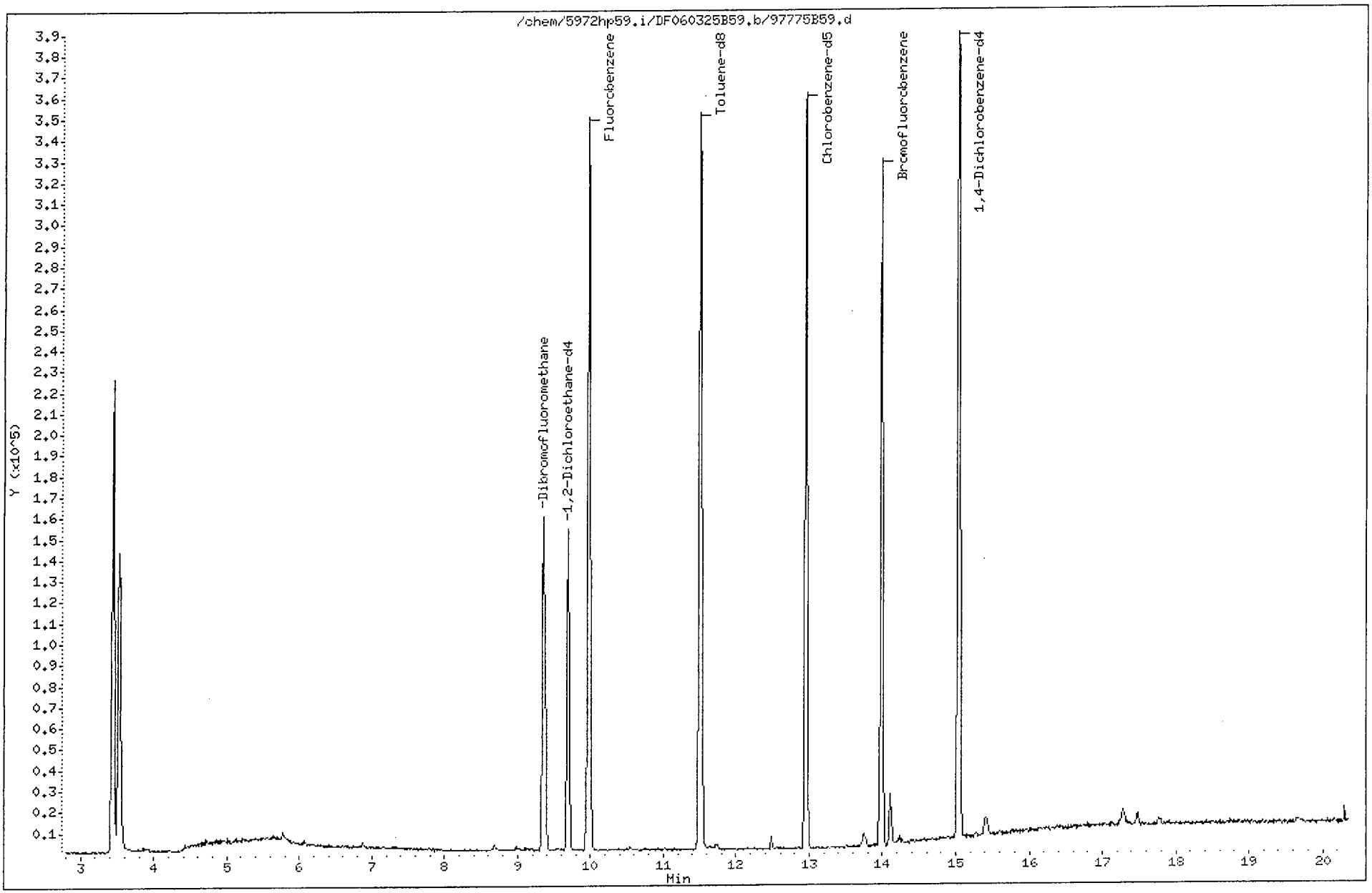
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Date : 25-MAR-2006 21:41
Client ID: VBLKMP
Sample Info: 97775:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Report Date: 28-Mar-2006 05:15

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/97775B59.d
Lab Smp Id: 97775 Client Smp ID: VBLKMP
Inj Date : 25-MAR-2006 21:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97775:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.977	9.976	(1.000)	422387	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.959	(1.000)	275739	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.046	(1.000)	132298	250.000	
$ 4 Dibromofluoromethane	113	9.357	9.356	(0.938)	122271	224.178	45
$ 5 1,2-Dichloroethane-d4	65	9.691	9.690	(0.971)	134971	236.189	47
$ 6 Toluene-d8	98	11.513	11.512	(0.888)	369329	223.429	45
$ 7 Bromofluorobenzene	95	13.984	13.983	(0.929)	157470	225.428	45
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Report Date: 28-Mar-2006 05:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060325B59.b/97775B59.d
Report Date: 30-Mar-2006 05:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/97775B59.d
Lab Smp Id: 97775 Client Smp ID: VBLKMP
Inj Date : 25-MAR-2006 21:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97775:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:59 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNE

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97799

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97799B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

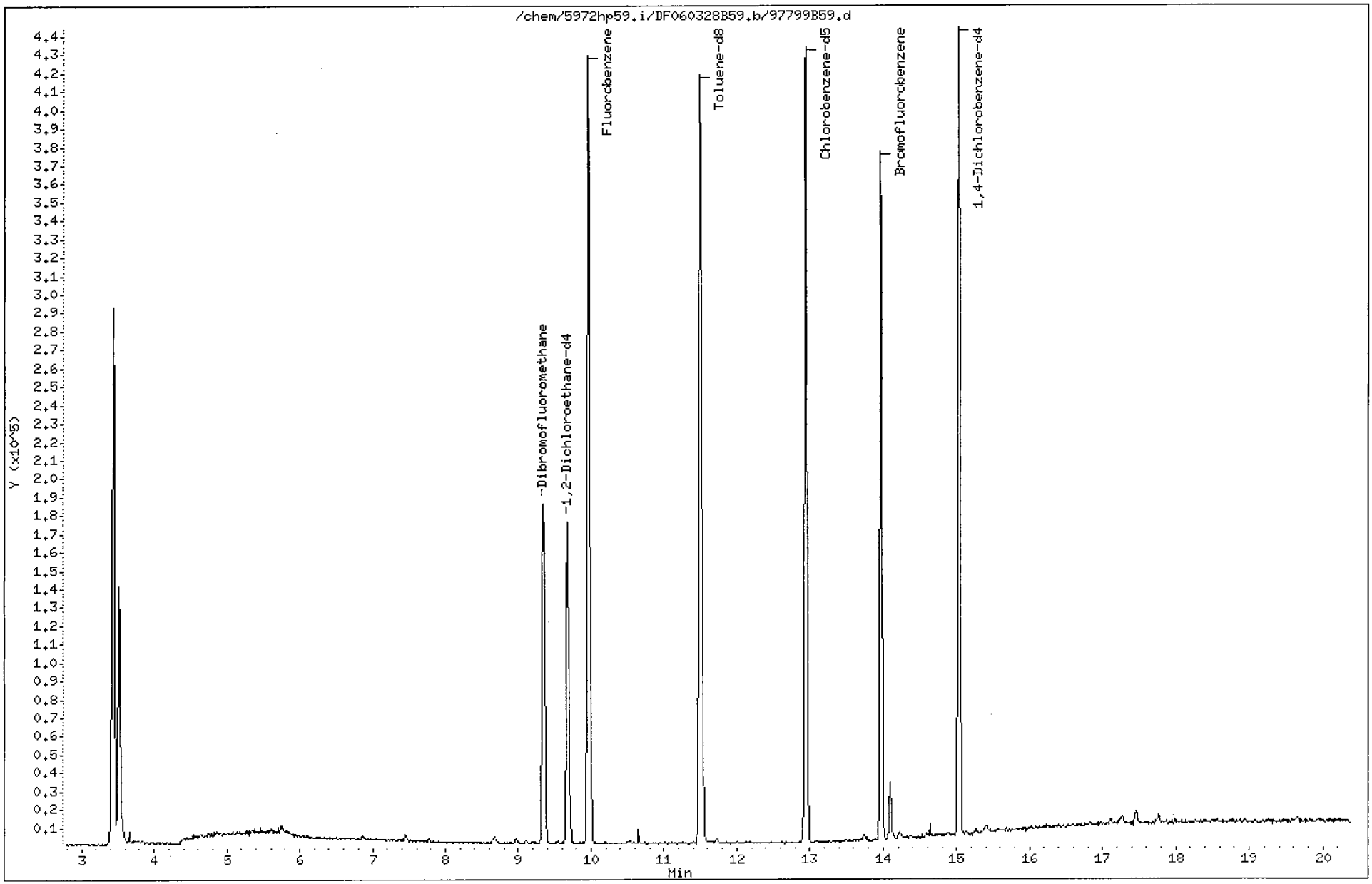
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060328B59.b/97799B59.d
Date : 28-MAR-2006 23:17
Client ID: VBLKNE
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/97799B59.d
Report Date: 29-Mar-2006 05:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/97799B59.d
Lab Smp Id: 97799 Client Smp ID: VBLKNE
Inj Date : 28-MAR-2006 23:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.967	9.967	(1.000)	504331	250.000	
* 2 Chlorobenzene-d5	117	12.950	12.950	(1.000)	316714	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.037	15.037	(1.000)	148395	250.000	
$ 4 Dibromofluoromethane	113	9.346	9.347	(0.938)	139065	213.541	43
$ 5 1,2-Dichloroethane-d4	65	9.681	9.681	(0.971)	156262	229.017	46
$ 6 Toluene-d8	98	11.502	11.503	(0.888)	437146	230.241	46
$ 7 Bromofluorobenzene	95	13.973	13.974	(0.929)	178766	228.154	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/97799B59.d
Report Date: 29-Mar-2006 05:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060328B59.b/97799B59.d
Report Date: 29-Mar-2006 05:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/97799B59.d
Lab Smp Id: 97799 Client Smp ID: VBLKNE
Inj Date : 28-MAR-2006 23:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

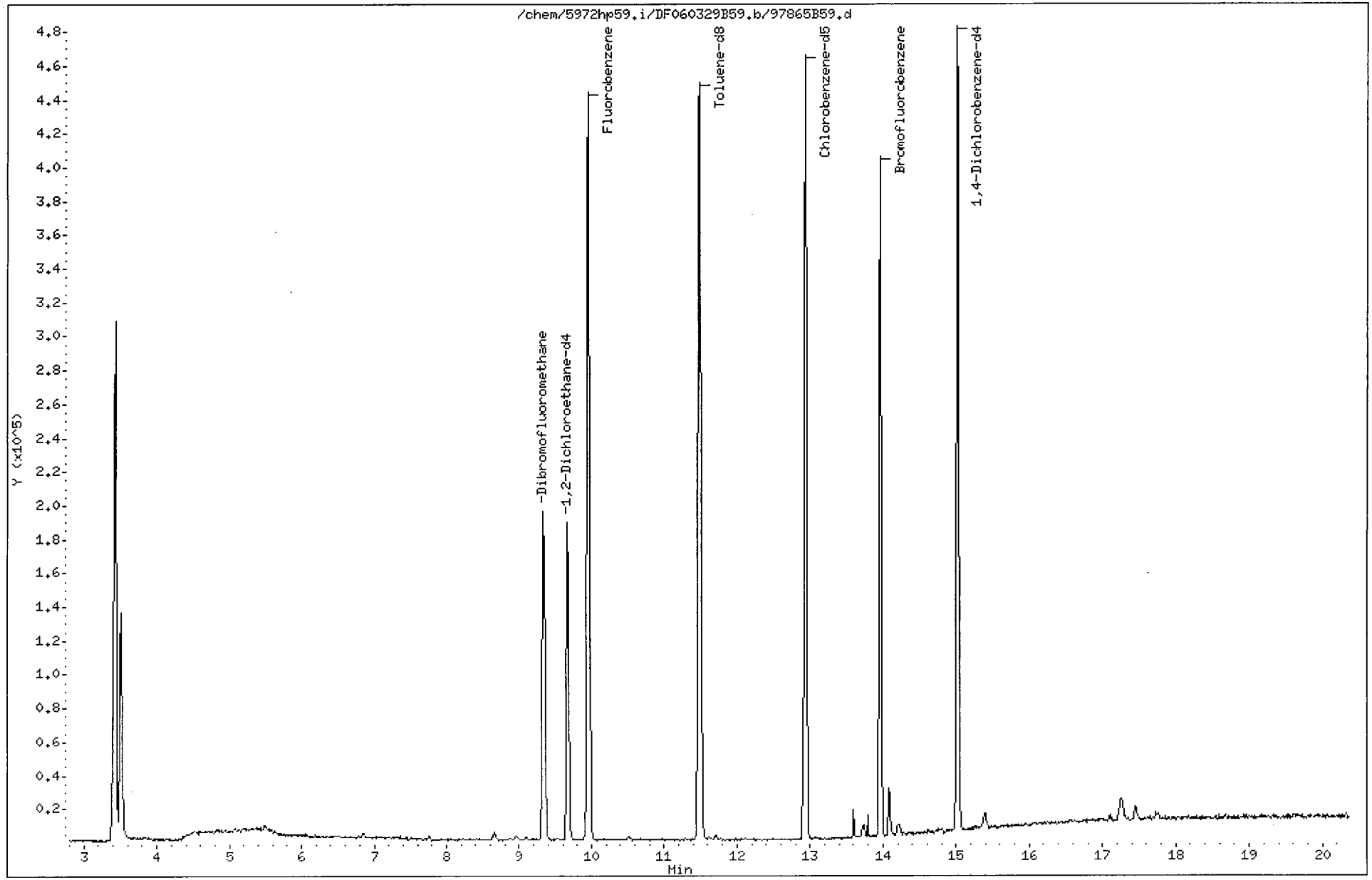
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Date : 29-MAR-2006 23:26
Client ID: VBLKNP
Instrument: 5972hp59.i
Sample Info: 97865:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97865B59.d
Lab Smp Id: 97865 Client Smp ID: VBLKNP
Inj Date : 29-MAR-2006 23:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97865:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.957	9.955	(1.000)	532792	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	339783	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	157915	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.335	(0.938)	148422	215.735	43
$ 5 1,2-Dichloroethane-d4	65	9.671	9.670	(0.971)	162490	225.423	45
$ 6 Toluene-d8	98	11.492	11.491	(0.889)	469201	230.346	46
$ 7 Bromofluorobenzene	95	13.963	13.962	(0.930)	191316	229.451	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97865B59.d
Lab Smp Id: 97865 Client Smp ID: VBLKNP
Inj Date : 29-MAR-2006 23:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97865:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

c. Laboratory Control Sample Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	49	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	61	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl-tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	57	
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	58	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	57	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	57	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VMPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97778

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97778B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/25/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

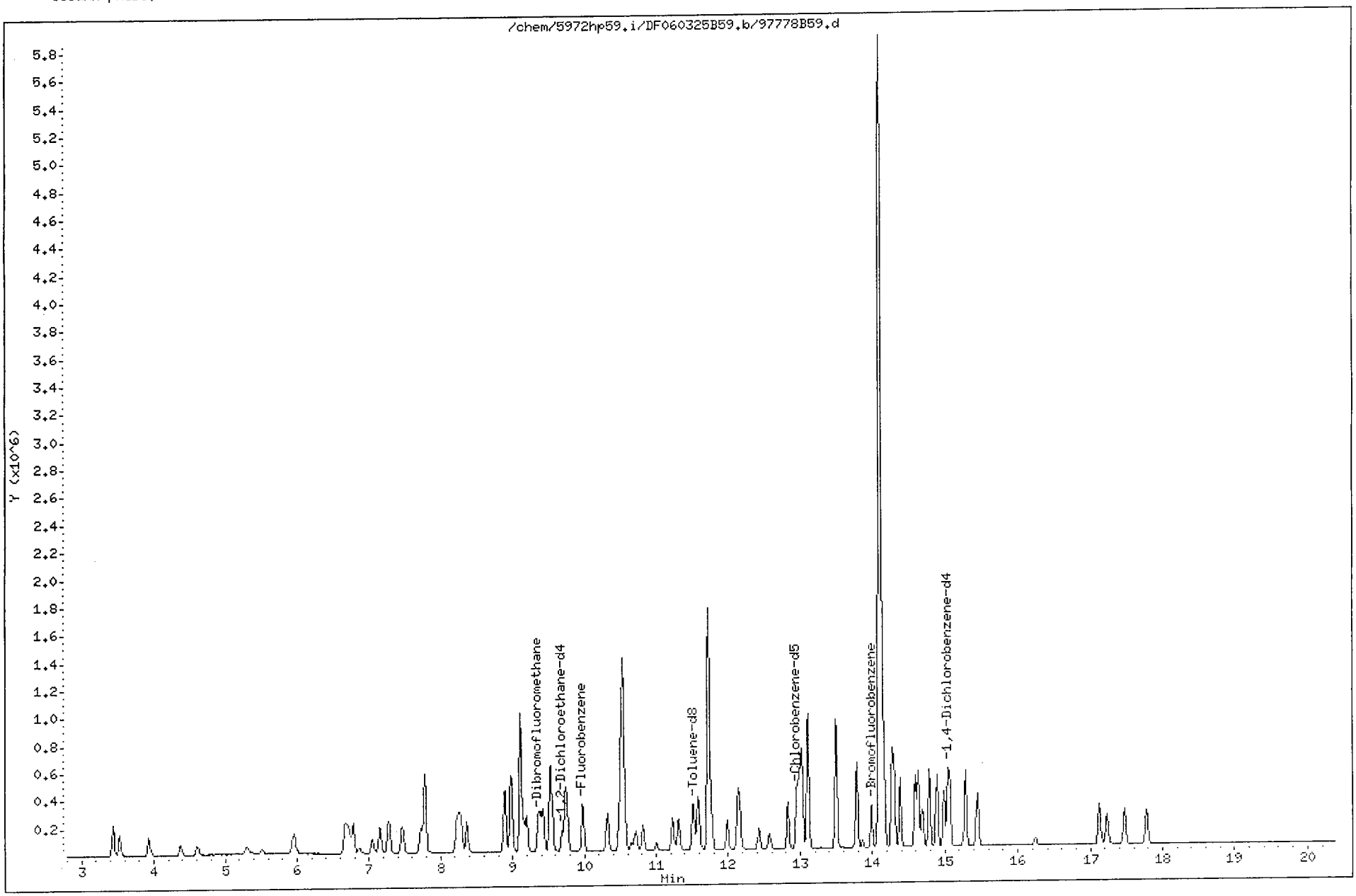
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	56	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	59	
95-50-1	1,2-Dichlorobenzene	58	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	62	
1330-20-7	Xylene (total)	170	
79-20-9	Methyl acetate	62	
110-82-7	Cyclohexane	72	
108-87-2	Methylcyclohexane	75	

Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Date : 25-MAR-2006 22:18
Client ID: VMPLCS
Sample Info: 97778;2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Report Date: 28-Mar-2006 04:53

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060325B59.b/97778B59.d
Lab Smp Id: 97778 Client Smp ID: VMPLCS
Inj Date : 25-MAR-2006 22:18
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97778:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060325B59.b/W8260B_5ppbv8.m
Meth Date : 28-Mar-2006 04:49 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.971	9.976	(1.000)	412616	250.000	
* 2 Chlorobenzene-d5	117	12.954	12.959	(1.000)	272737	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.042	15.046	(1.000)	129364	250.000	
$ 4 Dibromofluoromethane	113	9.361	9.356	(0.939)	115973	217.666	44
$ 5 1,2-Dichloroethane-d4	65	9.696	9.690	(0.972)	132116	236.667	47
$ 6 Toluene-d8	98	11.517	11.512	(0.889)	366586	224.210	45
$ 7 Bromofluorobenzene	95	13.988	13.983	(0.930)	153088	224.125	45
8 Dichlorodifluoromethane	85	3.927	3.931	(0.394)	205950	291.845	58
9 Chloromethane	50	4.370	4.374	(0.438)	131678	259.954	52
10 Vinyl Chloride	62	4.606	4.610	(0.462)	96405	265.045	53
11 Bromomethane	94	5.305	5.309	(0.532)	79841	238.980	48
12 Chloroethane	64	5.521	5.516	(0.554)	46176	243.092	49
13 Trichlorofluoromethane	101	5.955	5.959	(0.597)	203473	269.638	54
15 1,1-Dichloroethene	96	6.782	6.786	(0.680)	106643	246.298	49
17 Acetone	43	6.870	6.875	(0.689)	77070	817.624	160

Data File: /chem/5972hp59.i/DF060325B59.b/97778B59.d
Report Date: 28-Mar-2006 04:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.723	6.717	(0.674)	144086	303.591	61
20 Carbon disulfide	76	7.146	7.150	(0.717)	407681	262.787	53
23 Methyl acetate	43	7.274	7.269	(0.729)	79571	310.744	62
24 Methylene Chloride	84	7.461	7.465	(0.748)	125055	254.902	51
26 trans-1,2-Dichloroethene	96	7.786	7.790	(0.781)	121907	246.944	49
28 Methyl-tert-butyl ether	73	7.727	7.731	(0.775)	307202	276.510	55
29 1,1-Dichloroethane	63	8.288	8.292	(0.831)	233683	266.193	53
33 cis-1,2-Dichloroethene	96	8.898	8.903	(0.892)	129222	247.662	50
37 2-butanone	43	8.879	8.873	(0.890)	114635	751.459	150
40 Chloroform	83	9.194	9.198	(0.922)	232341	267.633	54
41 1,1,1-Trichloroethane	97	9.381	9.385	(0.941)	193248	268.324	54
42 Cyclohexane	56	9.430	9.425	(0.946)	204614	360.040	72
44 Carbon Tetrachloride	117	9.538	9.543	(0.957)	159702	282.847	57
45 1,2-Dichloroethane	62	9.765	9.769	(0.979)	179097	289.810	58
47 Benzene	78	9.745	9.740	(0.977)	447879	258.523	52
48 Trichloroethene	130	10.316	10.320	(1.035)	108251	241.495	48
49 Methylcyclohexane	83	10.493	10.498	(1.052)	178716	376.847	75
50 1,2-Dichloropropane	63	10.562	10.567	(1.059)	120396	264.824	53
54 Bromodichloromethane	83	10.818	10.823	(1.085)	163948	267.583	54
56 cis-1,3-Dichloropropene	75	11.232	11.236	(1.126)	195540	264.932	53
57 4-Methyl-2-pentanone	43	11.310	11.315	(0.873)	245467	760.585	150
58 Toluene	92	11.586	11.591	(0.894)	279890	264.538	53
59 trans-1,3-Dichloropropene	75	11.773	11.778	(0.909)	183114	283.694	57
60 1,1,2-Trichloroethane	97	11.990	11.994	(0.926)	94456	270.974	54
63 Tetrachloroethene	164	12.147	12.142	(0.938)	84990	287.045	57
64 2-hexanone	43	12.127	12.132	(0.936)	176674	778.594	160
65 Dibromochloromethane	129	12.423	12.427	(0.959)	102774	257.625	52
66 1,2-Dibromoethane	107	12.570	12.575	(0.970)	107115	274.184	55
67 Chlorobenzene	112	12.984	12.988	(1.002)	296864	266.196	53
70 Ethylbenzene	106	13.014	13.018	(1.005)	156335	291.773	58
72 m,p-Xylene (part of total)	106	13.112	13.107	(1.012)	392154	590.025	120
74 o-Xylene (part of total)	106	13.496	13.491	(1.042)	187685	284.649	57
75 Styrene	104	13.506	13.500	(1.043)	327598	281.034	56
76 Bromoform	173	13.772	13.766	(1.063)	72048	274.213	55
78 Isopropyl Benzene	105	13.781	13.786	(1.064)	502626	322.842	65
79 1,1,2,2-Tetrachloroethane	83	14.077	14.071	(0.936)	138180	291.778	58
91 1,3-Dichlorobenzene	146	14.992	14.987	(0.997)	218574	293.105	59
93 1,4-Dichlorobenzene	146	15.071	15.066	(1.002)	222957	292.522	59
94 1,2-Dichlorobenzene	146	15.445	15.450	(1.027)	200462	292.021	58
96 1,2-Dibromo-3-Chloropropane	157	16.243	16.237	(1.080)	21740	285.268	57
97 1,2,4-Trichlorobenzene	180	17.129	17.133	(1.139)	140897	308.629	62
M 102 Xylene (total)	106				579839	874.674	170

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNELCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97802B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	54	
75-01-4	Vinyl Chloride	54	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	51	
75-35-4	1,1-Dichloroethene	43	
75-15-0	Carbon disulfide	49	
76-13-1	1,1,2-trichloro-1,2,2-triflu	51	
67-64-1	Acetone	170	
75-09-2	Methylene Chloride	49	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	160	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	47	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	170	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	52	
127-18-4	Tetrachloroethene	50	
591-78-6	2-hexanone	170	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	51	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNELCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97802B59

Level: (low/med) LOW Date Received: _____

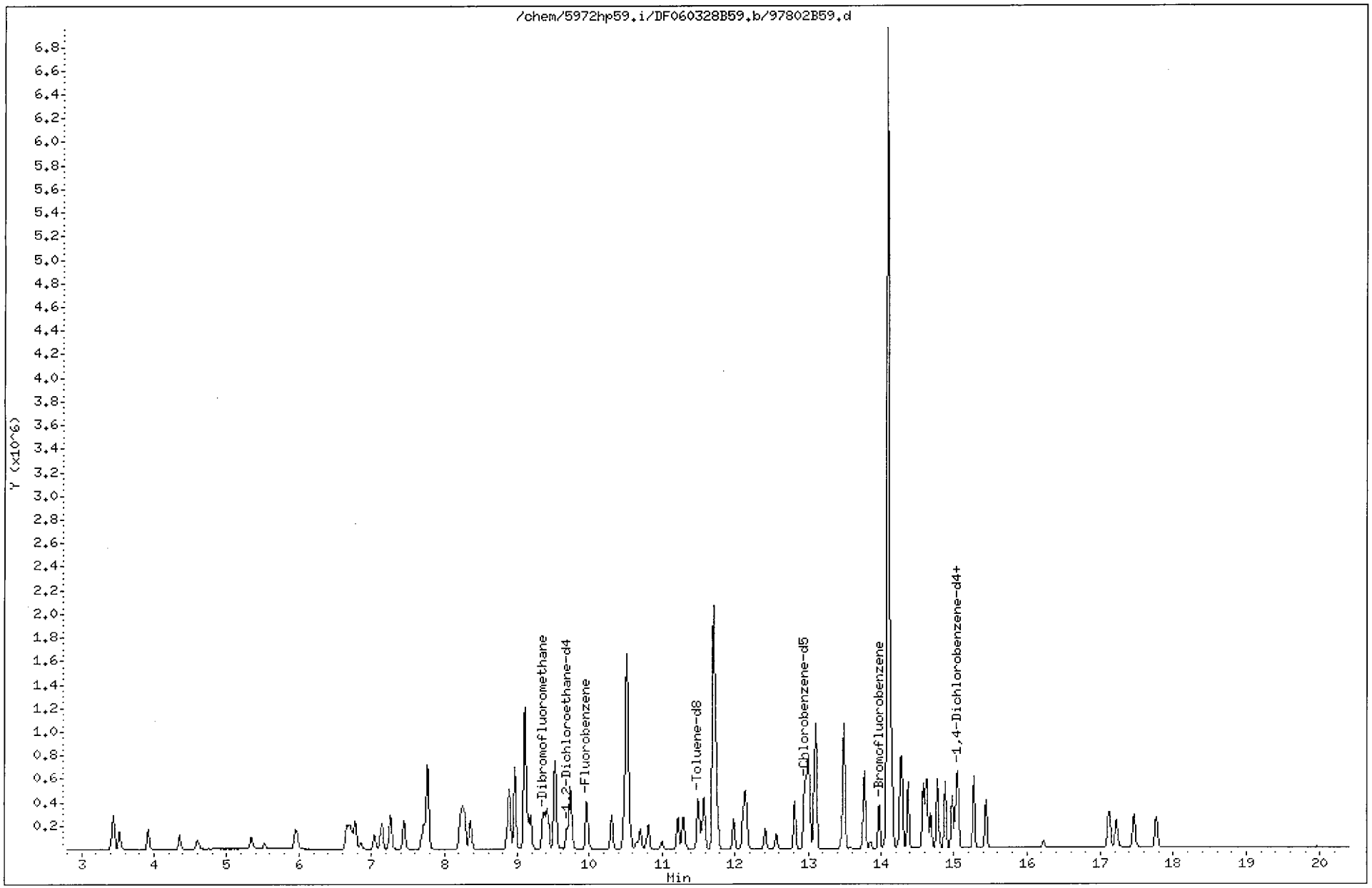
% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	53	
100-42-5	Styrene	51	
75-25-2	Bromoform	49	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	59	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	55	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	65	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	66	

Data File: /chem/5972hp59.i/DF060328B59.b/97802B59.d
Date : 28-MAR-2006 23:53
Client ID: VNELCS
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060328B59.b/97802B59.d
Report Date: 30-Mar-2006 05:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060328B59.b/97802B59.d
Lab Smp Id: 97802 Client Smp ID: VNELCS
Inj Date : 28-MAR-2006 23:53
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060328B59.b/W8260B_5ppbv8.m
Meth Date : 29-Mar-2006 04:36 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	9.963	9.967	(1.000)	501102	250.000	
*	2 Chlorobenzene-d5	117	12.946	12.950	(1.000)	319724	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.033	15.037	(1.000)	152720	250.000	
$	4 Dibromofluoromethane	113	9.352	9.347	(0.939)	139665	215.845	43
$	5 1,2-Dichloroethane-d4	65	9.687	9.681	(0.972)	160928	237.375	47
$	6 Toluene-d8	98	11.499	11.503	(0.888)	440121	229.626	46
$	7 Bromofluorobenzene	95	13.979	13.974	(0.930)	184052	228.248	46
	8 Dichlorodifluoromethane	85	3.918	3.922	(0.393)	226165	263.898	53
	9 Chloromethane	50	4.351	4.355	(0.437)	165468	268.978	54
	10 Vinyl Chloride	62	4.597	4.601	(0.461)	119077	269.568	54
	11 Bromomethane	94	5.345	5.340	(0.537)	99366	245.296	49
	12 Chloroethane	64	5.523	5.527	(0.554)	57880	251.436	50
	13 Trichlorofluoromethane	101	5.956	5.970	(0.598)	234257	255.615	51
	15 1,1-Dichloroethene	96	6.773	6.777	(0.680)	112295	213.554	43
	17 Acetone	43	6.852	6.856	(0.688)	95164	831.880	170

SAP
03/28/06

Data File: /chem/5972hp59.i/DF060328B59.b/97802B59.d
Report Date: 30-Mar-2006 05:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.714	6.728	(0.674)	146930	254.916	51
20 Carbon disulfide	76	7.137	7.141	(0.716)	458590	243.404	49
23 Methyl acetate	43	7.255	7.259	(0.728)	100628	323.583	65
24 Methylene Chloride	84	7.452	7.456	(0.748)	145508	244.218	49
26 trans-1,2-Dichloroethene	96	7.777	7.781	(0.781)	131332	219.058	44
28 Methyl-tert-butyl ether	73	7.718	7.722	(0.775)	350004	259.406	52
29 1,1-Dichloroethane	63	8.279	8.283	(0.831)	270030	253.280	51
33 cis-1,2-Dichloroethene	96	8.890	8.894	(0.892)	141657	223.554	45
37 2-butanone	43	8.870	8.864	(0.890)	146640	791.517	160
40 Chloroform	83	9.185	9.189	(0.922)	260746	247.316	49
41 1,1,1-Trichloroethane	97	9.372	9.376	(0.941)	204756	234.100	47
42 Cyclohexane	56	9.421	9.425	(0.946)	235031	340.534	68
44 Carbon Tetrachloride	117	9.530	9.534	(0.957)	160779	234.472	47
45 1,2-Dichloroethane	62	9.756	9.760	(0.979)	202213	269.435	54
47 Benzene	78	9.736	9.740	(0.977)	514469	244.522	49
48 Trichloroethene	130	10.307	10.311	(1.035)	113790	209.026	42
49 Methylcyclohexane	83	10.485	10.489	(1.052)	190222	330.280	66
50 1,2-Dichloropropane	63	10.553	10.557	(1.059)	147391	266.954	53
54 Bromodichloromethane	83	10.809	10.813	(1.085)	187249	251.647	50
56 cis-1,3-Dichloropropene	75	11.223	11.217	(1.126)	229160	255.657	51
57 4-Methyl-2-pentanone	43	11.302	11.296	(0.873)	321769	850.487	170
58 Toluene	92	11.577	11.572	(0.894)	304261	245.310	49
59 trans-1,3-Dichloropropene	75	11.764	11.768	(0.909)	211318	279.276	56
60 1,1,2-Trichloroethane	97	11.981	11.985	(0.925)	105821	258.963	52
63 Tetrachloroethene	164	12.138	12.143	(0.938)	86426	248.998	50
64 2-hexanone	43	12.119	12.113	(0.936)	228216	857.933	170
65 Dibromochloromethane	129	12.414	12.418	(0.959)	113985	243.737	49
66 1,2-Dibromoethane	107	12.562	12.566	(0.970)	117693	256.987	51
67 Chlorobenzene	112	12.975	12.979	(1.002)	316992	242.471	48
70 Ethylbenzene	106	13.005	13.009	(1.005)	165463	263.426	53
72 m,p-Xylene (part of total)	106	13.103	13.097	(1.012)	407655	523.209	100
74 o-Xylene (part of total)	106	13.487	13.481	(1.042)	203088	262.744	53
75 Styrene	104	13.497	13.491	(1.043)	350213	256.282	51
76 Bromoform	173	13.753	13.757	(1.062)	76160	247.265	49
78 Isopropyl Benzene	105	13.773	13.777	(1.064)	518812	284.265	57
79 1,1,2,2-Tetrachloroethane	83	14.068	14.062	(0.936)	164852	294.862	59
91 1,3-Dichlorobenzene	146	14.984	14.978	(0.997)	227702	258.648	52
93 1,4-Dichlorobenzene	146	15.053	15.057	(1.001)	235551	261.782	52
94 1,2-Dichlorobenzene	146	15.437	15.441	(1.027)	211144	260.542	52
96 1,2-Dibromo-3-Chloropropane	157	16.224	16.228	(1.079)	23862	265.227	53
97 1,2,4-Trichlorobenzene	180	17.120	17.114	(1.139)	149119	276.685	55
M 102 Xylene (total)	106				610743	785.954	160

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	44	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	47	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	48	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	140	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	48	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	46	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

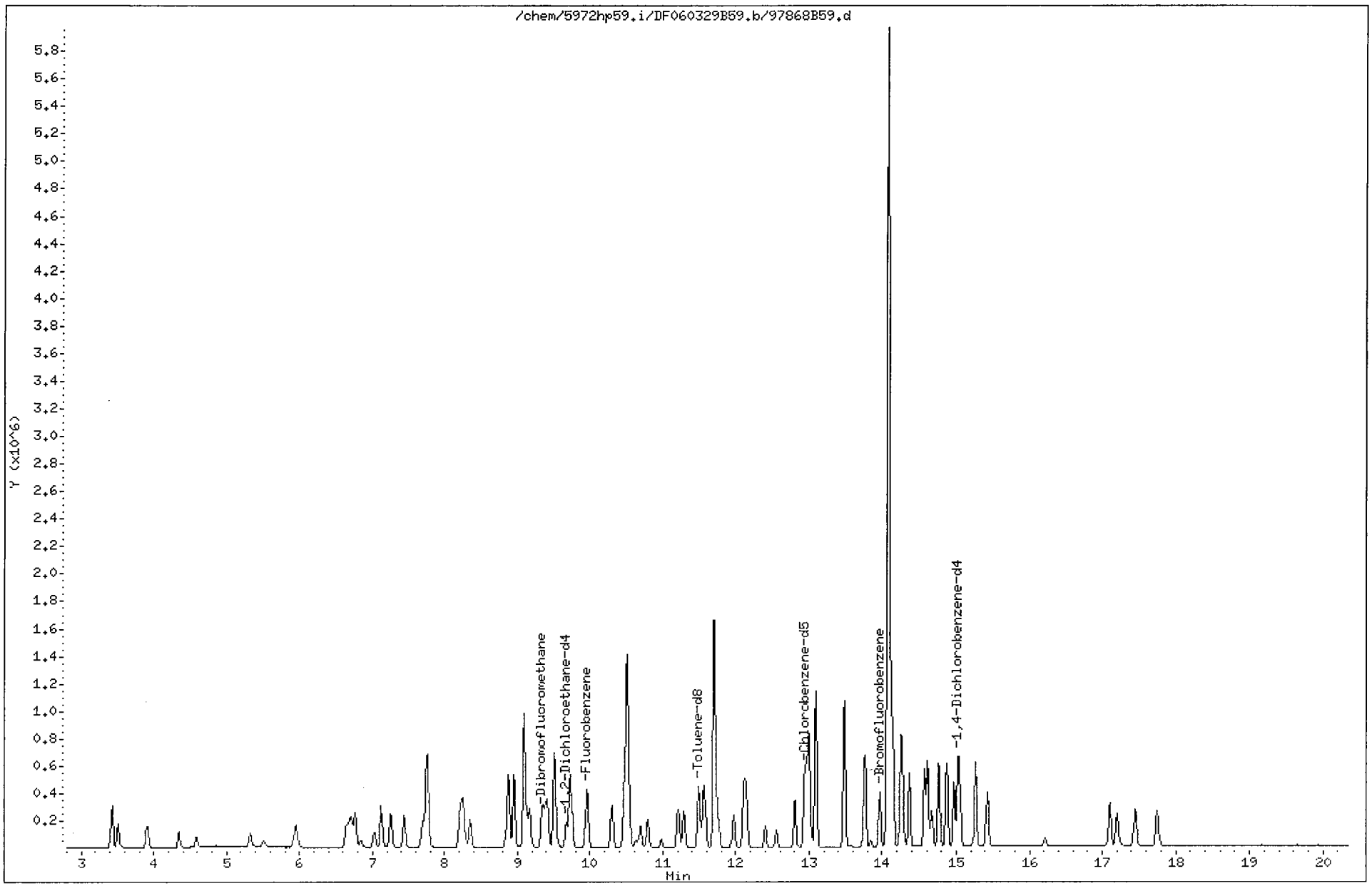
% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	49	
75-25-2	Bromoform	46	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-Chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	54	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	52	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Date : 30-MAR-2006 00:03
Client ID: VNPLCS
Instrument: 5972hp59.i
Sample Info: 97868;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Report Date: 30-Mar-2006 03:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97868B59.d
Lab Smp Id: 97868 Client Smp ID: VNPLCS
Inj Date : 30-MAR-2006 00:03
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97868:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.957	9.955	(1.000)	525445	250.000	
* 2 Chlorobenzene-d5	117	12.940	12.938	(1.000)	342545	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	156482	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.335	(0.938)	144744	213.331	43
$ 5 1,2-Dichloroethane-d4	65	9.671	9.670	(0.971)	159637	224.562	45
$ 6 Toluene-d8	98	11.492	11.491	(0.888)	459660	223.843	45
$ 7 Bromofluorobenzene	95	13.963	13.962	(0.930)	194915	235.909	47
8 Dichlorodifluoromethane	85	3.902	3.911	(0.392)	224691	250.032	50
9 Chloromethane	50	4.345	4.344	(0.436)	161879	250.953	50
10 Vinyl Chloride	62	4.591	4.590	(0.461)	118419	255.659	51
11 Bromomethane	94	5.329	5.328	(0.535)	99994	234.775	47
12 Chloroethane	64	5.516	5.515	(0.554)	57478	237.252	47
13 Trichlorofluoromethane	101	5.950	5.948	(0.598)	234149	243.660	49
15 1,1-Dichloroethene	96	6.767	6.766	(0.680)	122603	222.356	44
17 Acetone	43	6.845	6.844	(0.688)	86149	713.481	140

3304

Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Report Date: 30-Mar-2006 03:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	6.718	6.707	(0.675)	160748	265.969	53
20	Carbon disulfide	76	7.131	7.130	(0.716)	527478	266.997	53
23	Methyl acetate	43	7.249	7.248	(0.728)	84054	257.765	52
24	Methylene Chloride	84	7.436	7.435	(0.747)	147917	236.760	47
26	trans-1,2-Dichloroethene	96	7.761	7.770	(0.779)	139359	221.678	44
28	Methyl-tert-butyl ether	73	7.702	7.701	(0.774)	340374	240.581	48
29	1,1-Dichloroethane	63	8.263	8.262	(0.830)	282814	252.981	51
33	cis-1,2-Dichloroethene	96	8.883	8.882	(0.892)	149480	224.971	45
37	2-butanone	43	8.854	8.853	(0.889)	134721	693.493	140
40	Chloroform	83	9.179	9.178	(0.922)	270687	244.850	49
41	1,1,1-Trichloroethane	97	9.366	9.365	(0.941)	218144	237.852	48
42	Cyclohexane	56	9.415	9.414	(0.946)	246391	340.455	68
44	Carbon Tetrachloride	117	9.523	9.522	(0.956)	174372	242.514	49
45	1,2-Dichloroethane	62	9.740	9.739	(0.978)	196805	250.080	50
47	Benzene	78	9.720	9.729	(0.976)	531429	240.881	48
48	Trichloroethene	130	10.301	10.300	(1.035)	120274	210.701	42
49	Methylcyclohexane	83	10.468	10.477	(1.051)	210340	348.291	70
50	1,2-Dichloropropane	63	10.537	10.536	(1.058)	150556	260.053	52
54	Bromodichloromethane	83	10.793	10.792	(1.084)	188852	242.043	48
56	cis-1,3-Dichloropropene	75	11.207	11.206	(1.126)	229760	244.451	49
57	4-Methyl-2-pentanone	43	11.286	11.284	(0.872)	298408	736.193	150
58	Toluene	92	11.561	11.560	(0.893)	322575	242.749	49
59	trans-1,3-Dichloropropene	75	11.748	11.757	(0.908)	208180	256.800	51
60	1,1,2-Trichloroethane	97	11.975	11.974	(0.925)	106208	242.594	49
63	Tetrachloroethene	164	12.122	12.121	(0.937)	95161	255.899	51
64	2-hexanone	43	12.103	12.102	(0.935)	211548	742.291	150
65	Dibromochloromethane	129	12.408	12.407	(0.959)	114970	229.464	46
66	1,2-Dibromoethane	107	12.556	12.554	(0.970)	113203	230.715	46
67	Chlorobenzene	112	12.969	12.968	(1.002)	331292	236.527	47
70	Ethylbenzene	106	12.999	12.988	(1.005)	173532	257.866	52
72	m,p-Xylene (part of total)	106	13.087	13.086	(1.011)	434705	520.757	100
74	o-Xylene (part of total)	106	13.471	13.470	(1.041)	209764	253.301	51
75	Styrene	104	13.481	13.480	(1.042)	356468	243.480	49
76	Bromoform	173	13.747	13.746	(1.062)	75528	228.877	46
78	Isopropyl Benzene	105	13.767	13.765	(1.064)	554913	283.789	57
79	1,1,2,2-Tetrachloroethane	83	14.052	14.051	(0.936)	156328	272.894	55
91	1,3-Dichlorobenzene	146	14.968	14.966	(0.997)	235665	261.257	52
93	1,4-Dichlorobenzene	146	15.046	15.045	(1.002)	238676	258.878	52
94	1,2-Dichlorobenzene	146	15.430	15.429	(1.028)	213595	257.230	51
96	1,2-Dibromo-3-Chloropropane	157	16.218	16.217	(1.080)	22394	242.926	49
97	1,2,4-Trichlorobenzene	180	17.104	17.103	(1.139)	148344	268.629	54
M 102	Xylene (total)	106				644469	774.058	150

d. Matrix Spike Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97871

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97871B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	4.3	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97871

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97871B59

Level: (low/med) LOW Date Received: 03/27/06

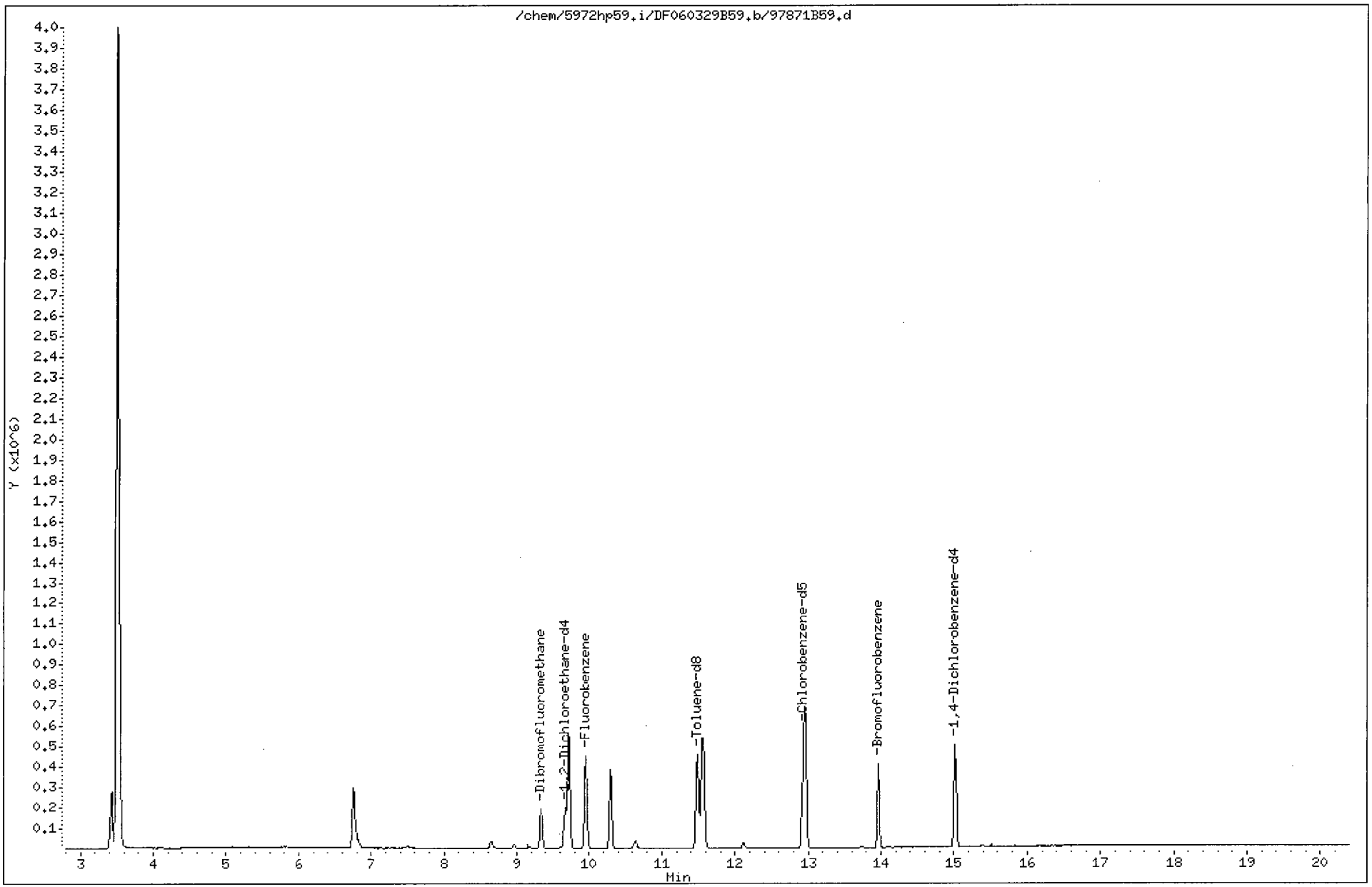
% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	56	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

Data File: /chem/5972hp59.i/DF060329B59.b/97871B59.d
Date : 30-MAR-2006 02:37
Client ID: ACSGWMW30-27MS
Instrument: 5972hp59.i
Sample Info: 97871:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97871B59.d
Report Date: 30-Mar-2006 03:30

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97871B59.d
Lab Smp Id: 97871 Client Smp ID: ACSGWMW30-27MS
Inj Date : 30-MAR-2006 02:37
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97871:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.950	9.955	(1.000)	532412	250.000	
* 2 Chlorobenzene-d5	117	12.933	12.938	(1.000)	338012	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.020	15.026	(1.000)	160624	250.000	
$ 4 Dibromofluoromethane	113	9.339	9.335	(0.939)	150041	218.244	44
$ 5 1,2-Dichloroethane-d4	65	9.664	9.670	(0.971)	170655	236.919	47
$ 6 Toluene-d8	98	11.485	11.491	(0.888)	471577	232.726	47
$ 7 Bromofluorobenzene	95	13.966	13.962	(0.930)	193138	227.730	46
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	6.760	6.766	(0.679)	150910	270.112	54
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/97871B59.d
Report Date: 30-Mar-2006 03:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.713	9.729	(0.976)	642520	287.424	57
48	Trichloroethene	130	10.294	10.300	(1.035)	144436	249.718	50
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	11.564	11.560	(0.894)	388499	296.280	59
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	12.125	12.121	(0.938)	7925	21.5970	4.3(a)
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	12.962	12.968	(1.002)	389439	281.770	56
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
ACSGWMW30-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97872

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97872B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	3.9	J
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 97872

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97872B59

Level: (low/med) LOW Date Received: 03/27/06

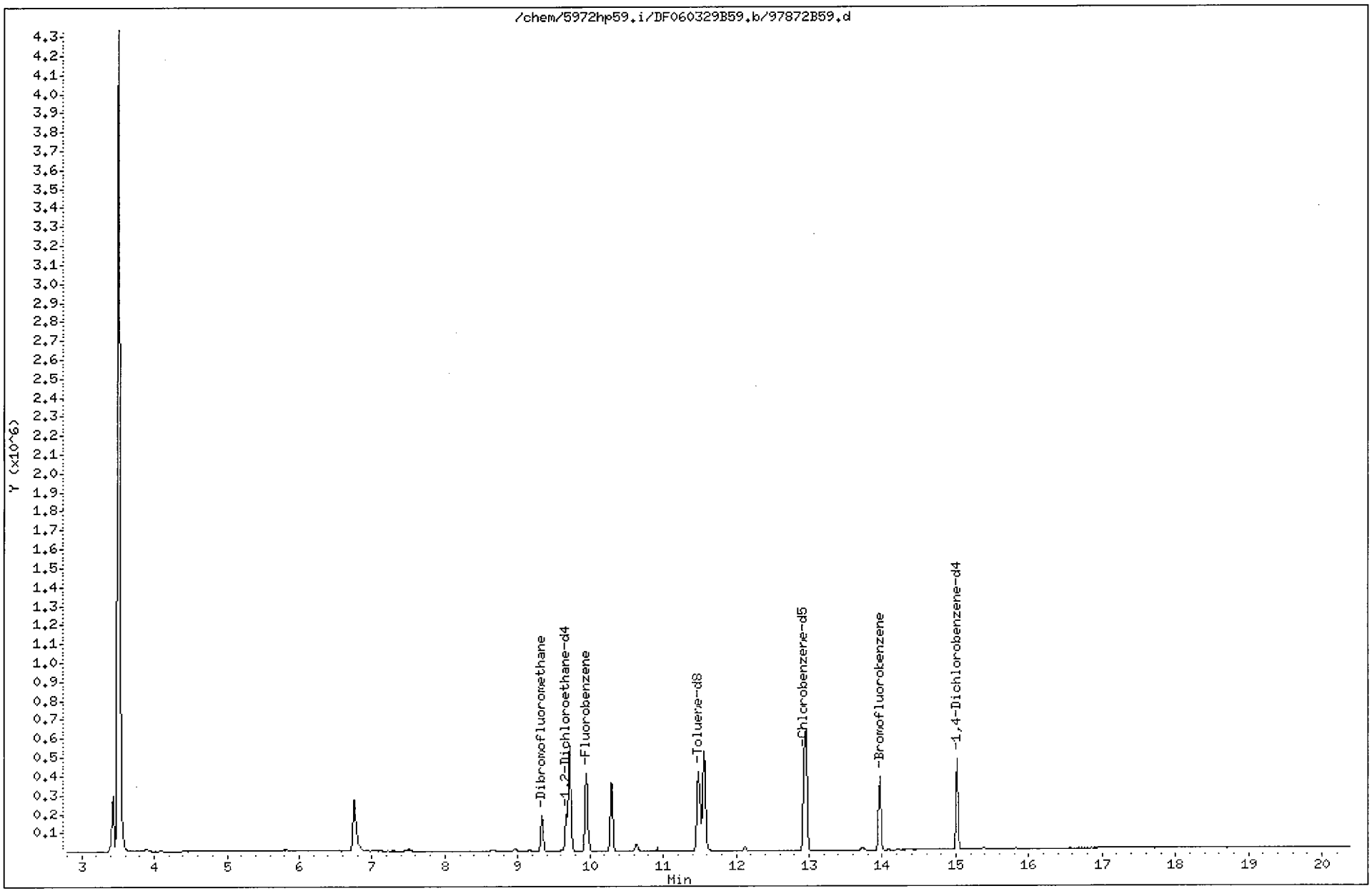
% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	57	
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

Data File: /chem/5972hp59.i/DF060329B59.b/97872B59.d
Date : 30-MAR-2006 03:06
Client ID: ACSGWMW30-27MSD
Instrument: 5972hp59.i
Sample Info: 97872:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97872B59.d
Report Date: 30-Mar-2006 03:30

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97872B59.d
Lab Smp Id: 97872 Client Smp ID: ACSGWMW30-27MSD
Inj Date : 30-MAR-2006 03:06
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97872:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.957	9.955	(1.000)	506318	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	316313	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	146167	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.335	(0.938)	138144	211.295	42
$ 5 1,2-Dichloroethane-d4	65	9.671	9.670	(0.971)	165177	241.132	48
$ 6 Toluene-d8	98	11.482	11.491	(0.888)	441593	232.878	47
$ 7 Bromofluorobenzene	95	13.963	13.962	(0.930)	181231	234.826	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	6.767	6.766	(0.680)	142687	268.556	54
17 Acetone	43	Compound Not Detected.					

ff 3309

Data File: /chem/5972hp59.i/DF060329B59.b/97872B59.d
Report Date: 30-Mar-2006 03:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.720	9.729	(0.976)	618998	291.172	58
48	Trichloroethene	130	10.301	10.300	(1.035)	138557	251.899	50
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	11.561	11.560	(0.894)	362545	295.453	59
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	12.122	12.121	(0.938)	6702	19.5171	3.9(a)
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	12.959	12.968	(1.002)	368037	284.552	57
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS-89

Collection Date: March 23 through March 24, 2006

LDC Report Date: April 28, 2006

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: CompuChem

Sample Delivery Group (SDG): 9433

Sample Identification

ACSGWLA13-27
ACSGWMW53-27
ACSGWLA12-27
ACSGWLA11-27
ACSGWMW57-27
ACSGWEB02-27
ACSGWTB04-27
ACSGWMW52-27
ACSGWMW51-27
ACSGWMW30-27
ACSGWMW33-27
ACSGWMW55-27
ACSGWMW54R-27
ACSGWMW32-27
ACSGWMW31-27
ACSGWEB03-27
ACSGWMW30-27MS
ACSGWMW30-27MSD

Introduction

This data review covers 18 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for selected compounds.

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

Average relative response factors (RRF) for all system performance check compounds (SPCCs) were within method criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
3/25/06	Acetone	29.28	ACSGWLA13-27 ACSGWMW53-27	J (all detects) UJ (all non-detects)	A
	Cyclohexane	29.99	ACSGWLA12-27 ACSGWLA11-27 ACSGWMW57-27 ACSGWEB02-27 VBLKMP	J (all detects) UJ (all non-detects)	

Date	Compound	%D	Associated Samples	Flag	A or P
3/29/06	Acetone Cyclohexane Methyl cyclohexane	25.87 36.95 45.24	ACSGWMW55-27 ACSGWMW54R-27 ACSGWMW32-27 ACSGWMW31-27 ACSGWEB03-27 ACSGWMW30-27MS ACSGWMW30-27MSD VBLKNP	J (all detects) UJ (all non-detects)	A
3/28/06	Cyclohexane Methyl cyclohexane	44.54 49.09	ACSGWTB04-27 ACSGWMW52-27 ACSGWMW51-27 ACSGWMW30-27 ACSGWMW33-27 VBLKNE	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values for all system performance check compounds (SPCCs) were within method criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Samples ACSGWTB04-27 and ACSGWTB03-27 (from SDG 9416) were identified as trip blanks. No volatile contaminants were found in these blanks with the following exceptions:

Trip Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACSGWTB04-27	3/24/06	Acetone 2-Butanone	60 ug/L 12 ug/L	ACSGWMW52-27 ACSGWMW51-27 ACSGWMW30-27 ACSGWMW33-27 ACSGWMW55-27 ACSGWMW54R-27 ACSGWMW32-27 ACSGWMW31-27 ACSGWEB03-27

Samples ACSGWEB02-27 and ACSGWEB03-27 were identified as equipment blanks. No volatile contaminants were found in these blanks with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACSGWEB02-27	3/23/06	cis-1,2-Dichloroethene Toluene Tetrachloroethene	2.9 ug/L 1.9 ug/L 2.4 ug/L	ACSGWLA13-27 ACSGWMW53-27 ACSGWLA12-27 ACSGWLA11-27 ACSGWMW57-27
ACSGWEB03-27	3/24/06	cis-1,2-Dichloroethene Toluene	1.2 ug/L 0.75 ug/L	ACSGWMW52-27 ACSGWMW51-27 ACSGWMW30-27 ACSGWMW33-27 ACSGWMW55-27 ACSGWMW54R-27 ACSGWMW32-27 ACSGWMW31-27

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
ACSGWLA13-27	Toluene	0.86 ug/L	5.0UB ug/L
ACSGWMW52-27	Acetone	32 ug/L	32UB ug/L
ACSGWMW51-27	Acetone	20 ug/L	20UB ug/L
ACSGWMW30-27	Acetone	15 ug/L	15UB ug/L
ACSGWMW33-27	Acetone	18 ug/L	18UB ug/L
ACSGWMW54R-27	Acetone	4.8 ug/L	13UB ug/L

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

ACS-89
Volatiles - Data Qualification Summary - SDG 9433

SDG	Sample	Compound	Flag	A or P	Reason
9433	ACSGWLA13-27 ACSGWMW53-27 ACSGWLA12-27 ACSGWLA11-27 ACSGWMW57-27 ACSGWEB02-27	Acetone Cyclohexane	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9433	ACSGWMW55-27 ACSGWMW54R-27 ACSGWMW32-27 ACSGWMW31-27 ACSGWEB03-27	Acetone Cyclohexane Methyl cyclohexane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9433	ACSGWTB04-27 ACSGWMW52-27 ACSGWMW51-27 ACSGWMW30-27 ACSGWMW33-27	Cyclohexane Methyl cyclohexane	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

ACS-89
Volatiles - Laboratory Blank Data Qualification Summary - SDG 9433

No Sample Data Qualified in this SDG

ACS-89
Volatiles - Field Blank Data Qualification Summary - SDG 9433

SDG	Sample	Compound	Modified Final Concentration	A or P
9433	ACSGWLA13-27	Toluene	5.0UB ug/L	A
9433	ACSGWMW52-27	Acetone	32UB ug/L	A
9433	ACSGWMW51-27	Acetone	20UB ug/L	A
9433	ACSGWMW30-27	Acetone	15UB ug/L	A
9433	ACSGWMW33-27	Acetone	18UB ug/L	A
9433	ACSGWMW54R-27	Acetone	13UB ug/L	A

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	2.9	J	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	1.9	J	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	2.4	J	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/14/07

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

5/14/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB02-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943306

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943306B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.40	8.6	NJ
2.		UNKNOWN	8.68	5.2	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U UJ
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	0.75	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

8/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB03-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943316

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943316B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.9	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	14	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943304

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943304B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	6.5	J
3.	1066-40-6	SILANOL, TRIMETHYL-	8.68	24	NJ
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	21	NJ
5.	123-91-1	1,4-DIOXANE	10.66	11	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	8.4	J	J
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA12-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943303

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943303B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.85	16	NJ
2.		UNKNOWN	7.54	7.7	J
3.		UNKNOWN	8.68	6.3	J
4.	646-06-0	1,3-DIOXOLANE	8.99	6.6	NJ
5.	109-99-9	FURAN, TETRAHYDRO-	9.18	9.7	NJ
6.	123-91-1	1,4-DIOXANE	10.66	13	NJ
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	3.8	J	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	0.86	J	5.0UB
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

9/5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWLA13-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943301

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943301B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	22	J
2.		UNKNOWN	7.54	12	J
3.		UNKNOWN	8.68	9.4	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	88	NJ
5.	123-91-1	1,4-DIOXANE	10.66	18	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	1.3	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	15	UB
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

4/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

5/14/09

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW30-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943310

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943310B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW31-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943315B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

9/5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U UJ
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW32-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943314

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943314B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	420-56-4	SILANE, FLUOROTRIMETHYL-	4.95	10	NJ
2.		UNKNOWN	8.65	17	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	18	UB
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

8/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW33-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943311

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943311B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-87-5	METHANE, DIMETHOXY-	6.83	14	NJ
2.		UNKNOWN	8.66	12	J
3.	109-99-9	FURAN, TETRAHYDRO-	9.16	70	NJ
4.		UNKNOWN	9.62	6.3	J
5.	123-91-1	1,4-DIOXANE	10.64	9.5	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	20	UB
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

3/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
100-42-5	Styrene		5.0	U
75-25-2	Bromoform		5.0	U
98-82-8	Isopropyl Benzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		5.0	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U
1330-20-7	Xylene (total)		5.0	U
79-20-9	Methyl acetate		5.0	U
110-82-7	Cyclohexane		5.0	U UJ
108-87-2	Methylcyclohexane		5.0	U UJ

5/14/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW51-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943309

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943309B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Filtered

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	32	UB
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	6.5	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

8/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropyl Benzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	
1330-20-7	Xylene (total)	5.0	U	
79-20-9	Methyl acetate	5.0	U	
110-82-7	Cyclohexane	5.0	U	UJ
108-87-2	Methylcyclohexane	5.0	U	UJ

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW52-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943308

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943308B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	32	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	NJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	14		
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

5/11/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW53-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943302

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943302B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.85	17	J
2.		UNKNOWN	7.54	14	J
3.		UNKNOWN	8.67	9.6	J
4.	109-99-9	FURAN, TETRAHYDRO-	9.18	33	NJ
5.	123-91-1	1,4-DIOXANE	10.65	19	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	4.8	J
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

B3UBJ

FORM I VOA

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

5/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943313

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943313B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.65	18	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

9/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW55-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943312B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

8/15/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

8/15/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW57-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943305

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943305B59

Level: (low/med) LOW Date Received: 03/24/06

% Moisture: not dec. _____ Date Analyzed: 03/26/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	359-11-5	ETHENE, TRIFLUORO-	3.64	16	NJ
2.		UNKNOWN	4.88	62	J
3.	0-00-0	ETHENE, ETHYLOXY-	6.39	3000	NJ
4.		UNKNOWN	7.54	8.3	J
5.	141-78-6	ETHYL ACETATE	8.88	8.0	NJ
6.	109-99-9	FURAN, TETRAHYDRO-	9.18	26	NJ
7.		UNKNOWN	9.51	14	J
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

5/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	60	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	12	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

FORM I VOA

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9433

Matrix: (soil/water) WATER Lab Sample ID: 943307

Sample wt/vol: 5 (g/ml) ML Lab File ID: 943307B59

Level: (low/med) LOW Date Received: 03/27/06

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	8.66	20	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

8/5/12

LDC #: 14869C1
SDG #: 9433
Laboratory: CompuChem

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 4/28/06
Page: 1 of 1
Reviewer: NG
2nd Reviewer: CV

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/23-24/06
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD, r
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 6, 16 TB = 7, *ACSGWTB03-27 from 9416

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

* ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

Water

1	ACSGWLA13-27	11	ACSGWMW33-27	21	VBlk MP	31	
2	ACSGWMW53-27	12	ACSGWMW55-27	22	VBlk NE	32	
3	ACSGWLA12-27	13	ACSGWMW54R-27	23	VBlk NP	33	
4	ACSGWLA11-27	14	ACSGWMW32-27	24		34	
5	ACSGWMW57-27	15	ACSGWMW31-27	25		35	
6	ACSGWEB02-27	16	ACSGWEB03-27	26		36	
7	ACSGWTB04-27	17	ACSGWMW30-27MS	27		37	
8	ACSGWMW52-27	18	ACSGWMW30-27MSD	28		38	
9	ACSGWMW51-27	19		29		39	
10	ACSGWMW30-27	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Cyclohexane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO. Methyl cyclohexane
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 14869C1
SDG #: 9433

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

(Y) N /N/A Were field blanks identified in this SDG?
(Y) N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: EB Associated Samples: 1 - 5

Compound	Blank ID 6	Blank ID	Sample Identification							
Sampling Date	3/23/04		1							
Methylene chloride										
Acetone										
Chloroform										
QQQ	2.9									
CC	1.9		0.86 /5.0UB							
AA	2.4									
CRQL										

Blank units: ug/L **Associated sample units:** ug/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: EB Associated Samples: 8 - 15 (ND)

Compound	Blank ID 16	Blank ID	Sample Identification							
Sampling Date	3/24/04									
Methylene chloride										
Acetone										
Chloroform										
QQQ	1.2									
CC	0.75									
CRQL										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 14869 C1
SDG #: 9433

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: SW
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <25.0%)	FInding RRF (Limit: >0.05)	Associated Samples	Qualifications
	3/25/06	GTO60325B59	F	29.28		1-6, VBLKMP	J/UJ/A
			NNNN	29.99		↓	↓
	3/29/06	GTO60329B59	F	25.87		12-18, VBLKNP	J/UJ/A
			NNNN	36.95		↓	↓
			0000	45.24			
	3/28/06	GTO60328B59	NNNN	44.54		7-11, VBLKNE	J/UJ/A
			0000	49.09		↓	↓

CONCAL.1S

LDC #: 14869C1
SDG #: 9433

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N /N/A Were field blanks identified in this SDG?
Y/N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: Associated Samples: ~~All except 17~~, 8 - 16

Compound	Blank ID 7	Blank ID	Sample Identification							
Sampling Date	3/24/06		8	9	10	11	~~12~~ 13			
Methylene chloride										
Acetone	60		32/UB	20/UB	15/UB	18/UB	4.8/13 UB			
Chloroform										
M	12									
CRQL										

Blank units: _____ **Associated sample units:** _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: Associated Samples:

Compound	Blank ID	Blank ID	Sample Identification							
Sampling Date										
Methylene chloride										
Acetone										
Chloroform										
CRQL										

CIRCLED RESULTS WERE NOT QUALIFIED, ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

CompuChem
a division of Liberty Analytical Corp.

11-Apr-06

AMY CLORE
MONTGOMERY WATSON HARZA
175 WEST JACKSON BOULEVARD
SUITE 1900
Chicago, IL 606042814

Subject:
Report of Data-Project: ACS/NPL SITE Workorder: 9456

Attn.: AMY CLORE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER

OF PAGES_____

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
945801	D3GZ5	9458	W	EPA	68W03021-A	
945802	D3GZ5	9458	W	EPA	68W03021-A	
945803	D3GZ5	9458	W	EPA	68W03021-A	
945804	D3H01	9458	W	EPA	68W03021-A	
945805	D3H03	9458	W	EPA	68W03021-A	
945806	D3H05	9458	W	EPA	68W03021-A	
945807	D3H07	9458	W	EPA	68W03021-A	
945808	D3H09	9458	W	EPA	68W03021-A	
945809	D3H12	9458	W	EPA	68W03021-A	
945810	VHBLKZS	9458	W	EPA	68W03021-A	

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)
Tentatively identified compounds (Form I, TIC)
In order by sample.

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, Medium, or High)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)
Tentatively identified compounds (Form I, TIC)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 9456

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG # 9456
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWTB05-27, ACSGWMW24-27, ACSGWMW49-27, ACSGWMW48-27, ACSGWMW11-27, ACSGWDUP0427, ACSGWMW10C27, ACSGWMW10C27DL, ACSGWMW08-27, ACSGWMW23-27, ACSGWEB04-27, ACSGWMW14-27, ACSGWMW29-27, and ACSGWMW09R-27

The 13 water samples listed above (not including the dilution) were received intact, properly refrigerated at a temperature of 2.1°C, with proper documentation, in sealed shipping containers, on March 29, 2006. The samples were scheduled for the requested analysis of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze these samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for this SDG are included in the sample data section. This narrative pertains to the volatile fraction only.

VOLATILES:

Analysis holding time requirements were met for these samples. The pH value was one (1) for all these samples. The volatile Target Compound List (TCL) analyte Benzene was identified above the Contract Required Quantitation Limit (CRQL) in ACSGWMW49-27, ACSGWMW48-27, ACSGWDUP0427, ACSGWMW10C27, ACSGWMW10C27DL, and ACSGWMW09R-27 and the volatile Target Compound List (TCL) analyte Chloroethane was identified above the Contract Required Quantitation Limit (CRQL) in ACSGWMW29-27.

In the initial analysis of ACSGWMW10C27, the on-column amount of volatile target compound Benzene exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The sample was re-analyzed at a 3.3x dilution to bring the on-column amount into the calibration range. We have reported both analyses of this sample.

One or more Tentatively Identified Compounds (TICs) were found in ACSGWMW24-27, ACSGWMW49-27, ACSGWMW23-27, ACSGWEB04-27, ACSGWMW14-27, ACSGWMW29-27, and ACSGWMW09R-27.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. No matrix spike/matrix spike duplicate (MS/MSD) samples were requested with this SDG. The Laboratory Control Samples (LCS) met all recovery criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S.A Parikh

Saroj A. Parikh
GC/MS Case Reviewer
April 11, 2006

GC and GC/MS Column and Trap Specifications Table

SDG #:	9456

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
	Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating)
		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

CompuChem
a division of Liberty Analytical Corporation

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

B. Form I and Form I - TIC

Organic Analysis Data Sheet (OADS) and
Tentatively Identified Compounds (TICs)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	3.2	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	87	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.5	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	8.0	J
2.		UNKNOWN	9.74	18	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	470	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
75-15-0	Carbon disulfide	17	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	17	U
67-64-1	Acetone	42	U
75-09-2	Methylene Chloride	17	U
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl-tert-butyl ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-butanone	42	U
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	530	D
107-06-2	1,2-Dichloroethane	17	U
79-01-6	Trichloroethene	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-pentanone	42	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-hexanone	42	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropyl Benzene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-Chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U
1330-20-7	Xylene (total)	17	U
79-20-9	Methyl acetate	17	U
110-82-7	Cyclohexane	17	U
108-87-2	Methylcyclohexane	17	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	6.1	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.37	12	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	80	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	4.6	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	7.3	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	3.3	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	86	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.8	J
2.		UNKNOWN	9.68	22	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	44	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	47	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	48	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	140	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	48	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	49	
75-25-2	Bromoform	46	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-Chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	54	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	52	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VPVLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98165

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98165RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	56	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	60	
74-83-9	Bromomethane	54	
75-00-3	Chloroethane	76	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	59	
75-15-0	Carbon disulfide	57	
76-13-1	1,1,2-trichloro-1,2,2-triflu	69	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	58	
156-60-5	trans-1,2-Dichloroethene	57	
1634-04-4	Methyl-tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	57	
156-59-2	cis-1,2-Dichloroethene	58	
78-93-3	2-butanone	110	
67-66-3	Chloroform	57	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon Tetrachloride	60	
71-43-2	Benzene	59	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	59	
78-87-5	1,2-Dichloropropane	59	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	58	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	57	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	68	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	57	
106-93-4	1,2-Dibromoethane	54	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VPVLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98165

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98165RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	66	
100-42-5	Styrene	62	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	56	
541-73-1	1,3-Dichlorobenzene	68	
106-46-7	1,4-Dichlorobenzene	65	
95-50-1	1,2-Dichlorobenzene	66	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	74	
1330-20-7	Xylene (total)	190	
79-20-9	Methyl acetate	51	
110-82-7	Cyclohexane	75	
108-87-2	Methylcyclohexane	89	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VSALCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98366

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98366B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	49	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	43	
75-15-0	Carbon disulfide	48	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	48	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	160	
67-66-3	Chloroform	48	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	54	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	160	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VSALCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98366

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98366B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	50	
100-42-5	Styrene	47	
75-25-2	Bromoform	49	
98-82-8	Isopropyl Benzene	55	
79-34-5	1,1,2,2-Tetrachloroethane	56	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	47	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	46	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	61	
110-82-7	Cyclohexane	67	
108-87-2	Methylcyclohexane	67	

C. Form II

Surrogate spike analysis

- By level (low, medium, high) -

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKNP	86	90	92	92	0
02	VNPLCS	85	90	90	94	0
03	ACSGWTB05-27	87	106	94	94	0
04	ACSGWMW24-27	88	106	95	94	0
05	ACSGWMW49-27	87	105	95	95	0
06	ACSGWMW48-27	87	105	94	95	0
07	ACSGWMW11-27	86	105	94	94	0
08	ACSGWDUP0427	86	105	94	94	0
09	ACSGWMW10C27	88	105	94	95	0
10	ACSGWMW08-27	88	110	95	98	0
11	ACSGWMW23-27	89	110	95	97	0
12	VBLKPV	91	86	88	86	0
13	ACSGWEB04-27	88	80	85	84	0
14	VPVLCS	91	79	85	88	0
15	VBLKSA	89	91	88	89	0
16	VSALCS	91	93	88	89	0
17	ACSGWMW10C27	89	89	90	90	0
18	ACSGWMW14-27	90	93	88	90	0
19	ACSGWMW29-27	89	92	90	89	0
20	ACSGWMW09R27	90	95	89	89	0
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium, high) -
Laboratory Control Sample(s)

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	44.47	89	72-129
Benzene	50	48.18	96	75-125
Trichloroethene	50	42.14	84	66-147
Toluene	50	48.55	97	78-126
Chlorobenzene	50	47.31	95	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VPVLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	59.48	119	72-129
Benzene	50	59.1	118	75-125
Trichloroethene	50	59.3	119	66-147
Toluene	50	56.85	114	78-126
Chlorobenzene	50	58.4	117	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSALCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	43.4	87	72-129
Benzene	50	49.32	99	75-125
Trichloroethene	50	43.99	88	66-147
Toluene	50	46.27	93	78-126
Chlorobenzene	50	46.86	94	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I, and Form I - TIC

Method blank summary, OADS, and TICs
- In chronological order of analysis

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 97865B59 Lab Sample ID: 97865

Date Analyzed: 03/29/06 Time Analyzed: 2326

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VNPLCS	97868	97868B59	0003
02	ACSGWTB05-27	945601	945601B59	0557
03	ACSGWMW24-27	945602	945602B59	0626
04	ACSGWMW49-27	945603	945603B59	0654
05	ACSGWMW48-27	945604	945604B59	0723
06	ACSGWMW11-27	945605	945605B59	0752
07	ACSGWDUP0427	945606	945606B59	0820
08	ACSGWMW10C27	945607	945607B59	0849
09	ACSGWMW08-27	945608	945608B59	0917
10	ACSGWMW23-27	945609	945609B59	0946
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKPV

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 98162A59 Lab Sample ID: 98162

Date Analyzed: 03/30/06 Time Analyzed: 1248

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWEB04-27	945610	945610DA59	1642
02	VPVLCS	98165	98165RA59	1711
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKSA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 98363B59 Lab Sample ID: 98363

Date Analyzed: 03/30/06 Time Analyzed: 2352

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VSALCS	98366	98366B59	0029
02	ACSGWMW10C27	945607	945607D2A59	0116
03	ACSGWMW14-27	945611	945611B59	0144
04	ACSGWMW29-27	945612	945612B59	0213
05	ACSGWMW09R27	945613	945613B59	0241
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GT060329B59 Date Analyzed: 03/29/06

Instrument ID: 5972HP59 Time Analyzed: 2245

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	540509	9.96	347495	12.94	163981	15.03
	UPPER LIMIT	1081018	10.46	694990	13.44	327962	15.53
	LOWER LIMIT	270254	9.46	173748	12.44	81990	14.53
	CLIENT SAMPLE NO.						
01	VBLKNP	532792	9.96	339783	12.93	157915	15.02
02	VNPLCS	525445	9.96	342545	12.94	156482	15.02
03	ACSGWTB05-27	463309	9.95	297694	12.93	137978	15.02
04	ACSGWMW24-27	455646	9.95	291063	12.94	136585	15.01
05	ACSGWMW49-27	478744	9.95	300318	12.93	140629	15.02
06	ACSGWMW48-27	466905	9.94	296053	12.93	136801	15.01
07	ACSGWMW11-27	455072	9.95	287349	12.92	129935	15.01
08	ACSGWDUP0427	454337	9.94	286758	12.93	130877	15.01
09	ACSGWMW10C27	472417	9.95	295051	12.92	135406	15.01
10	ACSGWMW08-27	443564	9.95	281372	12.93	128483	15.02
11	ACSGWMW23-27	442604	9.94	279382	12.93	128349	15.01
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GT060330A59 Date Analyzed: 03/30/06

Instrument ID: 5972HP59 Time Analyzed: 1140

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	503471	9.95	345623	12.93	160970	15.02
	UPPER LIMIT	1006942	10.45	691246	13.43	321940	15.52
	LOWER LIMIT	251736	9.45	172812	12.43	80485	14.52
	CLIENT SAMPLE NO.						
01	VBLKPV	499952	9.95	341371	12.93	163113	15.02
02	ACSGWEB04-27	550599	9.96	378381	12.94	184895	15.03
03	VPVLCS	550714	9.96	385944	12.93	176466	15.02
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GS060330B59 Date Analyzed: 03/30/06

Instrument ID: 5972HP59 Time Analyzed: 2315

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	513696	9.96	353654	12.93	167981	15.02
	UPPER LIMIT	1027392	10.46	707308	13.43	335962	15.52
	LOWER LIMIT	256848	9.46	176827	12.43	83990	14.52
	CLIENT SAMPLE NO.						
01	VBLKSA	516882	9.95	348942	12.94	164692	15.02
02	VSALCS	509578	9.95	346092	12.94	165763	15.02
03	ACSGWMW10C27	508391	9.95	333383	12.94	156606	15.02
04	ACSGWMW14-27	504257	9.95	339934	12.93	158419	15.02
05	ACSGWMW29-27	491177	9.96	325287	12.93	155159	15.02
06	ACSGWMW09R27	486558	9.96	322884	12.93	152653	15.02
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 9456

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG # 9456
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWTB05-27, ACSGWMW24-27, ACSGWMW49-27, ACSGWMW48-27, ACSGWMW11-27, ACSGWDUP0427, ACSGWMW10C27, ACSGWMW10C27DL, ACSGWMW08-27, ACSGWMW23-27, ACSGWEB04-27, ACSGWMW14-27, ACSGWMW29-27, and ACSGWMW09R-27

The 13 water samples listed above (not including the dilution) were received intact, properly refrigerated at a temperature of 2.1°C, with proper documentation, in sealed shipping containers, on March 29, 2006. The samples were scheduled for the requested analysis of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze these samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for this SDG are included in the sample data section. This narrative pertains to the volatile fraction only.

VOLATILES:

Analysis holding time requirements were met for these samples. The pH value was one (1) for all these samples. The volatile Target Compound List (TCL) analyte Benzene was identified above the Contract Required Quantitation Limit (CRQL) in ACSGWMW49-27, ACSGWMW48-27, ACSGWDUP0427, ACSGWMW10C27, ACSGWMW10C27DL, and ACSGWMW09R-27 and the volatile Target Compound List (TCL) analyte Chloroethane was identified above the Contract Required Quantitation Limit (CRQL) in ACSGWMW29-27.

In the initial analysis of ACSGWMW10C27, the on-column amount of volatile target compound Benzene exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The sample was re-analyzed at a 3.3x dilution to bring the on-column amount into the calibration range. We have reported both analyses of this sample.

One or more Tentatively Identified Compounds (TICs) were found in ACSGWMW24-27, ACSGWMW49-27, ACSGWMW23-27, ACSGWEB04-27, ACSGWMW14-27, ACSGWMW29-27, and ACSGWMW09R-27.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. No matrix spike/matrix spike duplicate (MS/MSD) samples were requested with this SDG. The Laboratory Control Samples (LCS) met all recovery criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
GC/MS Case Reviewer
April 11, 2006

GC and GC/MS Column and Trap Specifications Table

SDG #:	9456

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
	Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating)
		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)
		* 8 cm of silica gel
		* 7 cm of coconut charcoal
		* 0.5 cm of silanized glass wool at each end
✓	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

CompuChem
a division of Liberty Analytical Corporation

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

12423

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.
501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier FED EX
Airbill No. 8566 7445 9532
Sampling Complete? Y or N

Client/Reporting Information

Company Name: MWH
Address: 175 W. JACKSON BLVD # 1900
City: CHICAGO State: IL Zip: 60604
Project Contact: DAVID POWERS
Phone #: 312.831.3432
Sampler's Name: D. POWERS / J. FINCHEM

Project Information

Project Name: ACS GROUNDWATER - ROUND 27
Sampling Location: ACS - GRIFFITH, IN
Turnaround time: STANDARD
Batch QC or Project Specific? If Specific, which Sample ID?: NA
Are aqueous samples field filtered for metals? Y or N: NA
Are high concentrations expected? Y or N? If yes, which ID(s)?:

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis (include method and bottle type): VOCs + TICs	pH / Sample Info (Lab Use)
945601	ACS-GW-TB05-27	3/27/06	0800	GW	1	1						X	
945602	ACS-GW-MW24-27		0910	GW	3	3						X	
945603	ACS-GW-MW49-27		1005	GW	3	3						X	
945604	ACS-GW-MW48-27		1050	GW	3	3						X	
945605	ACS-GW-MW11-27		1205	GW	3	3						X	
945606	ACS-GW-DUP04-27		1200	GW	3	3						X	
945607	ACS-GW-~~DUP~~MW10C-27		1340	GW	3	3						X	
945608	ACS-GW-MW08-27		1420	GW	3	3						X	
945609	ACS-GW-MW23-27		1505	GW	3	3						X	
945610	ACS-GW-EB04-27		1525	GW	3	3						X	

Lab Use Only

Sample Unpacked By:
Sample Order Entry By: MARLENE J. SMITH
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 3/28/06 1300	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time: 3-29-06 9:00
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.1 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

12412

Page 2 of 2

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier: FED EX
Airbill No.: 8566 7445 9532
Sampling Complete? Y or N

Client/Reporting Information

Company Name: MWH
Address: 175 W. JACKSON BLVD SUITE 1900
City: CHICAGO State: IL Zip: 60604
Project Contact: DAVID POWERS
Phone #: (312) 831-3432
Sampler's Name: D. POWERS / J. FINGER

Project Information

Project Name: ACS GROUNDWATER - ROUND 27
Sampling Location: ACS - GRIFFITH, IN
Turnaround time: STANDARD
Batch QC or Project Specific? If Specific, which Sample ID?: NA
Are aqueous samples field filtered for metals? Y or N: NA
Are high concentrations expected? Y or N? If yes, which ID(s)?:

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis (include method and bottle type): VOCs + TICs	pH / Sample Info (Lab Use)
945611	ACS-GW-MW14-27	3/28/06	0850	GW	3	3						X	
945612	ACS-GW-MW29-27	3/28/06	0935	GW	3	3						X	
945613	ACS-GW-~~04R~~MW09R-27	3/28/06	1020	GW	3	3						X	
	~~ACS-GW~~ (JF)	~~3/28/06~~ (JF)											

Lab Use Only

Sample Unpacked By:
Sample Order Entry By: Marlena J. Smith
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 3/28/06 13:00	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time: 3-29-06 9:00
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.1 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
9456	ACS/NPL SITE	945601	ACSGWTB05-27	03/27/06	03/29/06	04/11/06	ACS-GW-TB05-27
9456	ACS/NPL SITE	945602	ACSGWMW24-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW24-27
9456	ACS/NPL SITE	945603	ACSGWMW49-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW49-27
9456	ACS/NPL SITE	945604	ACSGWMW48-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW48-27
9456	ACS/NPL SITE	945605	ACSGWMW11-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW11-27
9456	ACS/NPL SITE	945606	ACSGWDUP0427	03/27/06	03/29/06	04/11/06	ACS-GW-DUP04-27
9456	ACS/NPL SITE	945607	ACSGWMW10C27	03/27/06	03/29/06	04/11/06	ACS-GW-MW10C-27
9456	ACS/NPL SITE	945608	ACSGWMW08-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW08-27
9456	ACS/NPL SITE	945609	ACSGWMW23-27	03/27/06	03/29/06	04/11/06	ACS-GW-MW23-27
9456	ACS/NPL SITE	945610	ACSGWEB04-27	03/27/06	03/29/06	04/11/06	ACS-GW-EB04-27
9456	ACS/NPL SITE	945611	ACSGWMW14-27	03/28/06	03/29/06	04/11/06	ACS-GW-MW14-27
9456	ACS/NPL SITE	945612	ACSGWMW29-27	03/28/06	03/29/06	04/11/06	ACS-GW-MW29-27
9456	ACS/NPL SITE	945613	ACSGWMW09R27	03/28/06	03/29/06	04/11/06	ACS-GW-MW09R-27

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 9456 **Account:** MWH **Project:** ACS/NPL SITE
SDG-Case: ACS/NPL SITE **Status:** **QC Type:** CLIENT SPECIFIC MS/MSD
Report Style: COMPUCHEM STYLE 9 WITH EDD AND CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
945601	ACSGWTB05-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945602	ACSGWMW24-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945603	ACSGWMW49-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945604	ACSGWMW48-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945605	ACSGWMW11-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945606	ACSGWDUP0427	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945607	ACSGWMW10C2	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945608	ACSGWMW08-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945609	ACSGWMW23-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945610	ACSGWEB04-27	3/27/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945611	ACSGWMW14-27	3/28/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945612	ACSGWMW29-27	3/28/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
945613	ACSGWMW09R2	3/28/2006	3/29/2006	4/11/2006	REPORT TCL4 VOA+TICs;
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 3/29/2006 Batch 17155

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	945601	3/29/2006	VW8260_5X	40MLVIAL	HCL	945601-1
2	945602	3/29/2006	VW8260_5X	40MLVIAL	HCL	945602-1
3	945603	3/29/2006	VW8260_5X	40MLVIAL	HCL	945603-1
4	945604	3/29/2006	VW8260_5X	40MLVIAL	HCL	945604-1
5	945606	3/29/2006	VW8260_5X	40MLVIAL	HCL	945606-1
6	945605	3/29/2006	VW8260_5X	40MLVIAL	HCL	945605-1
7	945607	3/29/2006	VW8260_5X	40MLVIAL	HCL	945607-1
8	945608	3/29/2006	VW8260_5X	40MLVIAL	HCL	945608-1
9	945609	3/29/2006	VW8260_5X	40MLVIAL	HCL	945609-1
10	945610	3/29/2006	VW8260_5X	40MLVIAL	HCL	945610-1
11	945611	3/29/2006	VW8260_5X	40MLVIAL	HCL	945611-1
12	945612	3/29/2006	VW8260_5X	40MLVIAL	HCL	945612-1
13	945613	3/29/2006	VW8260_5X	40MLVIAL	HCL	945613-1

Relinquished By:	Received By:	Date/Time	Reason
#2	[illegible]	3-29 2000	[illegible]
[illegible]	#2	3-29 2500	[illegible]
#2	[illegible]	3-30 1800	[illegible]
[illegible]	#2	3-30 2000	[illegible]

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE : LIBRTY	METHOD: 8260B
CASE # : _____	SDG # : 9456

1. QC Summary

a. Surrogate Recovery Summary (Form II VOA)

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

c. Method Blank Summary (Form IV VOA)

d. GC/MS Instrument Performance Check
(Form V VOA)

e. Internal Standard Area and RT Summary
(Form VIII VOA)

a. Surrogate Recovery Summary

(Form II VOA)

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKNP	86	90	92	92	0
02	VNPLCS	85	90	90	94	0
03	ACSGWTB05-27	87	106	94	94	0
04	ACSGWMW24-27	88	106	95	94	0
05	ACSGWMW49-27	87	105	95	95	0
06	ACSGWMW48-27	87	105	94	95	0
07	ACSGWMW11-27	86	105	94	94	0
08	ACSGWDUP0427	86	105	94	94	0
09	ACSGWMW10C27	88	105	94	95	0
10	ACSGWMW08-27	88	110	95	98	0
11	ACSGWMW23-27	89	110	95	97	0
12	VBLKPV	91	86	88	86	0
13	ACSGWEB04-27	88	80	85	84	0
14	VPVLCS	91	79	85	88	0
15	VBLKSA	89	91	88	89	0
16	VSALCS	91	93	88	89	0
17	ACSGWMW10C27	89	89	90	90	0
18	ACSGWMW14-27	90	93	88	90	0
19	ACSGWMW29-27	89	92	90	89	0
20	ACSGWMW09R27	90	95	89	89	0
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(66-128)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(55-147)
SMC3 (TOL)	= Toluene-d8	(50-150)
SMC4 (BFB)	= Bromofluorobenzene	(70-132)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

b. Spike Summary - MS / MSD / LCS
(Form III VOA)

3A
WATER VOLATILE LAB CONTROL SAMPLE

VNPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	44.47	89	72-129
Benzene	50	48.18	96	75-125
Trichloroethene	50	42.14	84	66-147
Toluene	50	48.55	97	78-126
Chlorobenzene	50	47.31	95	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VPVLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	59.48	119	72-129
Benzene	50	59.1	118	75-125
Trichloroethene	50	59.3	119	66-147
Toluene	50	56.85	114	78-126
Chlorobenzene	50	58.4	117	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSALCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	43.4	87	72-129
Benzene	50	49.32	99	75-125
Trichloroethene	50	43.99	88	66-147
Toluene	50	46.27	93	78-126
Chlorobenzene	50	46.86	94	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV VOA)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks, by instrument.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 97865B59 Lab Sample ID: 97865

Date Analyzed: 03/29/06 Time Analyzed: 2326

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VNPLCS	97868	97868B59	0003
02	ACSGWTB05-27	945601	945601B59	0557
03	ACSGWMW24-27	945602	945602B59	0626
04	ACSGWMW49-27	945603	945603B59	0654
05	ACSGWMW48-27	945604	945604B59	0723
06	ACSGWMW11-27	945605	945605B59	0752
07	ACSGWDUP0427	945606	945606B59	0820
08	ACSGWMW10C27	945607	945607B59	0849
09	ACSGWMW08-27	945608	945608B59	0917
10	ACSGWMW23-27	945609	945609B59	0946
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKPV

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 98162A59 Lab Sample ID: 98162

Date Analyzed: 03/30/06 Time Analyzed: 1248

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ACSGWEB04-27	945610	945610DA59	1642
02	VPVLCS	98165	98165RA59	1711
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKSA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: 98363B59 Lab Sample ID: 98363

Date Analyzed: 03/30/06 Time Analyzed: 2352

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VSALCS	98366	98366B59	0029
02	ACSGWMW10C27	945607	945607D2A59	0116
03	ACSGWMW14-27	945611	945611B59	0144
04	ACSGWMW29-27	945612	945612B59	0213
05	ACSGWMW09R27	945613	945613B59	0241
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

d. GC/MS Instrument Performance Check (Form V VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: BG060324A59 BFB Injection Date: 03/24/06

Instrument ID: 5972HP59 BFB Injection Time: 1529

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	95.0 - 101.0% of mass 174	69.2 (96.4)1
177	5.0 - 9.0% of mass 176	4.6 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	GS060324A59	03/24/06	1553
02	VSTD010	VSTD010	GT060324A59	03/24/06	1621
03	VSTD020	VSTD020	GU060324A59	03/24/06	1649
04	VSTD050	VSTD050	GV060324A59	03/24/06	1717
05	VSTD200	VSTD200	GX060324A59	03/24/06	1813
06	VSTD100	VSTD100	GY060324A59	03/24/06	1840
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: BF060329B59 BFB Injection Date: 03/29/06

Instrument ID: 5972HP59 BFB Injection Time: 2147

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 60.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	4.8 (7.1)1
176	95.0 - 101.0% of mass 174	65.5 (95.9)1
177	5.0 - 9.0% of mass 176	4.2 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060329B59	03/29/06	2245
02	VBLKNP	97865	97865B59	03/29/06	2326
03	VNPLCS	97868	97868B59	03/30/06	0003
04	ACSGWTB05-27	945601	945601B59	03/30/06	0557
05	ACSGWMW24-27	945602	945602B59	03/30/06	0626
06	ACSGWMW49-27	945603	945603B59	03/30/06	0654
07	ACSGWMW48-27	945604	945604B59	03/30/06	0723
08	ACSGWMW11-27	945605	945605B59	03/30/06	0752
09	ACSGWDUP0427	945606	945606B59	03/30/06	0820
10	ACSGWMW10C27	945607	945607B59	03/30/06	0849
11	ACSGWMW08-27	945608	945608B59	03/30/06	0917
12	ACSGWMW23-27	945609	945609B59	03/30/06	0946
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: BF060330A59 BFB Injection Date: 03/30/06

Instrument ID: 5972HP59 BFB Injection Time: 1035

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	44.0
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	Greater than 50.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.4 (7.2)1
176	95.0 - 101.0% of mass 174	71.7 (95.4)1
177	5.0 - 9.0% of mass 176	4.6 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GT060330A59	03/30/06	1140
02	VBLKPV	98162	98162A59	03/30/06	1248
03	ACSGWEB04-27	945610	945610DA59	03/30/06	1642
04	VPVLCS	98165	98165RA59	03/30/06	1711
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID: BF060330B59 BFB Injection Date: 03/30/06

Instrument ID: 5972HP59 BFB Injection Time: 2303

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	45.8
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	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5.0 (7.3)1
176	95.0 - 101.0% of mass 174	65.8 (96.1)1
177	5.0 - 9.0% of mass 176	4.2 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GS060330B59	03/30/06	2315
02	VBLKSA	98363	98363B59	03/30/06	2352
03	VSALCS	98366	98366B59	03/31/06	0029
04	ACSGWMW10C27	945607	945607D2A59	03/31/06	0116
05	ACSGWMW14-27	945611	945611B59	03/31/06	0144
06	ACSGWMW29-27	945612	945612B59	03/31/06	0213
07	ACSGWMW09R27	945613	945613B59	03/31/06	0241
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

e. Internal Standard Area and RT Summary (Form VIII VOA)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GT060329B59 Date Analyzed: 03/29/06

Instrument ID: 5972HP59 Time Analyzed: 2245

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	540509	9.96	347495	12.94	163981	15.03
	UPPER LIMIT	1081018	10.46	694990	13.44	327962	15.53
	LOWER LIMIT	270254	9.46	173748	12.44	81990	14.53
	CLIENT SAMPLE NO.						
01	VBLKNP	532792	9.96	339783	12.93	157915	15.02
02	VNPLCS	525445	9.96	342545	12.94	156482	15.02
03	ACSGWTB05-27	463309	9.95	297694	12.93	137978	15.02
04	ACSGWMW24-27	455646	9.95	291063	12.94	136585	15.01
05	ACSGWMW49-27	478744	9.95	300318	12.93	140629	15.02
06	ACSGWMW48-27	466905	9.94	296053	12.93	136801	15.01
07	ACSGWMW11-27	455072	9.95	287349	12.92	129935	15.01
08	ACSGWDUP0427	454337	9.94	286758	12.93	130877	15.01
09	ACSGWMW10C27	472417	9.95	295051	12.92	135406	15.01
10	ACSGWMW08-27	443564	9.95	281372	12.93	128483	15.02
11	ACSGWMW23-27	442604	9.94	279382	12.93	128349	15.01
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GT060330A59 Date Analyzed: 03/30/06

Instrument ID: 5972HP59 Time Analyzed: 1140

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	503471	9.95	345623	12.93	160970	15.02
	UPPER LIMIT	1006942	10.45	691246	13.43	321940	15.52
	LOWER LIMIT	251736	9.45	172812	12.43	80485	14.52
	CLIENT SAMPLE NO.						
01	VBLKPV	499952	9.95	341371	12.93	163113	15.02
02	ACSGWEB04-27	550599	9.96	378381	12.94	184895	15.03
03	VPVLCS	550714	9.96	385944	12.93	176466	15.02
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Lab File ID (Standard): GS060330B59 Date Analyzed: 03/30/06

Instrument ID: 5972HP59 Time Analyzed: 2315

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	513696	9.96	353654	12.93	167981	15.02
	UPPER LIMIT	1027392	10.46	707308	13.43	335962	15.52
	LOWER LIMIT	256848	9.46	176827	12.43	83990	14.52
	CLIENT SAMPLE NO.						
01	VBLKSA	516882	9.95	348942	12.94	164692	15.02
02	VSALCS	509578	9.95	346092	12.94	165763	15.02
03	ACSGWMW10C27	508391	9.95	333383	12.94	156606	15.02
04	ACSGWMW14-27	504257	9.95	339934	12.93	158419	15.02
05	ACSGWMW29-27	491177	9.96	325287	12.93	155159	15.02
06	ACSGWMW09R27	486558	9.96	322884	12.93	152653	15.02
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I VOA and Form I VOA-TIC), followed by the raw data for volatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I VOA)
Tabulated results (identification and quantitation) shall be included.

b. Tentatively Identified Compounds (Form I VOA-TIC)
Lists the client specified number of organic compounds that are non-surrogate/non-internal standard compounds and are not listed on the target compound list. This form shall be included even if no compounds are found.

c. Reconstructed Ion Chromatograms
Include for each sample or sample extract, including dilutions and reanalyses. The RIC shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

d. Quantitation Report showing calculations for target analytes
- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to all compounds, internal standards, and surrogate compounds.

e. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.
- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

f. Quantitation Report showing calculations for TICs

g. Copies of mass spectra of organic compounds not listed on the target compound list (TICs) with associated best-match spectra.
- The spectra shall be labeled as follows: Client Sample ID number, lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	3.2	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	87	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

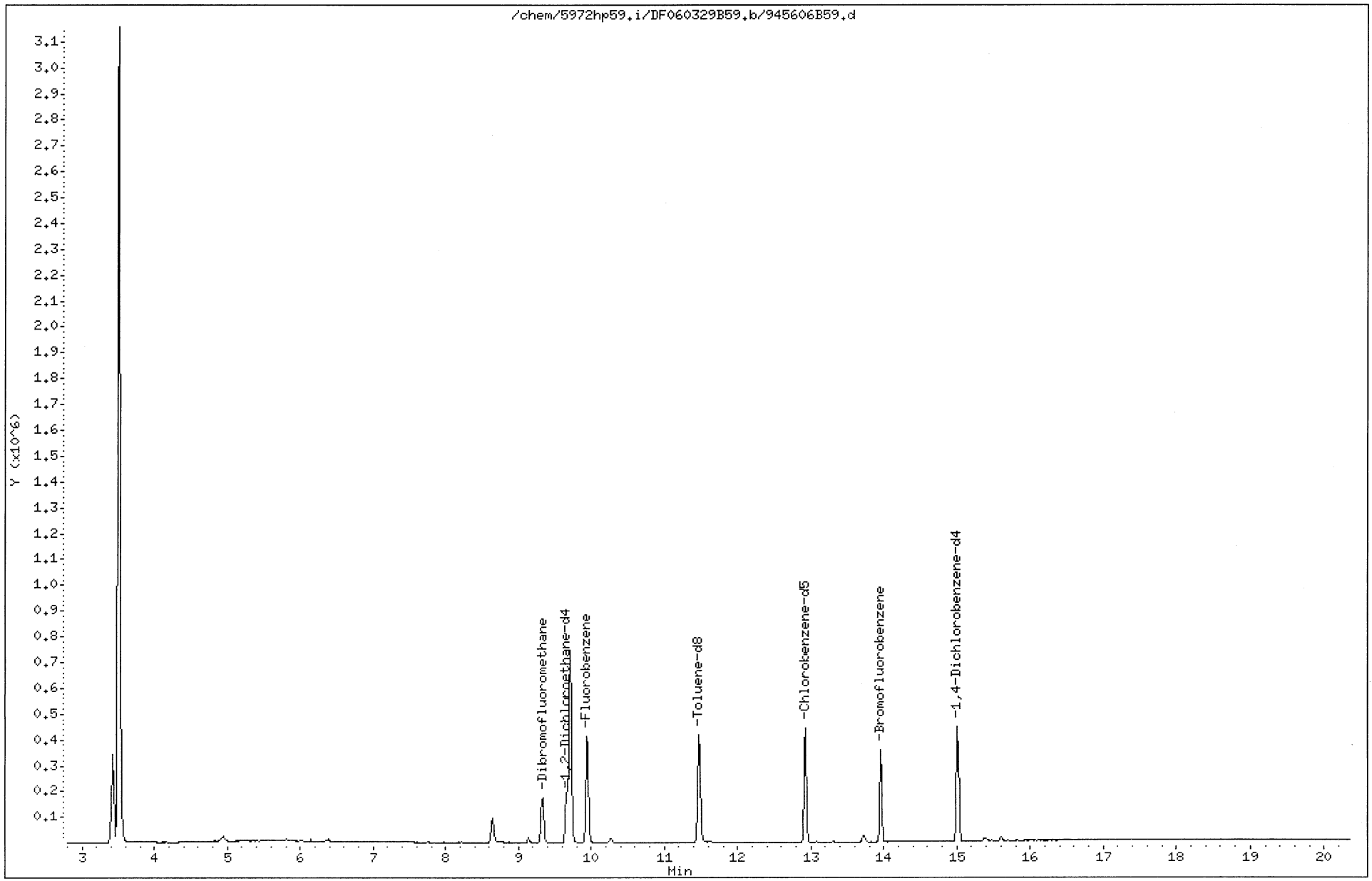
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d
Date : 30-MAR-2006 08:20
Client ID: ACSGWDUP0427
Instrument: 5972hp59.i
Sample Info: 945606:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945606B59.d
Lab Smp Id: 945606 Client Smp ID: ACSGWDUP0427
Inj Date : 30-MAR-2006 08:20
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945606:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.943	9.955	(1.000)	454337	250.000	
* 2 Chlorobenzene-d5	117	12.926	12.938	(1.000)	286758	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.013	15.026	(1.000)	130877	250.000	
$ 4 Dibromofluoromethane	113	9.333	9.335	(0.939)	126236	215.172	43
$ 5 1,2-Dichloroethane-d4	65	9.658	9.670	(0.971)	161417	262.603	53
$ 6 Toluene-d8	98	11.479	11.491	(0.888)	404027	235.028	47
$ 7 Bromofluorobenzene	95	13.960	13.962	(0.930)	162633	235.347	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.503	5.515	(0.553)	4901	15.9772	3.2(a)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.717	9.729	(0.977)	829091	434.619	87
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d

Date : 30-MAR-2006 08:20

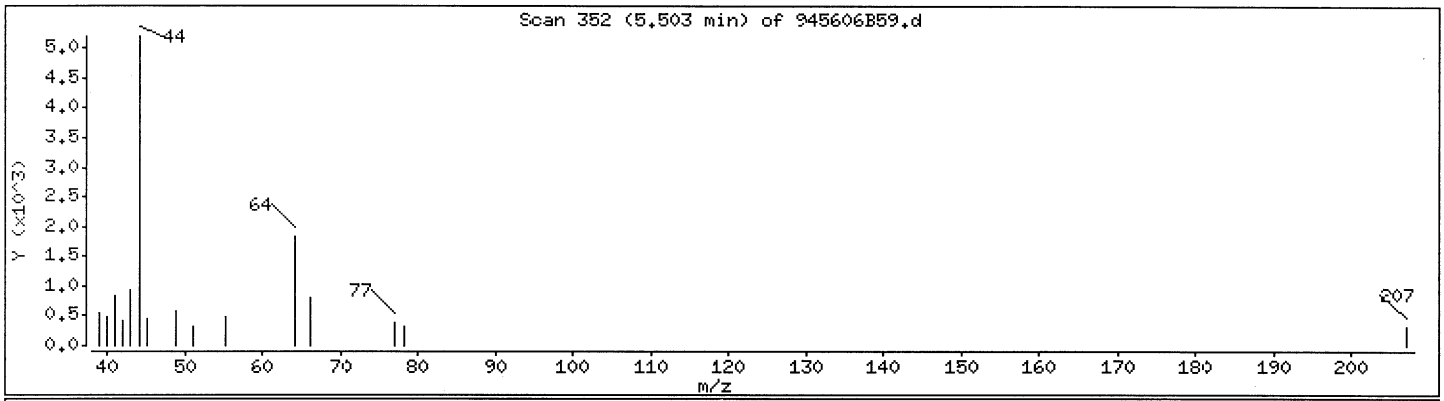
Client ID: ACSGWDUP0427 Instrument: 5972hp59.i

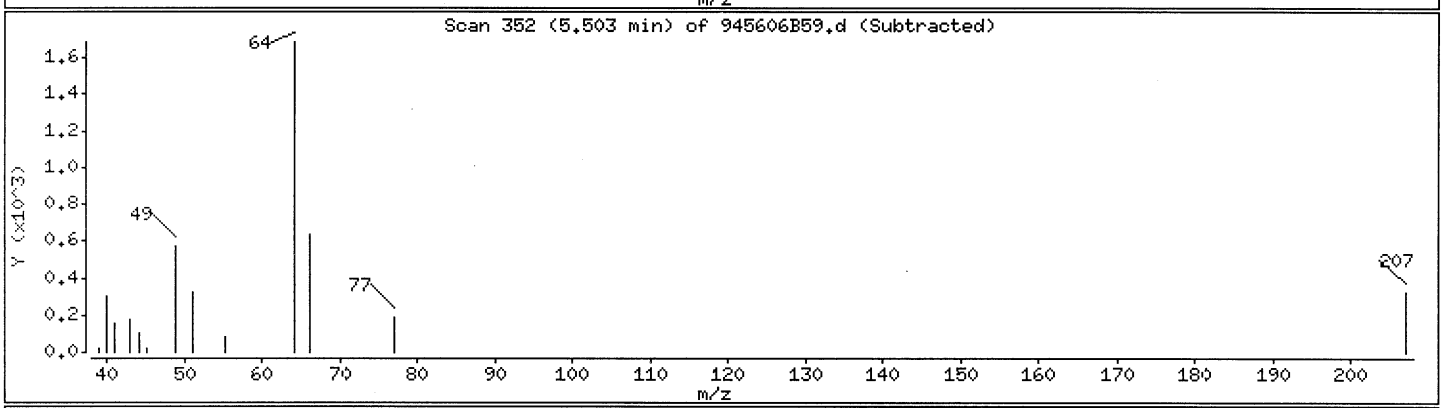
Sample Info: 945606:2481

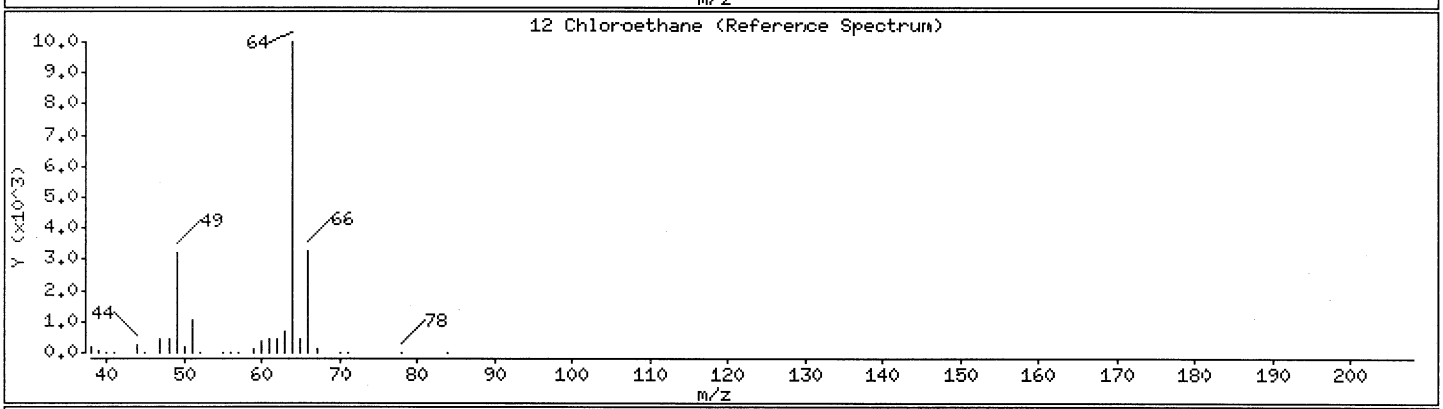
Purge Volume: 5.0 Operator: 2481

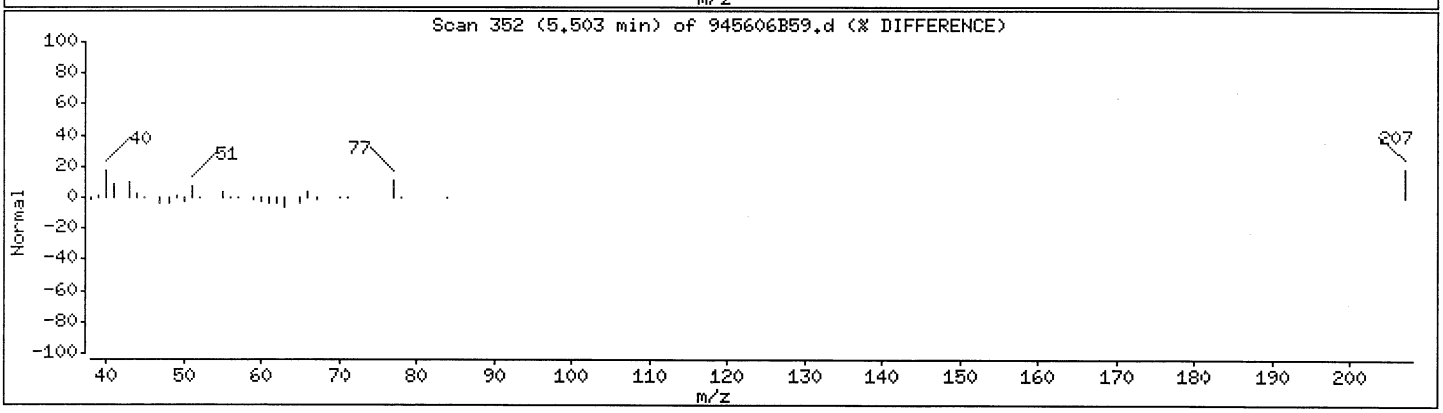
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 3.2 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d

Date : 30-MAR-2006 08:20

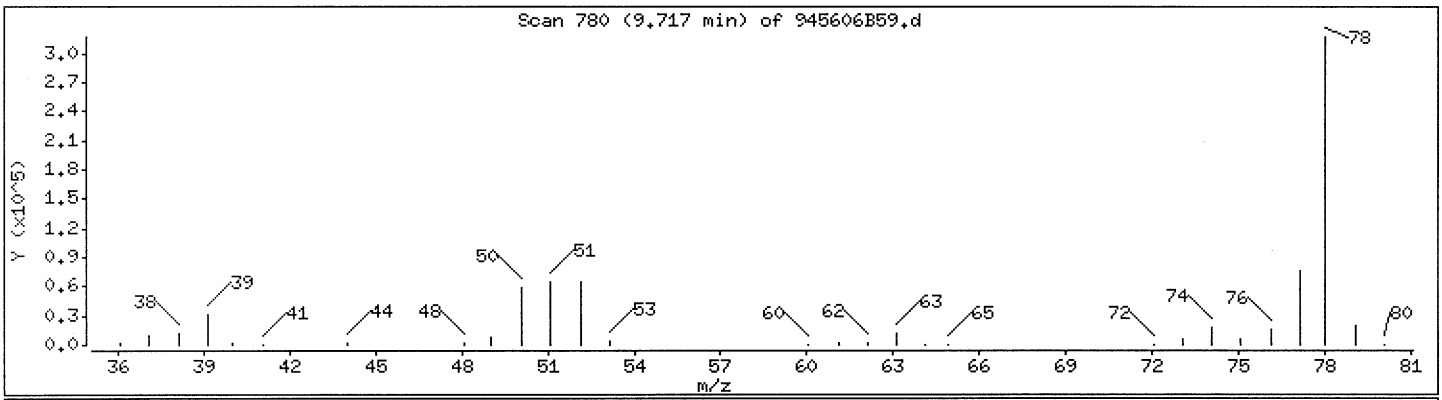
Client ID: ACSGWDUP0427 Instrument: 5972hp59.i

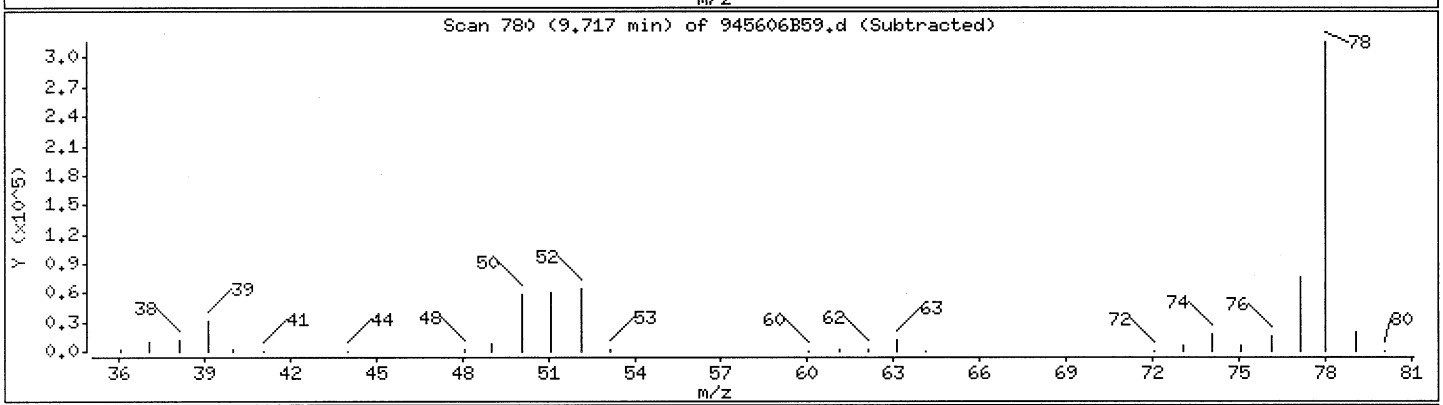
Sample Info: 945606:2481

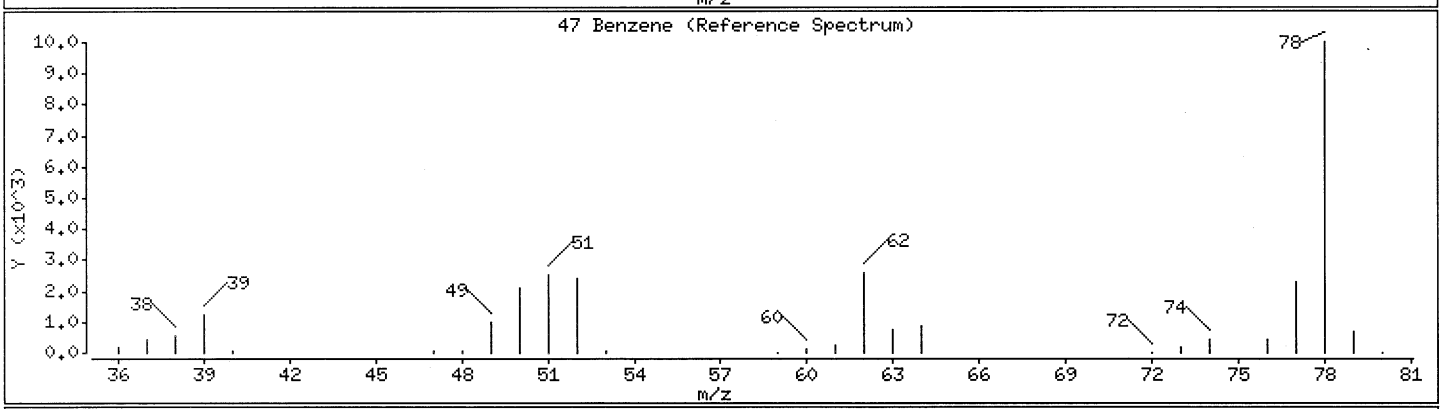
Purge Volume: 5.0 Operator: 2481

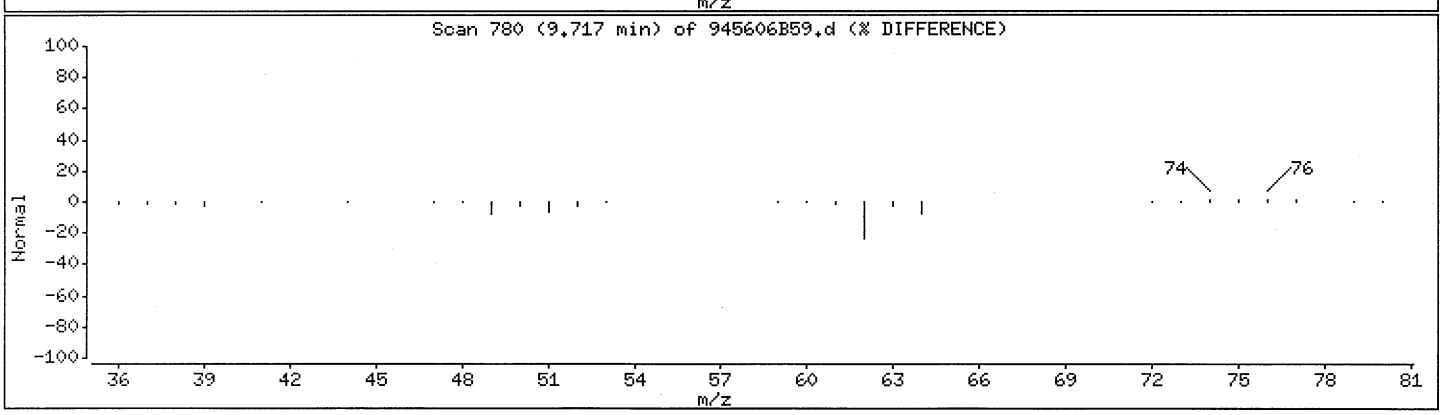
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 87 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945606B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945606B59.d
Lab Smp Id: 945606 Client Smp ID: ACSGWDUP0427
Inj Date : 30-MAR-2006 08:20
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945606:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

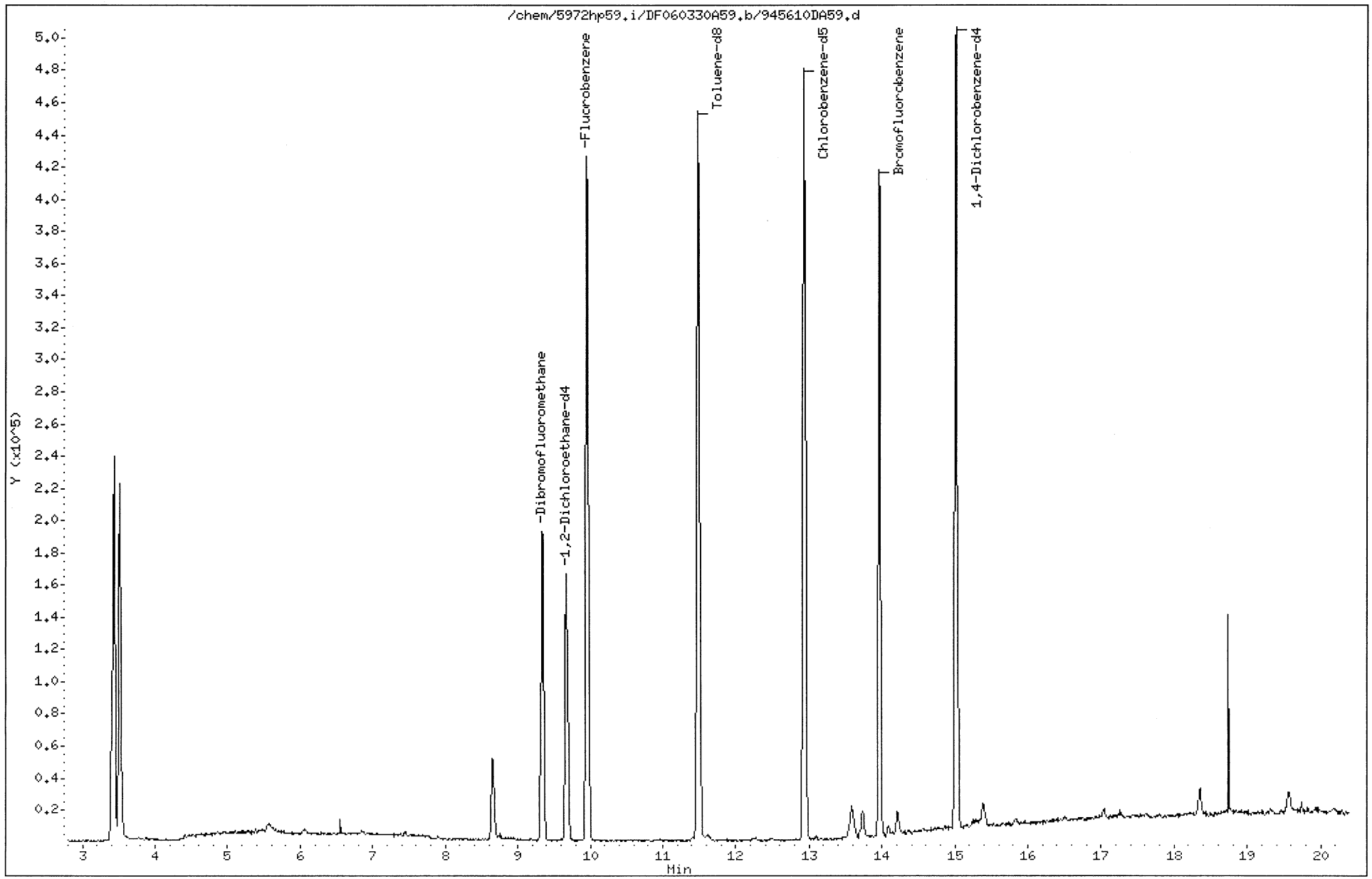
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Date : 30-MAR-2006 16:42
Client ID: ACSGWEB04-27
Instrument: 5972hp59.i
Sample Info: 945610:2473
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Report Date: 30-Mar-2006 23:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Lab Smp Id: 945610 Client Smp ID: ACSGWEB04-27
Inj Date : 30-MAR-2006 16:42
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 945610:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	9.956	9.947	(1.000)	550599	250.000	
* 2 Chlorobenzene-d5	117	12.939	12.930	(1.000)	378381	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.026	15.017	(1.000)	184895	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.327	(0.938)	156850	220.612	44
$ 5 1,2-Dichloroethane-d4	65	9.671	9.662	(0.971)	148498	199.349	40
$ 6 Toluene-d8	98	11.492	11.483	(0.888)	483292	213.061	43
$ 7 Bromofluorobenzene	95	13.963	13.954	(0.929)	206150	211.165	42
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Report Date: 30-Mar-2006 23:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Report Date: 30-Mar-2006 23:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/945610DA59.d
Lab Smp Id: 945610 Client Smp ID: ACSGWEB04-27
Inj Date : 30-MAR-2006 16:42
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 945610:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.956	1114985	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.647	159830	35.8367775	7.2	0		0	1

Data File: /chem/5972hp59.i/DF060330A59.b/945610DA59.d

Date : 30-MAR-2006 16:42

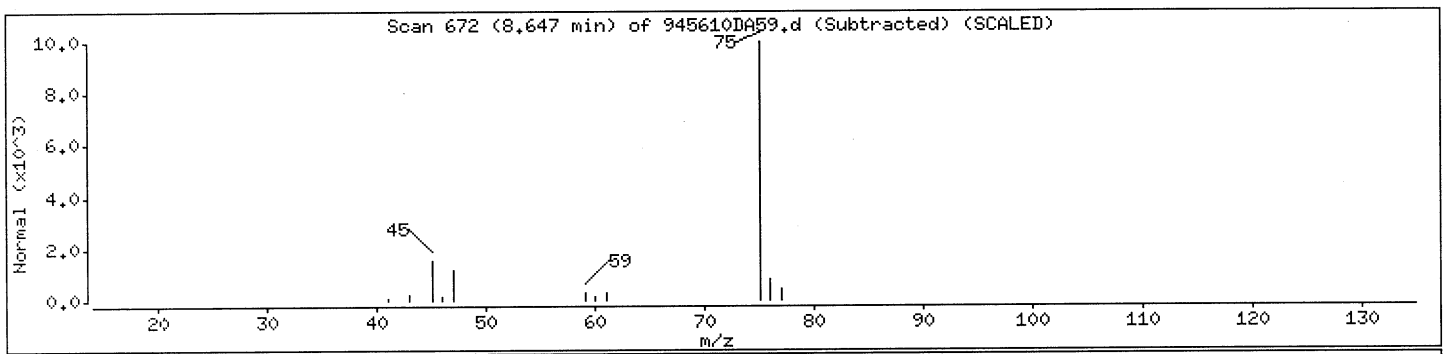
Client ID: ACSGWEB04-27 Instrument: 5972hp59.i

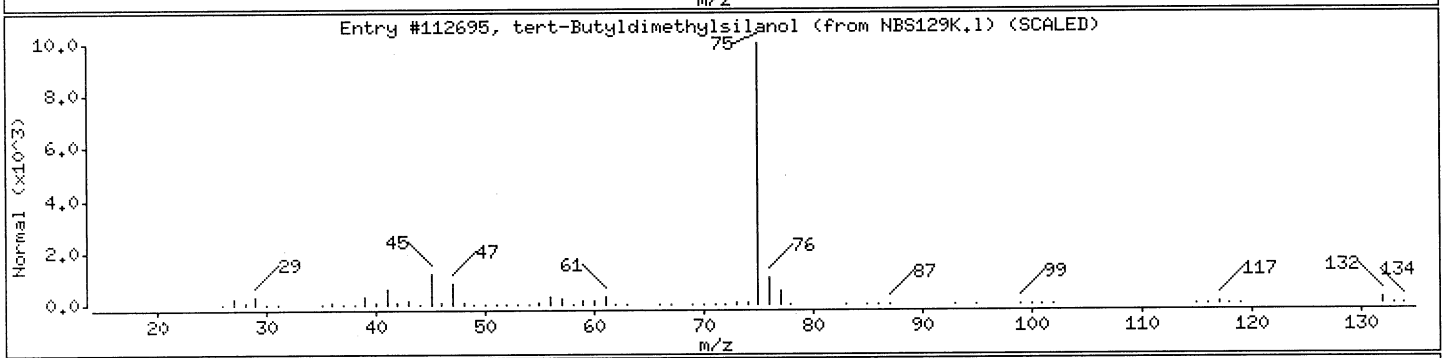
Sample Info: 945610:2473

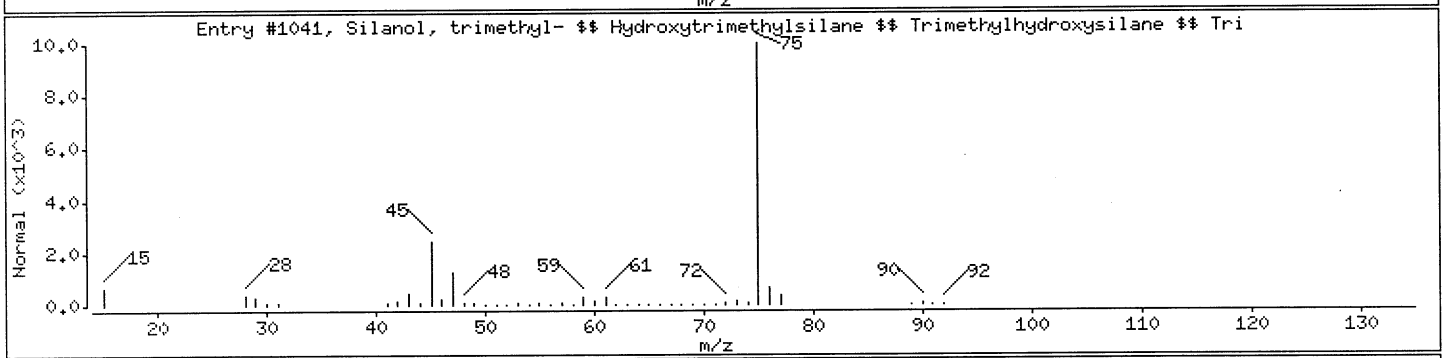
Purge Volume: 5.0 Operator: 2473

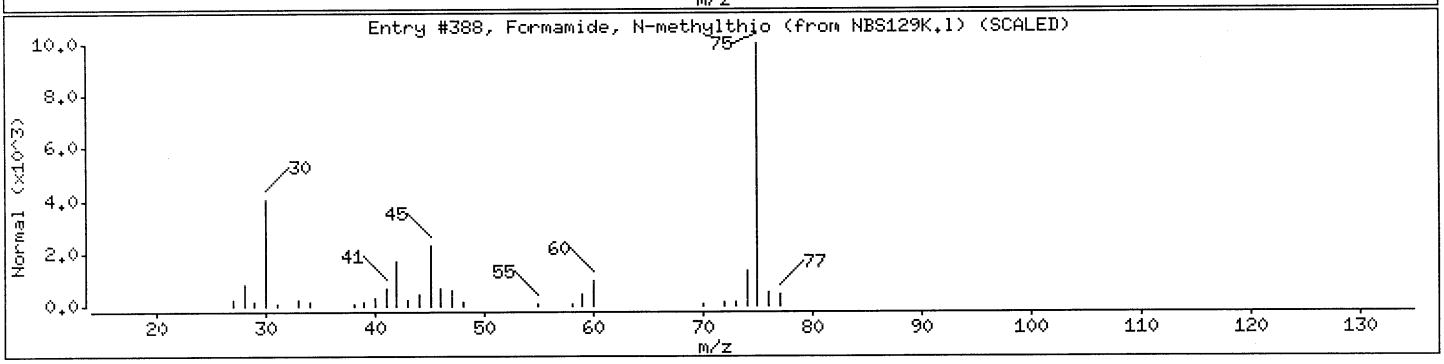
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	83	C6H16OSi	132
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	74	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

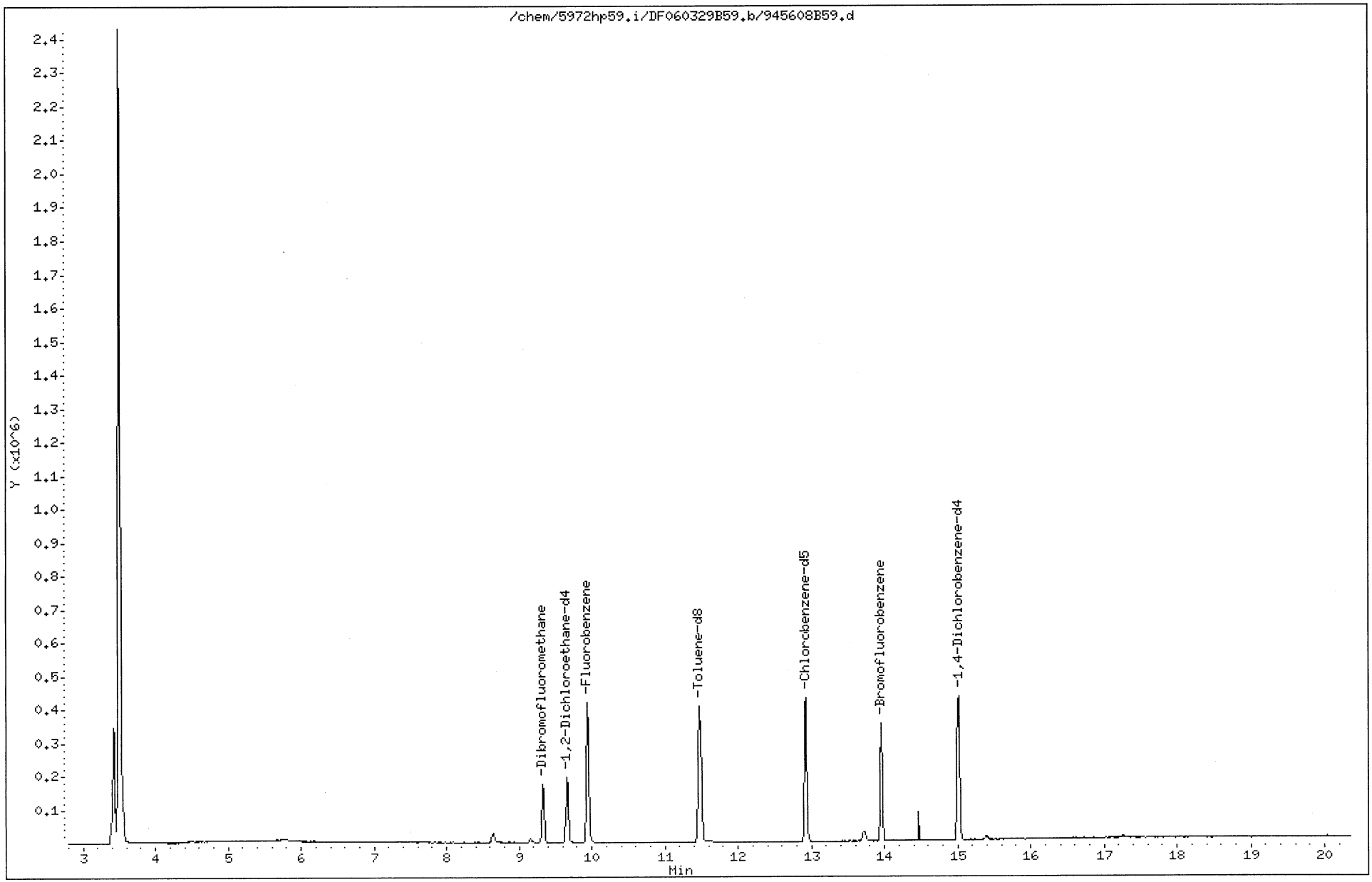
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945608B59.d
Date : 30-MAR-2006 09:17
Client ID: ACSGWMW08-27
Instrument: 5972hp59.i
Sample Info: 945608:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945608B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945608B59.d
Lab Smp Id: 945608 Client Smp ID: ACSGWMW08-27
Inj Date : 30-MAR-2006 09:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945608:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	9.947	9.955	(1.000)	443564	250.000	
*	2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	281372	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	128483	250.000	
$	4 Dibromofluoromethane	113	9.326	9.335	(0.938)	126061	220.092	44
$	5 1,2-Dichloroethane-d4	65	9.661	9.670	(0.971)	165321	275.487	55
$	6 Toluene-d8	98	11.482	11.491	(0.888)	398823	236.441	47
$	7 Bromofluorobenzene	95	13.953	13.962	(0.929)	166326	245.176	49
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945608B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945608B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945608B59.d
Lab Smp Id: 945608 Client Smp ID: ACSGWMW08-27
Inj Date : 30-MAR-2006 09:17
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945608:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.5	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

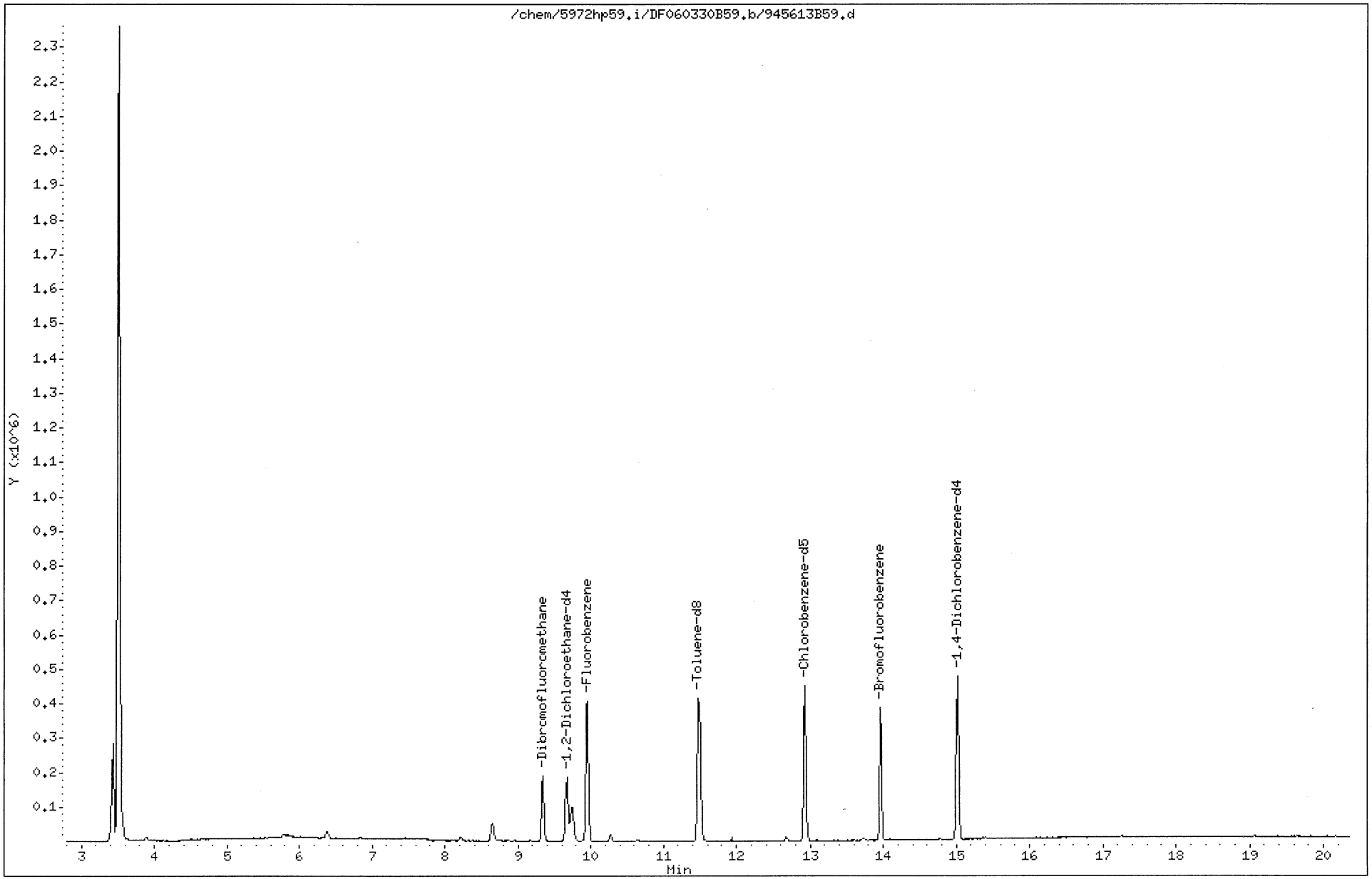
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	8.0	J
2.		UNKNOWN	9.74	18	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d
Date : 31-MAR-2006 02:41
Client ID: ACSGWMW09R27 Instrument: 5972hp59.i
Sample Info: 945613:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945613B59.d
Lab Smp Id: 945613 Client Smp ID: ACSGWMW09R27
Inj Date : 31-MAR-2006 02:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945613:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	9.956	9.957	(1.000)	486558	250.000	
*	2 Chlorobenzene-d5	117	12.929	12.931	(1.000)	322884	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.016	15.018	(1.000)	152653	250.000	
$	4 Dibromofluoromethane	113	9.335	9.337	(0.938)	141656	225.466	45
$	5 1,2-Dichloroethane-d4	65	9.670	9.672	(0.971)	157032	238.552	48
$	6 Toluene-d8	98	11.482	11.483	(0.888)	432041	223.204	45
$	7 Bromofluorobenzene	95	13.963	13.964	(0.930)	178778	221.805	44
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d
Report Date: 31-Mar-2006 07:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.719	9.721	(0.976)	56148	27.4843	5.5
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d

Date : 31-MAR-2006 02:41

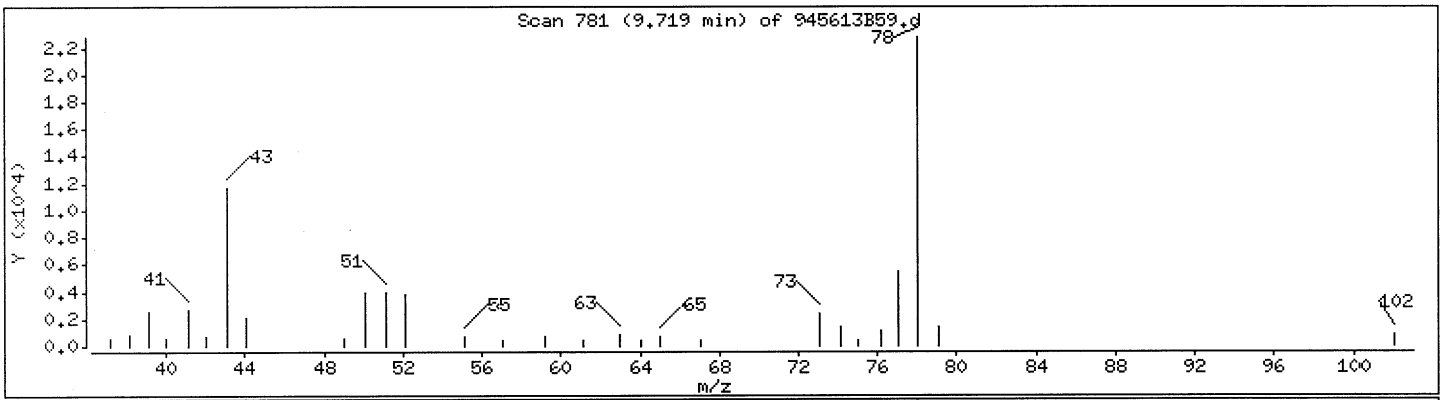
Client ID: ACSGWMW09R27 Instrument: 5972hp59.i

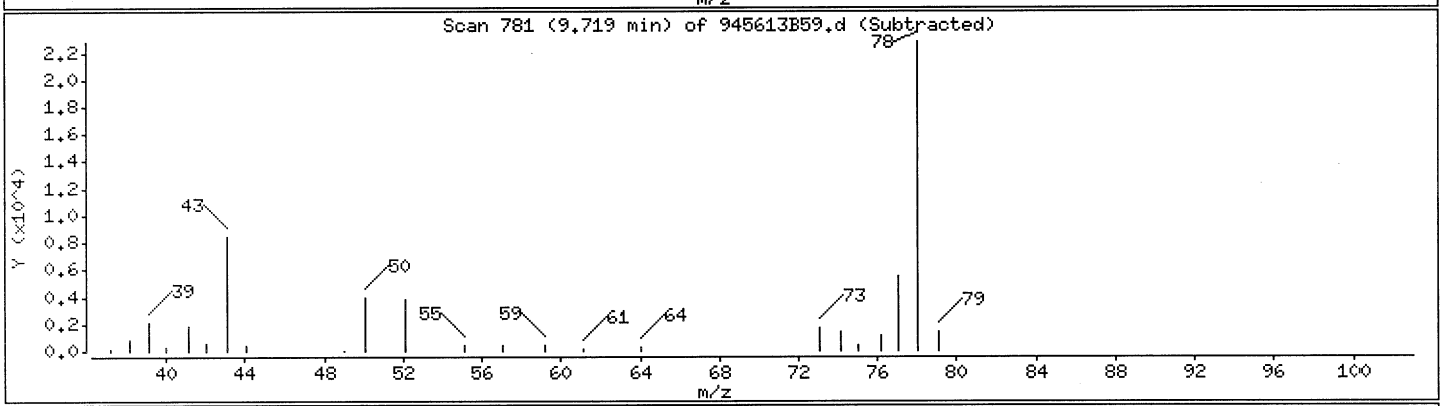
Sample Info: 945613:2481

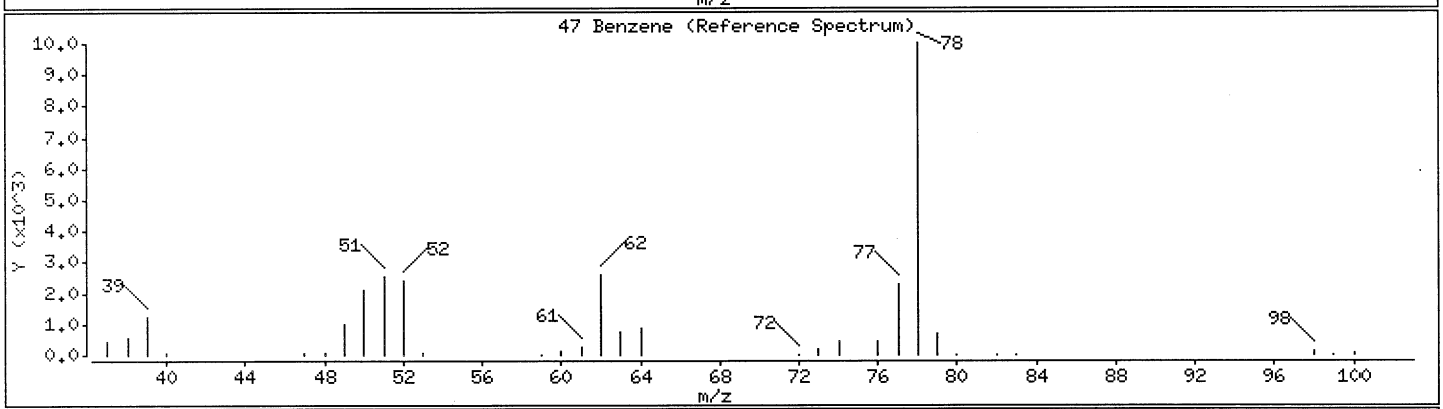
Purge Volume: 5.0 Operator: 2481

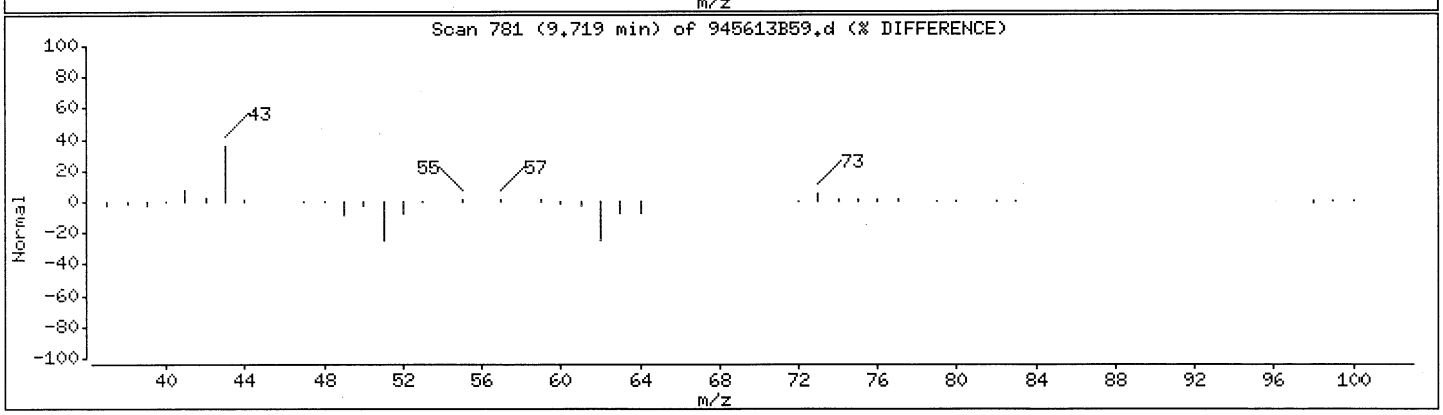
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 5.5 ug/L









Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945613B59.d
Lab Smp Id: 945613 Client Smp ID: ACSGWMW09R27
Inj Date : 31-MAR-2006 02:41
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945613:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.956	1067803	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.646	171455	40.1419195	8.0	0		0	1
Unknown				CAS #:			
9.739	374033	87.5706293	18	0		0	1

Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d

Date : 31-MAR-2006 02:41

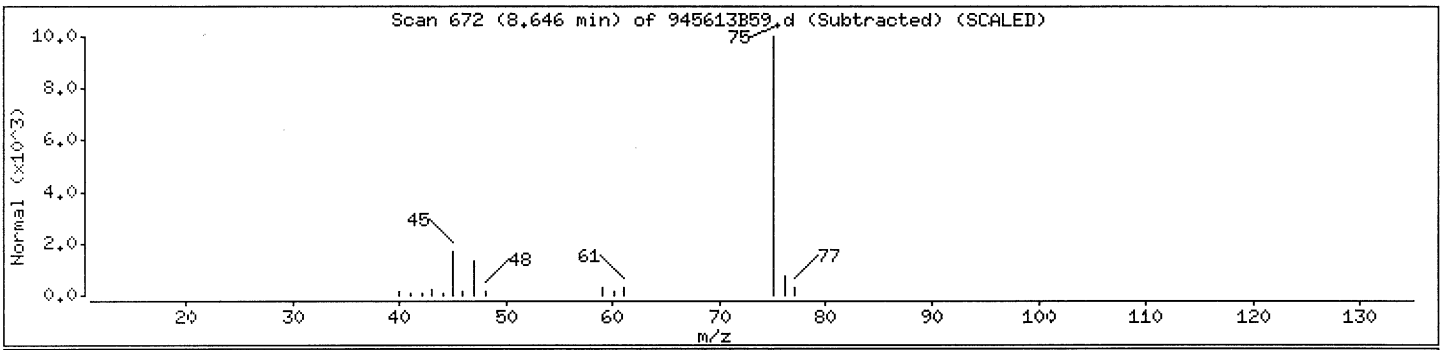
Client ID: ACSGWMW09R27 Instrument: 5972hp59.i

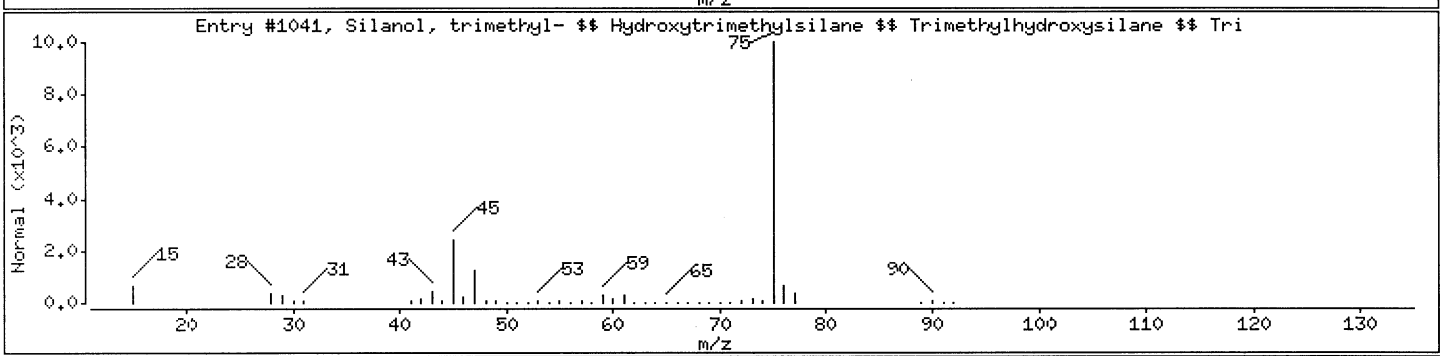
Sample Info: 945613:2481

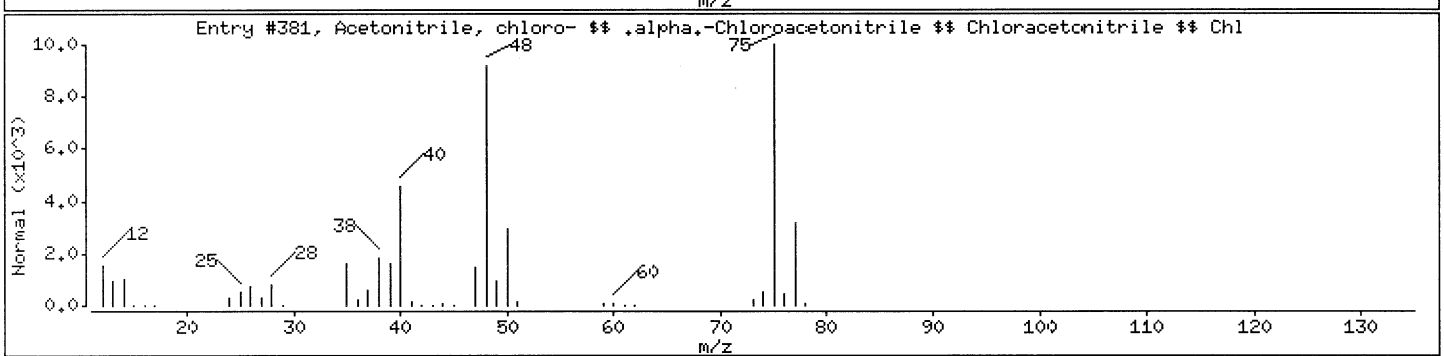
Purge Volume: 5.0 Operator: 2481

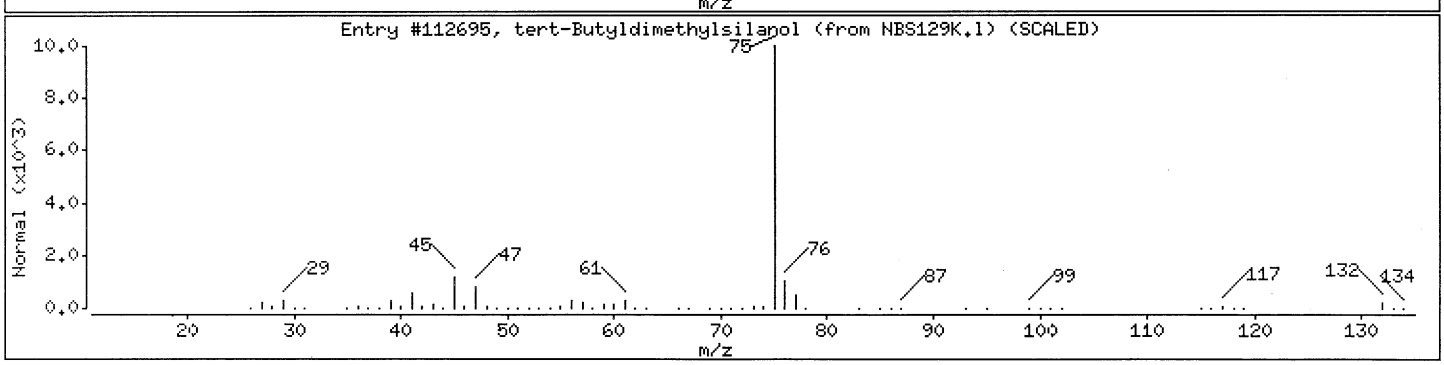
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Acetonitrile, chloro- $$ .alpha.-Chloroa	107-14-2	NBS129K.l	381	9	C2H2ClN	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132









Data File: /chem/5972hp59.i/DF060330B59.b/945613B59.d

Date : 31-MAR-2006 02:41

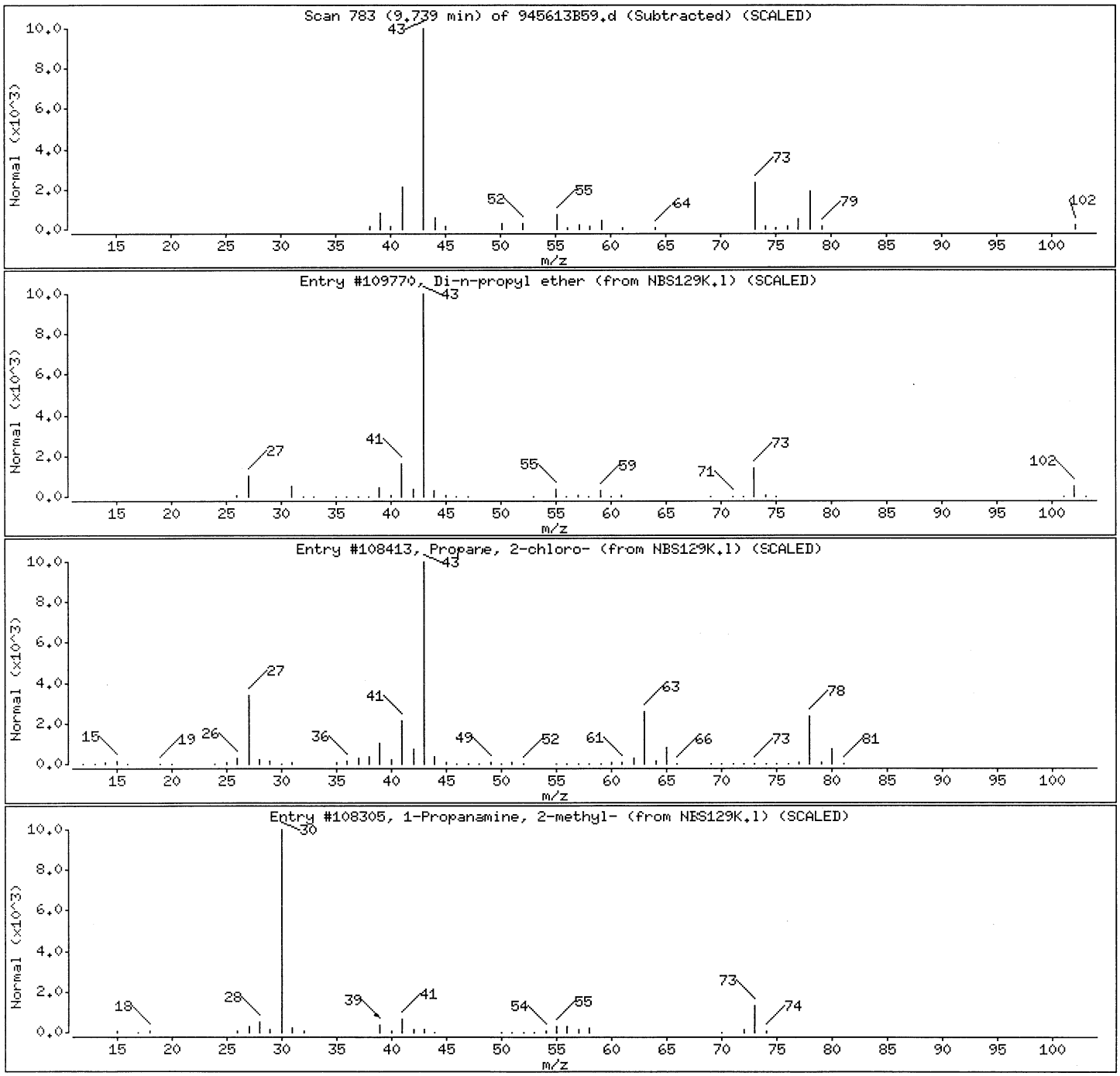
Client ID: ACSGWMW09R27 Instrument: 5972hp59.i

Sample Info: 945613:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Di-n-propyl ether	111-43-3	NBS129K.l	109770	58	C6H14O	102
Propane, 2-chloro-	75-29-6	NBS129K.l	108413	9	C3H7Cl	78
1-Propanamine, 2-methyl-	78-81-9	NBS129K.l	108305	7	C4H11N	73



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	470	E
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

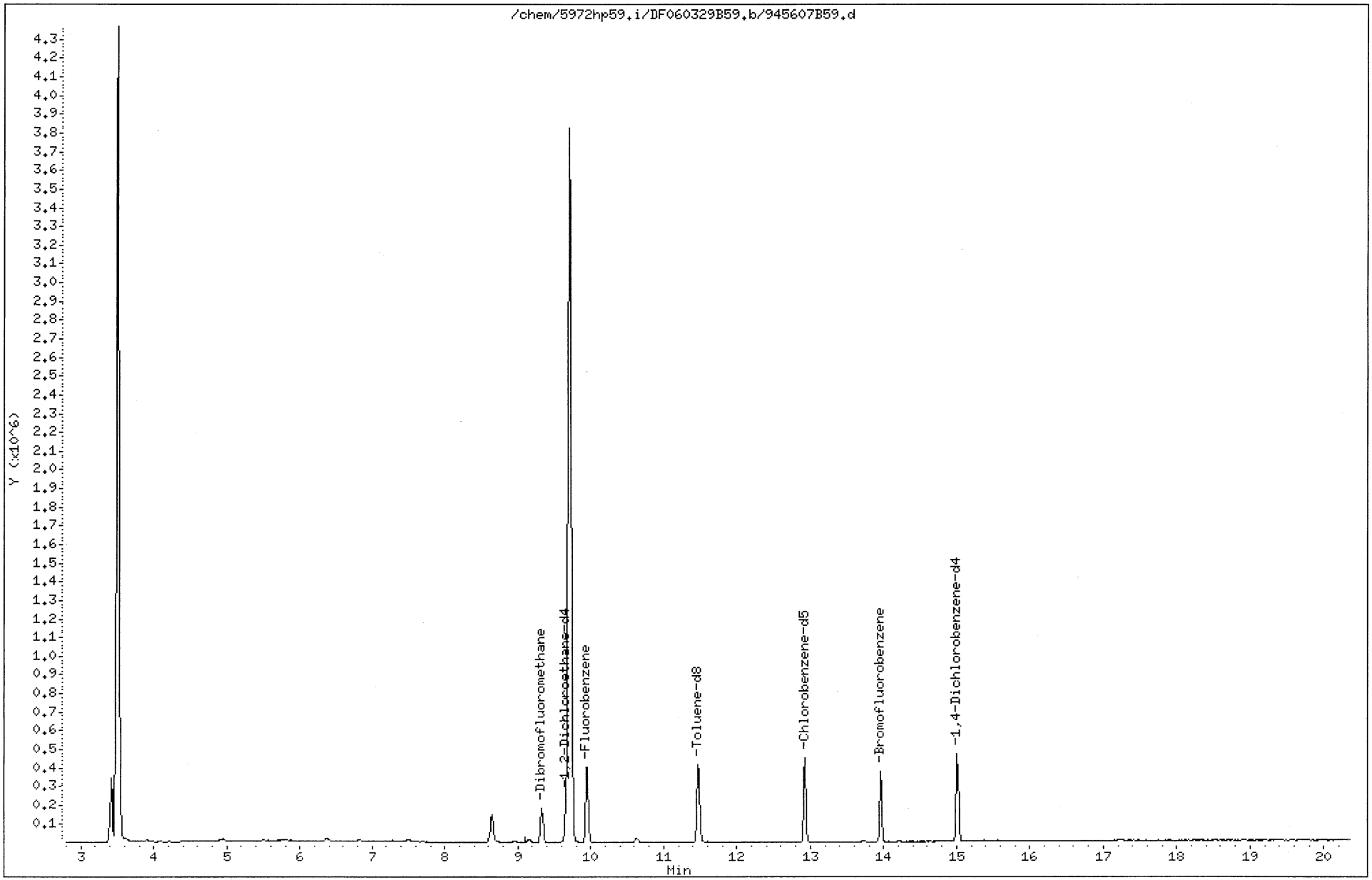
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945607B59.d
Date : 30-MAR-2006 08:49
Client ID: ACSGWMW10C27
Instrument: 5972hp59.i
Sample Info: 945607:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945607B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945607B59.d
Lab Smp Id: 945607 Client Smp ID: ACSGWMW10C27
Inj Date : 30-MAR-2006 08:49
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.951	9.955	(1.000)	472417	250.000	
* 2 Chlorobenzene-d5	117	12.924	12.938	(1.000)	295051	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.011	15.026	(1.000)	135406	250.000	
$ 4 Dibromofluoromethane	113	9.331	9.335	(0.938)	134272	220.110	44
$ 5 1,2-Dichloroethane-d4	65	9.666	9.670	(0.971)	168377	263.443	53
$ 6 Toluene-d8	98	11.477	11.491	(0.888)	417480	236.028	47
$ 7 Bromofluorobenzene	95	13.958	13.962	(0.930)	170396	238.333	48
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945607B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.715	9.729	(0.976)	4684791	2361.83	470(A)
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp59.i/DF060329B59.b/945607B59.d

Date : 30-MAR-2006 08:49

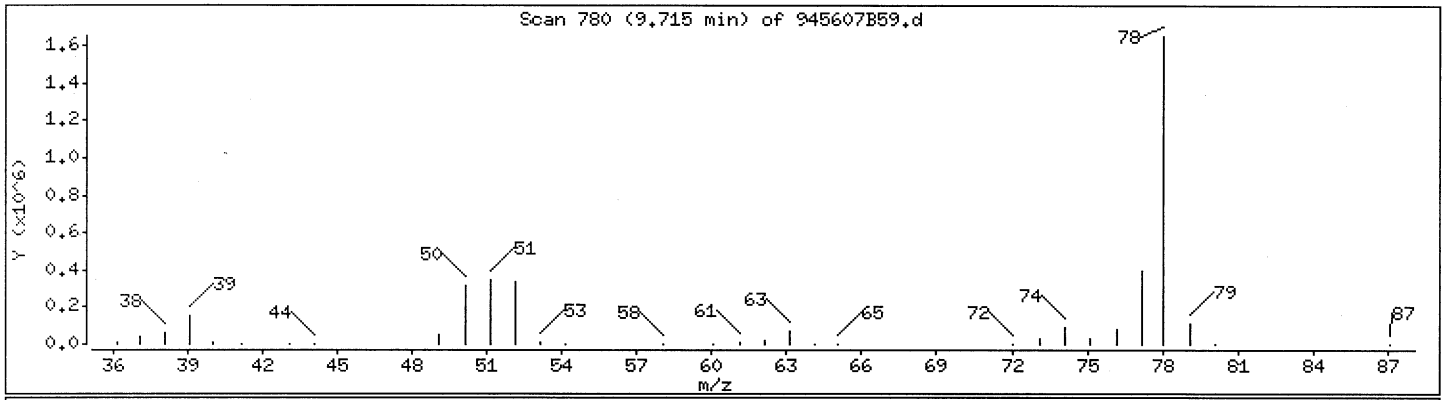
Client ID: ACSGWMW10C27 Instrument: 5972hp59.i

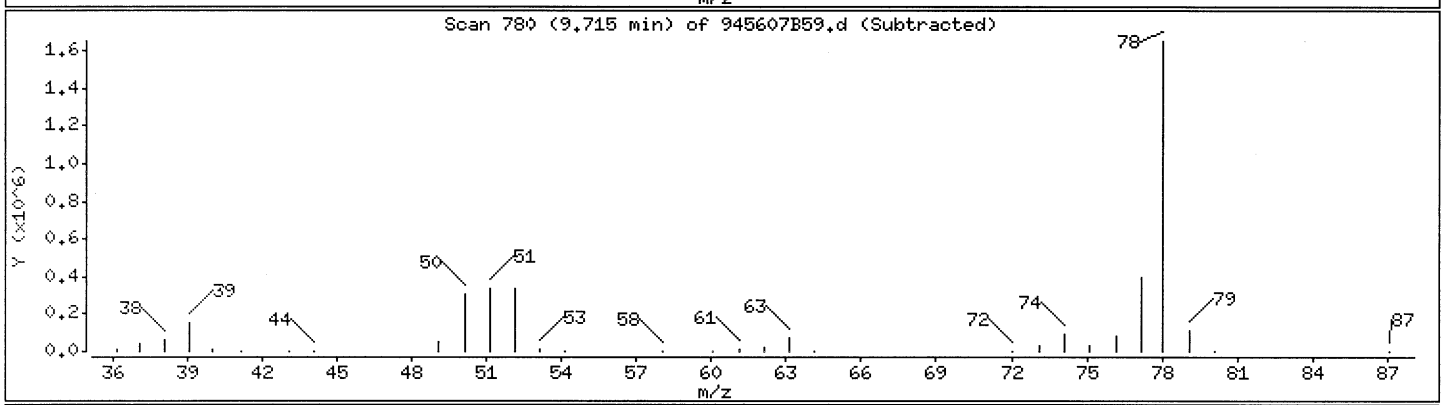
Sample Info: 945607:2481

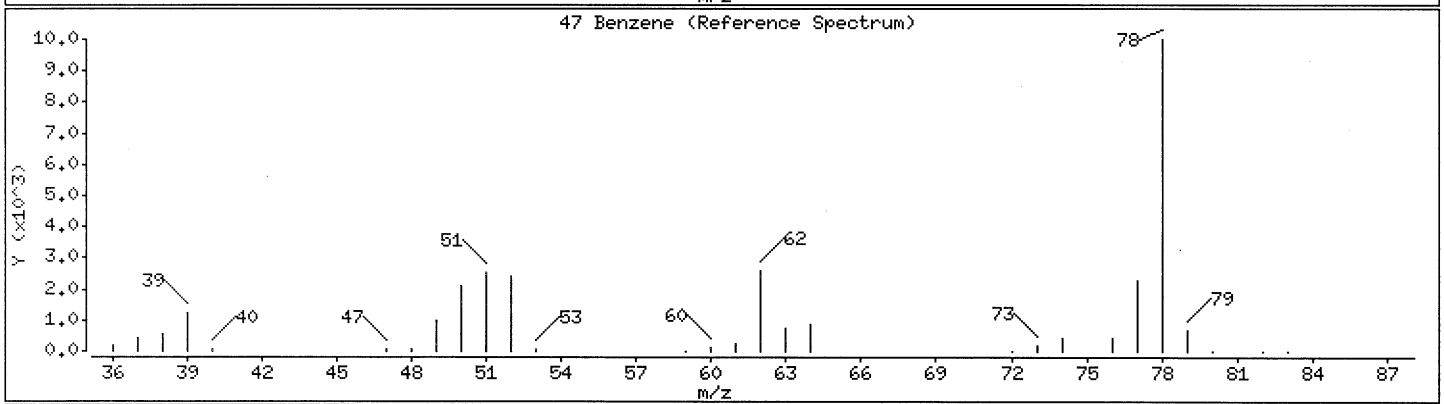
Purge Volume: 5.0 Operator: 2481

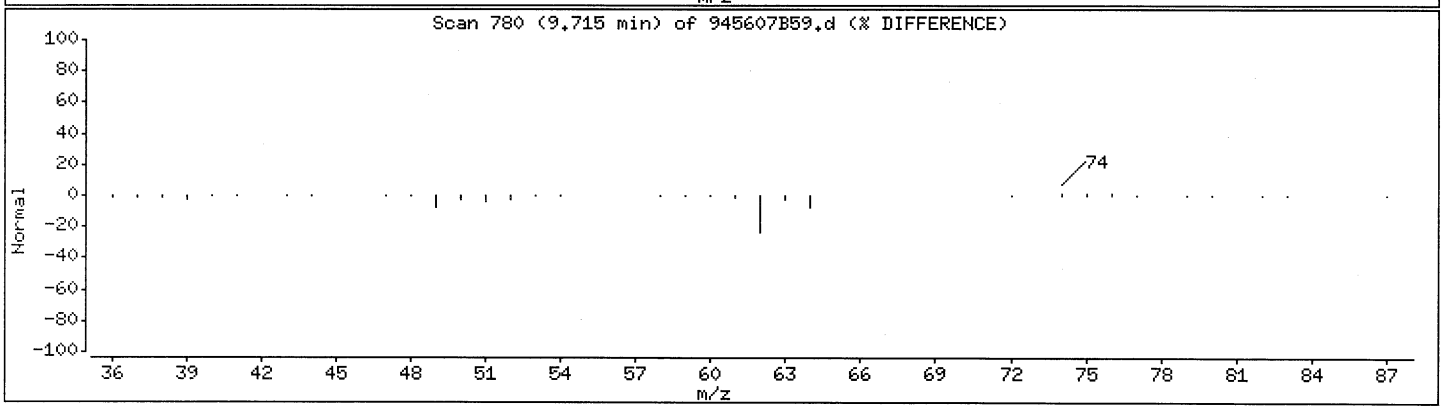
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 470 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945607B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945607B59.d
Lab Smp Id: 945607 Client Smp ID: ACSGWMW10C27
Inj Date : 30-MAR-2006 08:49
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
75-15-0	Carbon disulfide	17	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	17	U
67-64-1	Acetone	42	U
75-09-2	Methylene Chloride	17	U
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl-tert-butyl ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-butanone	42	U
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	530	D
107-06-2	1,2-Dichloroethane	17	U
79-01-6	Trichloroethene	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-pentanone	42	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-hexanone	42	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropyl Benzene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-Chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U
1330-20-7	Xylene (total)	17	U
79-20-9	Methyl acetate	17	U
110-82-7	Cyclohexane	17	U
108-87-2	Methylcyclohexane	17	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
ACSGWMW10C27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

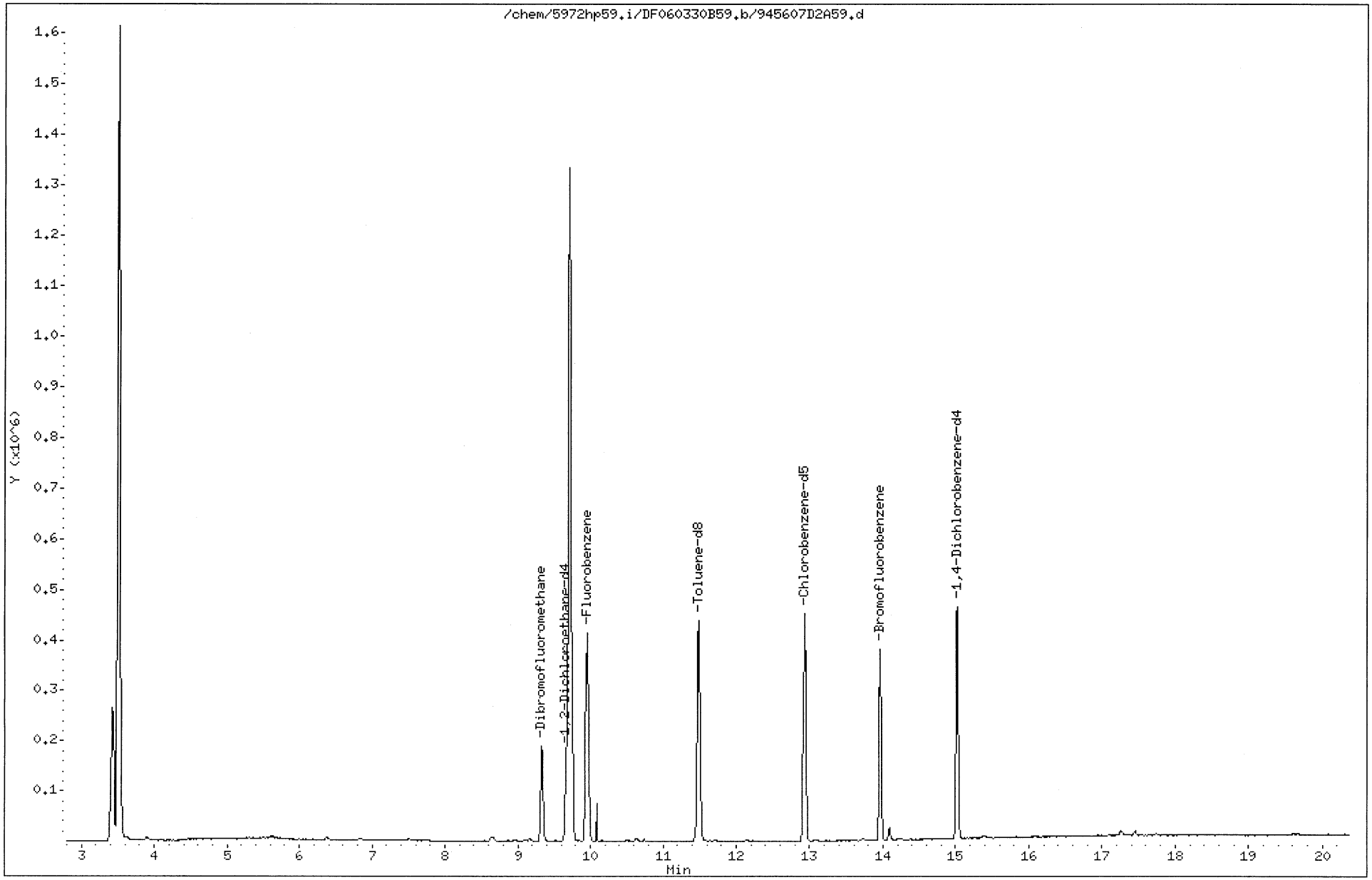
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Date : 31-MAR-2006 01:16
Client ID: ACSGWMW10C27DL
Instrument: 5972hp59.i
Sample Info: 945607;2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

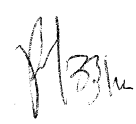
Data file : /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Lab Smp Id: 945607 Client Smp ID: ACSGWMW10C27DL
Inj Date : 31-MAR-2006 01:16
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 3.33000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	3.33000	Dilution Factor
Vo	5.00000	volume of water
DF	3.33000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.953	9.957	(1.000)	508391	250.000	
* 2 Chlorobenzene-d5	117	12.936	12.931	(1.000)	333383	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.023	15.018	(1.000)	156606	250.000	
$ 4 Dibromofluoromethane	113	9.333	9.337	(0.938)	145929	222.292	150
$ 5 1,2-Dichloroethane-d4	65	9.667	9.672	(0.971)	152323	221.461	150
$ 6 Toluene-d8	98	11.489	11.483	(0.888)	449259	224.790	150
$ 7 Bromofluorobenzene	95	13.960	13.964	(0.929)	185949	224.879	150
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					



Data File: /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Report Date: 31-Mar-2006 07:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.727	9.721	(0.977)	1708980	800.615	530
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/945607D2A59.d

Date : 31-MAR-2006 01:16

Client ID: ACSGWMW10C27DL

Instrument: 5972hp59.i

Sample Info: 945607:2481

Purge Volume: 5.0

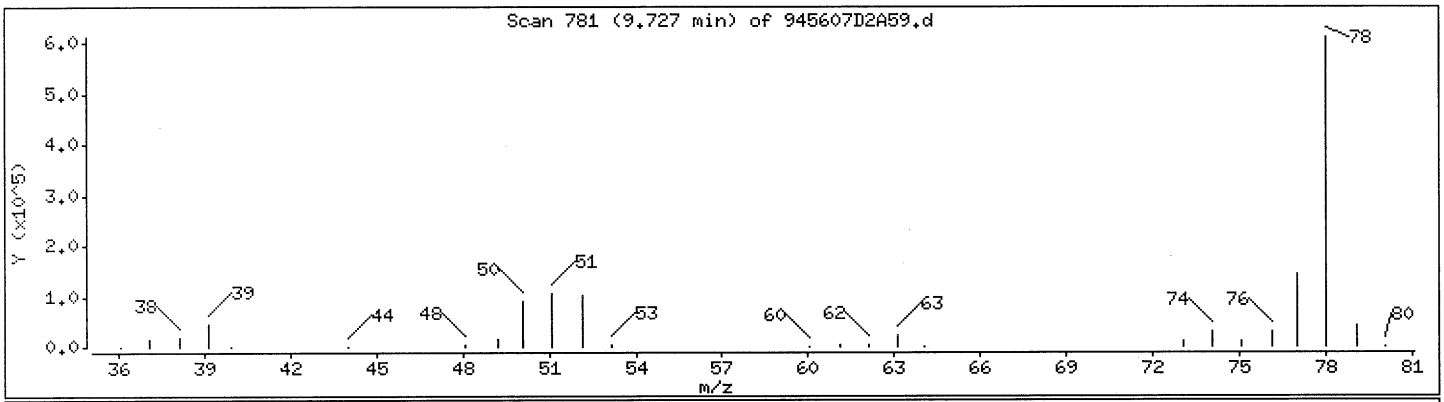
Operator: 2481

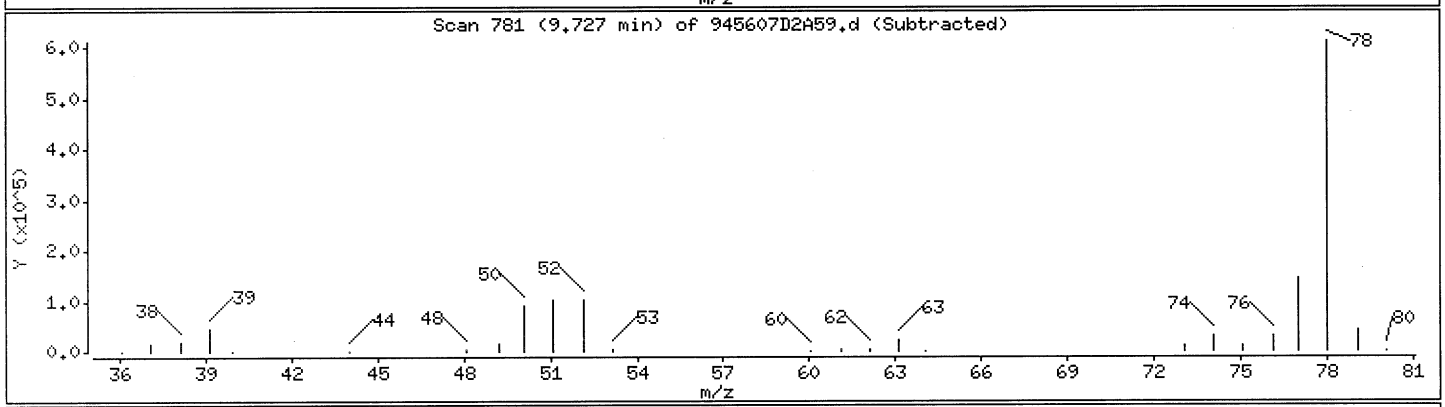
Column phase: ZB-624

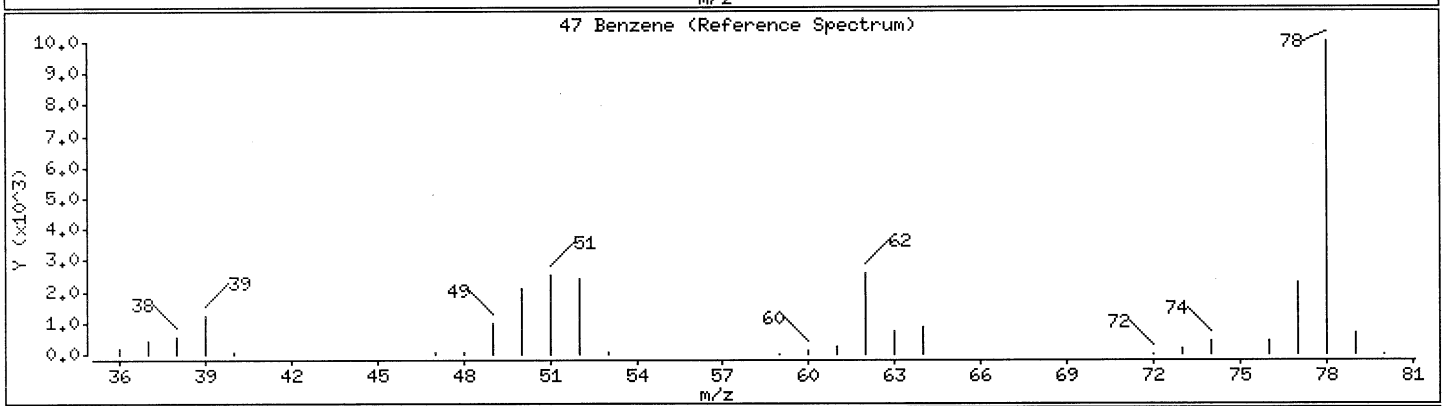
Column diameter: 0.32

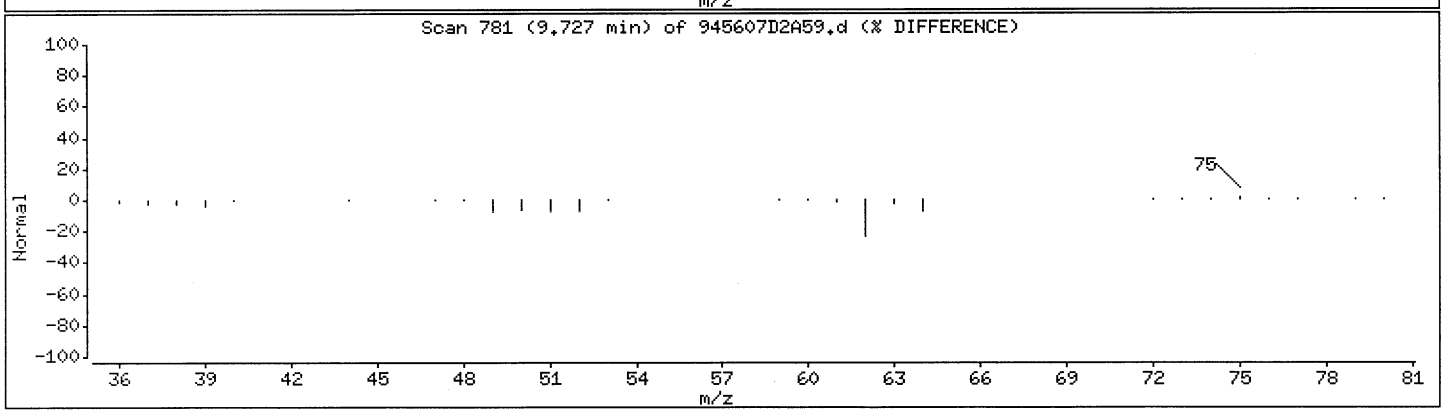
47 Benzene

Concentration: 530 ug/L









Data File: /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945607D2A59.d
Lab Smp Id: 945607 Client Smp ID: ACSGWMW10C27DL
Inj Date : 31-MAR-2006 01:16
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945607:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 3.33000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

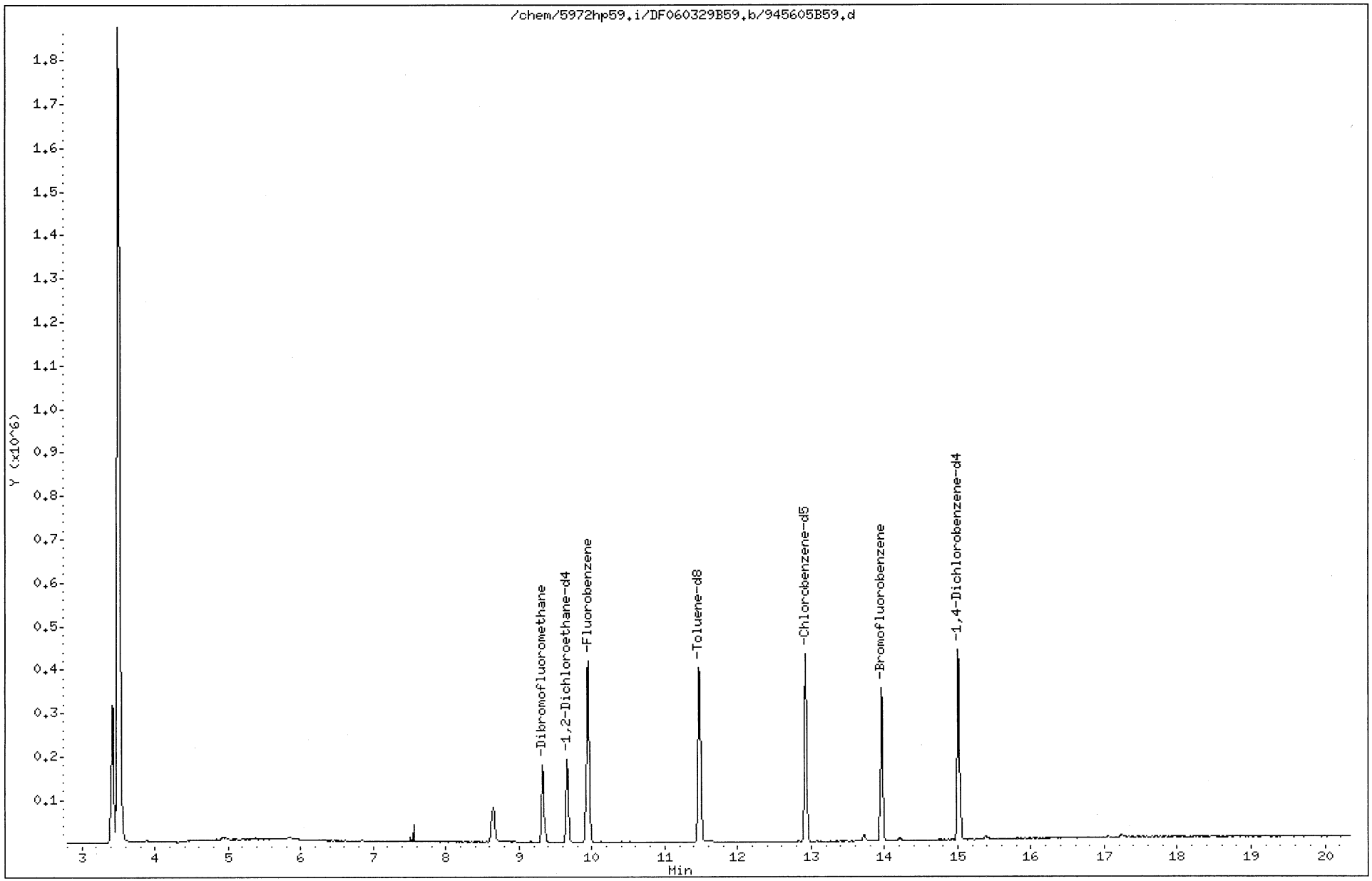
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945605B59.d
Date : 30-MAR-2006 07:52
Client ID: ACSGWMW11-27
Instrument: 5972hp59.i
Sample Info: 945605:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945605B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945605B59.d
Lab Smp Id: 945605 Client Smp ID: ACSGWMW11-27
Inj Date : 30-MAR-2006 07:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945605:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.949	9.955	(1.000)	455072	250.000	
* 2 Chlorobenzene-d5	117	12.922	12.938	(1.000)	287349	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.009	15.026	(1.000)	129935	250.000	
$ 4 Dibromofluoromethane	113	9.328	9.335	(0.938)	126835	215.844	43
$ 5 1,2-Dichloroethane-d4	65	9.663	9.670	(0.971)	161966	263.071	53
$ 6 Toluene-d8	98	11.475	11.491	(0.888)	405656	235.490	47
$ 7 Bromofluorobenzene	95	13.956	13.962	(0.930)	161444	235.320	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945605B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945605B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945605B59.d
Lab Smp Id: 945605 Client Smp ID: ACSGWMW11-27
Inj Date : 30-MAR-2006 07:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945605:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

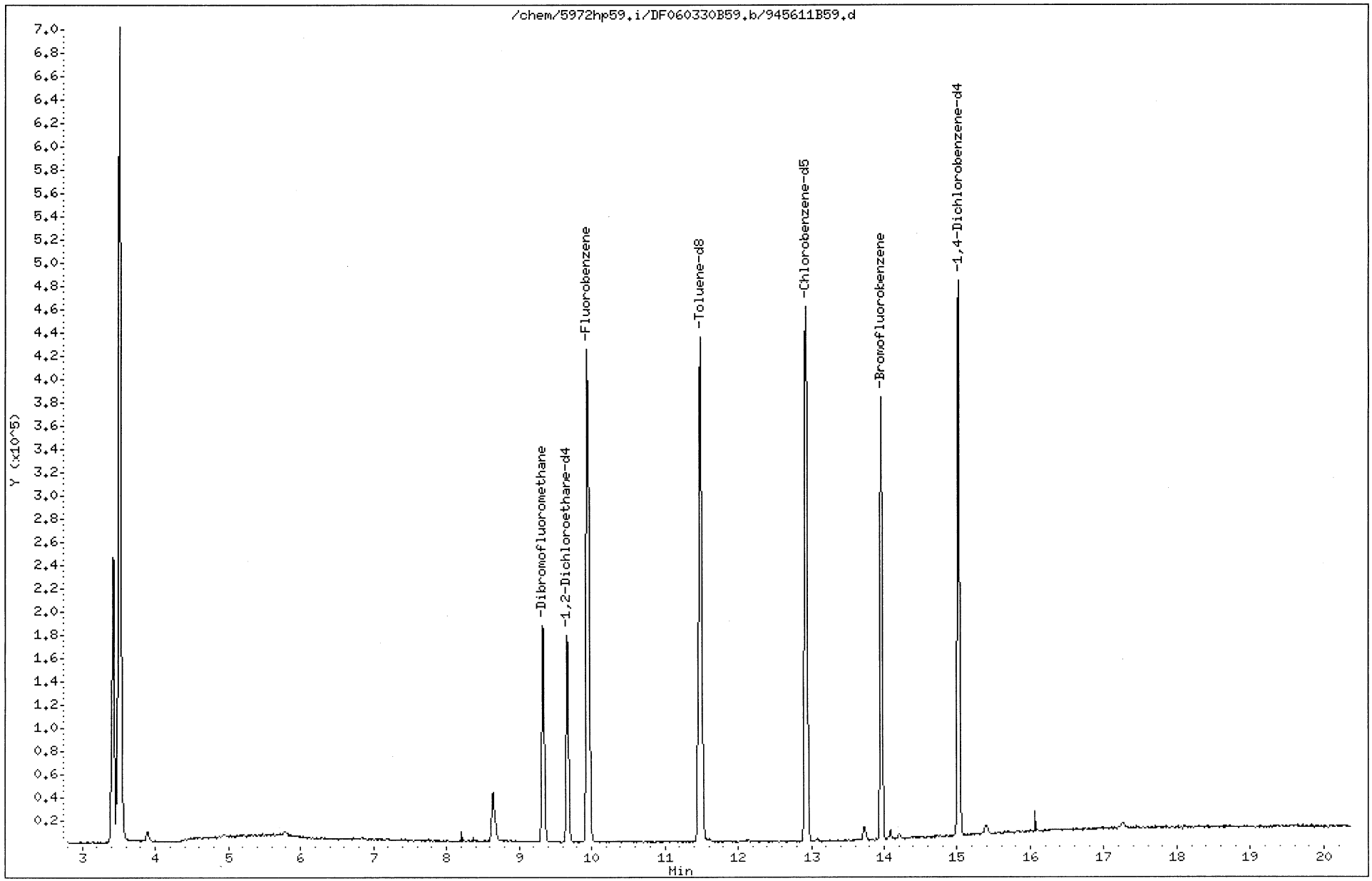
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	6.1	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330B59.b/945611B59.d
Date : 31-MAR-2006 01:44
Client ID: ACSGWMW14-27
Instrument: 5972hp59.i
Sample Info: 945611:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/945611B59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945611B59.d
Lab Smp Id: 945611 Client Smp ID: ACSGWMW14-27
Inj Date : 31-MAR-2006 01:44
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945611:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	9.951	9.957	(1.000)	504257	250.000	
*	2 Chlorobenzene-d5	117	12.934	12.931	(1.000)	339934	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.021	15.018	(1.000)	158419	250.000	
$	4 Dibromofluoromethane	113	9.331	9.337	(0.938)	146791	225.438	45
$	5 1,2-Dichloroethane-d4	65	9.666	9.672	(0.971)	158877	232.883	47
$	6 Toluene-d8	98	11.487	11.483	(0.888)	447382	219.537	44
$	7 Bromofluorobenzene	95	13.958	13.964	(0.929)	187741	224.447	45
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/945611B59.d
Report Date: 31-Mar-2006 07:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/945611B59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945611B59.d
Lab Smp Id: 945611 Client Smp ID: ACSGWMW14-27
Inj Date : 31-MAR-2006 01:44
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945611:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.951	1078516	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.652	130881	30.3382165	6.1	0		0	1

Data File: /chem/5972hp59.i/DF060330B59.b/945611B59.d

Date : 31-MAR-2006 01:44

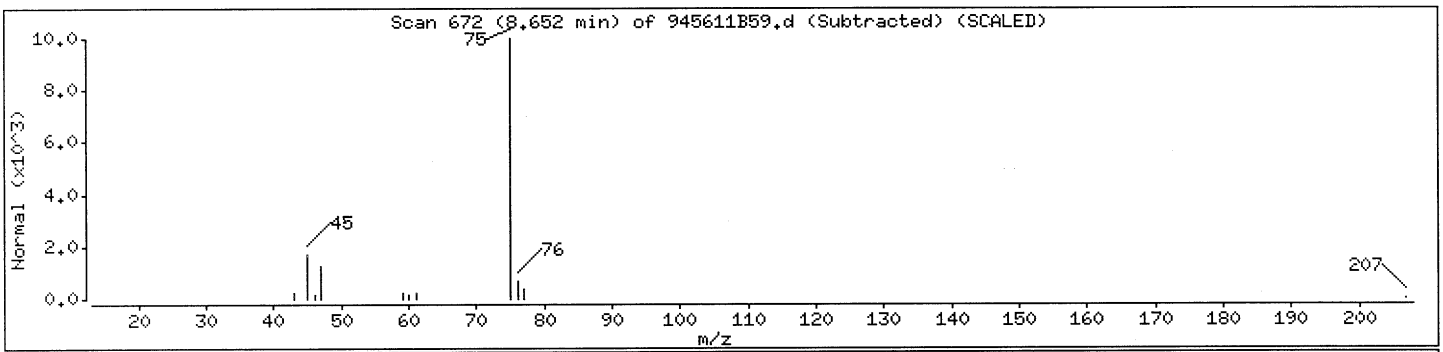
Client ID: ACSGWMW14-27 Instrument: 5972hp59.i

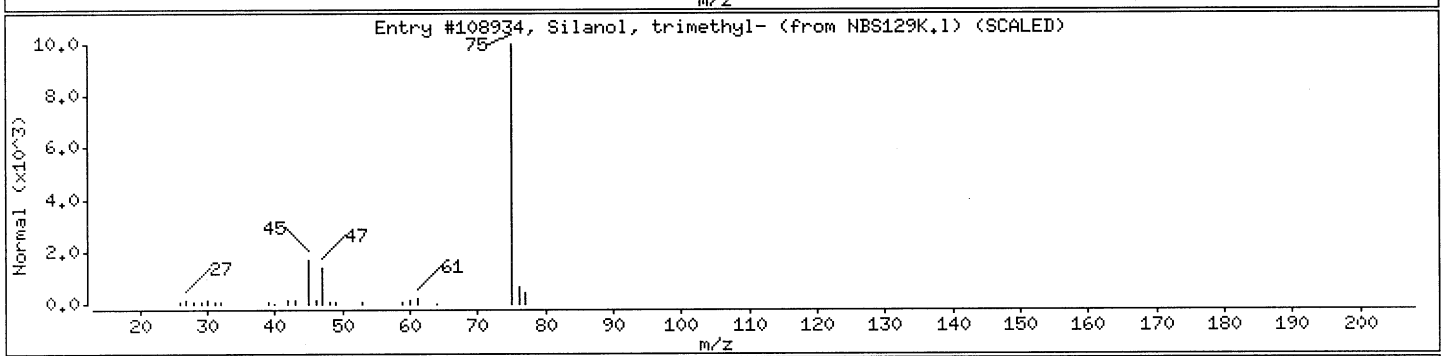
Sample Info: 945611:2481

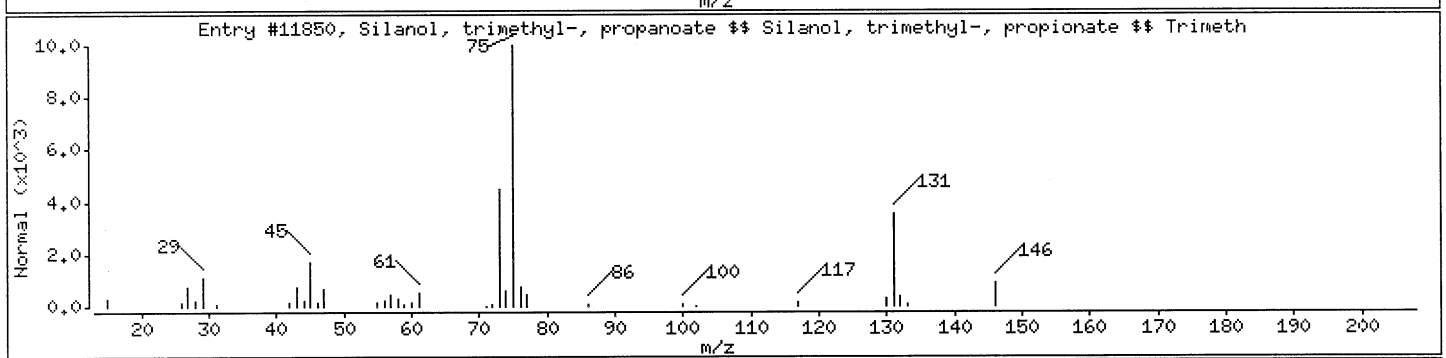
Purge Volume: 5.0 Operator: 2481

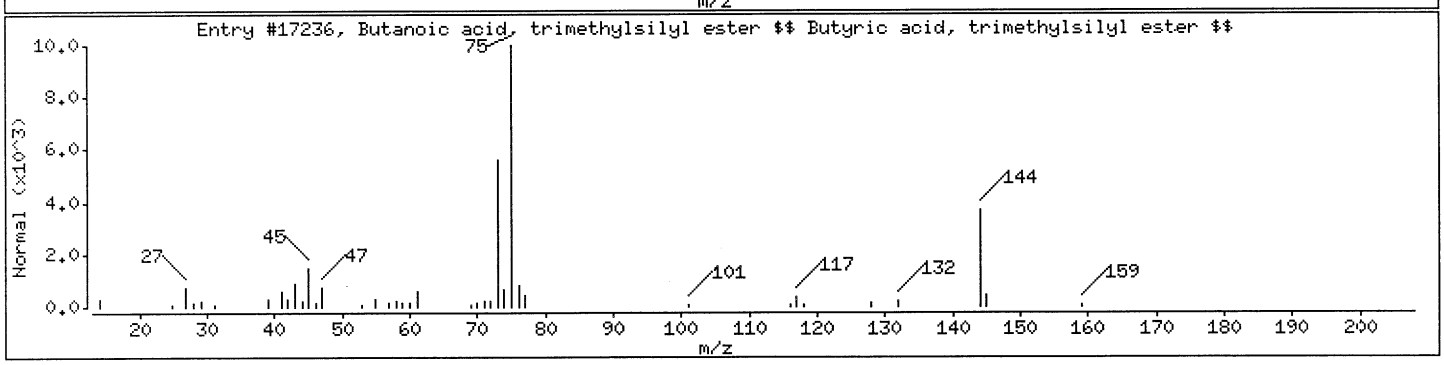
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	83	C3H10OSi	90
Silanol, trimethyl-, propanoate $$ Silan	16844-98-7	NBS129K.l	11850	74	C6H14O2Si	146
Butanoic acid, trimethylsilyl ester $$ B	16844-99-8	NBS129K.l	17236	74	C7H16O2Si	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

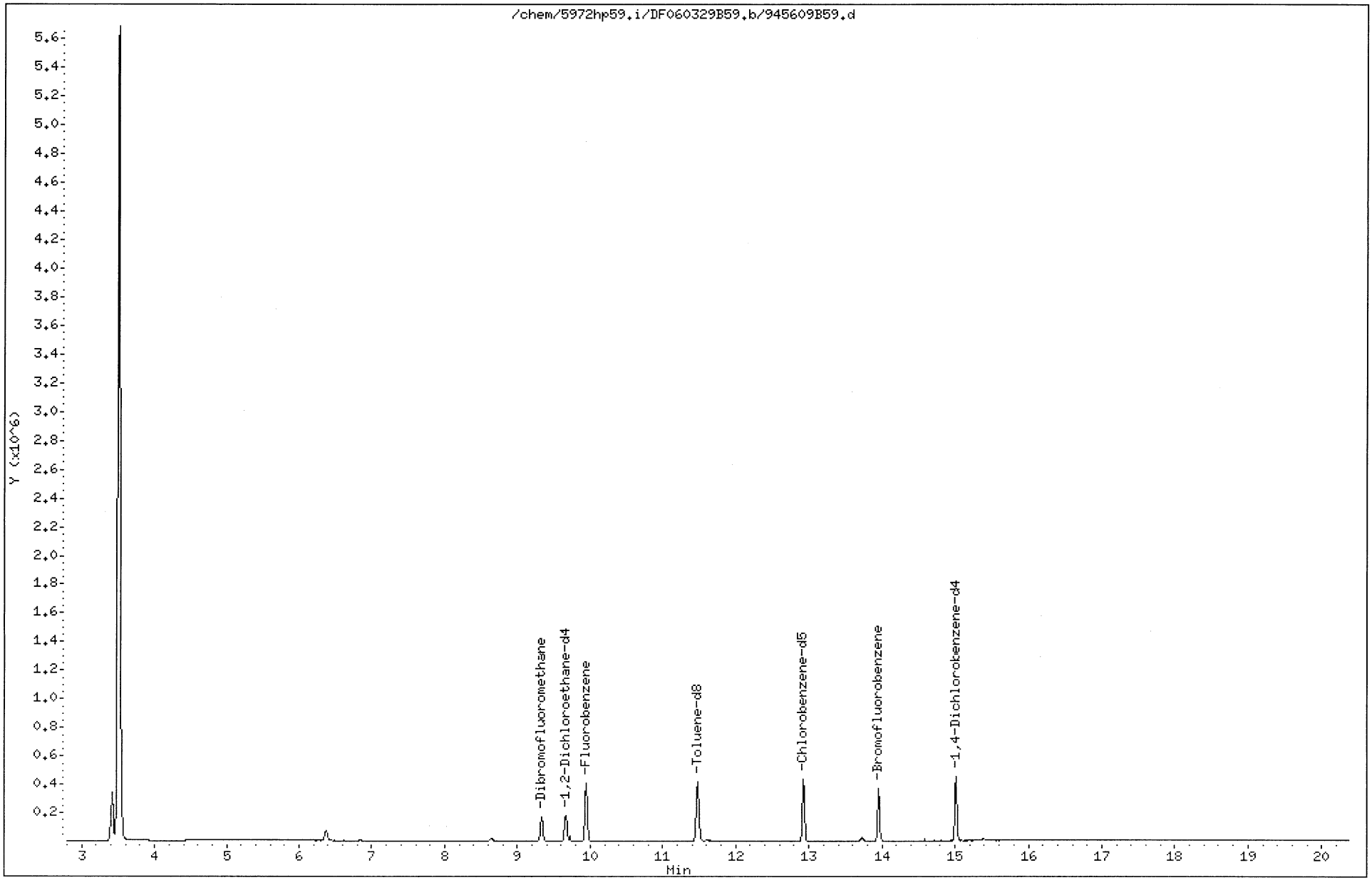
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.37	12	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945609B59.d
Date : 30-MAR-2006 09:46
Client ID: ACSGWMW23-27
Instrument: 5972hp59.i
Sample Info: 945609:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945609B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945609B59.d
Lab Smp Id: 945609 Client Smp ID: ACSGWMW23-27
Inj Date : 30-MAR-2006 09:46
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1	Fluorobenzene	96	9.942	9.955	(1.000)	442604	250.000	
* 2	Chlorobenzene-d5	117	12.925	12.938	(1.000)	279382	250.000	
* 3	1,4-Dichlorobenzene-d4	152	15.013	15.026	(1.000)	128349	250.000	
$ 4	Dibromofluoromethane	113	9.332	9.335	(0.939)	127687	223.415	45
$ 5	1,2-Dichloroethane-d4	65	9.667	9.670	(0.972)	164140	274.112	55
$ 6	Toluene-d8	98	11.478	11.491	(0.888)	399194	238.347	48
$ 7	Bromofluorobenzene	95	13.959	13.962	(0.930)	163546	241.329	48
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	1,1-Dichloroethene	96	Compound Not Detected.					
17	Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945609B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945609B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945609B59.d
Lab Smp Id: 945609 Client Smp ID: ACSGWMW23-27
Inj Date : 30-MAR-2006 09:46
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945609:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.942	1046084	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether			CAS #: 60-29-7				
6.369	246151	58.8267004	12	90	NBS129K.l	108349	1

Data File: /chem/5972hp59.i/DF060329B59.b/945609B59.d

Date : 30-MAR-2006 09:46

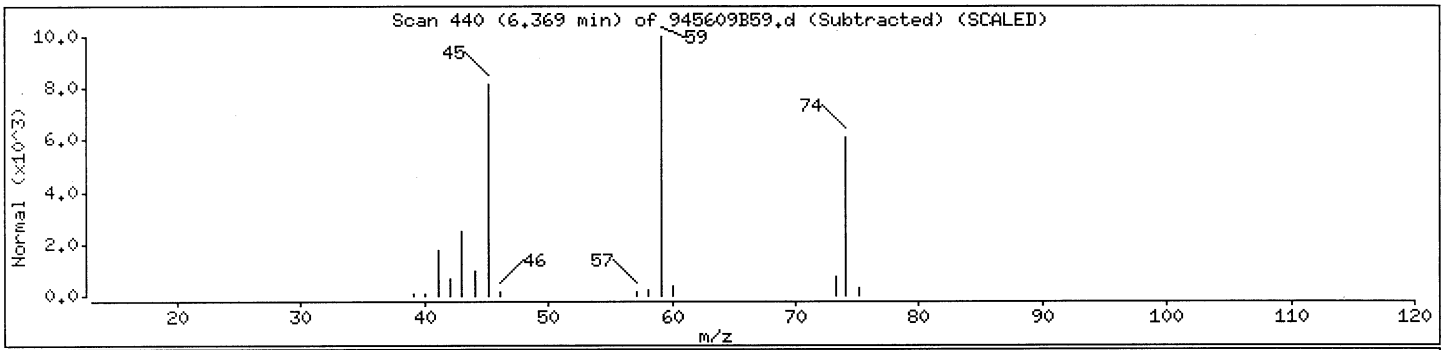
Client ID: ACSGWMW23-27 Instrument: 5972hp59.i

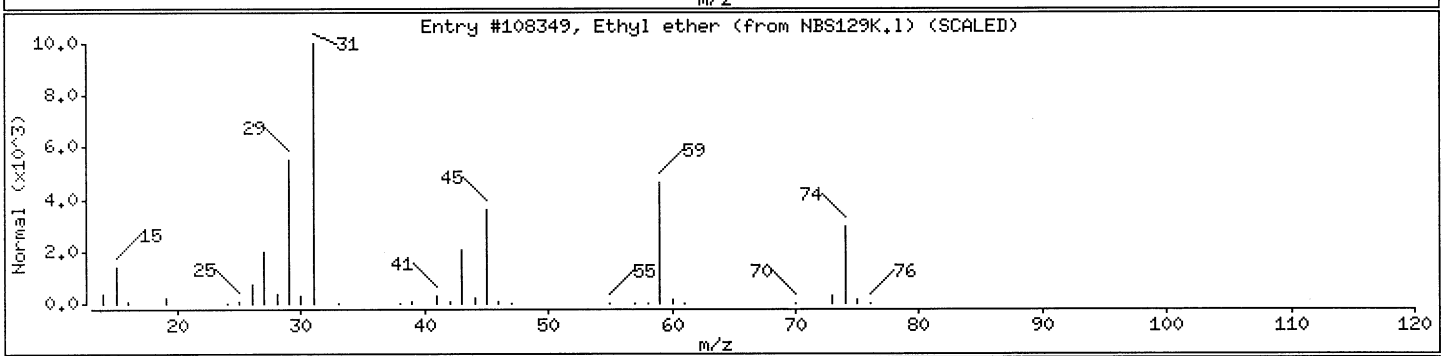
Sample Info: 945609:2481

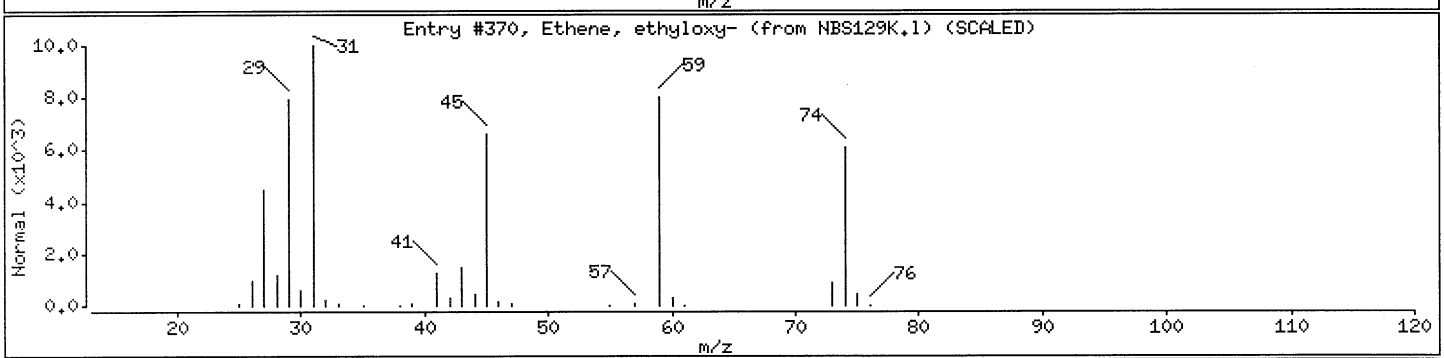
Purge Volume: 5.0 Operator: 2481

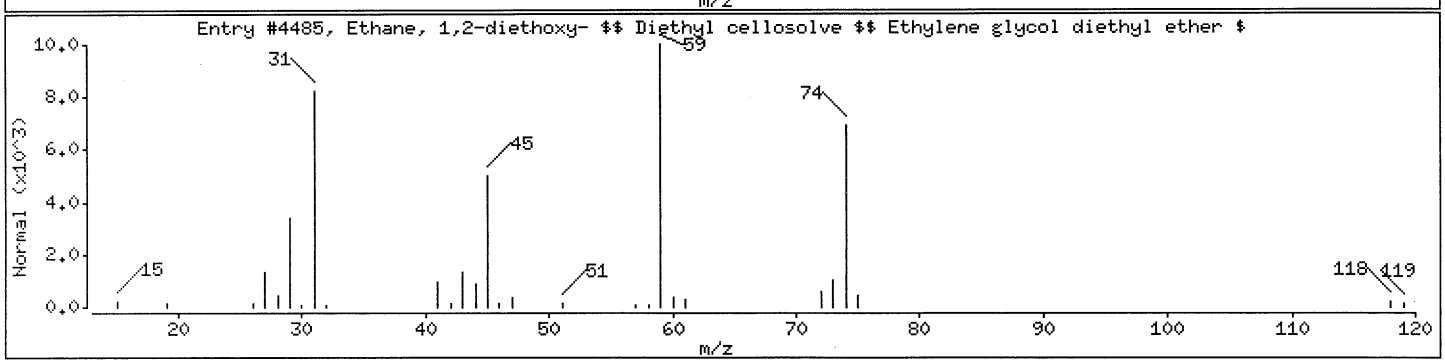
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether	60-29-7	NBS129K.l	108349	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	64	C4H10O	74
Ethane, 1,2-diethoxy- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	53	C6H14O2	118









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

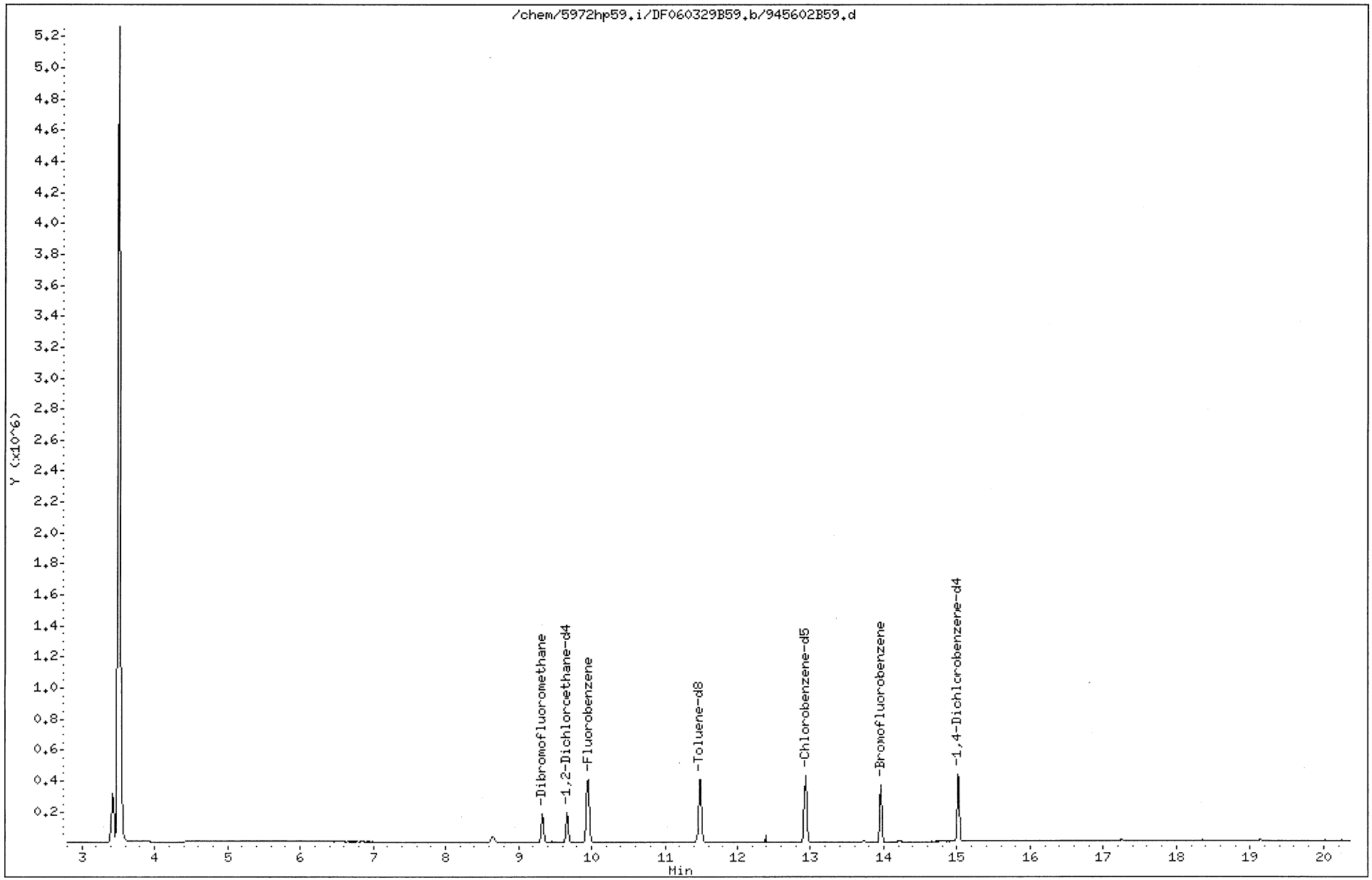
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945602B59.d
Date : 30-MAR-2006 06:26
Client ID: ACSGWMW24-27 Instrument: 5972hp59.i
Sample Info: 945602:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945602B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945602B59.d
Lab Smp Id: 945602 Client Smp ID: ACSGWMW24-27
Inj Date : 30-MAR-2006 06:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945602:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.953	9.955	(1.000)	455646	250.000	
* 2 Chlorobenzene-d5	117	12.936	12.938	(1.000)	291063	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.013	15.026	(1.000)	136585	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.335	(0.938)	128997	219.246	44
$ 5 1,2-Dichloroethane-d4	65	9.667	9.670	(0.971)	163990	266.023	53
$ 6 Toluene-d8	98	11.489	11.491	(0.888)	412641	236.488	47
$ 7 Bromofluorobenzene	95	13.960	13.962	(0.930)	170026	235.763	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945602B59.d
Report Date: 30-Mar-2006 03:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945602B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945602B59.d
Lab Smp Id: 945602 Client Smp ID: ACSGWMW24-27
Inj Date : 30-MAR-2006 06:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945602:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.953	1051208	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.653	116248	27.6463731	5.5	0		0	1

Data File: /chem/5972hp59.i/DF060329B59.b/945602B59.d

Date : 30-MAR-2006 06:26

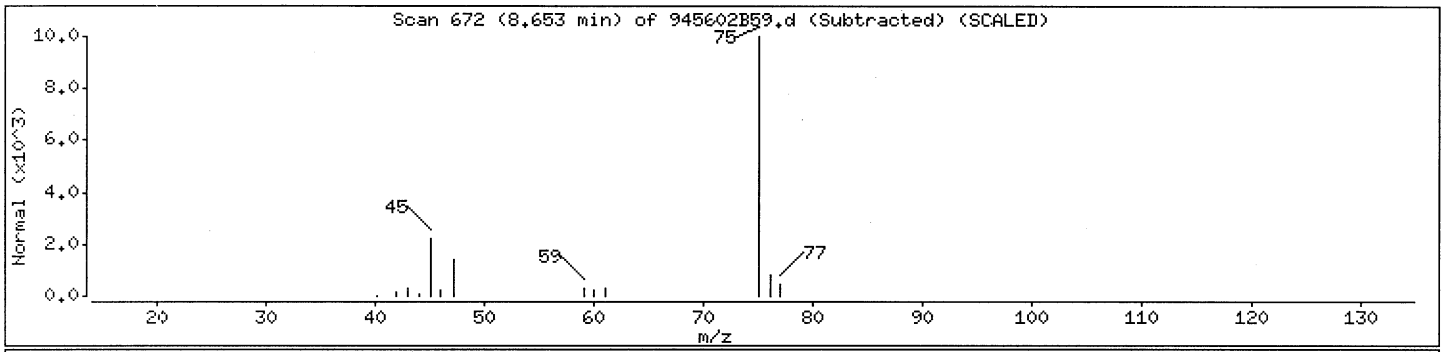
Client ID: ACSGWMW24-27 Instrument: 5972hp59.i

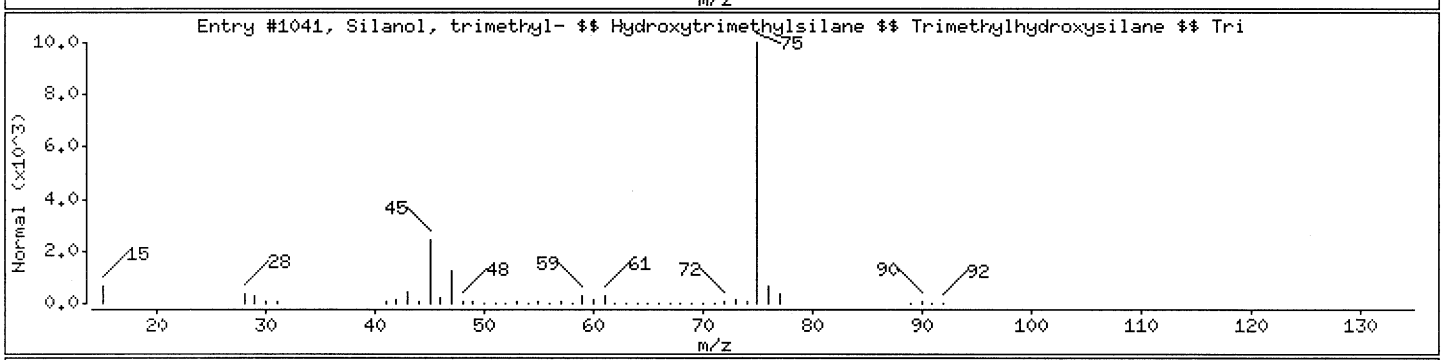
Sample Info: 945602:2481

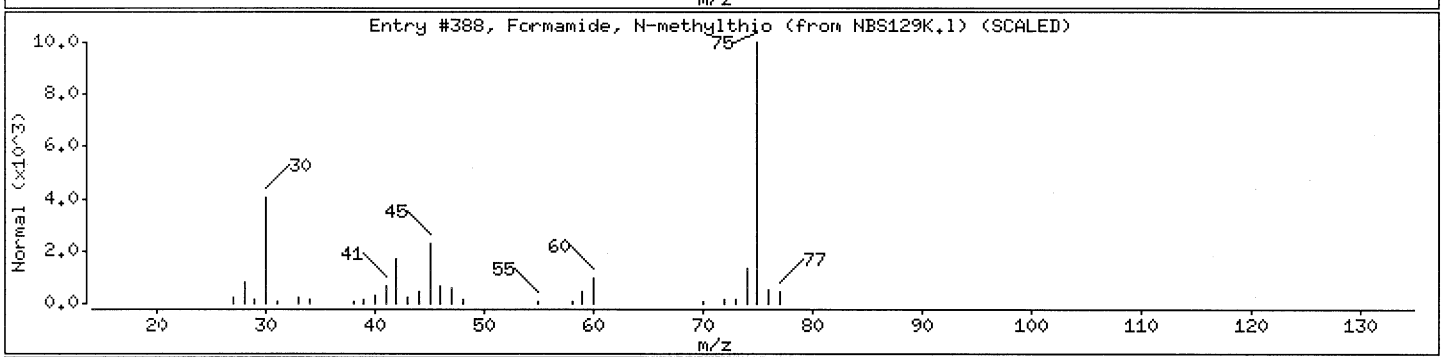
Purge Volume: 5.0 Operator: 2481

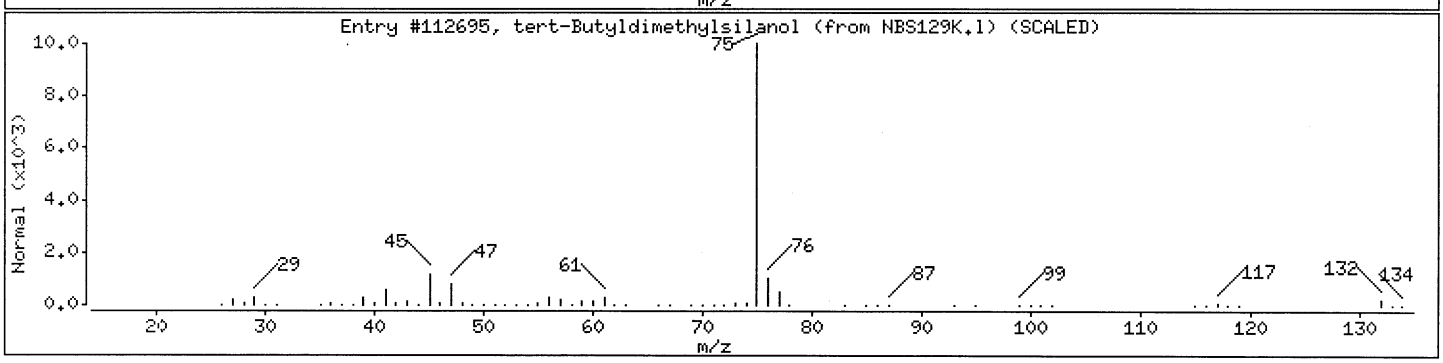
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	80	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

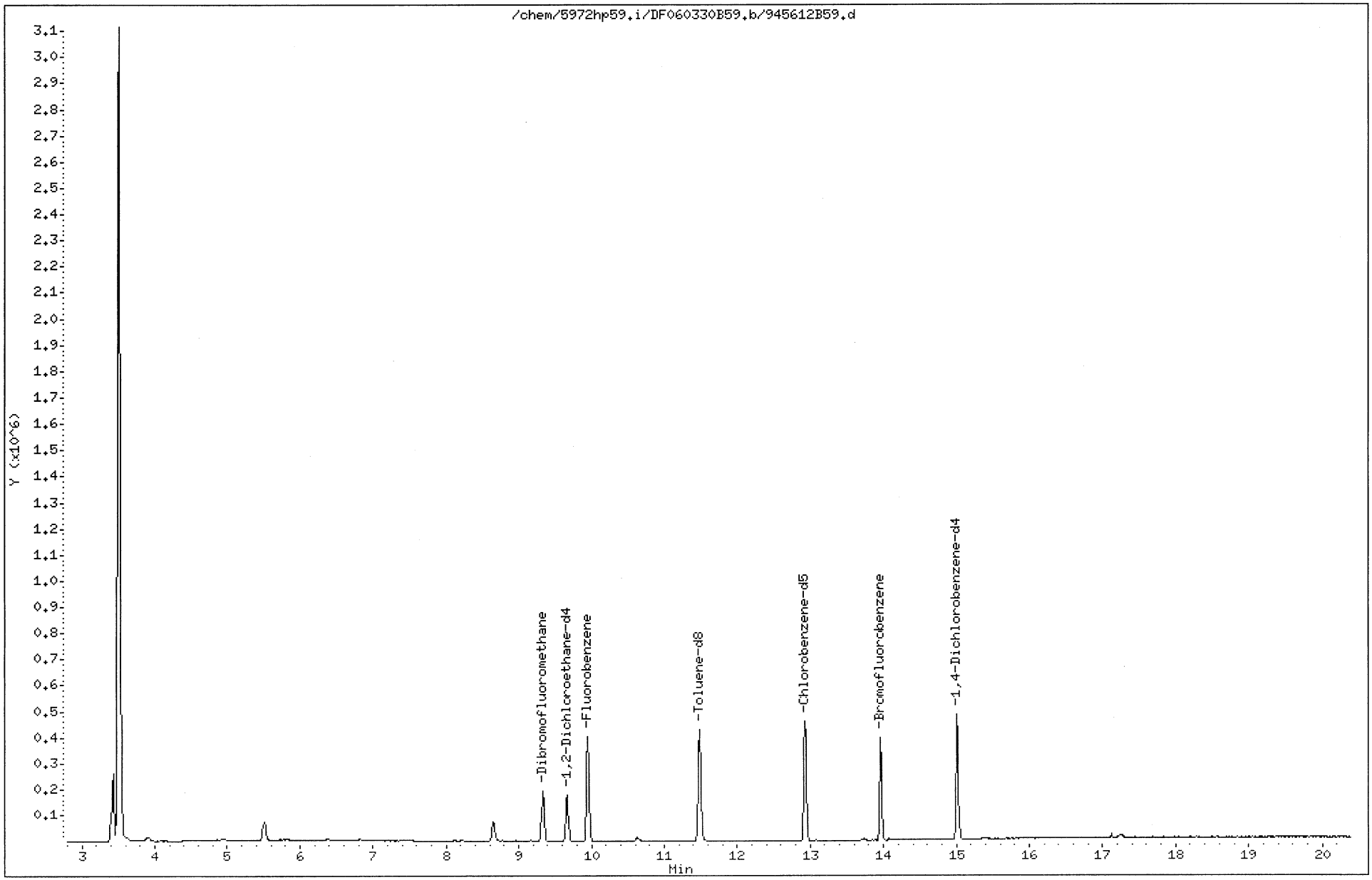
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d
Date : 31-MAR-2006 02:13
Client ID: ACSGWMW29-27
Instrument: 5972hp59.i
Sample Info: 945612:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d
Report Date: 31-Mar-2006 07:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945612B59.d
Lab Smp Id: 945612 Client Smp ID: ACSGWMW29-27
Inj Date : 31-MAR-2006 02:13
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945612:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.956	9.957	(1.000)	491177	250.000	
* 2 Chlorobenzene-d5	117	12.929	12.931	(1.000)	325287	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.018	(1.000)	155159	250.000	
$ 4 Dibromofluoromethane	113	9.336	9.337	(0.938)	141583	223.230	45
$ 5 1,2-Dichloroethane-d4	65	9.671	9.672	(0.971)	153030	230.286	46
$ 6 Toluene-d8	98	11.482	11.483	(0.888)	438414	224.824	45
$ 7 Bromofluorobenzene	95	13.963	13.964	(0.930)	181926	222.065	44
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.506	5.507	(0.553)	87440	399.483	80(H)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

2

3314

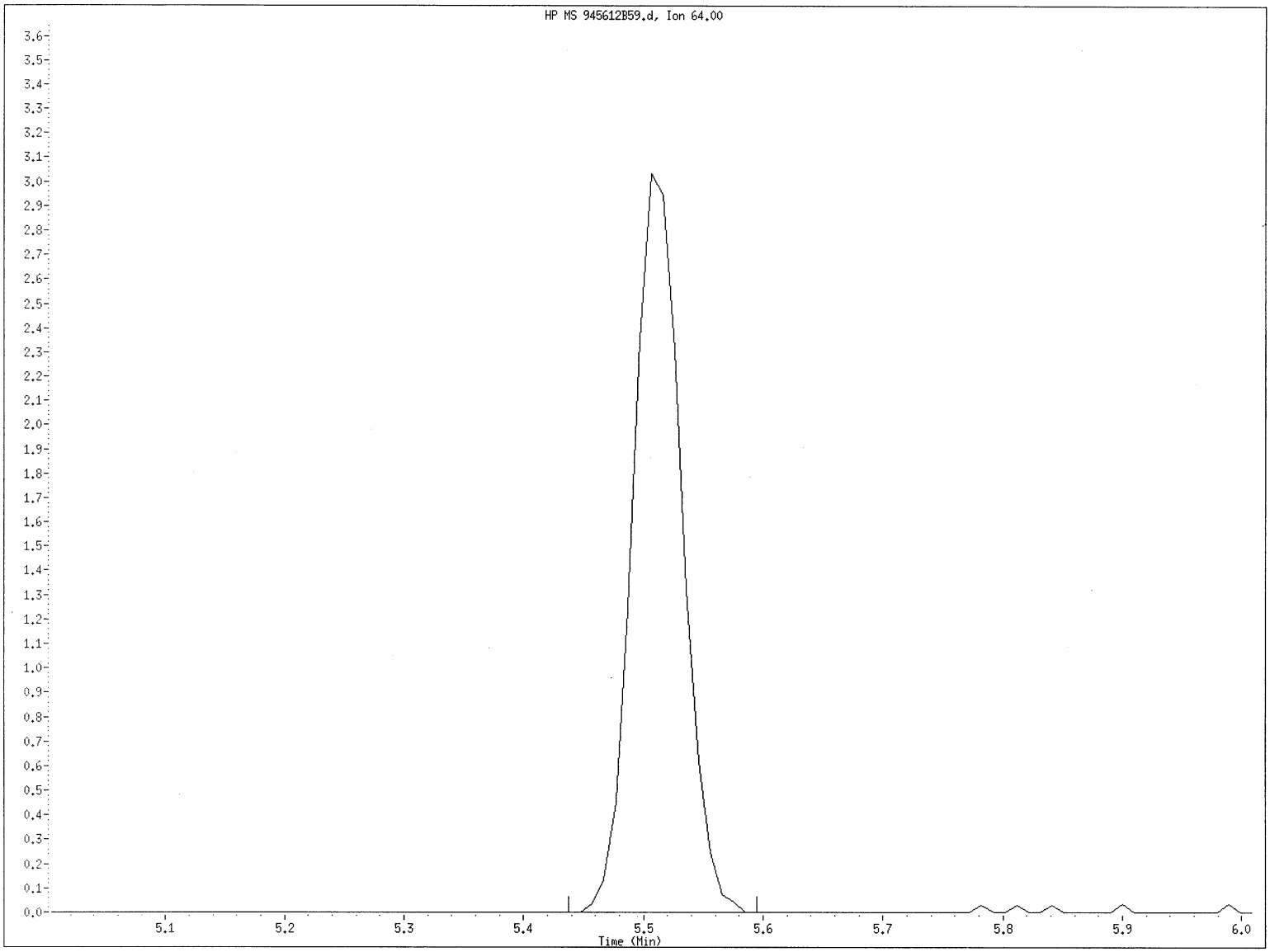
Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d
Report Date: 31-Mar-2006 07:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Chloroethane CAS Number 75-00-3 Area = 87440 User selected hit



File name: /chem/5972hp59.i/DF060330B59.b/945612B59.d
Client ID: ACSGWMW29-27
Instrument ID: 5972hp59.i
Injection Date and Time: 31-MAR-2006 02:13
Retention Time: 5.51
Operator ID: 2481

Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d

Date : 31-MAR-2006 02:13

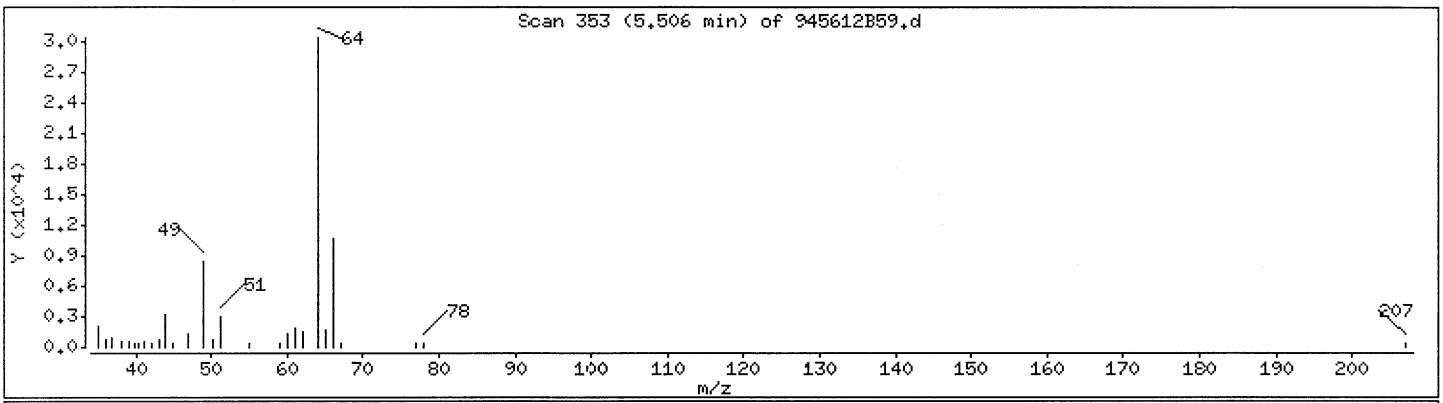
Client ID: ACSGWMW29-27 Instrument: 5972hp59.i

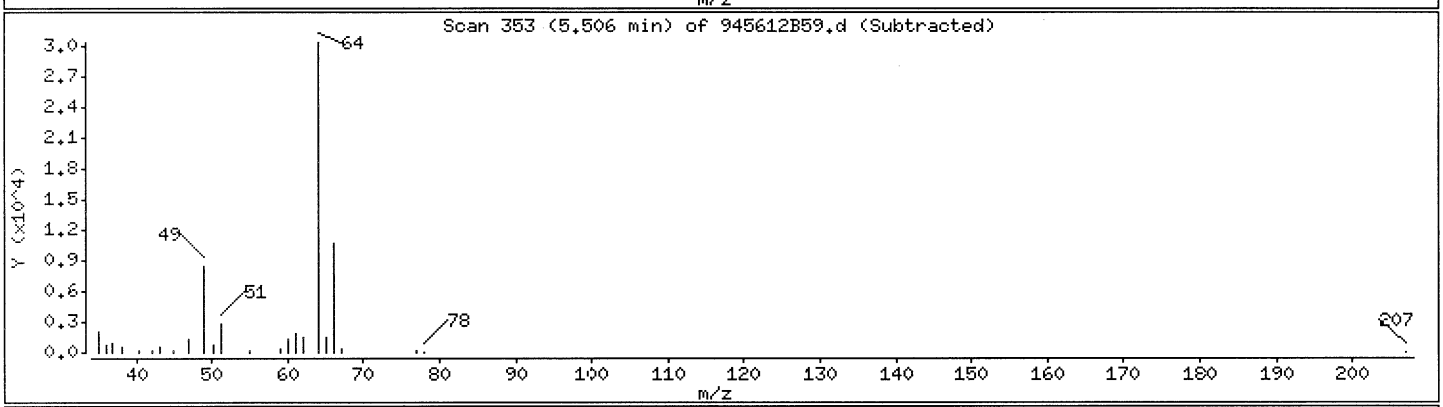
Sample Info: 945612:2481

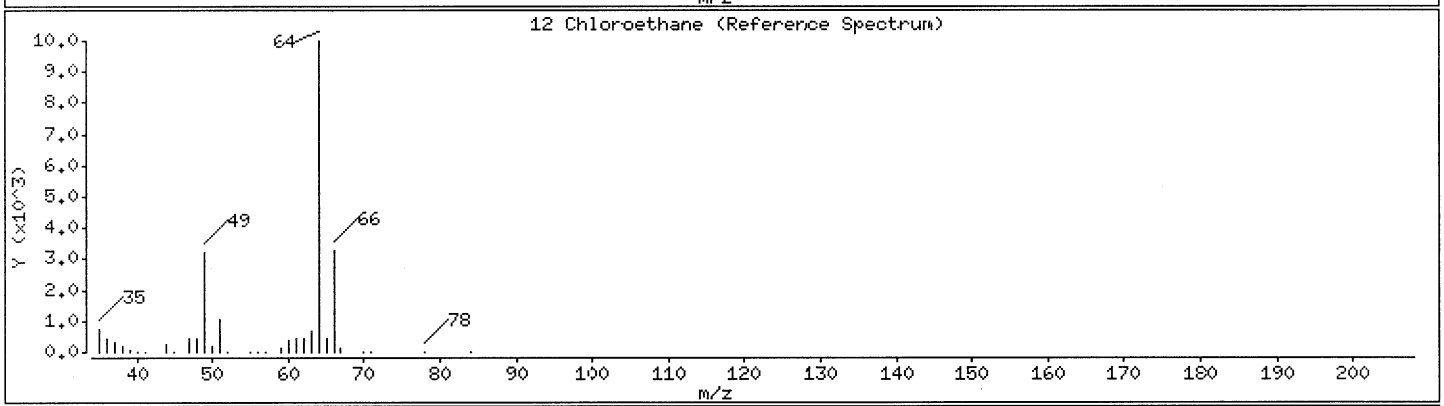
Purge Volume: 5.0 Operator: 2481

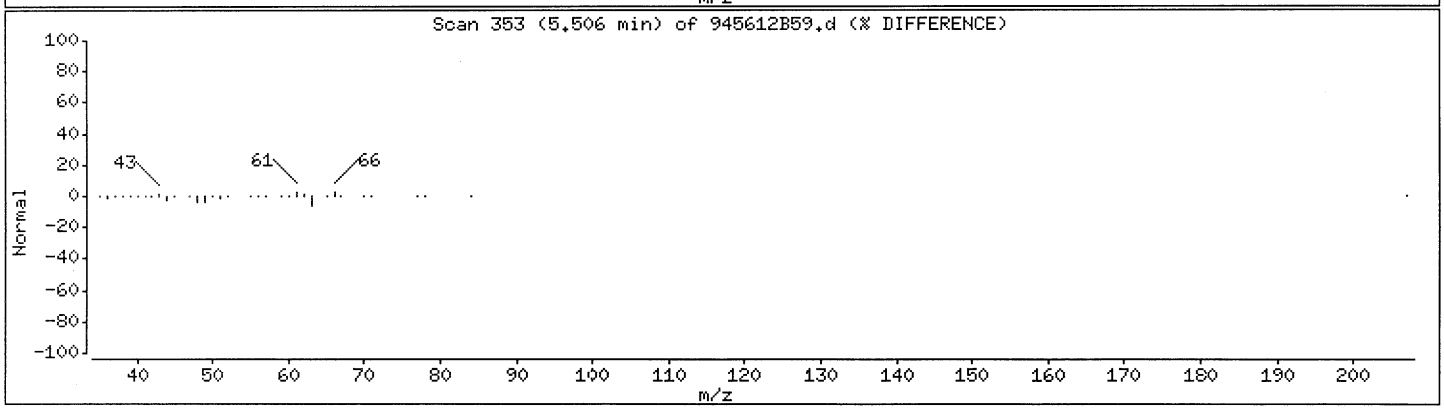
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 80 ug/L









Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d
Report Date: 31-Mar-2006 07:18

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/945612B59.d
Lab Smp Id: 945612 Client Smp ID: ACSGWMW29-27
Inj Date : 31-MAR-2006 02:13
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945612:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.956	1059705	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
8.647	221289	52.2053952	10	0		0	1

Data File: /chem/5972hp59.i/DF060330B59.b/945612B59.d

Date : 31-MAR-2006 02:13

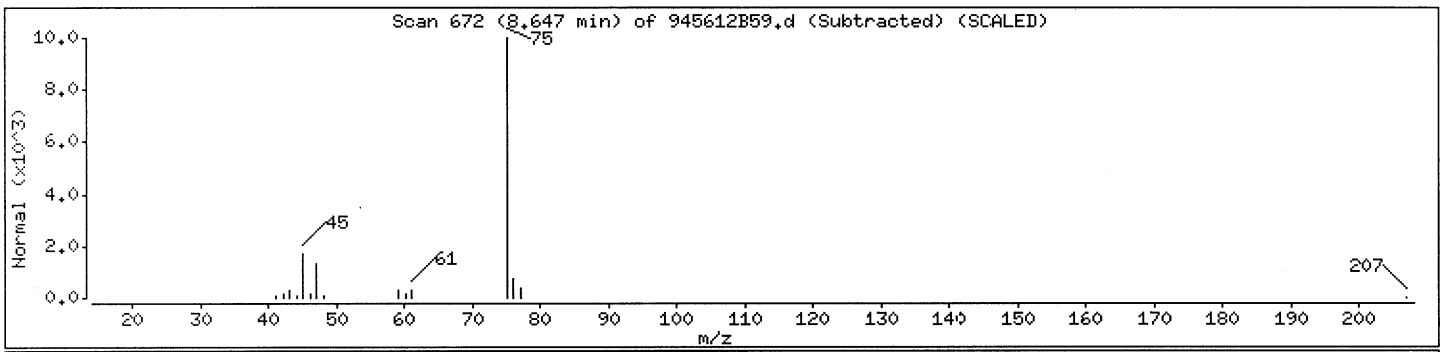
Client ID: ACSGWMW29-27 Instrument: 5972hp59.i

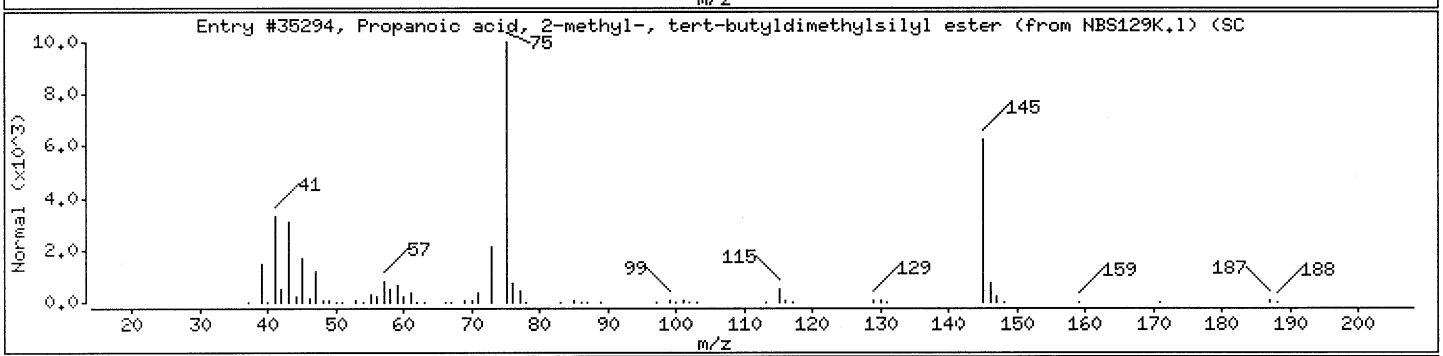
Sample Info: 945612:2481

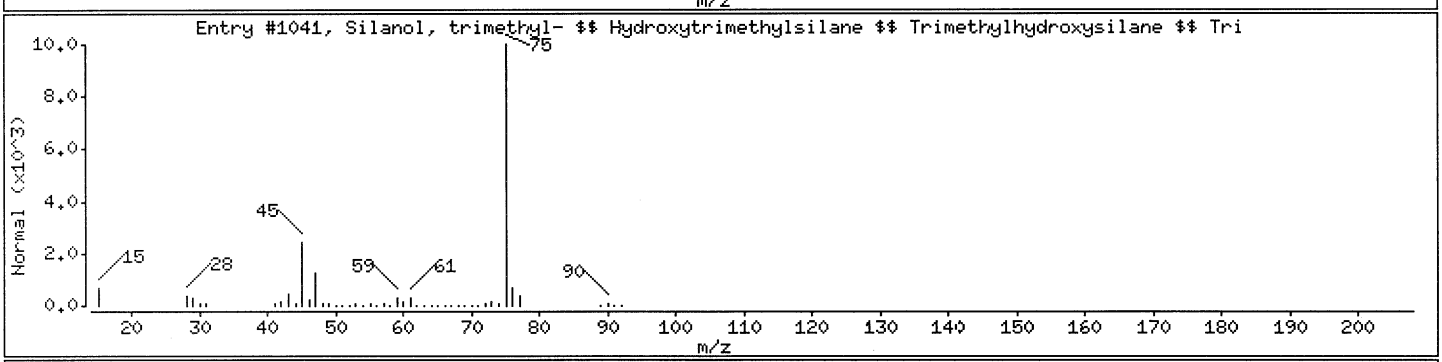
Purge Volume: 5.0 Operator: 2481

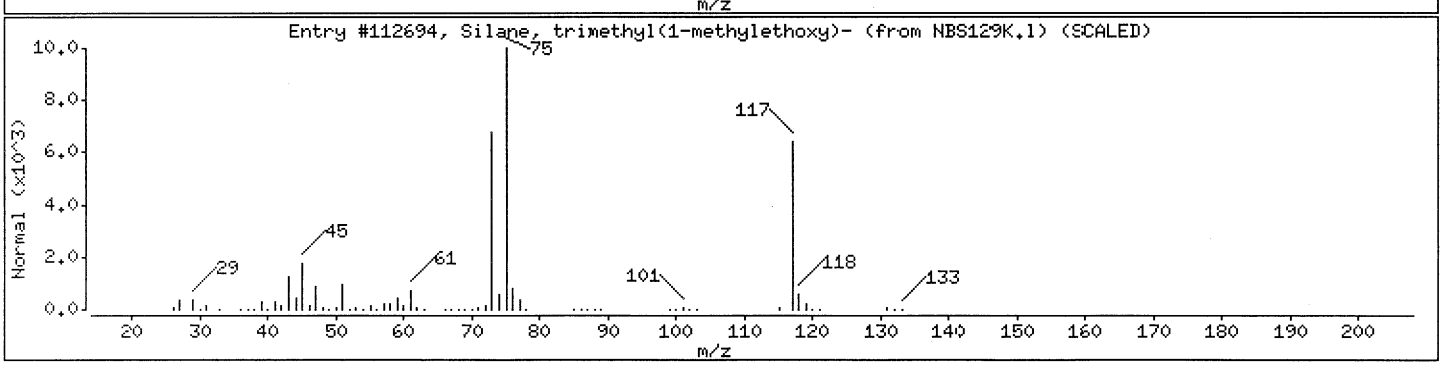
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-methyl-, tert-butyldim	0-00-0	NBS129K.l	35294	83	C10H22O2Si	202
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	78	C3H10OSi	90
Silane, trimethyl(1-methylethoxy)-	1825-64-5	NBS129K.l	112694	78	C6H16OSi	132









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	4.6	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	7.3	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

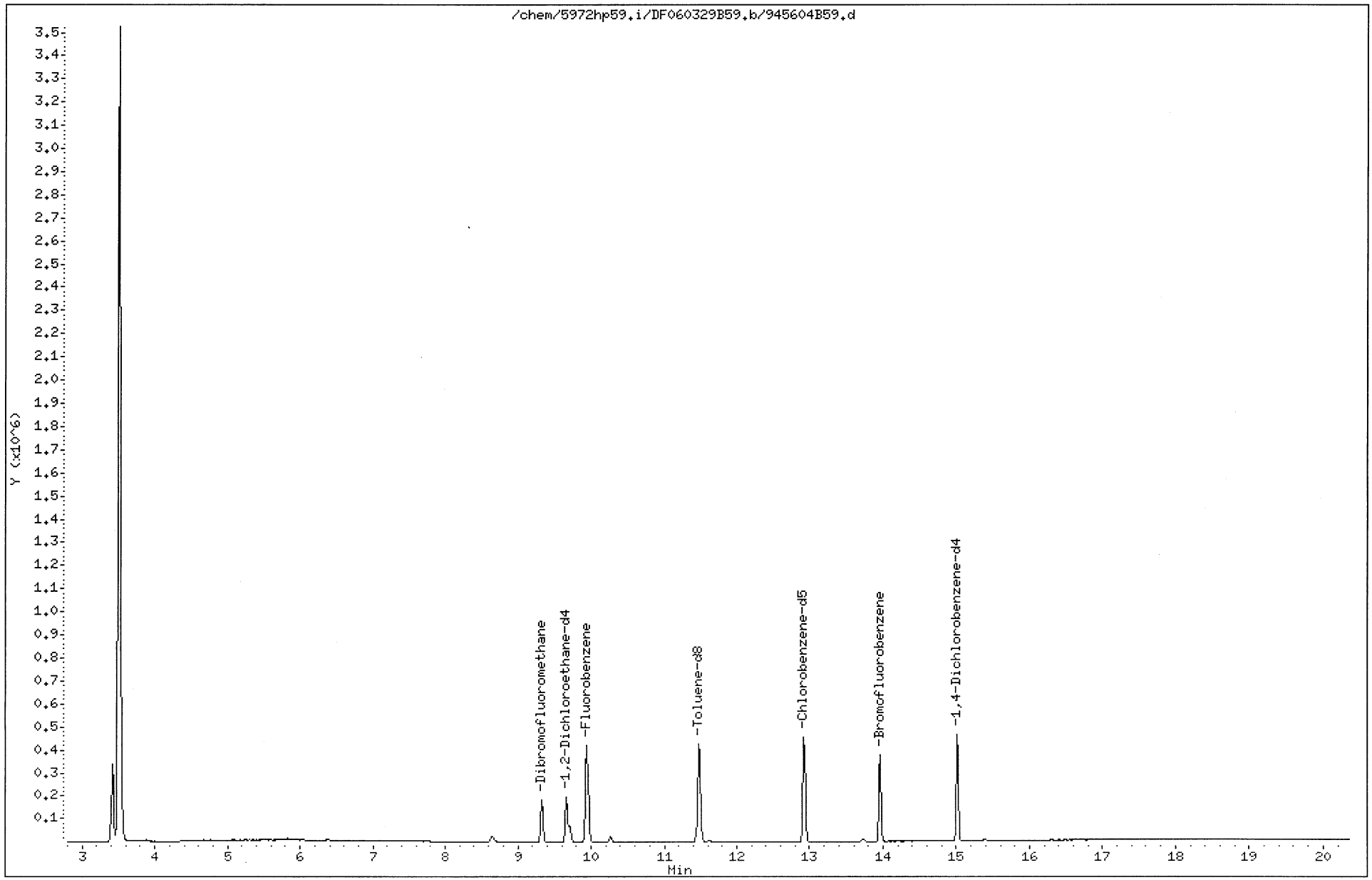
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d
Date : 30-MAR-2006 07:23
Client ID: ACSGWMW48-27 Instrument: 5972hp59.i
Sample Info: 945604:2481
Purge Volume: 5.0 Operator: 2481
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945604B59.d
Lab Smp Id: 945604 Client Smp ID: ACSGWMW48-27
Inj Date : 30-MAR-2006 07:23
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945604:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.942	9.955	(1.000)	466905	250.000	
* 2 Chlorobenzene-d5	117	12.925	12.938	(1.000)	296053	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.013	15.026	(1.000)	136801	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.335	(0.939)	131736	218.502	44
$ 5 1,2-Dichloroethane-d4	65	9.667	9.670	(0.972)	166317	263.292	53
$ 6 Toluene-d8	98	11.478	11.491	(0.888)	416302	234.565	47
$ 7 Bromofluorobenzene	95	13.959	13.962	(0.930)	171054	236.814	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.502	5.515	(0.553)	6584	23.1887	4.6(a)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d
Report Date: 30-Mar-2006 03:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.716	9.729	(0.977)	71735	36.5921	7.3
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d

Date : 30-MAR-2006 07:23

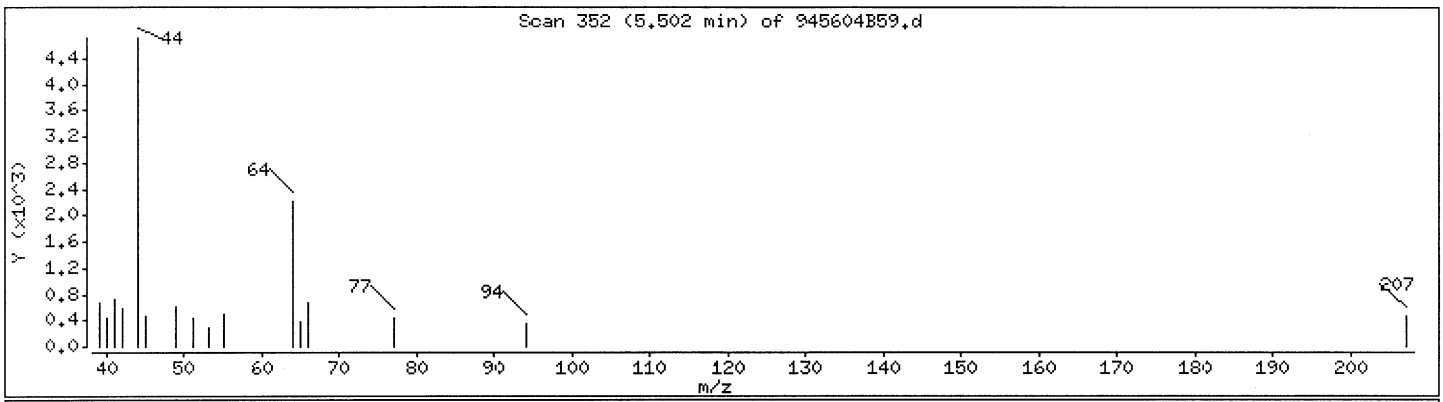
Client ID: ACSGWMW48-27 Instrument: 5972hp59.i

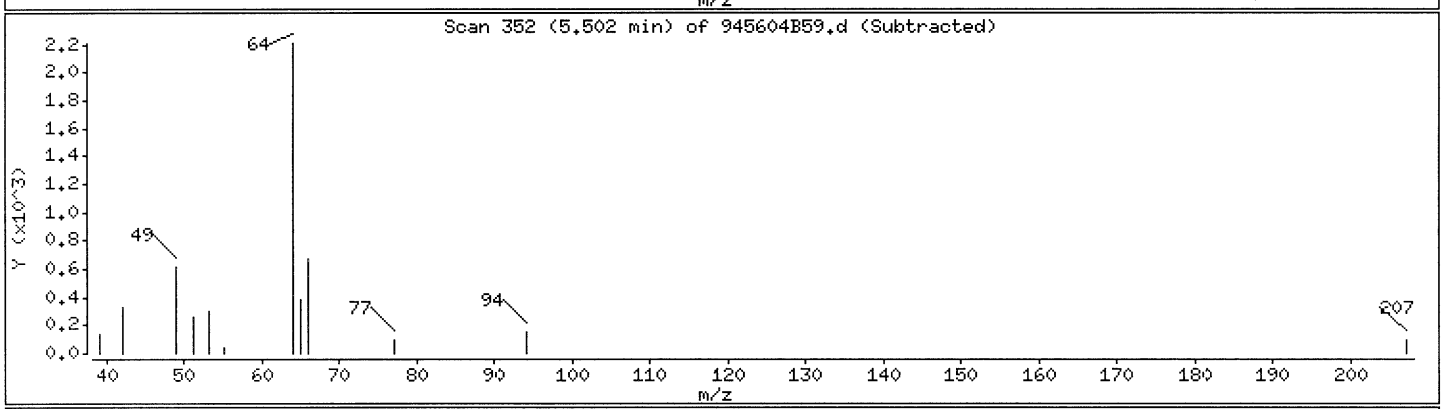
Sample Info: 945604:2481

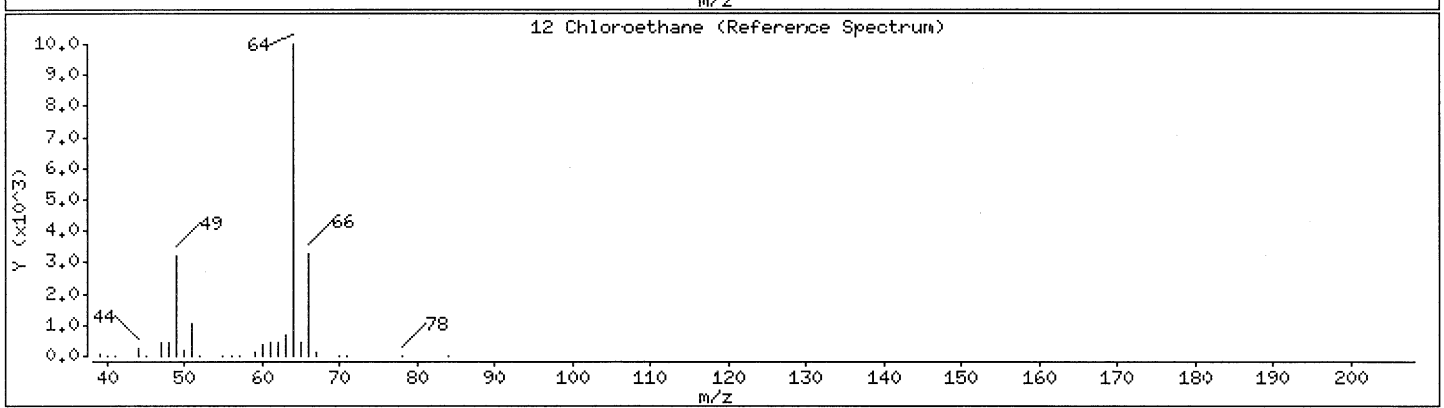
Purge Volume: 5.0 Operator: 2481

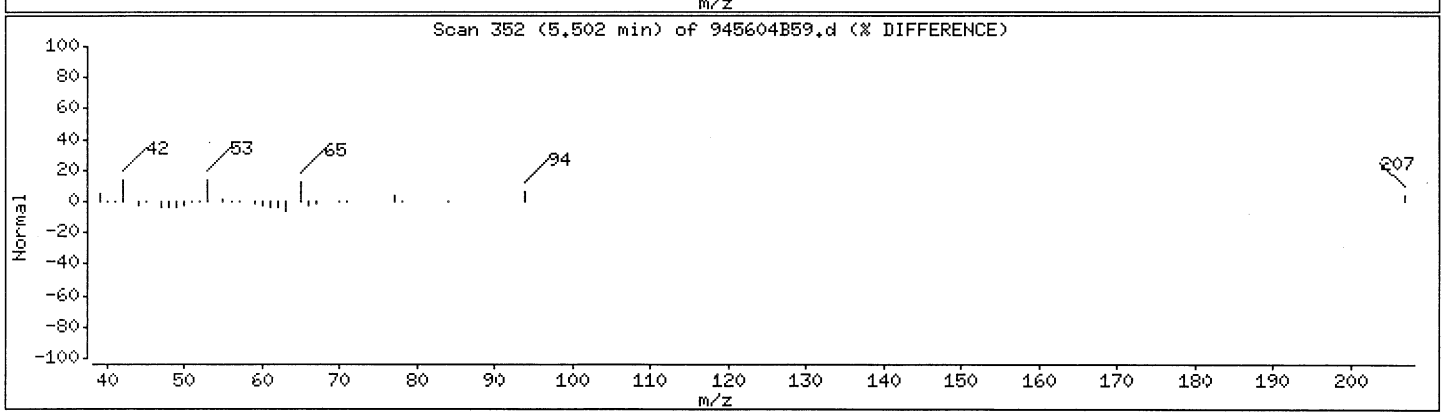
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 4.6 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d

Date : 30-MAR-2006 07:23

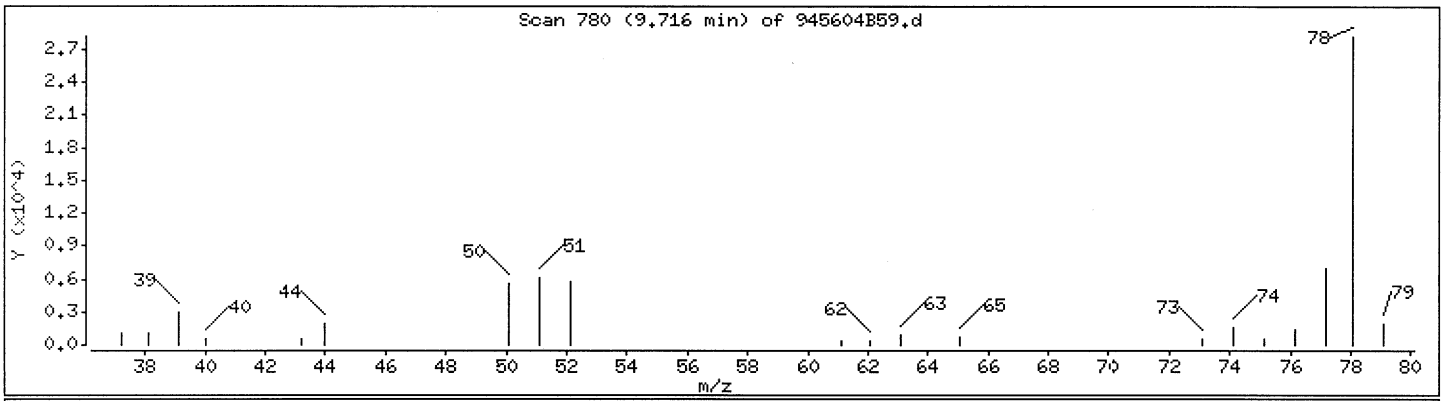
Client ID: ACSGWMW48-27 Instrument: 5972hp59.i

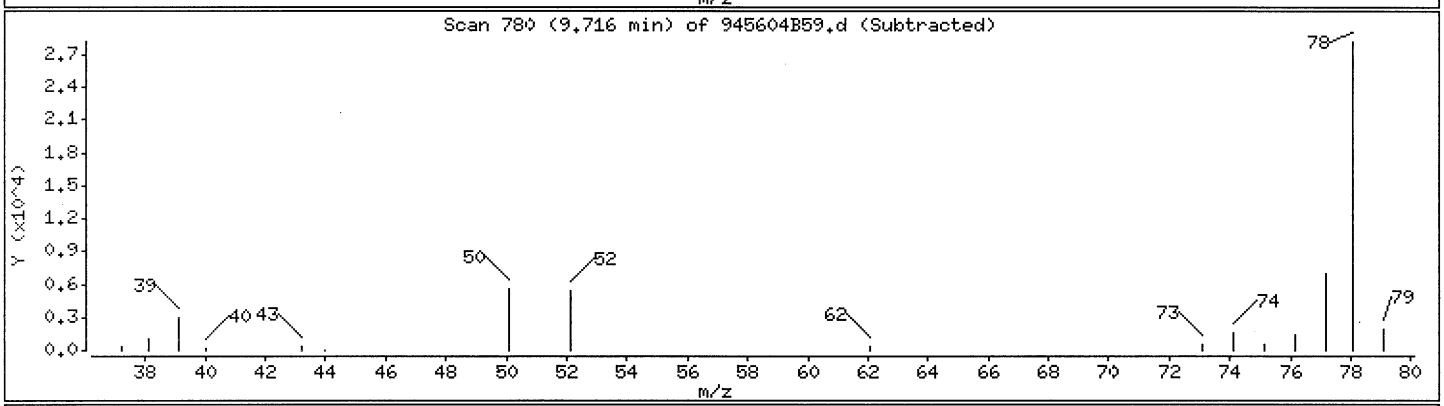
Sample Info: 945604:2481

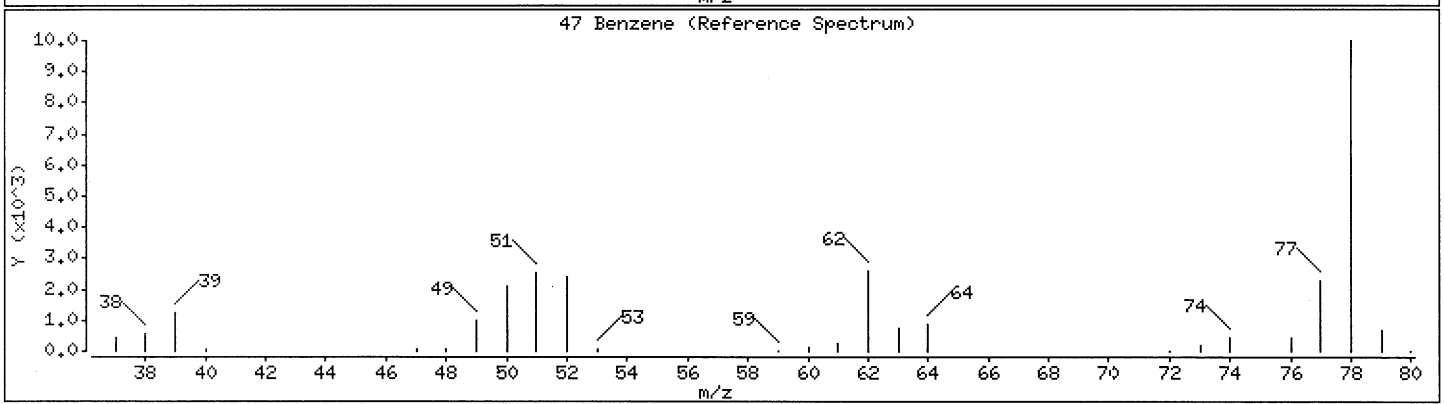
Purge Volume: 5.0 Operator: 2481

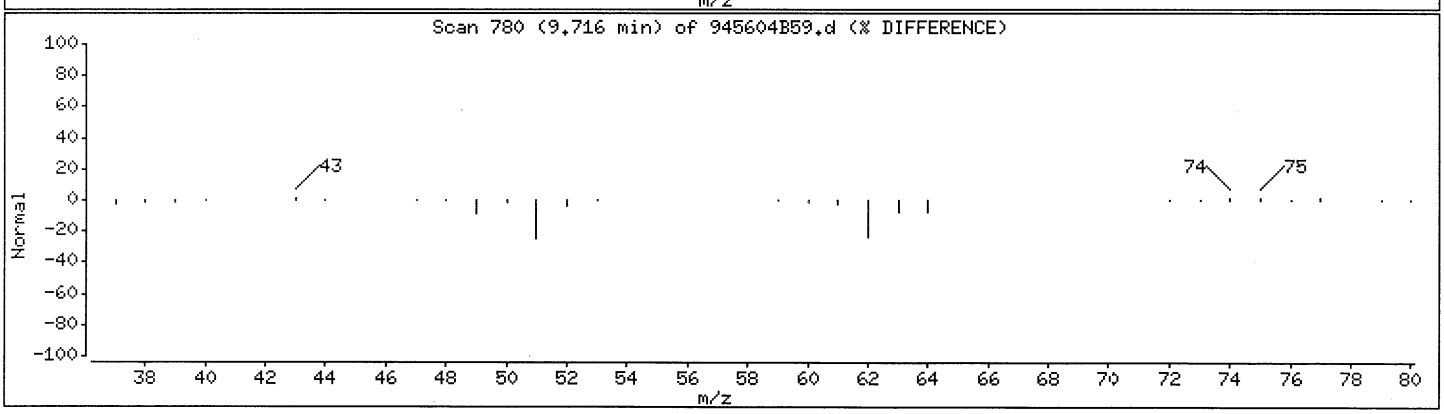
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 7.3 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945604B59.d
Report Date: 30-Mar-2006 03:49

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945604B59.d
Lab Smp Id: 945604 Client Smp ID: ACSGWMW48-27
Inj Date : 30-MAR-2006 07:23
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945604:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	3.3	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	86	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.8	J
2.		UNKNOWN	9.68	22	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d

Date : 30-MAR-2006 06:54

Client ID: ACSGWMW49-27

Instrument: 5972hp59.i

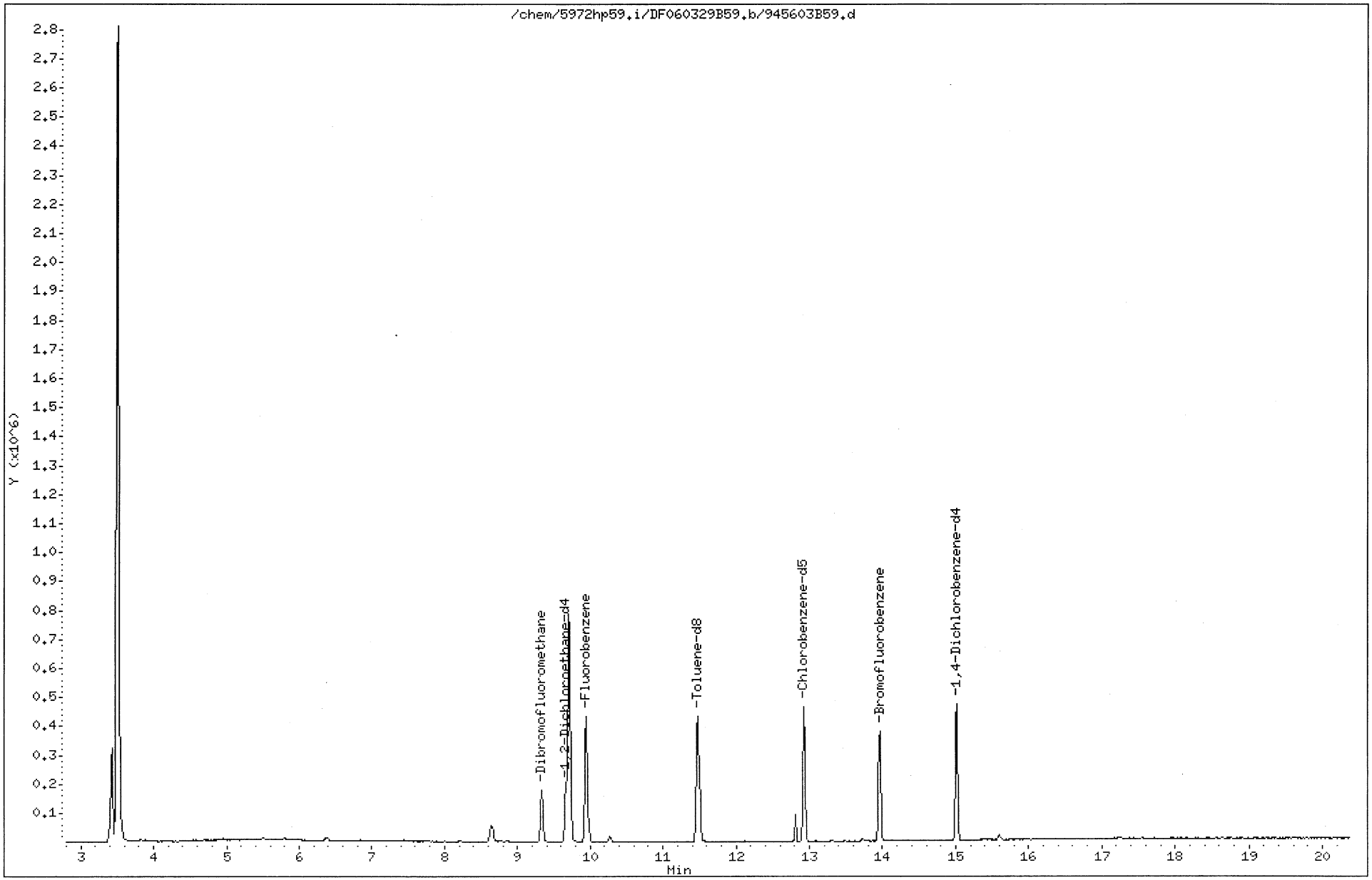
Sample Info: 945603:2481

Purge Volume: 5.0

Operator: 2481

Column phase: ZB-624

Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945603B59.d
Lab Smp Id: 945603 Client Smp ID: ACSGWMW49-27
Inj Date : 30-MAR-2006 06:54
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945603:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.947	9.955	(1.000)	478744	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	300318	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	140629	250.000	
$ 4 Dibromofluoromethane	113	9.327	9.335	(0.938)	134187	217.064	43
$ 5 1,2-Dichloroethane-d4	65	9.662	9.670	(0.971)	169602	261.853	52
$ 6 Toluene-d8	98	11.483	11.491	(0.888)	427327	237.358	47
$ 7 Bromofluorobenzene	95	13.964	13.962	(0.930)	176419	237.593	48
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	5.507	5.515	(0.554)	5280	16.5026	3.3(a)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d
Report Date: 30-Mar-2006 03:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	9.711	9.729	(0.976)	866754	431.198	86
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d

Date : 30-MAR-2006 06:54

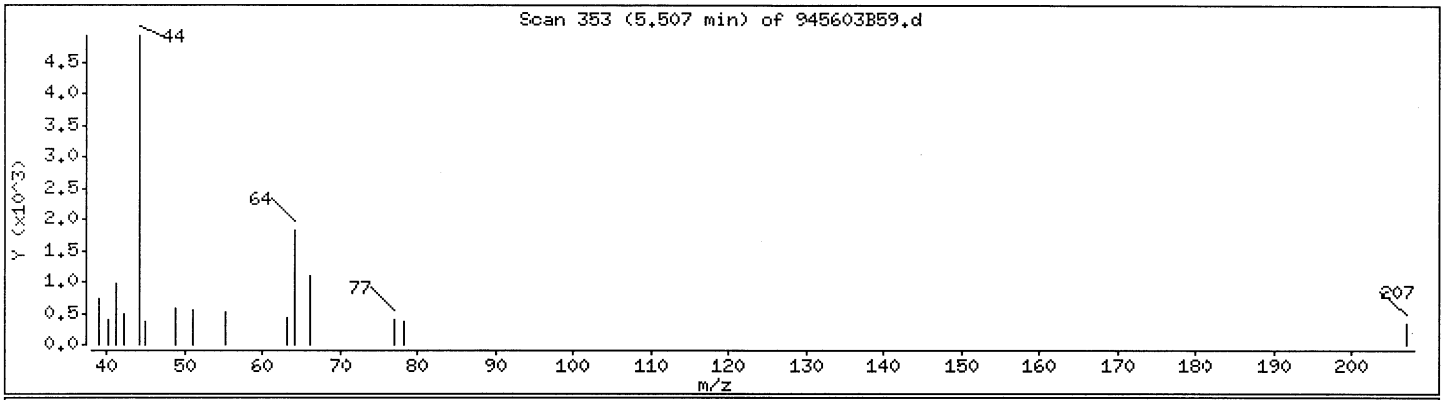
Client ID: ACSGWMW49-27 Instrument: 5972hp59.i

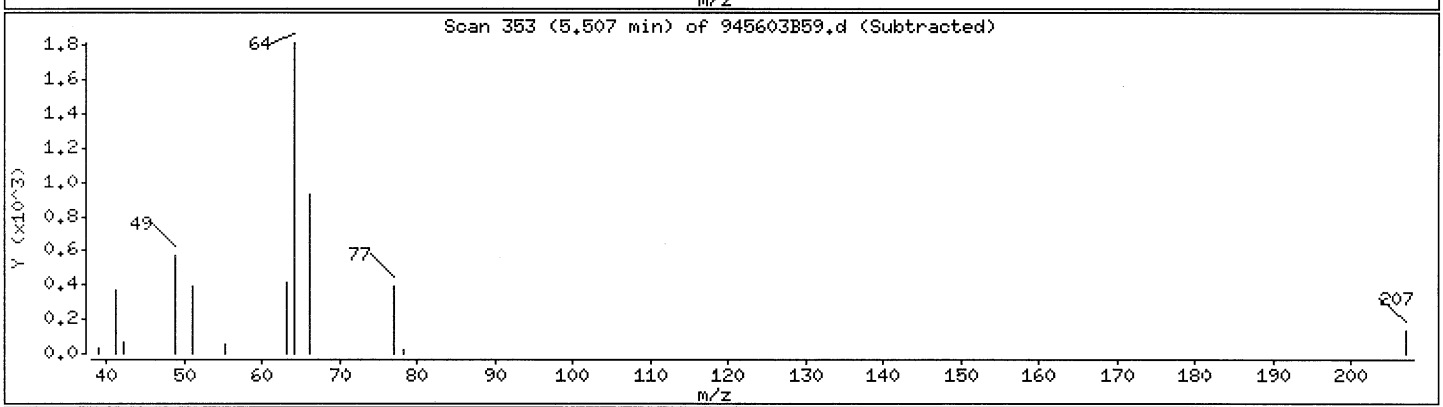
Sample Info: 945603:2481

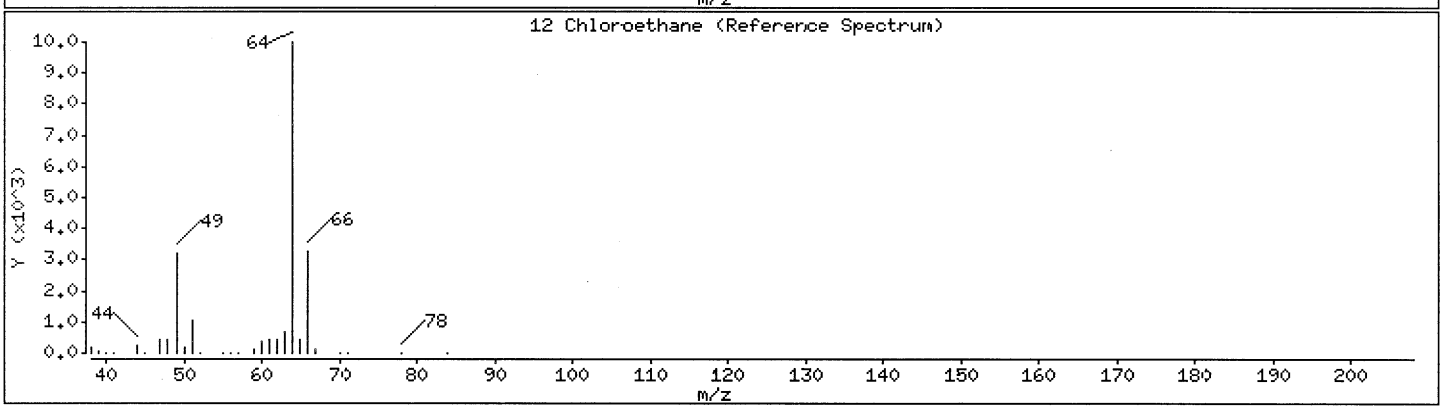
Purge Volume: 5.0 Operator: 2481

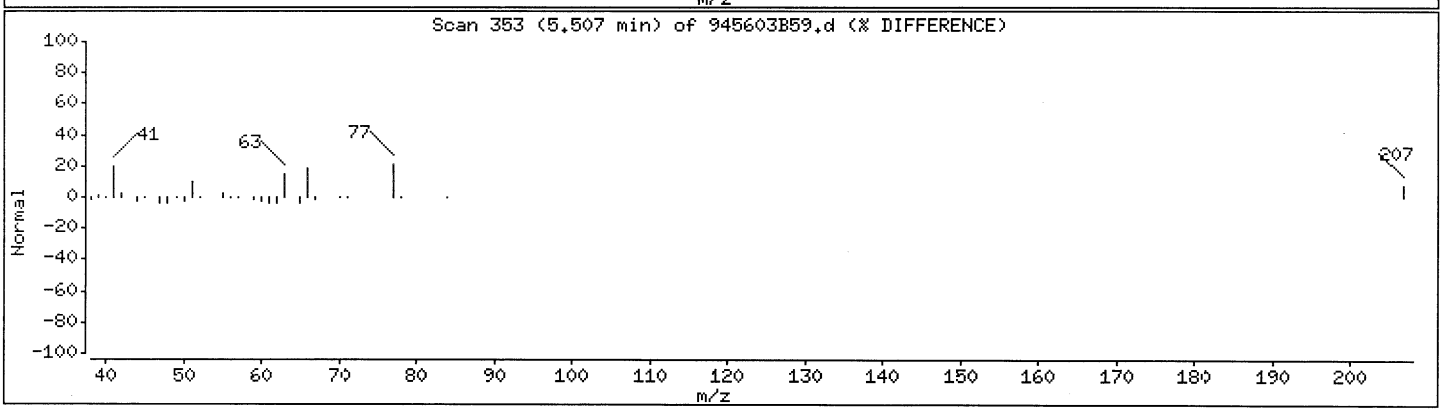
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 3.3 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d

Date : 30-MAR-2006 06:54

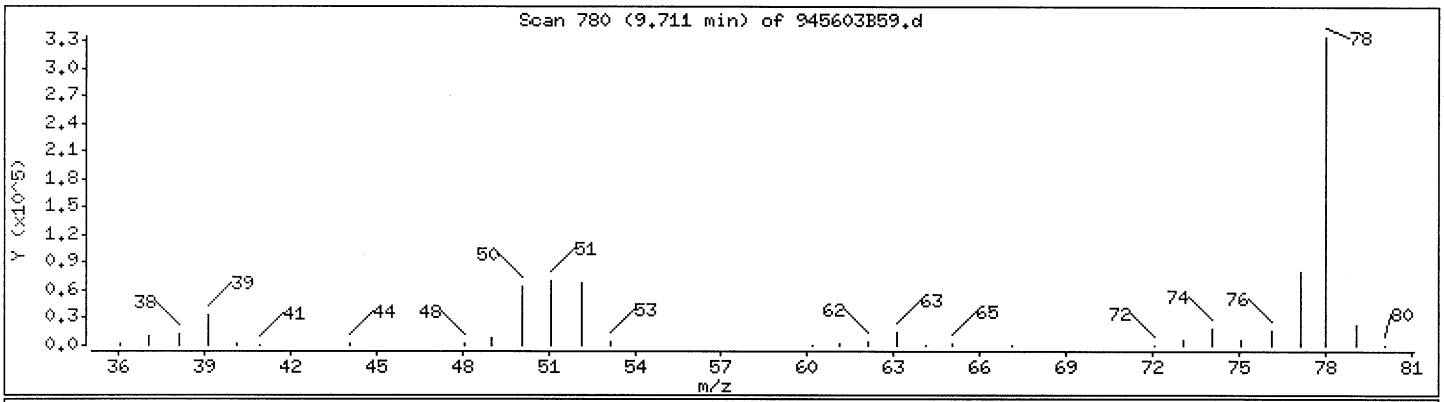
Client ID: ACSGWMW49-27 Instrument: 5972hp59.i

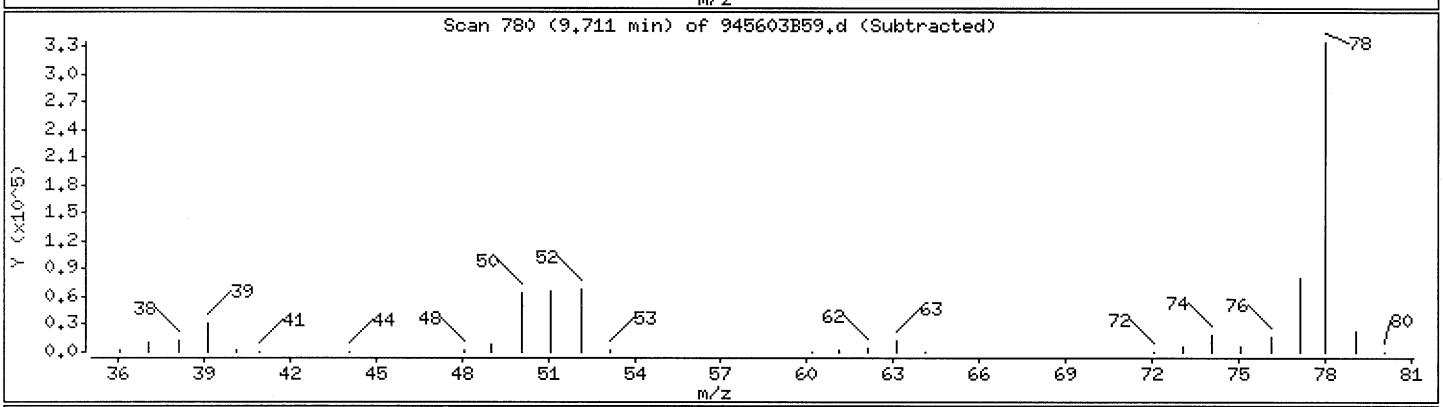
Sample Info: 945603:2481

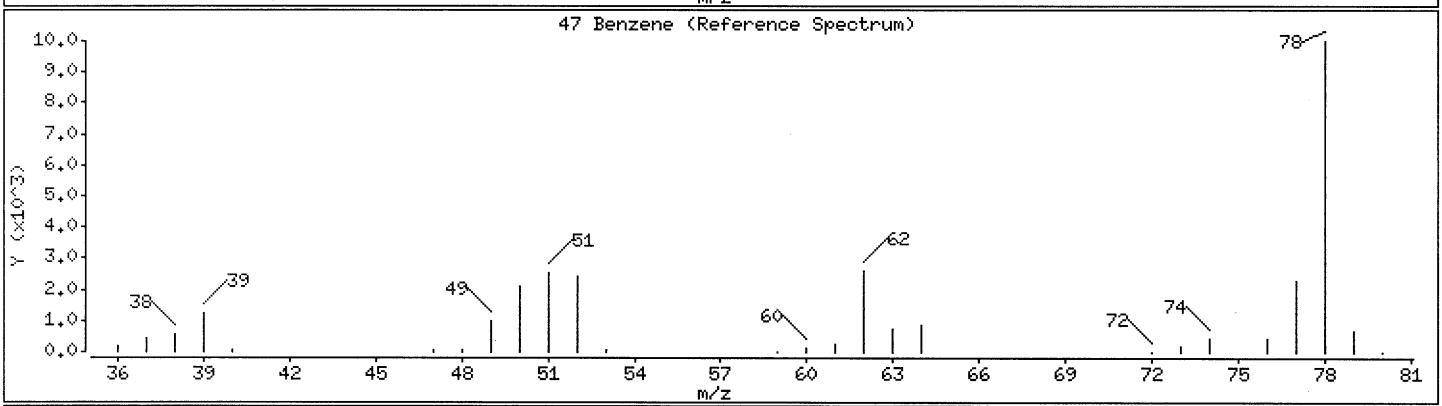
Purge Volume: 5.0 Operator: 2481

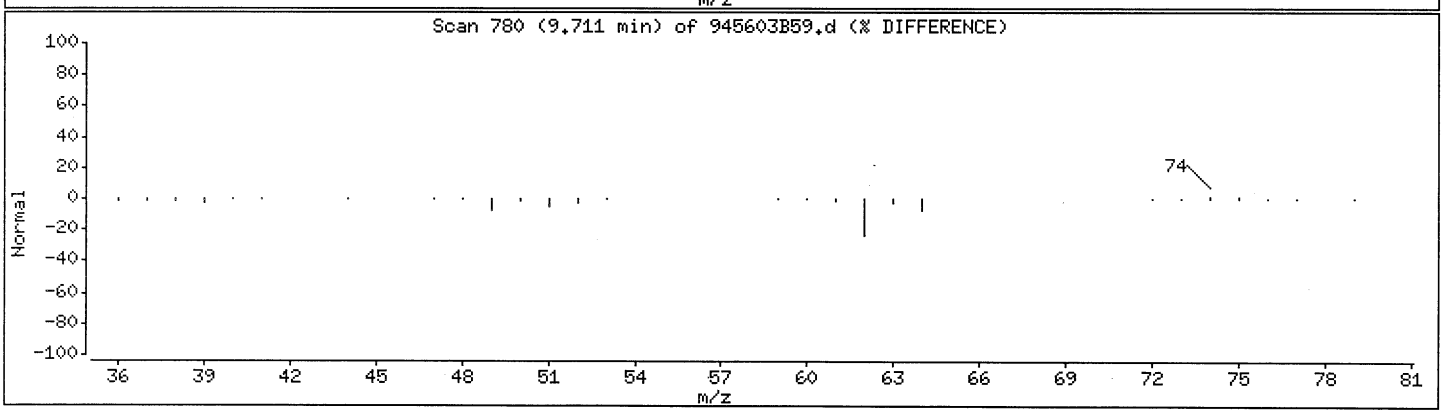
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 86 ug/L









Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945603B59.d
Lab Smp Id: 945603 Client Smp ID: ACSGWMW49-27
Inj Date : 30-MAR-2006 06:54
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945603:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.947	1101027	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.648	171525	38.9465449	7.8	0		0	1
Unknown				CAS #:			
9.681	487728	110.743818	22	0		0	1

Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d

Date : 30-MAR-2006 06:54

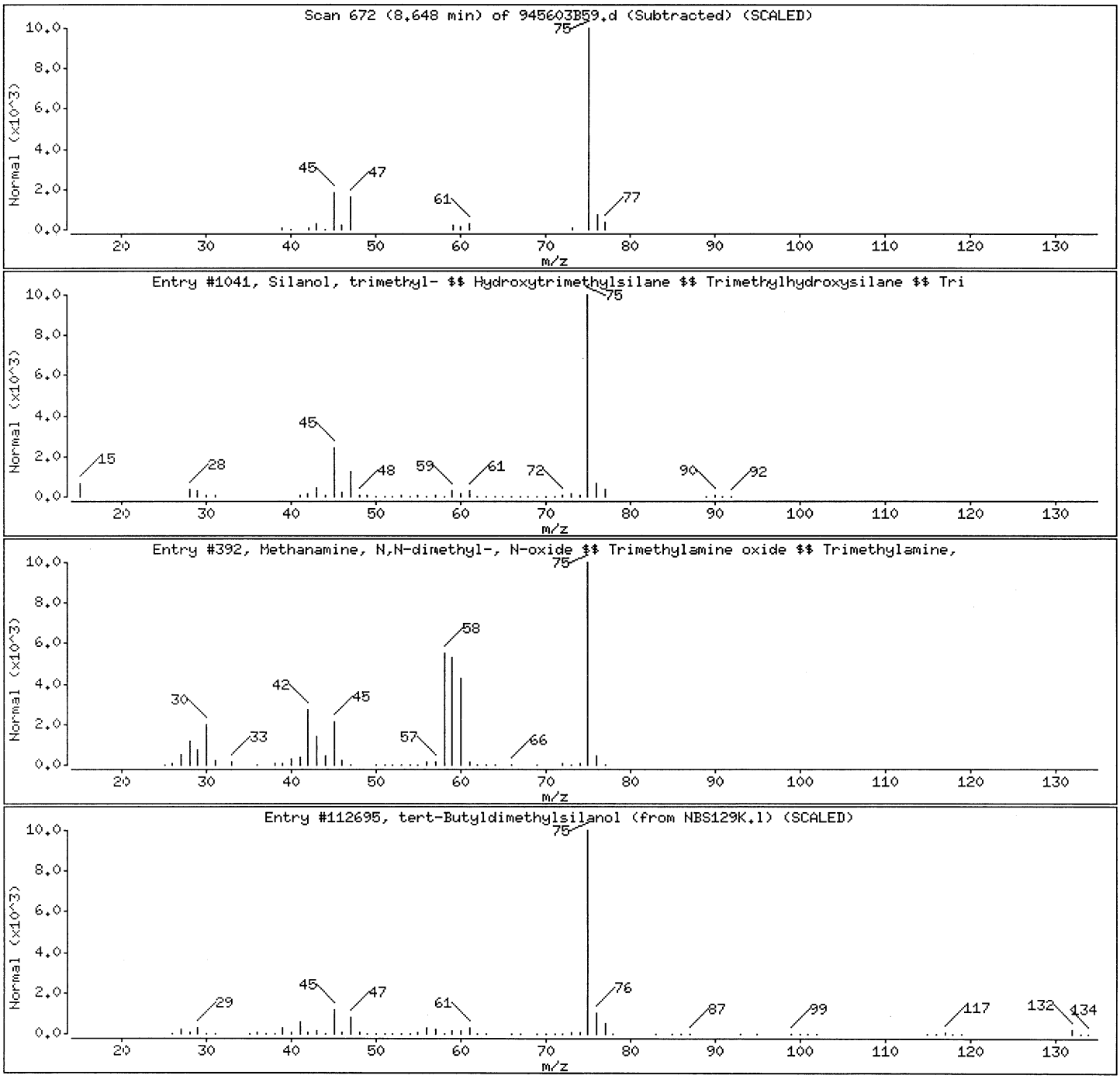
Client ID: ACSGWMW49-27 Instrument: 5972hp59.i

Sample Info: 945603:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	74	C3H10OSi	90
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	50	C3H9NO	75
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132



Data File: /chem/5972hp59.i/DF060329B59.b/945603B59.d

Date : 30-MAR-2006 06:54

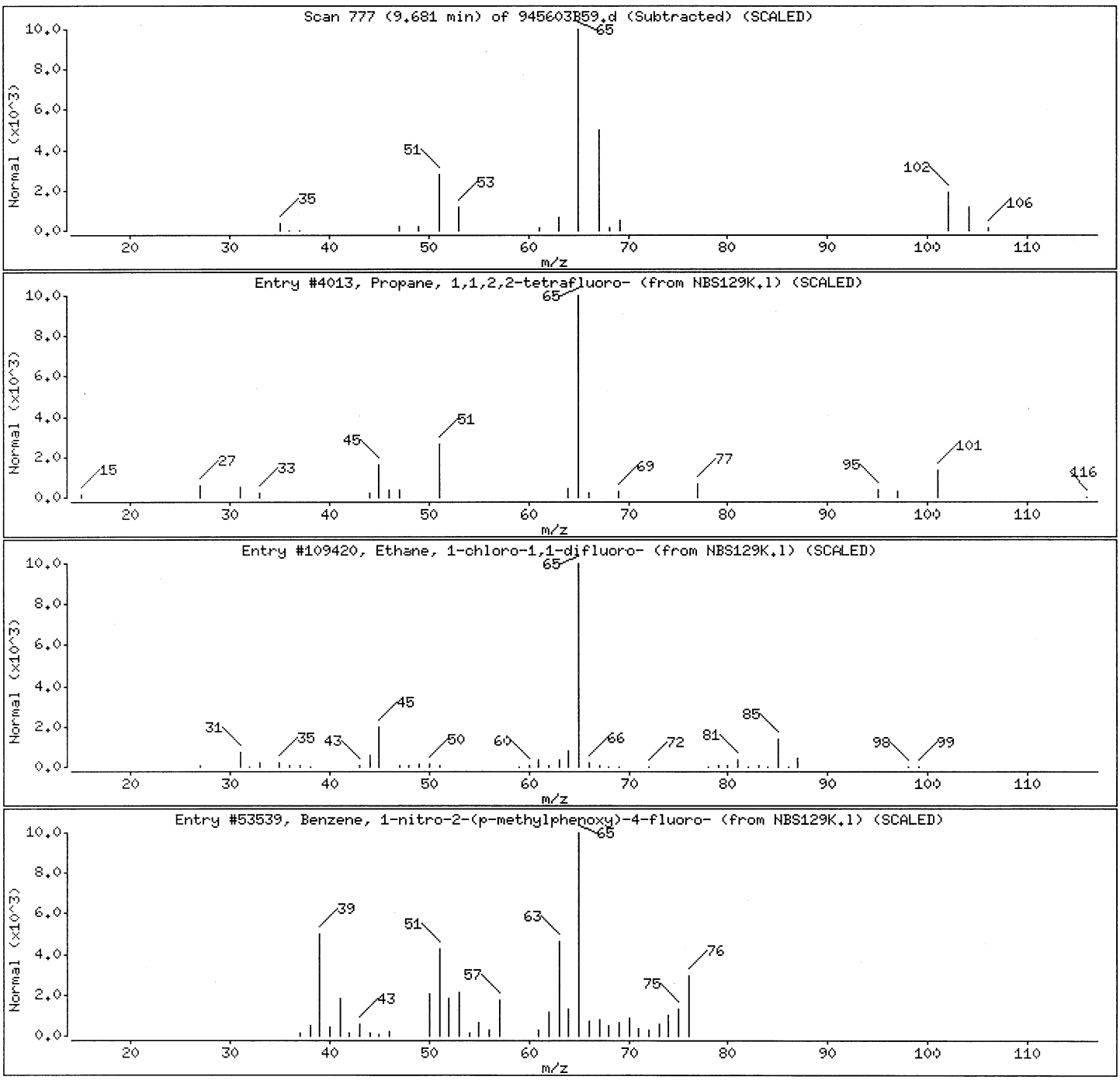
Client ID: ACSGWMW49-27 Instrument: 5972hp59.i

Sample Info: 945603:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane, 1,1,2,2-tetrafluoro-	40723-63-5	NBS129K.l	4013	2	C3H4F4	116
Ethane, 1-chloro-1,1-difluoro-	75-68-3	NBS129K.l	109420	2	C2H3ClF2	100
Benzene, 1-nitro-2-(p-methylphenoxy)-4-f	0-00-0	NBS129K.l	53539	2	C13H10FNO3	247



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/945601B59.d

Date : 30-MAR-2006 05:57

Client ID: ACSGWTB05-27

Instrument: 5972hp59.i

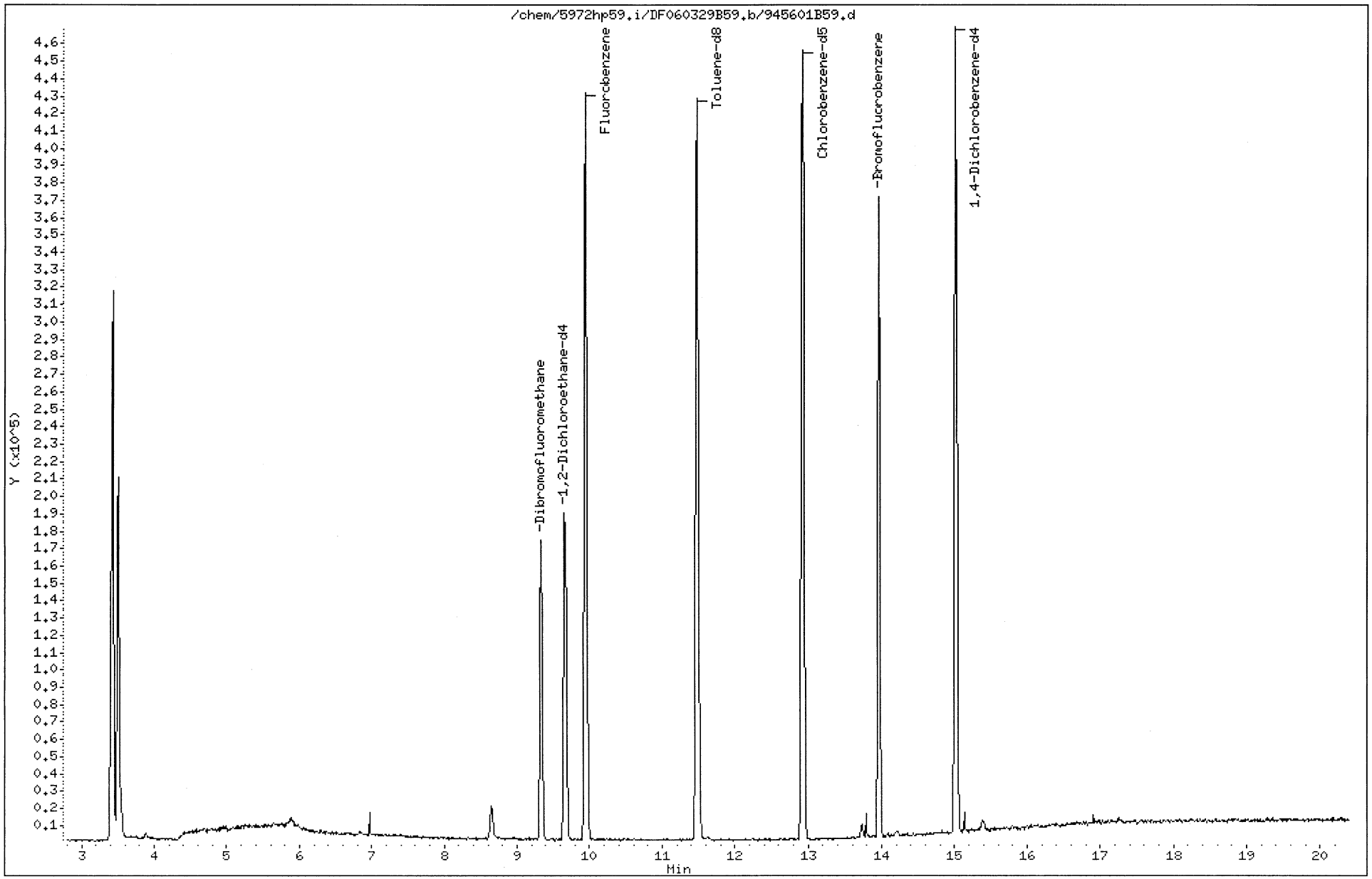
Sample Info: 945601:2481

Purge Volume: 5.0

Operator: 2481

Column phase: ZB-624

Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/945601B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945601B59.d
Lab Smp Id: 945601 Client Smp ID: ACSGWTB05-27
Inj Date : 30-MAR-2006 05:57
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945601:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1	Fluorobenzene	96	9.948	9.955	(1.000)	463309	250.000	
* 2	Chlorobenzene-d5	117	12.931	12.938	(1.000)	297694	250.000	
* 3	1,4-Dichlorobenzene-d4	152	15.019	15.026	(1.000)	137978	250.000	
$ 4	Dibromofluoromethane	113	9.328	9.335	(0.938)	129627	216.673	43
$ 5	1,2-Dichloroethane-d4	65	9.663	9.670	(0.971)	165514	264.054	53
$ 6	Toluene-d8	98	11.484	11.491	(0.888)	417781	234.101	47
$ 7	Bromofluorobenzene	95	13.965	13.962	(0.930)	171734	235.727	47
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	1,1-Dichloroethene	96	Compound Not Detected.					
17	Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945601B59.d
Report Date: 30-Mar-2006 03:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/945601B59.d
Report Date: 30-Mar-2006 03:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/945601B59.d
Lab Smp Id: 945601 Client Smp ID: ACSGWTB05-27
Inj Date : 30-MAR-2006 05:57
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 945601:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

3. Standards Data

a. Initial Calibration Data (Form VI VOA)

b. Continuing Calibration Data (Form VII VOA)

a. Initial Calibration Data
(Form VI VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Reconstructed Ion Chromatograms and quantitation reports for the initial (five-point) calibration. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.43526	0.43504	0.43732	0.41961	0.41316	0.42501
Chloromethane	0.31995	0.30668	0.30710	0.29495	0.29988	0.31290
Vinyl Chloride	0.22453	0.21917	0.22722	0.21539	0.22219	0.21377
Bromomethane	17107	21472	40600	93440	195649	355410
Chloroethane	11512	11726	21649	52194	111692	198988
Trichlorofluoromethane	0.46506	0.46524	0.47507	0.45294	0.43769	0.44728
1,1-Dichloroethene	0.28997	0.27148	0.26907	0.24871	0.25159	0.24322
Carbon disulfide	0.97086	0.94580	0.95472	0.91427	0.94489	0.90922
1,1,2-trichloro-1,2,2-triflu	0.25761	0.29204	0.30760	0.29050	0.28973	0.28787
Acetone	12233	16566	30009	66711	142391	269912
Methylene Chloride	0.31665	0.30419	0.30234	0.29119	0.28987	0.27926
trans-1,2-Dichloroethene	0.31239	0.31187	0.30862	0.29070	0.29565	0.27540
Methyl-tert-butyl ether	0.72173	0.65365	0.66651	0.67336	0.66541	0.65819
1,1-Dichloroethane	0.54539	0.53088	0.54801	0.52396	0.53176	0.51136
cis-1,2-Dichloroethene	0.33116	0.32635	0.32436	0.31320	0.30841	0.29331
2-butanone	0.10761	0.09049	0.08900	0.08876	0.09161	0.08710
Chloroform	0.53412	0.52630	0.53431	0.53359	0.52163	0.50600
1,1,1-Trichloroethane	0.44049	0.43741	0.44962	0.44086	0.42583	0.42398
Carbon Tetrachloride	0.32363	0.34191	0.36591	0.34593	0.34008	0.33513
Benzene	1.10975	1.05374	1.07435	1.04219	1.01560	1.00243
1,2-Dichloroethane	0.37648	0.37087	0.38384	0.37972	0.36879	0.36686
Trichloroethene	0.26937	0.28344	0.27982	0.26781	0.26523	0.26389
1,2-Dichloropropane	0.27272	0.28481	0.28307	0.27981	0.26986	0.26244
Bromodichloromethane	0.36842	0.36724	0.37960	0.37204	0.36789	0.37219
cis-1,3-Dichloropropene	0.44031	0.44567	0.45606	0.44733	0.44764	0.44615
4-Methyl-2-pentanone	0.31568	0.26972	0.28208	0.29168	0.31506	0.30075
Toluene	0.95122	0.98063	0.99174	0.98608	0.96903	0.94027
trans-1,3-Dichloropropene	0.57689	0.58150	0.60952	0.60233	0.59368	0.58600
1,1,2-Trichloroethane	0.32139	0.32236	0.32161	0.31956	0.32253	0.30967
Tetrachloroethene	0.23302	0.26438	0.29216	0.28041	0.28220	0.27624
2-hexanone	0.22209	0.18868	0.20190	0.20741	0.21823	0.20966
Dibromochloromethane	0.35934	0.34652	0.36193	0.37473	0.37864	0.37287
1,2-Dibromoethane	0.36089	0.35985	0.36190	0.35492	0.35785	0.35318
Chlorobenzene	0.97308	1.03579	1.08081	1.03528	1.02084	0.98763
Ethylbenzene	0.43358	0.48333	0.52212	0.50547	0.51393	0.48842
Styrene	0.95256	1.04556	1.11589	1.12045	1.11604	1.06056
Bromoform	0.23132	0.22971	0.24228	0.24263	0.24806	0.25105
Isopropyl Benzene	1.16847	1.34111	1.52447	1.45964	1.51846	1.55037
1,1,2,2-Tetrachloroethane	0.95913	0.92875	0.95449	0.91739	0.89027	0.84121
1,3-Dichlorobenzene	1.22827	1.35965	1.50405	1.46944	1.52167	1.56368
1,4-Dichlorobenzene	1.28412	1.38256	1.56631	1.51000	1.53386	1.56086
1,2-Dichlorobenzene	1.16820	1.25621	1.39326	1.34884	1.37812	1.41506
1,2-Dibromo-3-Chloropropane	0.13454	0.13010	0.14540	0.14813	0.15759	0.16789
1,2,4-Trichlorobenzene	0.72176	0.81103	0.90251	0.89416	0.93479	1.02925

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

LAB FILE ID: RF5: GS060324A59 RF10: GT060324A59 RF20: GU060324A59
RF50: GV060324A59 RF100: GY060324A59RF200: GX060324A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.53784	0.59977	0.64923	0.63098	0.63322	0.59467
Methyl acetate	0.17548	0.15087	0.15268	0.14918	0.15652	0.14616
Cyclohexane	0.27355	0.32707	0.36301	0.35406	0.36728	0.38101
Methylcyclohexane	0.22514	0.26194	0.31066	0.28773	0.30217	0.33640
Dibromofluoromethane		0.37853	0.34360	0.30400	0.30501	0.28296
1,2-Dichloroethane-d4		0.40112	0.36073	0.31525	0.31505	0.29900
Toluene-d8		1.75793	1.58056	1.40453	1.41002	1.34048
Bromofluorobenzene		1.52323	1.37957	1.23588	1.24110	1.22026

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG		0.42756651		2.309	15.000
Chloromethane	AVRG		0.30690973		2.908	15.000
Vinyl Chloride	AVRG		0.22038065		2.378	30.000
Bromomethane	2ORDR	-0.0367530	4.99537271	0.69629962	0.9997325	0.9900000
Chloroethane	2ORDR	-0.0295444	8.63250215	2.86220882	0.9990502	0.9900000
Trichlorofluoromethane	AVRG		0.45721451		3.004	15.000
1,1-Dichloroethene	AVRG		0.26234071		6.731	30.000
Carbon disulfide	AVRG		0.93996192		2.534	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG		0.28755881		5.676	15.000
Acetone	2ORDR	-0.1422354	18.2981725	-0.1453290	0.9998151	0.9900000
Methylene Chloride	AVRG		0.29725024		4.426	15.000
trans-1,2-Dichloroethene	AVRG		0.29910581		4.901	15.000
Methyl-tert-butyl ether	AVRG		0.67314271		3.680	15.000
1,1-Dichloroethane	AVRG		0.53189399		2.560	15.000
cis-1,2-Dichloroethene	AVRG		0.31613324		4.445	15.000
2-butanone	AVRG		0.09242852		8.219	15.000
Chloroform	AVRG		0.52599241		2.102	30.000
1,1,1-Trichloroethane	AVRG		0.43636454		2.241	15.000
Carbon Tetrachloride	AVRG		0.34209913		4.083	15.000
Benzene	AVRG		1.04967698		3.734	15.000
1,2-Dichloroethane	AVRG		0.37442876		1.781	15.000
Trichloroethene	AVRG		0.27159297		2.978	15.000
1,2-Dichloropropane	AVRG		0.27545369		3.135	30.000
Bromodichloromethane	AVRG		0.37122891		1.243	15.000
cis-1,3-Dichloropropene	AVRG		0.44719291		1.139	15.000
4-Methyl-2-pentanone	AVRG		0.29582930		6.189	15.000
Toluene	AVRG		0.96983100		2.104	30.000
trans-1,3-Dichloropropene	AVRG		0.59165302		2.125	15.000
1,1,2-Trichloroethane	AVRG		0.31952046		1.547	15.000
Tetrachloroethene	AVRG		0.27140209		7.684	15.000
2-hexanone	AVRG		0.20799714		5.757	15.000
Dibromochloromethane	AVRG		0.36567205		3.288	15.000
1,2-Dibromoethane	AVRG		0.35810005		0.964	15.000
Chlorobenzene	AVRG		1.02223953		3.763	15.000
Ethylbenzene	AVRG		0.49114245		6.481	30.000
Styrene	AVRG		1.06851076		6.099	15.000
Bromoform	AVRG		0.24084027		3.601	15.000
Isopropyl Benzene	AVRG		1.42708890		10.316	15.000
1,1,2,2-Tetrachloroethane	AVRG		0.91520607		4.827	15.000
1,3-Dichlorobenzene	AVRG		1.44112771		8.679	15.000
1,4-Dichlorobenzene	AVRG		1.47295361		7.762	15.000
1,2-Dichlorobenzene	AVRG		1.32661470		7.188	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.14727638		9.568	15.000
1,2,4-Trichlorobenzene	AVRG		0.88225087		11.969	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

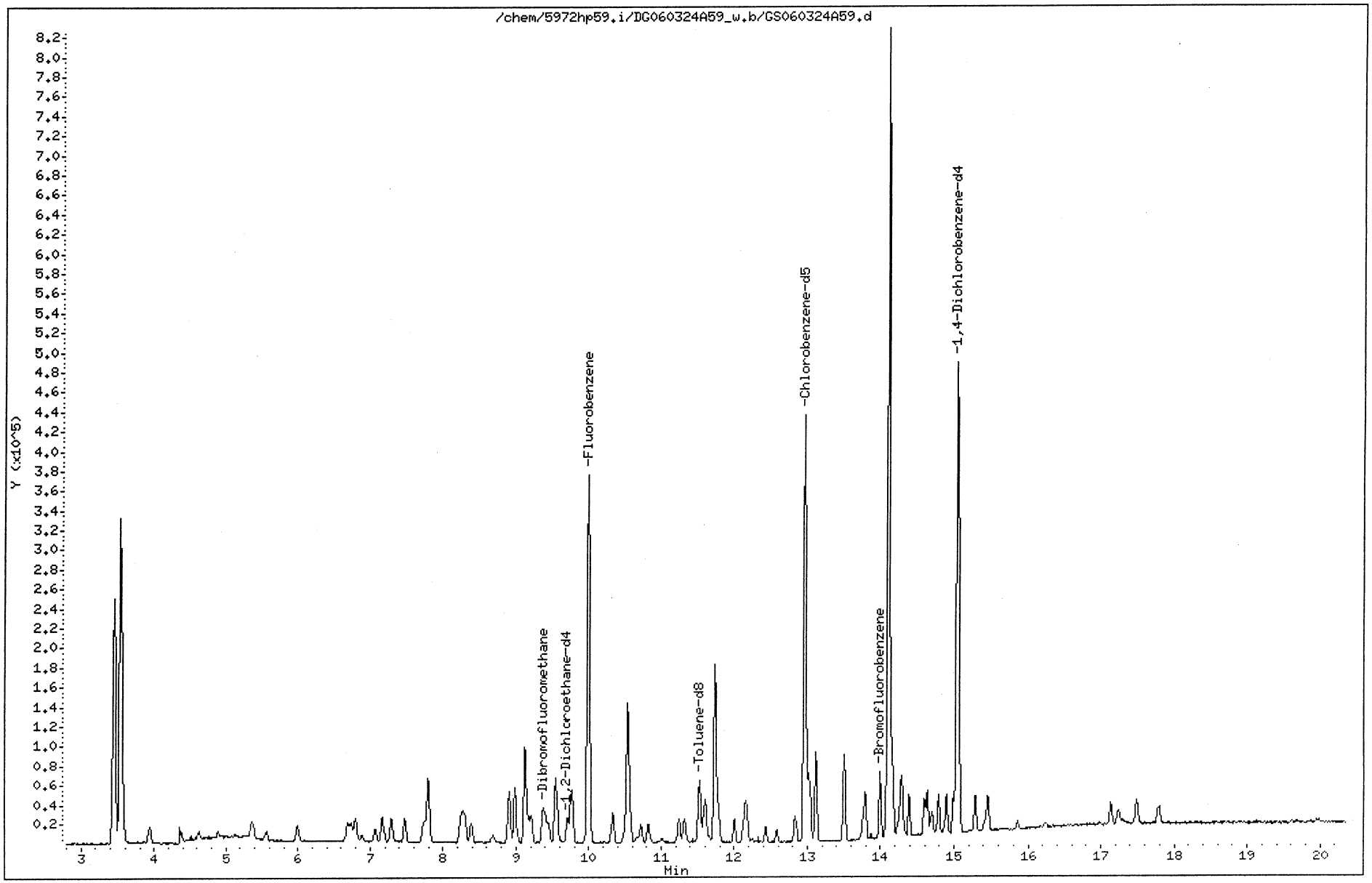
Instrument ID: 5972HP59 Calibration Date(s): 03/24/06 03/24/06

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1553 1840

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.60761677		6.596	15.000
Methyl acetate	AVRG		0.15514806		6.798	15.000
Cyclohexane	AVRG		0.34433244		11.340	15.000
Methylcyclohexane	AVRG		0.28733788		13.644	15.000
Dibromofluoromethane	AVRG		0.32281960		11.791	15.000
1,2-Dichloroethane-d4	AVRG		0.33822900		12.427	15.000
Toluene-d8	AVRG		1.49870425		11.346	15.000
Bromofluorobenzene	AVRG		1.32000965		9.885	15.000

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Date : 24-MAR-2006 15:53
Client ID: VSTD005
Sample Info: VSTD005;2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 24-MAR-2006 15:53
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD005:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 15:53 Cal File: GS060324A59.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.986	9.986	(1.000)	497608	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	336199	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	168131	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.938)	22697	25.0000	35
$ 5 1,2-Dichloroethane-d4	65	9.700	9.700	(0.971)	23676	25.0000	35
$ 6 Toluene-d8	98	11.522	11.522	(0.889)	68721	25.0000	34
$ 7 Bromofluorobenzene	95	13.993	13.993	(0.930)	32374	25.0000	36
8 Dichlorodifluoromethane	85	3.941	3.941	(0.395)	21659	25.0000	25
9 Chloromethane	50	4.374	4.374	(0.438)	15921	25.0000	26
10 Vinyl Chloride	62	4.620	4.620	(0.463)	11173	25.0000	25
11 Bromomethane	94	5.369	5.369	(0.538)	17107	25.0000	34
12 Chloroethane	64	5.556	5.556	(0.556)	11512	25.0000	43
13 Trichlorofluoromethane	101	5.989	5.989	(0.600)	23142	25.0000	25
14 Acrolein	56	6.678	6.678	(0.669)	18465	250.000	270
15 1,1-Dichloroethene	96	6.806	6.806	(0.682)	14429	25.0000	28

3/27/06

Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
16 1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	4843	25.0000	22	
17 Acetone	43	6.875	6.875	(0.688)	12233	62.5000	77	
18 Iodomethane	142	7.072	7.072	(0.708)	19555	25.0000	25	
19 1,1,2-trichloro-1,2,2-trifluo	101	6.757	6.757	(0.677)	12819	25.0000	22	
20 Carbon disulfide	76	7.170	7.170	(0.718)	48311	25.0000	26	
21 3-Chloropropene	76	7.288	7.288	(0.730)	7494	25.0000	26	
22 Acetonitrile	41	7.288	7.288	(0.730)	20285	25.0000	27	
23 Methyl acetate	43	7.279	7.279	(0.729)	8732	25.0000	28	
24 Methylene Chloride	84	7.475	7.475	(0.749)	15757	25.0000	27	
25 Acrylonitrile	53	7.790	7.790	(0.780)	40539	250.000	280	
26 trans-1,2-Dichloroethene	96	7.800	7.800	(0.781)	15545	25.0000	26	
27 trans-1,2-DCE (part of total)	96	7.800	7.800	(0.781)	15545	25.0000	26	
28 Methyl-tert-butyl ether	73	7.741	7.741	(0.775)	35914	25.0000	27	
29 1,1-Dichloroethane	63	8.302	8.302	(0.831)	27139	25.0000	26	
30 Chloroprene	53	8.381	8.381	(0.839)	19302	25.0000	25	
31 Vinyl acetate	43	8.283	8.283	(0.829)	41772	25.0000	26	
32 Isopropyl ether	45	8.243	8.243	(0.825)	41818	25.0000	25	
33 cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	16479	25.0000	26	
34 cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	16479	25.0000	26	
35 2,2-Dichloropropane	77	8.903	8.903	(0.892)	22139	25.0000	26	
36 Propionitrile	54	8.982	8.982	(0.899)	74265	1250.00	1400	
37 2-butanone	43	8.893	8.893	(0.891)	13387	62.5000	73	
38 Methacrylonitrile	41	9.120	9.120	(0.913)	64475	250.000	280	
39 Bromochloromethane	128	9.169	9.169	(0.918)	6912	25.0000	26	
40 Chloroform	83	9.208	9.208	(0.922)	26578	25.0000	25	
41 1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	21919	25.0000	25	
42 Cyclohexane	56	9.444	9.444	(0.946)	13612	25.0000	20	
43 1,1-dichloropropene	75	9.533	9.533	(0.955)	18555	25.0000	24	
44 Carbon Tetrachloride	117	9.553	9.553	(0.957)	16104	25.0000	24	
45 1,2-Dichloroethane	62	9.779	9.779	(0.979)	18734	25.0000	25	
46 Isobutyl alcohol	43	9.543	9.543	(0.956)	22804	1250.00	1400	
47 Benzene	78	9.759	9.759	(0.977)	55222	25.0000	26	
48 Trichloroethene	130	10.330	10.330	(1.034)	13404	25.0000	25	
49 Methylcyclohexane	83	10.508	10.508	(1.052)	11203	25.0000	20	
50 1,2-Dichloropropane	63	10.577	10.577	(1.059)	13571	25.0000	25	
51 Dibromomethane	174	10.724	10.724	(1.074)	8439	25.0000	27	
52 1,4-dioxane	88	10.665	10.665	(1.068)	5872	1250.00	1400	
53 Methylmethacrylate	69	10.537	10.537	(1.055)	80827	250.000	270	
54 Bromodichloromethane	83	10.833	10.833	(1.085)	18333	25.0000	25	
55 2-chloroethyl vinyl ether	63	11.020	11.020	(1.104)	2974	25.0000	25	(M)
56 cis-1,3-Dichloropropene	75	11.246	11.246	(1.126)	21910	25.0000	25	(
57 4-Methyl-2-pentanone	43	11.325	11.325	(0.874)	26533	62.5000	67	
58 Toluene	92	11.600	11.600	(0.895)	31980	25.0000	25	
59 trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	19395	25.0000	24	
60 1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	10805	25.0000	25	
61 Ethylmethacrylate	69	11.738	11.738	(0.906)	151204	250.000	270	
62 1,3-Dichloropropane	76	12.181	12.181	(0.940)	19276	25.0000	26	

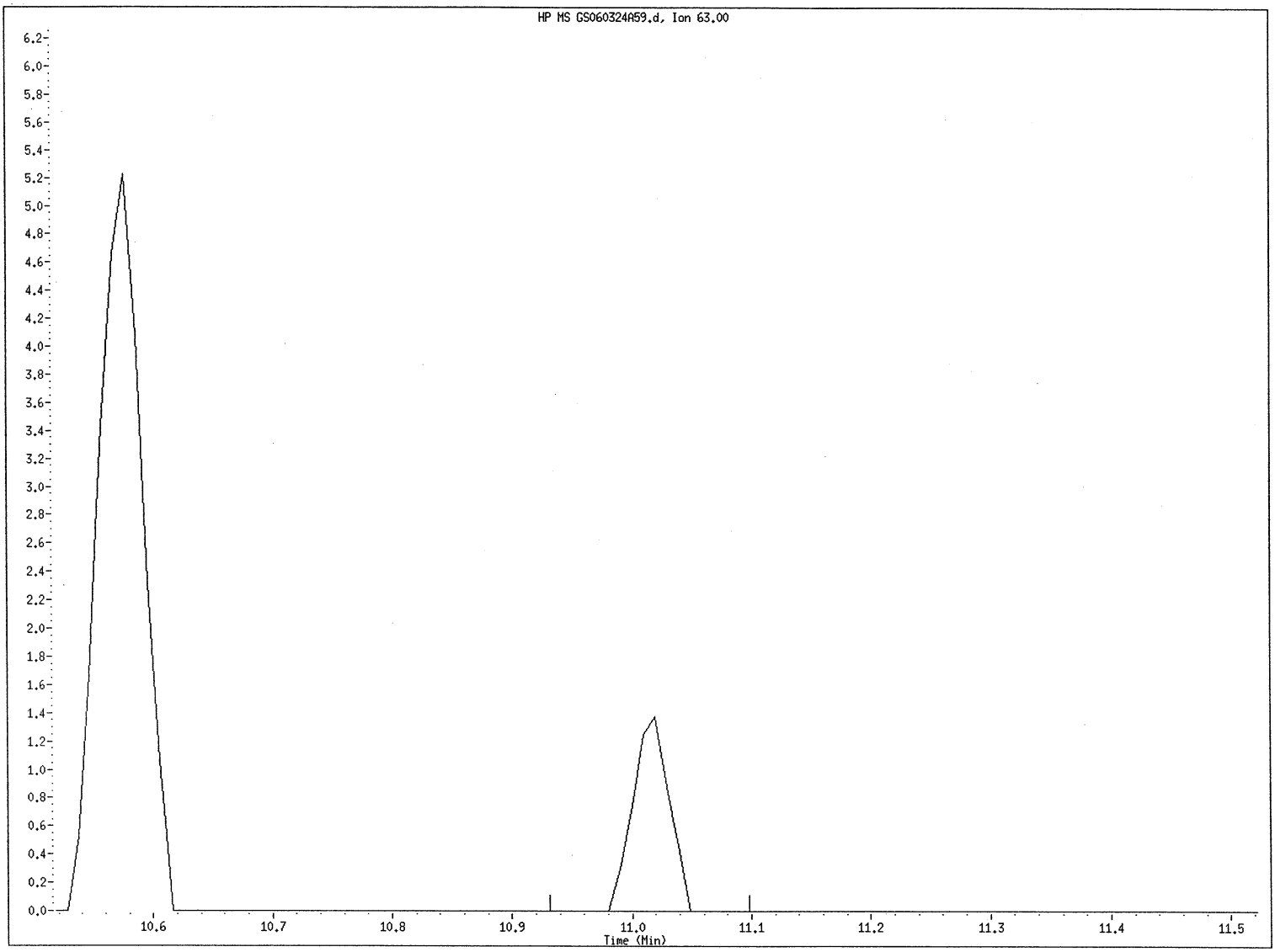
Data File: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Report Date: 27-Mar-2006 03:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	7834	25.0000	21
64	2-hexanone	43	12.142	12.142	(0.937)	18667	62.5000	67
65	Dibromochloromethane	129	12.437	12.437	(0.960)	12081	25.0000	25
66	1,2-Dibromoethane	107	12.585	12.585	(0.971)	12133	25.0000	25
67	Chlorobenzene	112	12.989	12.989	(1.002)	32715	25.0000	24
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	10939	25.0000	23
70	Ethylbenzene	106	13.018	13.018	(1.005)	14577	25.0000	22
71	m,p-Xylene	106	13.117	13.117	(1.012)	35761	50.0000	44
72	m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	35761	50.0000	44
73	o-Xylene	106	13.501	13.501	(1.042)	18485	25.0000	23
74	o-Xylene (part of total)	106	13.501	13.501	(1.042)	18485	25.0000	23
75	Styrene	104	13.510	13.510	(1.043)	32025	25.0000	22
76	Bromoform	173	13.776	13.776	(1.063)	7777	25.0000	24
78	Isopropyl Benzene	105	13.796	13.796	(1.065)	39284	25.0000	20
79	1,1,2,2-Tetrachloroethane	83	14.081	14.081	(0.936)	16126	25.0000	26
80	1,2,3-Trichloropropane	110	14.150	14.150	(1.092)	4195	25.0000	27
81	Bromobenzene	156	14.170	14.170	(1.093)	12494	25.0000	24
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	202724	100.000	110
83	n-Propyl Benzene	91	14.150	14.150	(0.940)	56929	25.0000	44
84	2-Chlorotoluene	126	14.308	14.308	(0.951)	10062	25.0000	21
85	4-Chlorotoluene	126	14.396	14.396	(0.957)	10442	25.0000	21
86	1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	33469	25.0000	20
87	Pentachloroethane	167	14.702	14.702	(0.977)	6260	25.0000	23
88	tert-Butyl Benzene	119	14.593	14.593	(0.970)	29033	25.0000	20
89	1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	35066	25.0000	20
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	39906	25.0000	19
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	20651	25.0000	21
92	p-Isopropyl Toluene	119	14.899	14.899	(0.990)	31548	25.0000	20
93	1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	21590	25.0000	22
94	1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	19641	25.0000	22
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	31556	25.0000	20
96	1,2-Dibromo-3-Chloropropane	157	16.257	16.257	(1.080)	2262	25.0000	23
97	1,2,4-Trichlorobenzene	180	17.133	17.133	(1.139)	12135	25.0000	20
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	4504	25.0000	19
99	Naphthalene	128	17.488	17.488	(1.162)	32449	25.0000	24
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	11234	25.0000	21
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				32024	50.0000	52
M 102	Xylene (total)	106				54246	75.0000	66

QC Flag Legend

M - Compound response manually integrated.

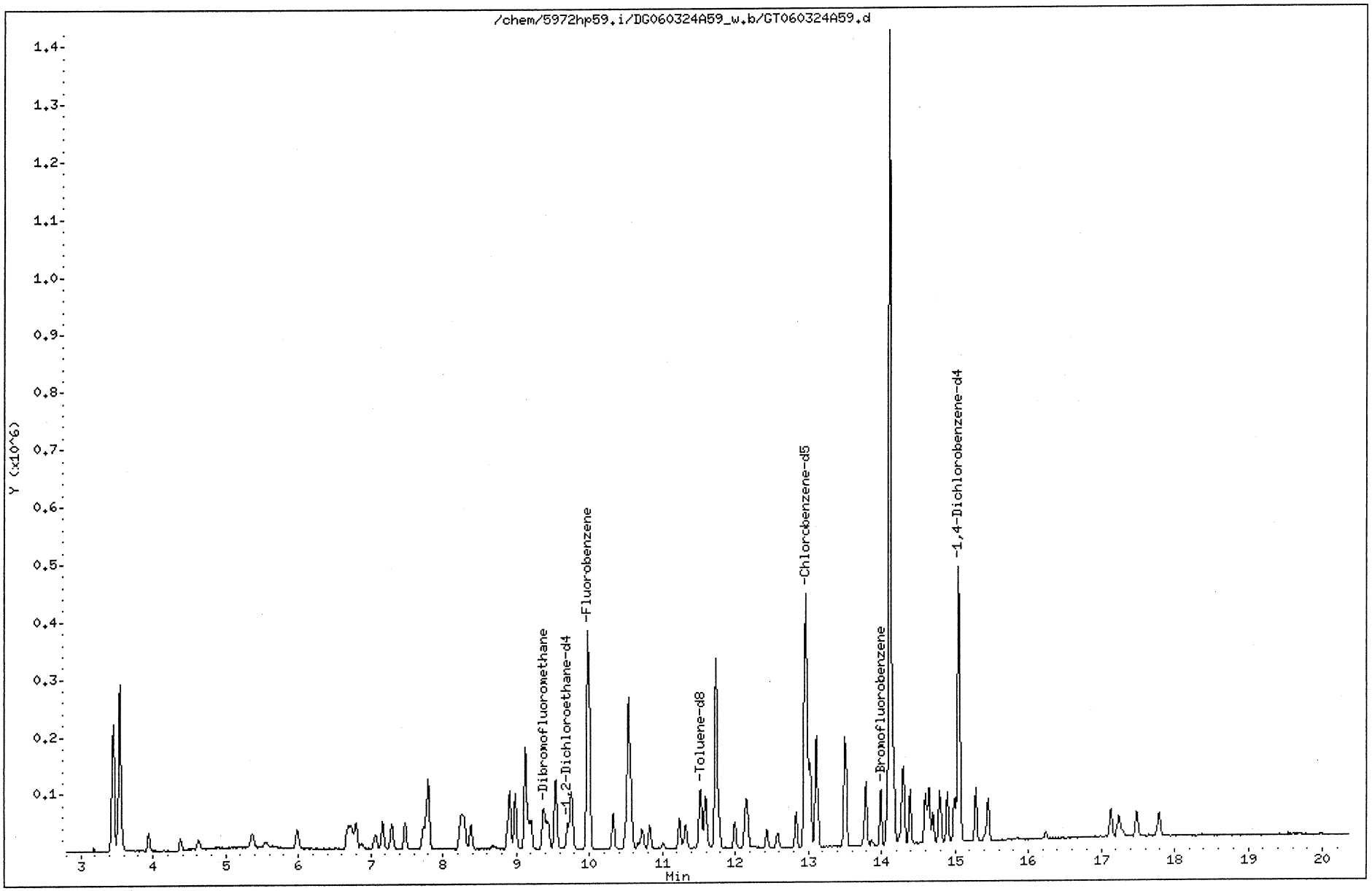
2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 2974 Manually integrated



File name: /chem/5972hp59.i/DG060324A59_w.b/GS060324A59.d
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 24-MAR-2006 15:53
Retention Time: 11.02
Operator ID: 2473

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Date : 24-MAR-2006 16:21
Client ID: VSTD010
Sample Info: VSTD010:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 24-MAR-2006 16:21
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD010:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:21 Cal File: GT060324A59.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.988	9.988	(1.000)	492258	250.000	
* 2 Chlorobenzene-d5	117	12.961	12.961	(1.000)	326896	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.048	15.048	(1.000)	161486	250.000	
$ 4 Dibromofluoromethane	113	9.368	9.368	(0.938)	37267	50.0000	59
$ 5 1,2-Dichloroethane-d4	65	9.702	9.702	(0.971)	39491	50.0000	59
$ 6 Toluene-d8	98	11.514	11.514	(0.888)	114932	50.0000	59
$ 7 Bromofluorobenzene	95	13.995	13.995	(0.930)	49196	50.0000	58
8 Dichlorodifluoromethane	85	3.933	3.933	(0.394)	42830	50.0000	51
9 Chloromethane	50	4.376	4.376	(0.438)	30193	50.0000	50
10 Vinyl Chloride	62	4.622	4.622	(0.463)	21578	50.0000	50
11 Bromomethane	94	5.361	5.361	(0.537)	21472	50.0000	46
12 Chloroethane	64	5.548	5.548	(0.555)	11726	50.0000	44
13 Trichlorofluoromethane	101	5.981	5.981	(0.599)	45804	50.0000	51
14 Acrolein	56	6.680	6.680	(0.669)	31847	500.000	470
15 1,1-Dichloroethene	96	6.798	6.798	(0.681)	26728	50.0000	52

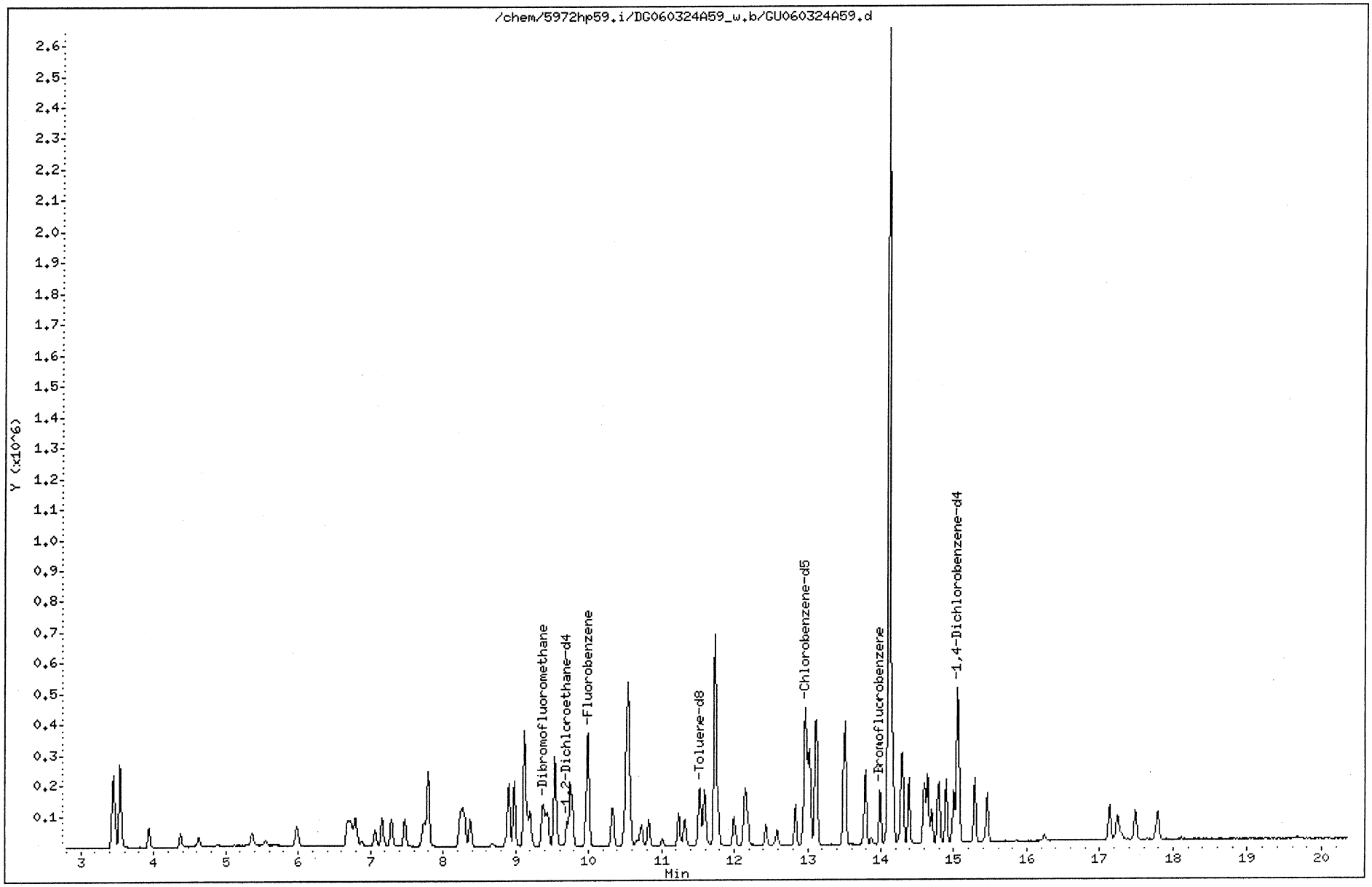
Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.710	6.710	(0.672)	10946	50.0000	50
17 Acetone	43	6.877	6.877	(0.689)	16566	125.000	120
18 Iodomethane	142	7.064	7.064	(0.707)	39157	50.0000	50
19 1,1,2-trichloro-1,2,2-trifluo	101	6.739	6.739	(0.675)	28752	50.0000	51
20 Carbon disulfide	76	7.162	7.162	(0.717)	93116	50.0000	50
21 3-Chloropropene	76	7.290	7.290	(0.730)	14156	50.0000	50
22 Acetonitrile	41	7.290	7.290	(0.730)	37183	50.0000	50
23 Methyl acetate	43	7.281	7.281	(0.729)	14853	50.0000	49
24 Methylene Chloride	84	7.477	7.477	(0.749)	29948	50.0000	51
25 Acrylonitrile	53	7.793	7.793	(0.780)	69359	500.000	480
26 trans-1,2-Dichloroethene	96	7.793	7.793	(0.780)	30704	50.0000	52
27 trans-1,2-DCE (part of total)	96	7.793	7.793	(0.780)	30704	50.0000	52
28 Methyl-tert-butyl ether	73	7.733	7.733	(0.774)	64353	50.0000	49
29 1,1-Dichloroethane	63	8.304	8.304	(0.831)	52266	50.0000	50
30 Chloroprene	53	8.373	8.373	(0.838)	37794	50.0000	49
31 Vinyl acetate	43	8.265	8.265	(0.828)	77869	50.0000	48
32 Isopropyl ether	45	8.245	8.245	(0.826)	80998	50.0000	49
33 cis-1,2-Dichloroethene	96	8.905	8.905	(0.892)	32130	50.0000	52
34 cis-1,2-DCE (part of total)	96	8.905	8.905	(0.892)	32130	50.0000	52
35 2,2-Dichloropropane	77	8.895	8.895	(0.891)	43692	50.0000	51
36 Propionitrile	54	8.984	8.984	(0.899)	122610	2500.00	2300
37 2-butanone	43	8.885	8.885	(0.890)	22272	125.000	120
38 Methacrylonitrile	41	9.122	9.122	(0.913)	113190	500.000	490
39 Bromochloromethane	128	9.171	9.171	(0.918)	13712	50.0000	52
40 Chloroform	83	9.210	9.210	(0.922)	51815	50.0000	50
41 1,1,1-Trichloroethane	97	9.397	9.397	(0.941)	43064	50.0000	50
42 Cyclohexane	56	9.437	9.437	(0.945)	32201	50.0000	47
43 1,1-dichloropropene	75	9.535	9.535	(0.955)	38092	50.0000	51
44 Carbon Tetrachloride	117	9.545	9.545	(0.956)	33662	50.0000	50
45 1,2-Dichloroethane	62	9.771	9.771	(0.978)	36513	50.0000	50
46 Isobutyl alcohol	43	9.545	9.545	(0.956)	35554	2500.00	2200
47 Benzene	78	9.752	9.752	(0.976)	103742	50.0000	50
48 Trichloroethene	130	10.332	10.332	(1.034)	27905	50.0000	52
49 Methylcyclohexane	83	10.500	10.500	(1.051)	25788	50.0000	46
50 1,2-Dichloropropane	63	10.569	10.569	(1.058)	28040	50.0000	52
51 Dibromomethane	174	10.726	10.726	(1.074)	15385	50.0000	49
52 1,4-dioxane	88	10.667	10.667	(1.068)	9613	2500.00	2200
53 Methylmethacrylate	69	10.539	10.539	(1.055)	146408	500.000	500
54 Bromodichloromethane	83	10.825	10.825	(1.084)	36155	50.0000	49
55 2-chloroethyl vinyl ether	63	11.022	11.022	(1.103)	5688	50.0000	48
56 cis-1,3-Dichloropropene	75	11.238	11.238	(1.125)	43877	50.0000	50
57 4-Methyl-2-pentanone	43	11.317	11.317	(0.873)	44085	125.000	110
58 Toluene	92	11.593	11.593	(0.894)	64113	50.0000	51
59 trans-1,3-Dichloropropene	75	11.780	11.780	(0.909)	38018	50.0000	49
60 1,1,2-Trichloroethane	97	11.996	11.996	(0.926)	21076	50.0000	50
61 Ethylmethacrylate	69	11.730	11.730	(0.905)	277256	500.000	510
62 1,3-Dichloropropane	76	12.174	12.174	(0.939)	36133	50.0000	50

Data File: /chem/5972hp59.i/DG060324A59_w.b/GT060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.154	12.154	(0.938)	17285	50.0000	49
64 2-hexanone	43	12.134	12.134	(0.936)	30839	125.000	110
65 Dibromochloromethane	129	12.429	12.429	(0.959)	22655	50.0000	47
66 1,2-Dibromoethane	107	12.577	12.577	(0.970)	23527	50.0000	50
67 Chlorobenzene	112	12.991	12.991	(1.002)	67719	50.0000	51
69 1,1,1,2-Tetrachloroethane	131	13.040	13.040	(1.006)	22916	50.0000	50
70 Ethylbenzene	106	13.020	13.020	(1.005)	31600	50.0000	49
71 m,p-Xylene	106	13.119	13.119	(1.012)	78459	100.000	98
72 m,p-Xylene (part of total)	106	13.119	13.119	(1.012)	78459	100.000	98
73 o-Xylene	106	13.503	13.503	(1.042)	39179	50.0000	50
74 o-Xylene (part of total)	106	13.503	13.503	(1.042)	39179	50.0000	50
75 Styrene	104	13.512	13.512	(1.043)	68358	50.0000	49
76 Bromoform	173	13.778	13.778	(1.063)	15018	50.0000	48
78 Isopropyl Benzene	105	13.788	13.788	(1.064)	87681	50.0000	47
79 1,1,2,2-Tetrachloroethane	83	14.083	14.083	(0.936)	29996	50.0000	51
80 1,2,3-Trichloropropane	110	14.152	14.152	(1.092)	7559	50.0000	51
81 Bromobenzene	156	14.172	14.172	(1.093)	26184	50.0000	51
82 trans-1,4-dichloro-2-butene	53	14.113	14.113	(1.089)	368722	200.000	210
83 n-Propyl Benzene	91	14.152	14.152	(0.940)	116087	50.0000	59
84 2-Chlorotoluene	126	14.300	14.300	(0.950)	22240	50.0000	48
85 4-Chlorotoluene	126	14.389	14.389	(0.956)	22853	50.0000	47
86 1,3,5-Trimethyl Benzene	105	14.280	14.280	(0.949)	74388	50.0000	46
87 Pentachloroethane	167	14.704	14.704	(0.977)	12539	50.0000	48
88 tert-Butyl Benzene	119	14.595	14.595	(0.970)	63468	50.0000	46
89 1,2,4-Trimethyl Benzene	105	14.645	14.645	(0.973)	77616	50.0000	46
90 sec-Butyl Benzene	105	14.792	14.792	(0.983)	90129	50.0000	45
91 1,3-Dichlorobenzene	146	14.999	14.999	(0.997)	43913	50.0000	47
92 p-Isopropyl Toluene	119	14.891	14.891	(0.990)	70630	50.0000	46
93 1,4-Dichlorobenzene	146	15.068	15.068	(1.001)	44653	50.0000	47
94 1,2-Dichlorobenzene	146	15.452	15.452	(1.027)	40572	50.0000	47
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.285	15.285	(1.016)	74242	50.0000	47
96 1,2-Dibromo-3-Chloropropane	157	16.249	16.249	(1.080)	4202	50.0000	44
97 1,2,4-Trichlorobenzene	180	17.135	17.135	(1.139)	26194	50.0000	46
98 Hexachlorobutadiene	225	17.244	17.244	(1.146)	12222	50.0000	49
99 Naphthalene	128	17.490	17.490	(1.162)	56179	50.0000	44
100 1,2,3-Trichlorobenzene	180	17.785	17.785	(1.182)	22120	50.0000	44
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				62834	100.000	100
M 102 Xylene (total)	106				117638	150.000	150

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Date : 24-MAR-2006 16:49
Client ID: VSTD020
Instrument: 5972hp59.i
Sample Info: VSTD020:2473
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 24-MAR-2006 16:49
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD020:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:41 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 16:49 Cal File: GU060324A59.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.990	9.990	(1.000)	479714	250.000	
* 2 Chlorobenzene-d5	117	12.964	12.964	(1.000)	322443	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.051	15.051	(1.000)	157239	250.000	
$ 4 Dibromofluoromethane	113	9.370	9.370	(0.938)	65931	100.000	110
$ 5 1,2-Dichloroethane-d4	65	9.705	9.705	(0.971)	69219	100.000	110
$ 6 Toluene-d8	98	11.526	11.526	(0.889)	203856	100.000	110
$ 7 Bromofluorobenzene	95	13.987	13.987	(0.929)	86769	100.000	100
8 Dichlorodifluoromethane	85	3.936	3.936	(0.394)	83915	100.000	100
9 Chloromethane	50	4.379	4.379	(0.438)	58928	100.000	100
10 Vinyl Chloride	62	4.625	4.625	(0.463)	43600	100.000	100
11 Bromomethane	94	5.363	5.363	(0.537)	40600	100.000	98
12 Chloroethane	64	5.550	5.550	(0.556)	21649	100.000	91
13 Trichlorofluoromethane	101	5.983	5.983	(0.599)	91159	100.000	100
14 Acrolein	56	6.682	6.682	(0.669)	67609	1000.00	1000
15 1,1-Dichloroethene	96	6.801	6.801	(0.681)	51631	100.000	100

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

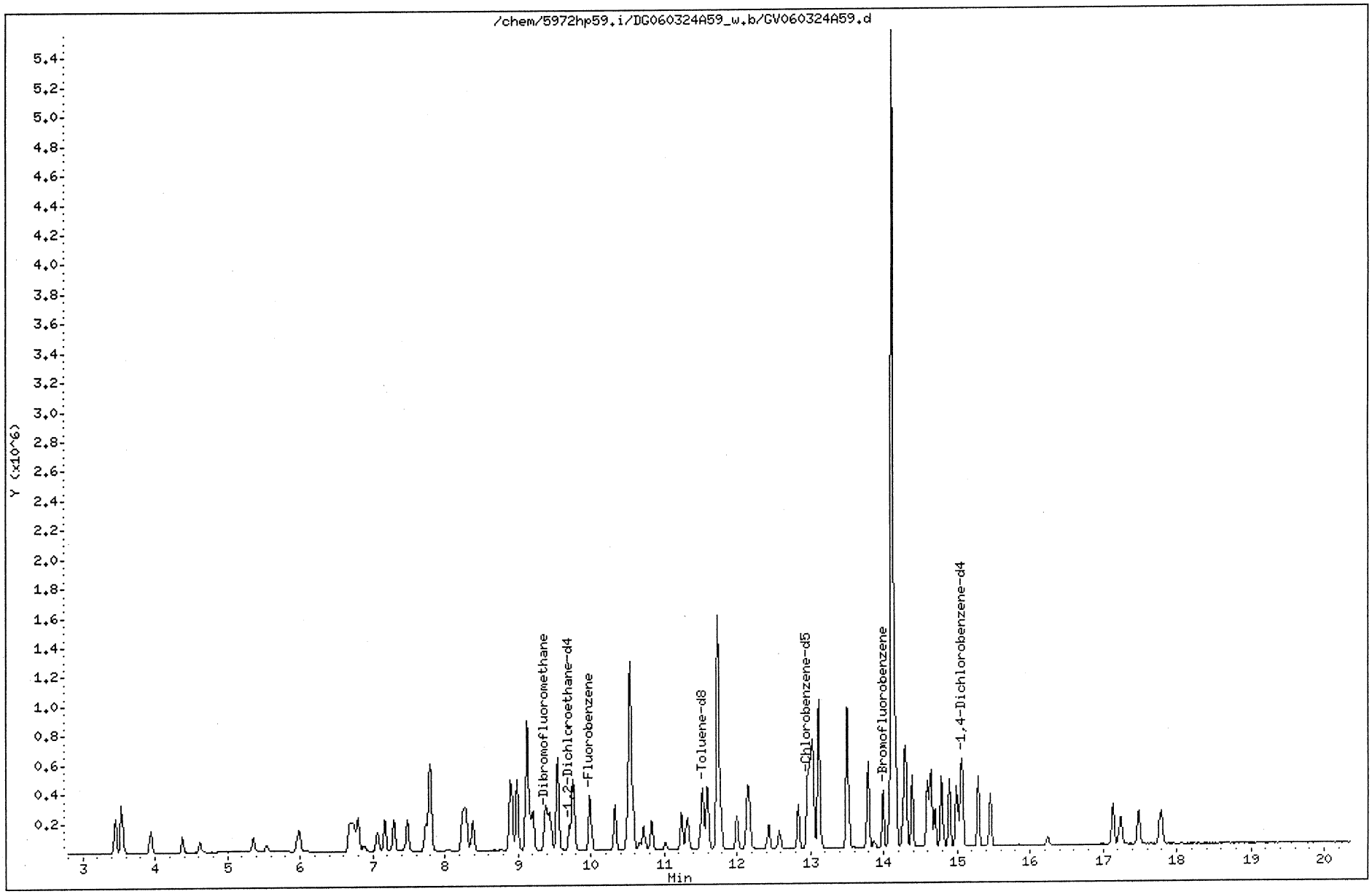
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16	1,1,1-trichloro-2,2,2-trifluo	117	6.702	6.702	(0.671)	22313	100.000	110
17	Acetone	43	6.879	6.879	(0.689)	30009	250.000	250
18	Iodomethane	142	7.066	7.066	(0.707)	80129	100.000	110
19	1,1,2-trichloro-1,2,2-trifluo	101	6.742	6.742	(0.675)	59025	100.000	110
20	Carbon disulfide	76	7.165	7.165	(0.717)	183198	100.000	100
21	3-Chloropropene	76	7.293	7.293	(0.730)	27703	100.000	100
22	Acetonitrile	41	7.293	7.293	(0.730)	73653	100.000	100
23	Methyl acetate	43	7.283	7.283	(0.729)	29298	100.000	98
24	Methylene Chloride	84	7.470	7.470	(0.748)	58014	100.000	100
25	Acrylonitrile	53	7.785	7.785	(0.779)	142824	1000.00	1000
26	trans-1,2-Dichloroethene	96	7.795	7.795	(0.780)	59220	100.000	100
27	trans-1,2-DCE (part of total)	96	7.795	7.795	(0.780)	59220	100.000	100
28	Methyl-tert-butyl ether	73	7.736	7.736	(0.774)	127893	100.000	99
29	1,1-Dichloroethane	63	8.297	8.297	(0.830)	105155	100.000	100
30	Chloroprene	53	8.376	8.376	(0.838)	76609	100.000	100
31	Vinyl acetate	43	8.267	8.267	(0.828)	160711	100.000	100
32	Isopropyl ether	45	8.248	8.248	(0.826)	164946	100.000	100
33	cis-1,2-Dichloroethene	96	8.907	8.907	(0.892)	62241	100.000	100
34	cis-1,2-DCE (part of total)	96	8.907	8.907	(0.892)	62241	100.000	100
35	2,2-Dichloropropane	77	8.898	8.898	(0.891)	85465	100.000	100
36	Propionitrile	54	8.986	8.986	(0.899)	261663	5000.00	5100
37	2-butanone	43	8.888	8.888	(0.890)	42696	250.000	240
38	Methacrylonitrile	41	9.124	9.124	(0.913)	235635	1000.00	1000
39	Bromochloromethane	128	9.163	9.163	(0.917)	26450	100.000	100
40	Chloroform	83	9.203	9.203	(0.921)	102527	100.000	100
41	1,1,1-Trichloroethane	97	9.400	9.400	(0.941)	86275	100.000	100
42	Cyclohexane	56	9.439	9.439	(0.945)	69657	100.000	110
43	1,1-dichloropropene	75	9.537	9.537	(0.955)	78840	100.000	110
44	Carbon Tetrachloride	117	9.547	9.547	(0.956)	70213	100.000	110
45	1,2-Dichloroethane	62	9.774	9.774	(0.978)	73654	100.000	100
46	Isobutyl alcohol	43	9.547	9.547	(0.956)	79945	5000.00	5200
47	Benzene	78	9.754	9.754	(0.976)	206153	100.000	100
48	Trichloroethene	130	10.335	10.335	(1.034)	53693	100.000	100
49	Methylcyclohexane	83	10.502	10.502	(1.051)	59611	100.000	110
50	1,2-Dichloropropane	63	10.571	10.571	(1.058)	54318	100.000	100
51	Dibromomethane	174	10.729	10.729	(1.074)	30783	100.000	100
52	1,4-dioxane	88	10.670	10.670	(1.068)	20193	5000.00	4800
53	Methylmethacrylate	69	10.542	10.542	(1.055)	300295	1000.00	1000
54	Bromodichloromethane	83	10.827	10.827	(1.084)	72839	100.000	100
55	2-chloroethyl vinyl ether	63	11.014	11.014	(1.102)	12069	100.000	100
56	cis-1,3-Dichloropropene	75	11.241	11.241	(1.125)	87511	100.000	100
57	4-Methyl-2-pentanone	43	11.319	11.319	(0.873)	90954	250.000	240
58	Toluene	92	11.595	11.595	(0.894)	127912	100.000	100
59	trans-1,3-Dichloropropene	75	11.782	11.782	(0.909)	78614	100.000	100
60	1,1,2-Trichloroethane	97	11.999	11.999	(0.926)	41481	100.000	100
61	Ethylmethacrylate	69	11.733	11.733	(0.905)	569688	1000.00	1100
62	1,3-Dichloropropane	76	12.176	12.176	(0.939)	71706	100.000	100

Data File: /chem/5972hp59.i/DG060324A59_w.b/GU060324A59.d
Report Date: 27-Mar-2006 03:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.156	12.156	(0.938)	37682	100.000	110
64 2-hexanone	43	12.137	12.137	(0.936)	65102	250.000	240
65 Dibromochloromethane	129	12.432	12.432	(0.959)	46681	100.000	99
66 1,2-Dibromoethane	107	12.580	12.580	(0.970)	46677	100.000	100
67 Chlorobenzene	112	12.993	12.993	(1.002)	139400	100.000	110
69 1,1,1,2-Tetrachloroethane	131	13.042	13.042	(1.006)	46375	100.000	100
70 Ethylbenzene	106	13.023	13.023	(1.005)	67341	100.000	110
71 m,p-Xylene	106	13.121	13.121	(1.012)	168911	200.000	210
72 m,p-Xylene (part of total)	106	13.121	13.121	(1.012)	168911	200.000	210
73 o-Xylene	106	13.505	13.505	(1.042)	82296	100.000	110
74 o-Xylene (part of total)	106	13.505	13.505	(1.042)	82296	100.000	110
75 Styrene	104	13.515	13.515	(1.043)	143925	100.000	100
76 Bromoform	173	13.771	13.771	(1.062)	31248	100.000	100
78 Isopropyl Benzene	105	13.791	13.791	(1.064)	196622	100.000	110
79 1,1,2,2-Tetrachloroethane	83	14.076	14.076	(0.935)	60033	100.000	100
80 1,2,3-Trichloropropane	110	14.155	14.155	(1.092)	15475	100.000	110
81 Bromobenzene	156	14.174	14.174	(1.093)	53135	100.000	110
82 trans-1,4-dichloro-2-butene	53	14.115	14.115	(1.089)	723474	400.000	430
83 n-Propyl Benzene	91	14.155	14.155	(0.940)	295263	100.000	100
84 2-Chlorotoluene	126	14.302	14.302	(0.950)	47380	100.000	110
85 4-Chlorotoluene	126	14.391	14.391	(0.956)	49700	100.000	110
86 1,3,5-Trimethyl Benzene	105	14.283	14.283	(0.949)	168842	100.000	110
87 Pentachloroethane	167	14.696	14.696	(0.976)	25349	100.000	100
88 tert-Butyl Benzene	119	14.598	14.598	(0.970)	141821	100.000	100
89 1,2,4-Trimethyl Benzene	105	14.637	14.637	(0.973)	174544	100.000	110
90 sec-Butyl Benzene	105	14.795	14.795	(0.983)	204640	100.000	110
91 1,3-Dichlorobenzene	146	15.001	15.001	(0.997)	94598	100.000	100
92 p-Isopropyl Toluene	119	14.893	14.893	(0.990)	157970	100.000	100
93 1,4-Dichlorobenzene	146	15.070	15.070	(1.001)	98514	100.000	110
94 1,2-Dichlorobenzene	146	15.454	15.454	(1.027)	87630	100.000	110
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.287	15.287	(1.016)	167644	100.000	110
96 1,2-Dibromo-3-Chloropropane	157	16.242	16.242	(1.079)	9145	100.000	99
97 1,2,4-Trichlorobenzene	180	17.138	17.138	(1.139)	56764	100.000	100
98 Hexachlorobutadiene	225	17.236	17.236	(1.145)	26229	100.000	100
99 Naphthalene	128	17.482	17.482	(1.162)	123652	100.000	98
100 1,2,3-Trichlorobenzene	180	17.788	17.788	(1.182)	49964	100.000	100
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				121461	200.000	210
M 102 Xylene (total)	106				251207	300.000	320

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Date : 24-MAR-2006 17:17
Client ID: VSTD050
Sample Info: VSTD050:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 24-MAR-2006 17:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD050:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 17:17 Cal File: GV060324A59.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.986	9.986	(1.000)	475460	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	317456	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	151261	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.938)	144540	250.000	240
$ 5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	149887	250.000	230
$ 6 Toluene-d8	98	11.522	11.522	(0.889)	445878	250.000	230
$ 7 Bromofluorobenzene	95	13.993	13.993	(0.930)	186941	250.000	230
8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	199507	250.000	250
9 Chloromethane	50	4.374	4.374	(0.438)	140236	250.000	240
10 Vinyl Chloride	62	4.621	4.621	(0.463)	102411	250.000	240
11 Bromomethane	94	5.359	5.359	(0.537)	93440	250.000	240
12 Chloroethane	64	5.546	5.546	(0.555)	52194	250.000	240
13 Trichlorofluoromethane	101	5.979	5.979	(0.599)	215354	250.000	250
14 Acrolein	56	6.678	6.678	(0.669)	159246	2500.00	2400
15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	118253	250.000	240

RJ 3/27/2

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

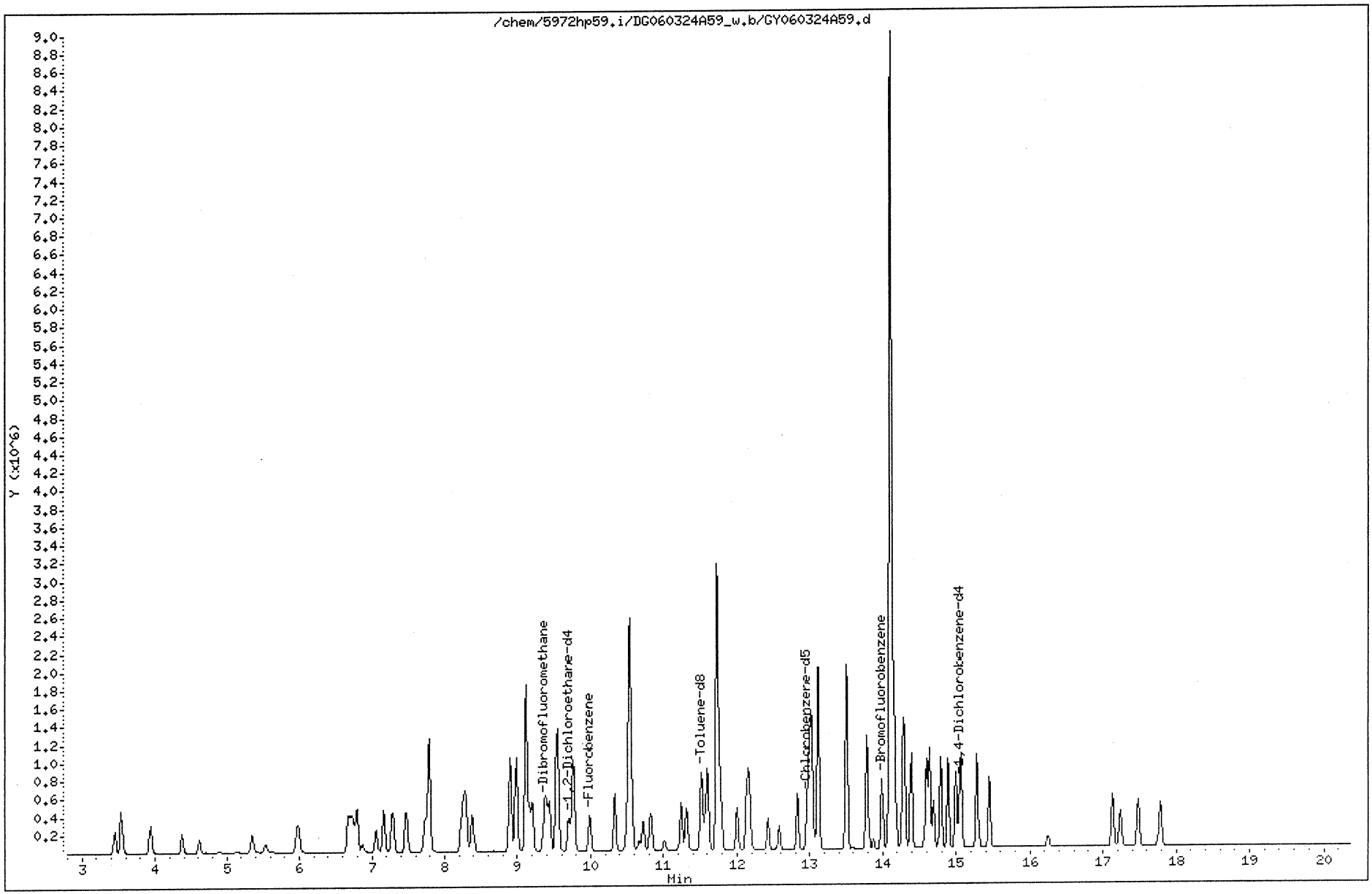
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.708	6.708	(0.672)	54229	250.000	260
17 Acetone	43	6.875	6.875	(0.688)	66711	625.000	610
18 Iodomethane	142	7.062	7.062	(0.707)	193533	250.000	260
19 1,1,2-trichloro-1,2,2-trifluo	101	6.737	6.737	(0.675)	138119	250.000	250
20 Carbon disulfide	76	7.161	7.161	(0.717)	434699	250.000	240
21 3-Chloropropene	76	7.289	7.289	(0.730)	68115	250.000	250
22 Acetonitrile	41	7.289	7.289	(0.730)	175051	250.000	240
23 Methyl acetate	43	7.279	7.279	(0.729)	70928	250.000	240
24 Methylene Chloride	84	7.476	7.476	(0.749)	138450	250.000	240
25 Acrylonitrile	53	7.791	7.791	(0.780)	343762	2500.00	2500
26 trans-1,2-Dichloroethene	96	7.801	7.801	(0.781)	138214	250.000	240
27 trans-1,2-DCE (part of total)	96	7.801	7.801	(0.781)	138214	250.000	240
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	320157	250.000	250
29 1,1-Dichloroethane	63	8.303	8.303	(0.831)	249123	250.000	250
30 Chloroprene	53	8.381	8.381	(0.839)	186632	250.000	250
31 Vinyl acetate	43	8.273	8.273	(0.828)	388019	250.000	250
32 Isopropyl ether	45	8.244	8.244	(0.826)	400790	250.000	250
33 cis-1,2-Dichloroethene	96	8.913	8.913	(0.893)	148913	250.000	250
34 cis-1,2-DCE (part of total)	96	8.913	8.913	(0.893)	148913	250.000	250
35 2,2-Dichloropropane	77	8.903	8.903	(0.892)	203384	250.000	250
36 Propionitrile	54	8.982	8.982	(0.899)	626589	12500.0	12000
37 2-butanone	43	8.883	8.883	(0.890)	105502	625.000	600
38 Methacrylonitrile	41	9.120	9.120	(0.913)	557881	2500.00	2500
39 Bromochloromethane	128	9.169	9.169	(0.918)	63959	250.000	250
40 Chloroform	83	9.208	9.208	(0.922)	253701	250.000	250
41 1,1,1-Trichloroethane	97	9.395	9.395	(0.941)	209609	250.000	250
42 Cyclohexane	56	9.435	9.435	(0.945)	168342	250.000	260
43 1,1-dichloropropene	75	9.533	9.533	(0.955)	183050	250.000	250
44 Carbon Tetrachloride	117	9.553	9.553	(0.957)	164474	250.000	250
45 1,2-Dichloroethane	62	9.779	9.779	(0.979)	180540	250.000	250
46 Isobutyl alcohol	43	9.543	9.543	(0.956)	187292	12500.0	12000
47 Benzene	78	9.750	9.750	(0.976)	495519	250.000	250
48 Trichloroethene	130	10.331	10.331	(1.034)	127332	250.000	250
49 Methylcyclohexane	83	10.508	10.508	(1.052)	136803	250.000	250
50 1,2-Dichloropropane	63	10.567	10.567	(1.058)	133040	250.000	250
51 Dibromomethane	174	10.724	10.724	(1.074)	74491	250.000	250
52 1,4-dioxane	88	10.665	10.665	(1.068)	51863	12500.0	12000
53 Methylmethacrylate	69	10.537	10.537	(1.055)	720901	2500.00	2500
54 Bromodichloromethane	83	10.823	10.823	(1.084)	176888	250.000	250
55 2-chloroethyl vinyl ether	63	11.020	11.020	(1.103)	28977	250.000	250
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.125)	212687	250.000	250
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	231493	625.000	620
58 Toluene	92	11.591	11.591	(0.894)	313038	250.000	250
59 trans-1,3-Dichloropropene	75	11.788	11.788	(0.910)	191214	250.000	250
60 1,1,2-Trichloroethane	97	12.004	12.004	(0.926)	101445	250.000	250
61 Ethylmethacrylate	69	11.739	11.739	(0.906)	1366176	2500.00	2600
62 1,3-Dichloropropane	76	12.172	12.172	(0.939)	174389	250.000	250

Data File: /chem/5972hp59.i/DG060324A59_w.b/GV060324A59.d
Report Date: 27-Mar-2006 03:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	12.152	12.152	(0.938)	89018	250.000	260
64 2-hexanone	43	12.132	12.132	(0.936)	164609	625.000	620
65 Dibromochloromethane	129	12.438	12.438	(0.960)	118961	250.000	260
66 1,2-Dibromoethane	107	12.585	12.585	(0.971)	112671	250.000	250
67 Chlorobenzene	112	12.989	12.989	(1.002)	328657	250.000	250
69 1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	114949	250.000	260
70 Ethylbenzene	106	13.018	13.018	(1.005)	160465	250.000	260
71 m,p-Xylene	106	13.117	13.117	(1.012)	402512	500.000	520
72 m,p-Xylene (part of total)	106	13.117	13.117	(1.012)	402512	500.000	520
73 o-Xylene	106	13.501	13.501	(1.042)	198412	250.000	260
74 o-Xylene (part of total)	106	13.501	13.501	(1.042)	198412	250.000	260
75 Styrene	104	13.511	13.511	(1.043)	355693	250.000	260
76 Bromoform	173	13.776	13.776	(1.063)	77025	250.000	250
78 Isopropyl Benzene	105	13.786	13.786	(1.064)	463373	250.000	260
79 1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	138765	250.000	250
80 1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	36095	250.000	250
81 Bromobenzene	156	14.170	14.170	(1.093)	127178	250.000	260
82 trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	1549615	1000.00	930
83 n-Propyl Benzene	91	14.151	14.151	(0.940)	610012	250.000	190
84 2-Chlorotoluene	126	14.298	14.298	(0.950)	112611	250.000	260
85 4-Chlorotoluene	126	14.387	14.387	(0.956)	116323	250.000	260
86 1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	392966	250.000	260
87 Pentachloroethane	167	14.702	14.702	(0.977)	62563	250.000	260
88 tert-Butyl Benzene	119	14.594	14.594	(0.970)	333920	250.000	260
89 1,2,4-Trimethyl Benzene	105	14.643	14.643	(0.973)	409569	250.000	260
90 sec-Butyl Benzene	105	14.790	14.790	(0.983)	479559	250.000	260
91 1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	222269	250.000	250
92 p-Isopropyl Toluene	119	14.899	14.899	(0.990)	372403	250.000	260
93 1,4-Dichlorobenzene	146	15.076	15.076	(1.002)	228405	250.000	260
94 1,2-Dichlorobenzene	146	15.460	15.460	(1.027)	204027	250.000	250
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.283	15.283	(1.016)	393559	250.000	250
96 1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	22407	250.000	250
97 1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	135252	250.000	250
98 Hexachlorobutadiene	225	17.242	17.242	(1.146)	65195	250.000	260
99 Naphthalene	128	17.488	17.488	(1.162)	304113	250.000	250
100 1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	121903	250.000	260
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				287127	500.000	490
M 102 Xylene (total)	106				600924	750.000	780

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Date : 24-MAR-2006 18:40
Client ID: VSTD100
Sample Info: VSTD100:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 24-MAR-2006 18:40
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD100:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.987	9.987	(1.000)	500262	250.000	
* 2 Chlorobenzene-d5	117	12.960	12.960	(1.000)	329384	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.047	15.047	(1.000)	156009	250.000	
$ 4 Dibromofluoromethane	113	9.367	9.367	(0.938)	305167	500.000	470
$ 5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.971)	315214	500.000	470
$ 6 Toluene-d8	98	11.523	11.523	(0.889)	928875	500.000	470
$ 7 Bromofluorobenzene	95	13.984	13.984	(0.929)	387247	500.000	470
8 Dichlorodifluoromethane	85	3.932	3.932	(0.394)	413379	500.000	480
9 Chloromethane	50	4.375	4.375	(0.438)	300043	500.000	490
10 Vinyl Chloride	62	4.621	4.621	(0.463)	222309	500.000	500
11 Bromomethane	94	5.350	5.350	(0.536)	195649	500.000	510
12 Chloroethane	64	5.537	5.537	(0.554)	111692	500.000	510
13 Trichlorofluoromethane	101	5.980	5.980	(0.599)	437920	500.000	480
14 Acrolein	56	6.669	6.669	(0.668)	349465	5000.00	5100
15 1,1-Dichloroethene	96	6.797	6.797	(0.681)	251719	500.000	480

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

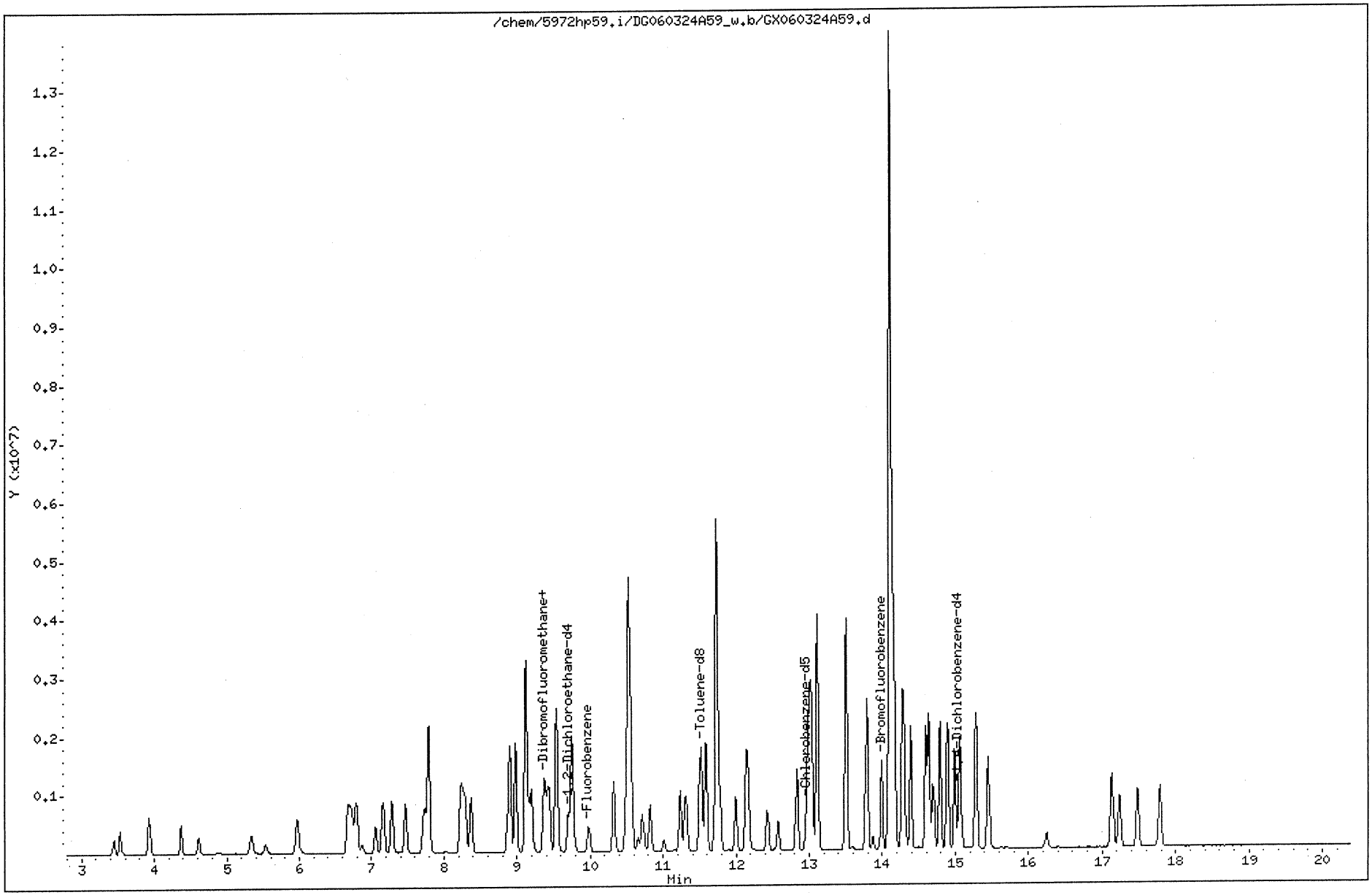
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.709	6.709	(0.672)	111200	500.000	500
17 Acetone	43	6.876	6.876	(0.688)	142391	1250.00	1300
18 Iodomethane	142	7.063	7.063	(0.707)	383132	500.000	480
19 1,1,2-trichloro-1,2,2-trifluo	101	6.738	6.738	(0.675)	289880	500.000	500
20 Carbon disulfide	76	7.161	7.161	(0.717)	945384	500.000	500
21 3-Chloropropene	76	7.289	7.289	(0.730)	134775	500.000	470
22 Acetonitrile	41	7.289	7.289	(0.730)	351428	500.000	460
23 Methyl acetate	43	7.280	7.280	(0.729)	156607	500.000	500
24 Methylene Chloride	84	7.477	7.477	(0.749)	290019	500.000	490
25 Acrylonitrile	53	7.792	7.792	(0.780)	737575	5000.00	5000
26 trans-1,2-Dichloroethene	96	7.792	7.792	(0.780)	295805	500.000	490
27 trans-1,2-DCE (part of total)	96	7.792	7.792	(0.780)	295805	500.000	490
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.774)	665762	500.000	490
29 1,1-Dichloroethane	63	8.294	8.294	(0.830)	532044	500.000	500
30 Chloroprene	53	8.382	8.382	(0.839)	378933	500.000	480
31 Vinyl acetate	43	8.274	8.274	(0.828)	828695	500.000	500
32 Isopropyl ether	45	8.244	8.244	(0.826)	837030	500.000	500
33 cis-1,2-Dichloroethene	96	8.914	8.914	(0.893)	308568	500.000	490
34 cis-1,2-DCE (part of total)	96	8.914	8.914	(0.893)	308568	500.000	490
35 2,2-Dichloropropane	77	8.894	8.894	(0.891)	438035	500.000	500
36 Propionitrile	54	8.983	8.983	(0.899)	1320265	25000.0	25000
37 2-butanone	43	8.884	8.884	(0.890)	229156	1250.00	1200
38 Methacrylonitrile	41	9.121	9.121	(0.913)	1141744	5000.00	4800
39 Bromochloromethane	128	9.170	9.170	(0.918)	132071	500.000	490
40 Chloroform	83	9.209	9.209	(0.922)	521904	500.000	500
41 1,1,1-Trichloroethane	97	9.396	9.396	(0.941)	426053	500.000	490
42 Cyclohexane	56	9.436	9.436	(0.945)	367477	500.000	530
43 1,1-dichloropropene	75	9.534	9.534	(0.955)	375155	500.000	490
44 Carbon Tetrachloride	117	9.544	9.544	(0.956)	340259	500.000	500
45 1,2-Dichloroethane	62	9.770	9.770	(0.978)	368988	500.000	490
46 Isobutyl alcohol	43	9.544	9.544	(0.956)	393378	25000.0	24000
47 Benzene	78	9.751	9.751	(0.976)	1016135	500.000	480
48 Trichloroethene	130	10.332	10.332	(1.034)	265373	500.000	490
49 Methylcyclohexane	83	10.499	10.499	(1.051)	302328	500.000	530
50 1,2-Dichloropropane	63	10.568	10.568	(1.058)	270004	500.000	490
51 Dibromomethane	174	10.725	10.725	(1.074)	153970	500.000	490
52 1,4-dioxane	88	10.666	10.666	(1.068)	107934	25000.0	25000
53 Methylmethacrylate	69	10.538	10.538	(1.055)	1460633	5000.00	4900
54 Bromodichloromethane	83	10.824	10.824	(1.084)	368085	500.000	500
55 2-chloroethyl vinyl ether	63	11.011	11.011	(1.103)	60322	500.000	500
56 cis-1,3-Dichloropropene	75	11.237	11.237	(1.125)	447876	500.000	500
57 4-Methyl-2-pentanone	43	11.316	11.316	(0.873)	518882	1250.00	1300
58 Toluene	92	11.592	11.592	(0.894)	638367	500.000	500
59 trans-1,3-Dichloropropene	75	11.779	11.779	(0.909)	391095	500.000	500
60 1,1,2-Trichloroethane	97	11.995	11.995	(0.926)	212474	500.000	500
61 Ethylmethacrylate	69	11.730	11.730	(0.905)	2681028	5000.00	4900
62 1,3-Dichloropropane	76	12.173	12.173	(0.939)	362128	500.000	500

Data File: /chem/5972hp59.i/DG060324A59_w.b/GY060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.153	12.153	(0.938)	185906	500.000	520
64	2-hexanone	43	12.133	12.133	(0.936)	359412	1250.00	1300
65	Dibromochloromethane	129	12.429	12.429	(0.959)	249436	500.000	520
66	1,2-Dibromoethane	107	12.576	12.576	(0.970)	235742	500.000	500
67	Chlorobenzene	112	12.990	12.990	(1.002)	672494	500.000	500
69	1,1,1,2-Tetrachloroethane	131	13.039	13.039	(1.006)	234174	500.000	510
70	Ethylbenzene	106	13.019	13.019	(1.005)	338562	500.000	520
71	m,p-Xylene	106	13.118	13.118	(1.012)	840018	1000.00	1000
72	m,p-Xylene (part of total)	106	13.118	13.118	(1.012)	840018	1000.00	1000
73	o-Xylene	106	13.502	13.502	(1.042)	411408	500.000	520
74	o-Xylene (part of total)	106	13.502	13.502	(1.042)	411408	500.000	520
75	Styrene	104	13.511	13.511	(1.043)	735209	500.000	520
76	Bromoform	173	13.777	13.777	(1.063)	163412	500.000	510
78	Isopropyl Benzene	105	13.787	13.787	(1.064)	1000314	500.000	530
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	277780	500.000	490
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	71419	500.000	480
81	Bromobenzene	156	14.171	14.171	(1.093)	253029	500.000	490
82	trans-1,4-dichloro-2-butene	53	14.112	14.112	(1.089)	2688922	2000.00	1600
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	1797088	500.000	530
84	2-Chlorotoluene	126	14.299	14.299	(0.950)	234951	500.000	530
85	4-Chlorotoluene	126	14.388	14.388	(0.956)	244581	500.000	530
86	1,3,5-Trimethyl Benzene	105	14.279	14.279	(0.949)	839220	500.000	540
87	Pentachloroethane	167	14.693	14.693	(0.976)	126959	500.000	500
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	715619	500.000	530
89	1,2,4-Trimethyl Benzene	105	14.644	14.644	(0.973)	879857	500.000	540
90	sec-Butyl Benzene	105	14.791	14.791	(0.983)	1021234	500.000	530
91	1,3-Dichlorobenzene	146	14.998	14.998	(0.997)	474789	500.000	530
92	p-Isopropyl Toluene	119	14.890	14.890	(0.990)	790980	500.000	530
93	1,4-Dichlorobenzene	146	15.067	15.067	(1.001)	478593	500.000	520
94	1,2-Dichlorobenzene	146	15.451	15.451	(1.027)	430000	500.000	520
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.284	15.284	(1.016)	829051	500.000	500
96	1,2-Dibromo-3-Chloropropane	157	16.248	16.248	(1.080)	49171	500.000	540
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	291671	500.000	530
98	Hexachlorobutadiene	225	17.233	17.233	(1.145)	135533	500.000	490
99	Naphthalene	128	17.479	17.479	(1.162)	672817	500.000	540
100	1,2,3-Trichlorobenzene	180	17.784	17.784	(1.182)	263124	500.000	540
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				604373	1000.00	980
M 102	Xylene (total)	106				1251426	1500.00	1600

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Date : 24-MAR-2006 18:13
Client ID: VSTD200
Sample Info: VSTD200:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 24-MAR-2006 18:13
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD200:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG060324A59_w.b/W8260B_5ppbv8.m
Meth Date : 27-Mar-2006 03:42 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:13 Cal File: GX060324A59.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	9.976	9.976	(1.000)	485257	250.000	
* 2 Chlorobenzene-d5	117	12.959	12.959	(1.000)	329350	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.046	15.046	(1.000)	152463	250.000	
$ 4 Dibromofluoromethane	113	9.366	9.366	(0.939)	549241	1000.00	880
$ 5 1,2-Dichloroethane-d4	65	9.701	9.701	(0.972)	580364	1000.00	880
$ 6 Toluene-d8	98	11.512	11.512	(0.888)	1765949	1000.00	890
$ 7 Bromofluorobenzene	95	13.983	13.983	(0.929)	744178	1000.00	920
8 Dichlorodifluoromethane	85	3.931	3.931	(0.394)	824960	1000.00	990
9 Chloromethane	50	4.365	4.365	(0.437)	607339	1000.00	1000(A)
10 Vinyl Chloride	62	4.611	4.611	(0.462)	414936	1000.00	970
11 Bromomethane	94	5.329	5.329	(0.534)	355410	1000.00	1000
12 Chloroethane	64	5.526	5.526	(0.554)	198988	1000.00	1000
13 Trichlorofluoromethane	101	5.969	5.969	(0.598)	868183	1000.00	980
14 Acrolein	56	6.668	6.668	(0.668)	629477	10000.0	9500
15 1,1-Dichloroethene	96	6.796	6.796	(0.681)	472100	1000.00	930

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.698	6.698	(0.671)	218222	1000.00	1000(A)
17 Acetone	43	6.875	6.875	(0.689)	269912	2500.00	2500
18 Iodomethane	142	7.052	7.052	(0.707)	719122	1000.00	940
19 1,1,2-trichloro-1,2,2-trifluo	101	6.727	6.727	(0.674)	558763	1000.00	1000(A)
20 Carbon disulfide	76	7.161	7.161	(0.718)	1764817	1000.00	970
21 3-Chloropropene	76	7.289	7.289	(0.731)	278709	1000.00	1000(A)
22 Acetonitrile	41	7.279	7.279	(0.730)	735383	1000.00	1000(A)
23 Methyl acetate	43	7.269	7.269	(0.729)	283692	1000.00	940
24 Methylene Chloride	84	7.466	7.466	(0.748)	542054	1000.00	940
25 Acrylonitrile	53	7.781	7.781	(0.780)	1306069	10000.0	9200
26 trans-1,2-Dichloroethene	96	7.791	7.791	(0.781)	534568	1000.00	920
27 trans-1,2-DCE (part of total)	96	7.791	7.791	(0.781)	534568	1000.00	920
28 Methyl-tert-butyl ether	73	7.732	7.732	(0.775)	1277565	1000.00	980
29 1,1-Dichloroethane	63	8.293	8.293	(0.831)	992561	1000.00	960
30 Chloroprene	53	8.372	8.372	(0.839)	788114	1000.00	1000(A)
31 Vinyl acetate	43	8.263	8.263	(0.828)	1571276	1000.00	990
32 Isopropyl ether	45	8.234	8.234	(0.825)	1630568	1000.00	1000
33 cis-1,2-Dichloroethene	96	8.903	8.903	(0.892)	569328	1000.00	930
34 cis-1,2-DCE (part of total)	96	8.903	8.903	(0.892)	569328	1000.00	930
35 2,2-Dichloropropane	77	8.893	8.893	(0.891)	797510	1000.00	940
36 Propionitrile	54	8.982	8.982	(0.900)	2419908	50000.0	47000
37 2-butanone	43	8.874	8.874	(0.889)	422639	2500.00	2400
38 Methacrylonitrile	41	9.120	9.120	(0.914)	2079872	10000.0	9100
39 Bromochloromethane	128	9.169	9.169	(0.919)	242623	1000.00	930
40 Chloroform	83	9.198	9.198	(0.922)	982171	1000.00	960
41 1,1,1-Trichloroethane	97	9.386	9.386	(0.941)	822967	1000.00	970
42 Cyclohexane	56	9.435	9.435	(0.946)	739556	1000.00	1100(A)
43 1,1-dichloropropene	75	9.523	9.523	(0.955)	700330	1000.00	940
44 Carbon Tetrachloride	117	9.543	9.543	(0.957)	650506	1000.00	980
45 1,2-Dichloroethane	62	9.770	9.770	(0.979)	712094	1000.00	980
46 Isobutyl alcohol	43	9.543	9.543	(0.957)	747024	50000.0	48000
47 Benzene	78	9.750	9.750	(0.977)	1945748	1000.00	950
48 Trichloroethene	130	10.331	10.331	(1.036)	512219	1000.00	970
49 Methylcyclohexane	83	10.498	10.498	(1.052)	652958	1000.00	1200(A)
50 1,2-Dichloropropane	63	10.567	10.567	(1.059)	509397	1000.00	950
51 Dibromomethane	174	10.724	10.724	(1.075)	295788	1000.00	960
52 1,4-dioxane	88	10.656	10.656	(1.068)	226578	50000.0	53000(A)
53 Methylmethacrylate	69	10.528	10.528	(1.055)	2622819	10000.0	9000
54 Bromodichloromethane	83	10.823	10.823	(1.085)	722433	1000.00	1000(A)
55 2-chloroethyl vinyl ether	63	11.010	11.010	(1.104)	117468	1000.00	1000(A)
56 cis-1,3-Dichloropropene	75	11.236	11.236	(1.126)	865993	1000.00	1000
57 4-Methyl-2-pentanone	43	11.315	11.315	(0.873)	990520	2500.00	2500(A)
58 Toluene	92	11.591	11.591	(0.894)	1238718	1000.00	970
59 trans-1,3-Dichloropropene	75	11.778	11.778	(0.909)	771997	1000.00	990
60 1,1,2-Trichloroethane	97	11.994	11.994	(0.926)	407955	1000.00	970
61 Ethylmethacrylate	69	11.729	11.729	(0.905)	4764191	10000.0	8600
62 1,3-Dichloropropane	76	12.172	12.172	(0.939)	701942	1000.00	960

Data File: /chem/5972hp59.i/DG060324A59_w.b/GX060324A59.d
Report Date: 27-Mar-2006 03:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63	Tetrachloroethene	164	12.152	12.152	(0.938)	363921	1000.00	1000(A)
64	2-hexanone	43	12.132	12.132	(0.936)	690532	2500.00	2500(A)
65	Dibromochloromethane	129	12.428	12.428	(0.959)	491219	1000.00	1000(A)
66	1,2-Dibromoethane	107	12.575	12.575	(0.970)	465287	1000.00	990
67	Chlorobenzene	112	12.989	12.989	(1.002)	1301109	1000.00	970
69	1,1,1,2-Tetrachloroethane	131	13.038	13.038	(1.006)	452497	1000.00	980
70	Ethylbenzene	106	13.018	13.018	(1.005)	643443	1000.00	990
71	m,p-Xylene	106	13.107	13.107	(1.011)	1573430	2000.00	2000
72	m,p-Xylene (part of total)	106	13.107	13.107	(1.011)	1573430	2000.00	2000
73	o-Xylene	106	13.491	13.491	(1.041)	776821	1000.00	980
74	o-Xylene (part of total)	106	13.491	13.491	(1.041)	776821	1000.00	980
75	Styrene	104	13.501	13.501	(1.042)	1397185	1000.00	990
76	Bromoform	173	13.776	13.776	(1.063)	330733	1000.00	1000(A)
78	Isopropyl Benzene	105	13.786	13.786	(1.064)	2042453	1000.00	1100(A)
79	1,1,2,2-Tetrachloroethane	83	14.082	14.082	(0.936)	513014	1000.00	920
80	1,2,3-Trichloropropane	110	14.151	14.151	(1.092)	129491	1000.00	870
81	Bromobenzene	156	14.170	14.170	(1.093)	482595	1000.00	940
82	trans-1,4-dichloro-2-butene	53	14.111	14.111	(1.089)	4386038	4000.00	2500(A)
83	n-Propyl Benzene	91	14.151	14.151	(0.940)	3103820	1000.00	990
84	2-Chlorotoluene	126	14.298	14.298	(0.950)	455888	1000.00	1000(A)
85	4-Chlorotoluene	126	14.387	14.387	(0.956)	487543	1000.00	1100(A)
86	1,3,5-Trimethyl Benzene	105	14.278	14.278	(0.949)	1684626	1000.00	1100(A)
87	Pentachloroethane	167	14.702	14.702	(0.977)	269717	1000.00	1100(A)
88	tert-Butyl Benzene	119	14.594	14.594	(0.970)	1506519	1000.00	1100(A)
89	1,2,4-Trimethyl Benzene	105	14.633	14.633	(0.973)	1769817	1000.00	1100(A)
90	sec-Butyl Benzene	105	14.790	14.790	(0.983)	2236580	1000.00	1200(A)
91	1,3-Dichlorobenzene	146	14.997	14.997	(0.997)	953616	1000.00	1100(A)
92	p-Isopropyl Toluene	119	14.889	14.889	(0.990)	1703162	1000.00	1200(A)
93	1,4-Dichlorobenzene	146	15.066	15.066	(1.001)	951893	1000.00	1100(A)
94	1,2-Dichlorobenzene	146	15.450	15.450	(1.027)	862975	1000.00	1100(A)
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.283	15.283	(1.016)	1826933	1000.00	1000(A)
96	1,2-Dibromo-3-Chloropropane	157	16.247	16.247	(1.080)	102389	1000.00	1100(A)
97	1,2,4-Trichlorobenzene	180	17.134	17.134	(1.139)	627692	1000.00	1200(A)
98	Hexachlorobutadiene	225	17.242	17.242	(1.146)	309368	1000.00	1000(A)
99	Naphthalene	128	17.478	17.478	(1.162)	1330154	1000.00	1100(A)
100	1,2,3-Trichlorobenzene	180	17.783	17.783	(1.182)	563018	1000.00	1200(A)
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				1103896	2000.00	1800
M 102	Xylene (total)	106				2350251	3000.00	2900

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

COMPUCHEM a division of Liberty Analytical Corp DATE 3/24/06

GC/MS VOLATILE RUN LOG

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

INITIAL TIME OF TUNE 1529

TIME TUNE EXPIRES 0329

SHIFT/S(A) ✓ (B)____ (C)____

LINKER /METHOD 8260B S&W

PREVENTIVE MAINTENANCE retuned after 1st BFB

	FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1	BG060324A59	SF	—	—	3/24/06	1444	BFB	—	2uL	—	2473	176low
2	BG060324A59		—	—	/ /	1529	BFB	—		—		
3	GS060324A59		—	—	/ /	1553	VSTD005	—	10ml	—		
4	GT060324A59		—	—	/ /	1621	VSTD010	—		—		
5	GU060324A59		—	—	/ /	1649	VSTD020	—		—		ICAL
6	GV060324A59		—	—	/ /	1717	VSTD050	—		—		Passes
7	GW060324A59	IM	—	—	/ /	1745	VSTD100	—		—		
8	GX060324A59		—	—	/ /	1813	VSTD200	—		—		
9	GY060324A59		—	—	/ /	1840	VSTD100	—		—		
10	GC060324A59				/ /		VIBLKAC	—		—		
11					/ /							
12					/ /							
13					/ /							
14					/ /							
15					/ /							
16					/ /							
17					/ /							
18					/ /							
19					/ /							
20					/ /							
21					/ /							
22					/ /							
23					/ /							
24					/ /							

3-24-06

*On-column sample aliquot

+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature]

Date 3-24-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

b. Continuing Calibration Data (Form VII VOA)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Reconstructed Ion Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/29/06 Time: 2245

Lab File ID: GT060329B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.4275700	0.4363443	0.4363443	0.001	2.05	25.00	AVRG	
Chloromethane	0.3069100	0.3093806	0.3093806	0.1	0.80	25.00	AVRG	
Vinyl Chloride	0.2203800	0.2325789	0.2325789	0.001	5.54	20.00	AVRG	
Bromomethane	231.43872	250.00000	0.1877656	0.001	-7.42	25.00	2RDR	
Chloroethane	269.81056	250.00000	0.1233948	0.001	7.92	25.00	2RDR	
Trichlorofluoromethane	0.4572100	0.4450842	0.4450842	0.001	-2.65	25.00	AVRG	
1,1-Dichloroethene	0.2623400	0.2343199	0.2343199	0.001	-10.68	20.00	AVRG	
Carbon disulfide	0.9399600	0.9258440	0.9258440	0.001	-1.50	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3175988	0.3175988	0.001	10.45	25.00	AVRG	
Acetone	786.69340	625.00000	0.0720010	0.001	25.87	25.00	2RDR	<-
Methylene Chloride	0.2972500	0.2762988	0.2762988	0.001	-7.05	25.00	AVRG	
trans-1,2-Dichloroethene	0.2991000	0.2684507	0.2684507	0.001	-10.25	25.00	AVRG	
Methyl-tert-butyl ether	0.6731400	0.6428940	0.6428940	0.001	-4.49	25.00	AVRG	
1,1-Dichloroethane	0.5318900	0.5121469	0.5121469	0.1	-3.71	25.00	AVRG	
cis-1,2-Dichloroethene	0.3161300	0.2801452	0.2801452	0.001	-11.38	25.00	AVRG	
2-butanone	0.0924300	0.1089085	0.1089085	0.001	17.83	25.00	AVRG	
Chloroform	0.5259900	0.4927596	0.4927596	0.001	-6.32	20.00	AVRG	
1,1,1-Trichloroethane	0.4363600	0.4036140	0.4036140	0.001	-7.50	25.00	AVRG	
Carbon Tetrachloride	0.3421000	0.3243276	0.3243276	0.001	-5.20	25.00	AVRG	
Benzene	1.0496800	0.9980296	0.9980296	0.001	-4.92	25.00	AVRG	
1,2-Dichloroethane	0.3744300	0.3617405	0.3617405	0.001	-3.39	25.00	AVRG	
Trichloroethene	0.2715900	0.2300628	0.2300628	0.001	-15.29	25.00	AVRG	
1,2-Dichloropropane	0.2754500	0.2742471	0.2742471	0.001	-0.44	20.00	AVRG	
Bromodichloromethane	0.3712300	0.3442274	0.3442274	0.001	-7.27	25.00	AVRG	
cis-1,3-Dichloropropene	0.4471900	0.4270752	0.4270752	0.001	-4.50	25.00	AVRG	
4-Methyl-2-pentanone	0.2958300	0.3682539	0.3682539	0.001	24.48	25.00	AVRG	
Toluene	0.9698300	0.9403214	0.9403214	0.001	-3.04	20.00	AVRG	
trans-1,3-Dichloropropene	0.5916500	0.6006273	0.6006273	0.001	1.52	25.00	AVRG	
1,1,2-Trichloroethane	0.3195200	0.3021051	0.3021051	0.001	-5.45	25.00	AVRG	
Tetrachloroethene	0.2714000	0.2743435	0.2743435	0.001	1.08	25.00	AVRG	
2-hexanone	0.2080000	0.2597850	0.2597850	0.001	24.90	25.00	AVRG	
Dibromochloromethane	0.3656700	0.3263097	0.3263097	0.001	-10.76	25.00	AVRG	
1,2-Dibromoethane	0.3581000	0.3344393	0.3344393	0.001	-6.61	25.00	AVRG	
Chlorobenzene	1.0222400	0.9665348	0.9665348	0.3	-5.45	25.00	AVRG	
Ethylbenzene	0.4911400	0.5124563	0.5124563	0.001	4.34	20.00	AVRG	
Styrene	1.0685100	1.0320120	1.0320120	0.001	-3.42	25.00	AVRG	
Bromoform	0.2408400	0.2168693	0.2168693	0.1	-9.95	25.00	AVRG	
Isopropyl Benzene	1.4270900	1.6468870	1.6468870	0.001	15.40	25.00	AVRG	
1,1,2,2-Tetrachloroethane	0.9152100	0.9691306	0.9691306	0.3	5.89	25.00	AVRG	
1,3-Dichlorobenzene	1.4411300	1.4591264	1.4591264	0.001	1.25	25.00	AVRG	
1,4-Dichlorobenzene	1.4729500	1.5154073	1.5154073	0.001	2.88	25.00	AVRG	
1,2-Dichlorobenzene	1.3266200	1.3407529	1.3407529	0.001	1.06	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/29/06 Time: 2245

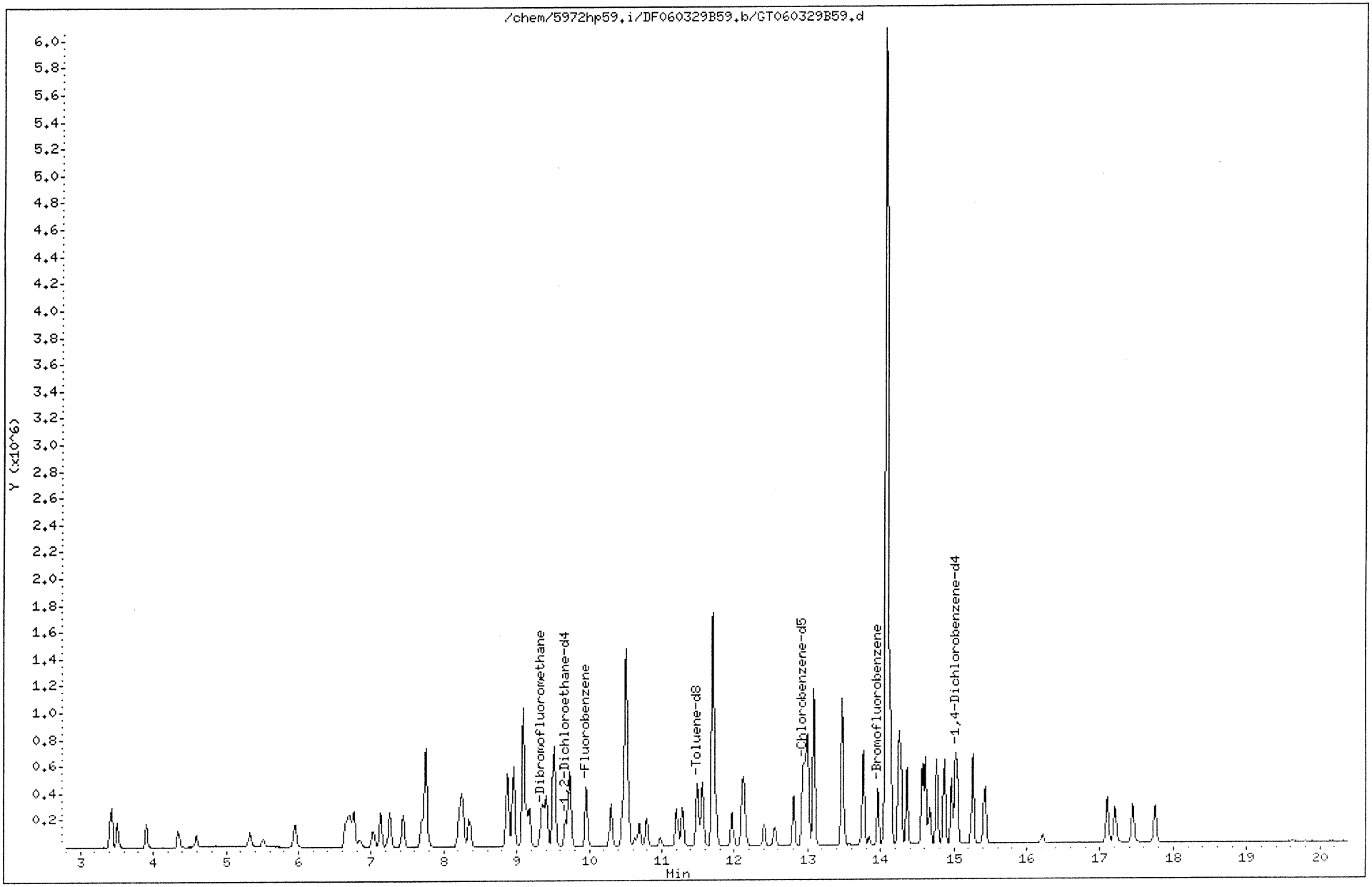
Lab File ID: GT060329B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1410163	0.1410163	0.001	-4.25	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	0.9749849	0.9749849	0.001	10.51	25.00	AVRG	
Xylene (total)	0.6076200	0.6345070	0.6345070	0.001	4.42	25.00	AVRG	
Methyl acetate	0.1551500	0.1749240	0.1749240	0.001	12.74	25.00	AVRG	
Cyclohexane	0.3443300	0.4715500	0.4715500	0.001	36.95	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4173363	0.4173363	0.001	45.24	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2802359	0.2802359	0.001	-13.19	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3083538	0.3083538	0.001	-8.83	25.00	AVRG	
Toluene-d8	1.4987000	1.3842530	1.3842530	0.001	-7.64	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.2034565	1.2034565	0.001	-8.83	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Date : 29-MAR-2006 22:45
Client ID: VSTD050
Instrument: 5972hp59.i
Sample Info: VSTD050:2481
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 29-MAR-2006 22:45
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.955	9.955	(1.000)	540509	250.000	
*	2 Chlorobenzene-d5	117	12.938	12.938	(1.000)	347495	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.026	15.026	(1.000)	163981	250.000	
$	4 Dibromofluoromethane	113	9.335	9.335	(0.938)	151470	250.000	220
$	5 1,2-Dichloroethane-d4	65	9.670	9.670	(0.971)	166668	250.000	230
$	6 Toluene-d8	98	11.491	11.491	(0.888)	481021	250.000	230
$	7 Bromofluorobenzene	95	13.962	13.962	(0.929)	197344	250.000	230
	8 Dichlorodifluoromethane	85	3.911	3.911	(0.393)	235848	250.000	260
	9 Chloromethane	50	4.344	4.344	(0.436)	167223	250.000	250
	10 Vinyl Chloride	62	4.590	4.590	(0.461)	125711	250.000	260
	11 Bromomethane	94	5.328	5.328	(0.535)	101489	250.000	230
	12 Chloroethane	64	5.515	5.515	(0.554)	66696	250.000	270
	13 Trichlorofluoromethane	101	5.948	5.948	(0.598)	240572	250.000	240
	14 Acrolein	56	6.647	6.647	(0.668)	140383	2500.00	1900
	15 1,1-Dichloroethene	96	6.766	6.766	(0.680)	126652	250.000	220
	16 1,1,1-trichloro-2,2,2-trifluo	117	6.677	6.677	(0.671)	66146	250.000	280

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.844	6.844	(0.688)	97293	625.000	790
18 Iodomethane	142	7.031	7.031	(0.706)	178720	250.000	210
19 1,1,2-trichloro-1,2,2-trifluo	101	6.707	6.707	(0.674)	171665	250.000	280
20 Carbon disulfide	76	7.130	7.130	(0.716)	500427	250.000	250
21 3-Chloropropene	76	7.258	7.258	(0.729)	76842	250.000	250
22 Acetonitrile	41	7.258	7.258	(0.729)	210561	250.000	260
23 Methyl acetate	43	7.248	7.248	(0.728)	94548	250.000	280
24 Methylene Chloride	84	7.435	7.435	(0.747)	149342	250.000	230
25 Acrylonitrile	53	7.750	7.750	(0.778)	481028	2500.00	3000
26 trans-1,2-Dichloroethene	96	7.770	7.770	(0.780)	145100	250.000	220
27 trans-1,2-DCE (part of total)	96	7.770	7.770	(0.780)	145100	250.000	220
28 Methyl-tert-butyl ether	73	7.701	7.701	(0.774)	347490	250.000	240
29 1,1-Dichloroethane	63	8.262	8.262	(0.830)	276820	250.000	240
30 Chloroprene	53	8.351	8.351	(0.839)	195886	250.000	230
31 Vinyl acetate	43	8.242	8.242	(0.828)	497638	250.000	280
32 Isopropyl ether	45	8.213	8.213	(0.825)	465715	250.000	260
33 cis-1,2-Dichloroethene	96	8.882	8.882	(0.892)	151421	250.000	220
34 cis-1,2-DCE (part of total)	96	8.882	8.882	(0.892)	151421	250.000	220
35 2,2-Dichloropropane	77	8.872	8.872	(0.891)	229912	250.000	240
36 Propionitrile	54	8.951	8.951	(0.899)	741707	12500.0	13000
37 2-butanone	43	8.853	8.853	(0.889)	147165	625.000	740
38 Methacrylonitrile	41	9.089	9.089	(0.913)	649042	2500.00	2600
39 Bromochloromethane	128	9.138	9.138	(0.918)	63463	250.000	220
40 Chloroform	83	9.178	9.178	(0.922)	266341	250.000	230
41 1,1,1-Trichloroethane	97	9.365	9.365	(0.941)	218157	250.000	230
42 Cyclohexane	56	9.414	9.414	(0.946)	254877	250.000	340
43 1,1-dichloropropene	75	9.502	9.502	(0.954)	209148	250.000	250
44 Carbon Tetrachloride	117	9.522	9.522	(0.956)	175302	250.000	240
45 1,2-Dichloroethane	62	9.739	9.739	(0.978)	195524	250.000	240
46 Isobutyl alcohol	43	9.512	9.512	(0.955)	228066	12500.0	13000
47 Benzene	78	9.729	9.729	(0.977)	539444	250.000	240
48 Trichloroethene	130	10.300	10.300	(1.035)	124351	250.000	210
49 Methylcyclohexane	83	10.477	10.477	(1.052)	225574	250.000	360
50 1,2-Dichloropropane	63	10.536	10.536	(1.058)	148233	250.000	250
51 Dibromomethane	174	10.694	10.694	(1.074)	72933	250.000	210
52 1,4-dioxane	88	10.635	10.635	(1.068)	55527	12500.0	12000
53 Methylmethacrylate	69	10.507	10.507	(1.055)	825939	2500.00	2500
54 Bromodichloromethane	83	10.792	10.792	(1.084)	186058	250.000	230
55 2-chloroethyl vinyl ether	63	10.989	10.989	(1.104)	34658	250.000	270
56 cis-1,3-Dichloropropene	75	11.206	11.206	(1.126)	230838	250.000	240
57 4-Methyl-2-pentanone	43	11.284	11.284	(0.872)	319916	625.000	780
58 Toluene	92	11.560	11.560	(0.893)	326757	250.000	240
59 trans-1,3-Dichloropropene	75	11.757	11.757	(0.909)	208715	250.000	250
60 1,1,2-Trichloroethane	97	11.974	11.974	(0.925)	104980	250.000	240
61 Ethylmethacrylate	69	11.708	11.708	(0.905)	1496730	2500.00	2600
62 1,3-Dichloropropane	76	12.141	12.141	(0.938)	195018	250.000	250
63 Tetrachloroethene	164	12.121	12.121	(0.937)	95333	250.000	250

Data File: /chem/5972hp59.i/DF060329B59.b/GT060329B59.d
Report Date: 30-Mar-2006 03:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64	2-hexanone	43	12.102	12.102	(0.935)	225685	625.000	780
65	Dibromochloromethane	129	12.407	12.407	(0.959)	113391	250.000	220
66	1,2-Dibromoethane	107	12.554	12.554	(0.970)	116216	250.000	230
67	Chlorobenzene	112	12.968	12.968	(1.002)	335866	250.000	240
69	1,1,1,2-Tetrachloroethane	131	13.007	13.007	(1.005)	110949	250.000	230
70	Ethylbenzene	106	12.988	12.988	(1.004)	178076	250.000	260
71	m,p-Xylene	106	13.086	13.086	(1.011)	446553	500.000	530
72	m,p-Xylene (part of total)	106	13.086	13.086	(1.011)	446553	500.000	530
73	o-Xylene	106	13.470	13.470	(1.041)	214911	250.000	260
74	o-Xylene (part of total)	106	13.470	13.470	(1.041)	214911	250.000	260
75	Styrene	104	13.480	13.480	(1.042)	358619	250.000	240
76	Bromoform	173	13.746	13.746	(1.062)	75361	250.000	230
78	Isopropyl Benzene	105	13.765	13.765	(1.064)	572285	250.000	290
79	1,1,2,2-Tetrachloroethane	83	14.051	14.051	(0.935)	158919	250.000	260
80	1,2,3-Trichloropropane	110	14.130	14.130	(1.092)	38831	250.000	250
81	Bromobenzene	156	14.149	14.149	(1.094)	123174	250.000	230
82	trans-1,4-dichloro-2-butene	53	14.080	14.080	(1.088)	1752779	1000.00	960
83	n-Propyl Benzene	91	14.130	14.130	(0.940)	818698	250.000	230
84	2-Chlorotoluene	126	14.277	14.277	(0.950)	122208	250.000	260
85	4-Chlorotoluene	126	14.366	14.366	(0.956)	128321	250.000	260
86	1,3,5-Trimethyl Benzene	105	14.248	14.248	(0.948)	477102	250.000	290
87	Pentachloroethane	167	14.671	14.671	(0.976)	60934	250.000	230
88	tert-Butyl Benzene	119	14.573	14.573	(0.970)	423628	250.000	300
89	1,2,4-Trimethyl Benzene	105	14.612	14.612	(0.972)	488798	250.000	280
90	sec-Butyl Benzene	105	14.770	14.770	(0.983)	644240	250.000	320
91	1,3-Dichlorobenzene	146	14.966	14.966	(0.996)	239269	250.000	250
92	p-Isopropyl Toluene	119	14.868	14.868	(0.990)	476927	250.000	300
93	1,4-Dichlorobenzene	146	15.045	15.045	(1.001)	248498	250.000	260
94	1,2-Dichlorobenzene	146	15.429	15.429	(1.027)	219858	250.000	250
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.262	15.262	(1.016)	538350	250.000	320
96	1,2-Dibromo-3-Chloropropane	157	16.217	16.217	(1.079)	23124	250.000	240
97	1,2,4-Trichlorobenzene	180	17.103	17.103	(1.138)	159879	250.000	280
98	Hexachlorobutadiene	225	17.201	17.201	(1.145)	88296	250.000	320
99	Naphthalene	128	17.447	17.447	(1.161)	348221	250.000	270
100	1,2,3-Trichlorobenzene	180	17.753	17.753	(1.181)	143774	250.000	280
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				296521	500.000	450
M 102	Xylene (total)	106				661464	750.000	780

COMPUCHEM a division of Liberty Analytical Corp DATE 3/29/06 INITIAL TIME OF TUNE 2147 SHIFT/S(A)_____(B) X (C)_____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 947 LINKER /METHOD W8260B 5ml

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE

	FILE NAME	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1	BF06B29B59	—	—	3/29/06	2147	BFB	—	2ml	—	2481	LCD → SVD
2	GS06B29B59	—	—		2201	VSTD050	—	10ml	—		
3	GT06B29B59	—	—		2245	VSTD050	—		—		
4	97865B59	—	—		2326	VBLKNP	various	5ml	—		
5	97868B59	—	—	3/30/06	053	VNPLCS					
6	939911D3B59		T. Bag		0111	G~~Z~~I	9399	20ml	250		
7	12D2B59				0140	H		8ml	625		
8	04D2B59				0208	B2		100ml	50		
9	97871B59	1	1		0237	ACSGWMW30-27MS	9433	5ml	1		
10	97872B59	1	1		0306	MSD					
11	943312	1	1		0334	ACSGW MW55-27					
12	13	1	1		0403	MW54R-27					
13	14	1	1		0431	MW32-27					
14	15	1	1		0500	MW31-27					
15	16	1	1		0529	EB03-27					
16	945601B59	1	1		0557	ACSGWTB05-27	9456	5ml			
17	07	1	1		0626	MW24-27					
18	03	1	1		0654	MW49-27					
19	04	1	1		0723	MW48-27					
20	05	1	1		0752	DUP0427					
21	06	1	1		0820	MW11-27					
22	07	1	1		0849	MW10C27					Benzene 2362ng
23	08	1	1		0917	MW08-27					
24	09	1	1		0946	MW23-27					

*On-column sample aliquot

+Not applicable to soil matrix

SUPERVISOR APPROVAL Joan Ockerlander Date 3-30-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/30/06 Time: 1140

Lab File ID: GT060330A59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.4275700	0.4588050	0.4588050	0.001	7.30	25.00	AVRG	
Chloromethane	0.3069100	0.3463020	0.3463020	0.1	12.84	25.00	AVRG	
Vinyl Chloride	0.2203800	0.2521853	0.2521853	0.001	14.43	20.00	AVRG	
Bromomethane	238.45093	250.00000	0.1930975	0.001	-4.62	25.00	2RDR	
Chloroethane	288.76023	250.00000	0.1314912	0.001	15.50	25.00	2RDR	
Trichlorofluoromethane	0.4572100	0.4836445	0.4836445	0.001	5.78	25.00	AVRG	
1,1-Dichloroethene	0.2623400	0.2762125	0.2762125	0.001	5.29	20.00	AVRG	
Carbon disulfide	0.9399600	1.0282300	1.0282300	0.001	9.39	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3356757	0.3356757	0.001	16.73	25.00	AVRG	
Acetone	539.86372	625.00000	0.0503656	0.001	-13.62	25.00	2RDR	
Methylene Chloride	0.2972500	0.3223781	0.3223781	0.001	8.45	25.00	AVRG	
trans-1,2-Dichloroethene	0.2991000	0.3220126	0.3220126	0.001	7.66	25.00	AVRG	
Methyl-tert-butyl ether	0.6731400	0.6770638	0.6770638	0.001	0.58	25.00	AVRG	
1,1-Dichloroethane	0.5318900	0.5808398	0.5808398	0.1	9.20	25.00	AVRG	
cis-1,2-Dichloroethene	0.3161300	0.3355506	0.3355506	0.001	6.14	25.00	AVRG	
2-butanone	0.0924300	0.0766280	0.0766280	0.001	-17.10	25.00	AVRG	
Chloroform	0.5259900	0.5667317	0.5667317	0.001	7.74	20.00	AVRG	
1,1,1-Trichloroethane	0.4363600	0.4703051	0.4703051	0.001	7.78	25.00	AVRG	
Carbon Tetrachloride	0.3421000	0.3851841	0.3851841	0.001	12.59	25.00	AVRG	
Benzene	1.0496800	1.1829956	1.1829956	0.001	12.70	25.00	AVRG	
1,2-Dichloroethane	0.3744300	0.3826437	0.3826437	0.001	2.19	25.00	AVRG	
Trichloroethene	0.2715900	0.3012626	0.3012626	0.001	10.92	25.00	AVRG	
1,2-Dichloropropane	0.2754500	0.3071438	0.3071438	0.001	11.51	20.00	AVRG	
Bromodichloromethane	0.3712300	0.3907216	0.3907216	0.001	5.25	25.00	AVRG	
cis-1,3-Dichloropropene	0.4471900	0.4803256	0.4803256	0.001	7.41	25.00	AVRG	
4-Methyl-2-pentanone	0.2958300	0.2542423	0.2542423	0.001	-14.06	25.00	AVRG	
Toluene	0.9698300	1.0684040	1.0684040	0.001	10.16	20.00	AVRG	
trans-1,3-Dichloropropene	0.5916500	0.6166632	0.6166632	0.001	4.23	25.00	AVRG	
1,1,2-Trichloroethane	0.3195200	0.3167295	0.3167295	0.001	-0.87	25.00	AVRG	
Tetrachloroethene	0.2714000	0.3394942	0.3394942	0.001	25.09	25.00	AVRG	<-
2-hexanone	0.2080000	0.1744166	0.1744166	0.001	-16.14	25.00	AVRG	
Dibromochloromethane	0.3656700	0.3683609	0.3683609	0.001	0.74	25.00	AVRG	
1,2-Dibromoethane	0.3581000	0.3622531	0.3622531	0.001	1.16	25.00	AVRG	
Chlorobenzene	1.0222400	1.1415560	1.1415560	0.3	11.67	25.00	AVRG	
Ethylbenzene	0.4911400	0.5839600	0.5839600	0.001	18.90	20.00	AVRG	
Styrene	1.0685100	1.1826065	1.1826065	0.001	10.68	25.00	AVRG	
Bromoform	0.2408400	0.2433924	0.2433924	0.1	1.06	25.00	AVRG	
Isopropyl Benzene	1.4270900	1.8431094	1.8431094	0.001	29.15	25.00	AVRG	<-
1,1,2,2-Tetrachloroethane	0.9152100	0.9497236	0.9497236	0.3	3.77	25.00	AVRG	
1,3-Dichlorobenzene	1.4411300	1.7684724	1.7684724	0.001	22.71	25.00	AVRG	
1,4-Dichlorobenzene	1.4729500	1.7954836	1.7954836	0.001	21.90	25.00	AVRG	
1,2-Dichlorobenzene	1.3266200	1.5481208	1.5481208	0.001	16.70	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/30/06 Time: 1140

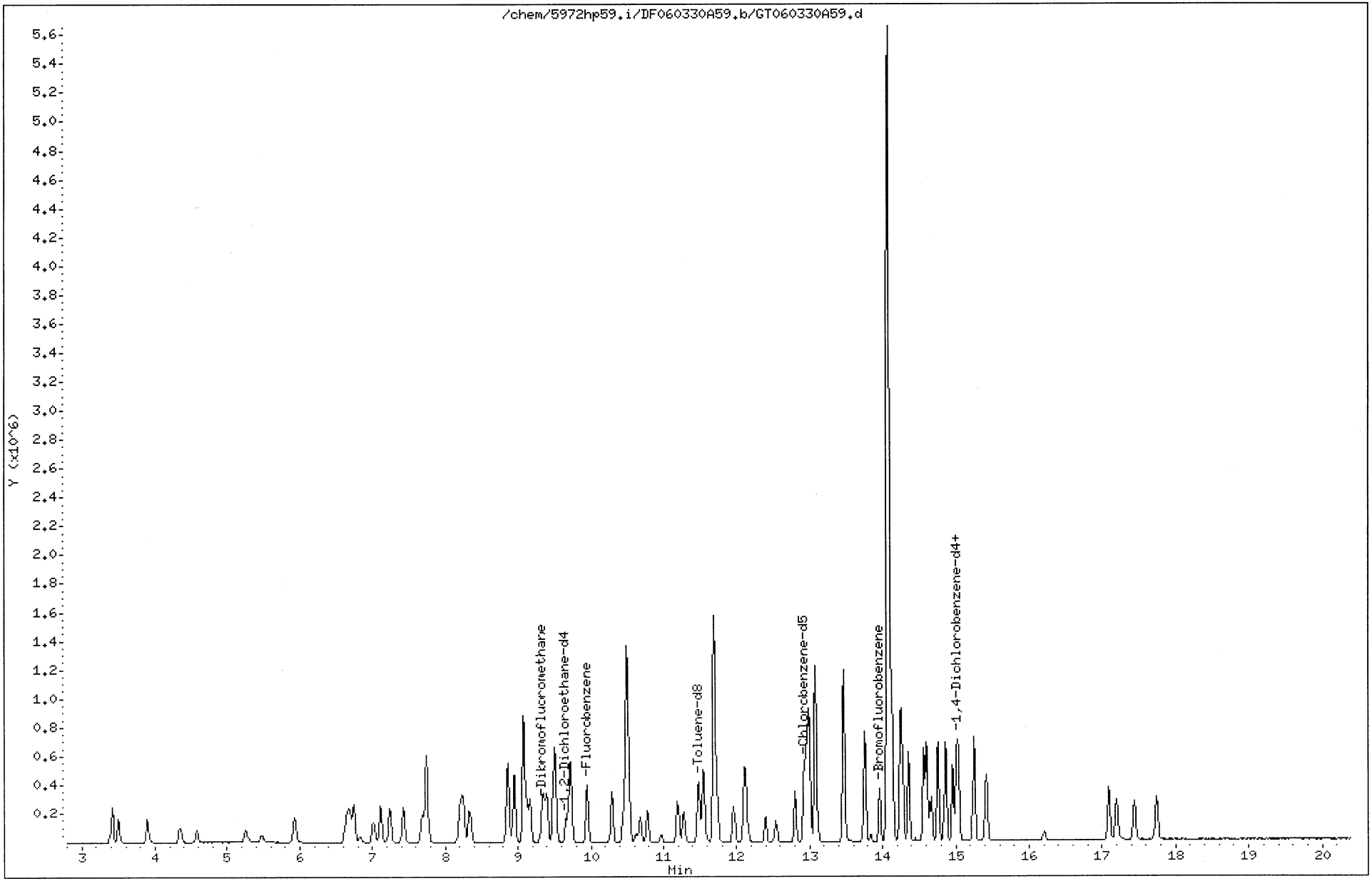
Lab File ID: GT060330A59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1373610	0.1373610	0.001	-6.73	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	1.1512456	1.1512456	0.001	30.49	25.00	AVRG	<-
Xylene (total)	0.6076200	0.7280544	0.7280544	0.001	19.82	25.00	AVRG	
Methyl acetate	0.1551500	0.1440659	0.1440659	0.001	-7.14	25.00	AVRG	
Cyclohexane	0.3443300	0.4308649	0.4308649	0.001	25.13	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4161749	0.4161749	0.001	44.84	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2814323	0.2814323	0.001	-12.82	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.2675864	0.2675864	0.001	-20.89	25.00	AVRG	
Toluene-d8	1.4987000	1.3103381	1.3103381	0.001	-12.57	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.1448469	1.1448469	0.001	-13.27	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060330A59.b/GT060330A59.d
Date : 30-MAR-2006 11:40
Client ID: VSTD050 Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0 Operator: 2473
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330A59.b/GT060330A59.d
Report Date: 30-Mar-2006 23:19

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/GT060330A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 30-MAR-2006 11:40
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.947	9.947	(1.000)	503471	250.000	
* 2 Chlorobenzene-d5	117	12.930	12.930	(1.000)	345623	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.017	15.017	(1.000)	160970	250.000	
$ 4 Dibromofluoromethane	113	9.327	9.327	(0.938)	141693	250.000	220
$ 5 1,2-Dichloroethane-d4	65	9.662	9.662	(0.971)	134722	250.000	200
$ 6 Toluene-d8	98	11.483	11.483	(0.888)	452883	250.000	220
$ 7 Bromofluorobenzene	95	13.954	13.954	(0.929)	184286	250.000	220
8 Dichlorodifluoromethane	85	3.892	3.892	(0.391)	230995	250.000	270
9 Chloromethane	50	4.335	4.335	(0.436)	174353	250.000	280
10 Vinyl Chloride	62	4.582	4.582	(0.461)	126968	250.000	290
11 Bromomethane	94	5.261	5.261	(0.529)	97219	250.000	240
12 Chloroethane	64	5.478	5.478	(0.551)	66202	250.000	290
13 Trichlorofluoromethane	101	5.930	5.930	(0.596)	243501	250.000	260
14 Acrolein	56	6.629	6.629	(0.666)	94380	2500.00	1400
15 1,1-Dichloroethene	96	6.748	6.748	(0.678)	139065	250.000	260
16 1,1,1-trichloro-2,2,2-trifluo	117	6.669	6.669	(0.670)	68230	250.000	310

4/33/1

Data File: /chem/5972hp59.i/DF060330A59.b/GT060330A59.d
Report Date: 30-Mar-2006 23:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17	Acetone	43	6.836	6.836	(0.687)	63394	625.000	540
18	Iodomethane	142	7.013	7.013	(0.705)	220566	250.000	280
19	1,1,2-trichloro-1,2,2-trifluo	101	6.688	6.688	(0.672)	169003	250.000	290
20	Carbon disulfide	76	7.112	7.112	(0.715)	517684	250.000	270
21	3-Chloropropene	76	7.240	7.240	(0.728)	86117	250.000	300
22	Acetonitrile	41	7.240	7.240	(0.728)	202191	250.000	270
23	Methyl acetate	43	7.240	7.240	(0.728)	72533	250.000	230
24	Methylene Chloride	84	7.427	7.427	(0.747)	162308	250.000	270
25	Acrylonitrile	53	7.742	7.742	(0.778)	340454	2500.00	2300
26	trans-1,2-Dichloroethene	96	7.752	7.752	(0.779)	162124	250.000	270
27	trans-1,2-DCE (part of total)	96	7.752	7.752	(0.779)	162124	250.000	270
28	Methyl-tert-butyl ether	73	7.693	7.693	(0.773)	340882	250.000	250
29	1,1-Dichloroethane	63	8.254	8.254	(0.830)	292436	250.000	270
30	Chloroprene	53	8.333	8.333	(0.838)	195736	250.000	250
31	Vinyl acetate	43	8.224	8.224	(0.827)	394182	250.000	240
32	Isopropyl ether	45	8.205	8.205	(0.825)	428782	250.000	250
33	cis-1,2-Dichloroethene	96	8.874	8.874	(0.892)	168940	250.000	270
34	cis-1,2-DCE (part of total)	96	8.874	8.874	(0.892)	168940	250.000	270
35	2,2-Dichloropropane	77	8.854	8.854	(0.890)	244077	250.000	280
36	Propionitrile	54	8.953	8.953	(0.900)	624442	12500.0	12000
37	2-butanone	43	8.844	8.844	(0.889)	96450	625.000	520
38	Methacrylonitrile	41	9.081	9.081	(0.913)	547771	2500.00	2300
39	Bromochloromethane	128	9.130	9.130	(0.918)	72311	250.000	270
40	Chloroform	83	9.169	9.169	(0.922)	285333	250.000	270
41	1,1,1-Trichloroethane	97	9.356	9.356	(0.941)	236785	250.000	270
42	Cyclohexane	56	9.396	9.396	(0.945)	216928	250.000	310
43	1,1-dichloropropene	75	9.494	9.494	(0.954)	220285	250.000	290
44	Carbon Tetrachloride	117	9.504	9.504	(0.955)	193929	250.000	280
45	1,2-Dichloroethane	62	9.731	9.731	(0.978)	192650	250.000	260
46	Isobutyl alcohol	43	9.514	9.514	(0.956)	170551	12500.0	11000
47	Benzene	78	9.711	9.711	(0.976)	595604	250.000	280
48	Trichloroethene	130	10.292	10.292	(1.035)	151677	250.000	280
49	Methylcyclohexane	83	10.459	10.459	(1.051)	209532	250.000	360
50	1,2-Dichloropropane	63	10.528	10.528	(1.058)	154638	250.000	280
51	Dibromomethane	174	10.685	10.685	(1.074)	83364	250.000	260
52	1,4-dioxane	88	10.626	10.626	(1.068)	52033	12500.0	12000
53	Methylmethacrylate	69	10.498	10.498	(1.055)	792051	2500.00	2600
54	Bromodichloromethane	83	10.784	10.784	(1.084)	196717	250.000	260
55	2-chloroethyl vinyl ether	63	10.981	10.981	(1.104)	32865	250.000	270
56	cis-1,3-Dichloropropene	75	11.197	11.197	(1.126)	241830	250.000	270
57	4-Methyl-2-pentanone	43	11.276	11.276	(0.872)	219680	625.000	540
58	Toluene	92	11.552	11.552	(0.893)	369265	250.000	280
59	trans-1,3-Dichloropropene	75	11.749	11.749	(0.909)	213133	250.000	260
60	1,1,2-Trichloroethane	97	11.965	11.965	(0.925)	109469	250.000	250
61	Ethylmethacrylate	69	11.700	11.700	(0.905)	1478856	2500.00	2600
62	1,3-Dichloropropane	76	12.133	12.133	(0.938)	199402	250.000	260
63	Tetrachloroethene	164	12.113	12.113	(0.937)	117337	250.000	310

Data File: /chem/5972hp59.i/DF060330A59.b/GT060330A59.d
Report Date: 30-Mar-2006 23:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64	2-hexanone	43	12.093	12.093	(0.935)	150706	625.000	520
65	Dibromochloromethane	129	12.399	12.399	(0.959)	127314	250.000	250
66	1,2-Dibromoethane	107	12.546	12.546	(0.970)	125203	250.000	250
67	Chlorobenzene	112	12.960	12.960	(1.002)	394548	250.000	280
69	1,1,1,2-Tetrachloroethane	131	13.009	13.009	(1.006)	134685	250.000	280
70	Ethylbenzene	106	12.989	12.989	(1.005)	201830	250.000	300
71	m,p-Xylene	106	13.078	13.078	(1.011)	510601	500.000	610
72	m,p-Xylene (part of total)	106	13.078	13.078	(1.011)	510601	500.000	610
73	o-Xylene	106	13.472	13.472	(1.042)	244296	250.000	290
74	o-Xylene (part of total)	106	13.472	13.472	(1.042)	244296	250.000	290
75	Styrene	104	13.481	13.481	(1.043)	408736	250.000	280
76	Bromoform	173	13.737	13.737	(1.062)	84122	250.000	250
78	Isopropyl Benzene	105	13.757	13.757	(1.064)	637021	250.000	320
79	1,1,2,2-Tetrachloroethane	83	14.052	14.052	(0.936)	152877	250.000	260
80	1,2,3-Trichloropropane	110	14.121	14.121	(1.092)	40418	250.000	260
81	Bromobenzene	156	14.141	14.141	(1.094)	150247	250.000	280
82	trans-1,4-dichloro-2-butene	53	14.082	14.082	(1.089)	1536934	1000.00	850
83	n-Propyl Benzene	91	14.121	14.121	(0.940)	911658	250.000	260
84	2-Chlorotoluene	126	14.269	14.269	(0.950)	145455	250.000	320
85	4-Chlorotoluene	126	14.358	14.358	(0.956)	149571	250.000	310
86	1,3,5-Trimethyl Benzene	105	14.249	14.249	(0.949)	540414	250.000	340
87	Pentachloroethane	167	14.663	14.663	(0.976)	73468	250.000	280
88	tert-Butyl Benzene	119	14.564	14.564	(0.970)	481524	250.000	350
89	1,2,4-Trimethyl Benzene	105	14.604	14.604	(0.972)	551789	250.000	330
90	sec-Butyl Benzene	105	14.761	14.761	(0.983)	705511	250.000	350
91	1,3-Dichlorobenzene	146	14.958	14.958	(0.996)	284671	250.000	310
92	p-Isopropyl Toluene	119	14.860	14.860	(0.990)	550117	250.000	360
93	1,4-Dichlorobenzene	146	15.037	15.037	(1.001)	289019	250.000	300
94	1,2-Dichlorobenzene	146	15.421	15.421	(1.027)	249201	250.000	290
170	Hexachloroethane	117	Compound Not Detected.					
95	n-Butyl Benzene	91	15.254	15.254	(1.016)	567430	250.000	340
96	1,2-Dibromo-3-Chloropropane	157	16.209	16.209	(1.079)	22111	250.000	230
97	1,2,4-Trichlorobenzene	180	17.095	17.095	(1.138)	185316	250.000	330
98	Hexachlorobutadiene	225	17.203	17.203	(1.146)	98348	250.000	360
99	Naphthalene	128	17.449	17.449	(1.162)	355978	250.000	280
100	1,2,3-Trichlorobenzene	180	17.744	17.744	(1.182)	162391	250.000	320
171	2-Methyl Naphthalene	142	Compound Not Detected.					
M 101	1,2-Dichloroethene (total)	96				331064	500.000	530
M 102	Xylene (total)	106				754897	750.000	900

COMPUCHEM a division of Liberty Analytical Corp DATE 3/30/06

GC/MS VOLATILE RUN LOG

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

INITIAL TIME OF TUNE 1035 SHIFT/S(A) ✓ (B)____ (C)____

TIME TUNE EXPIRES 2235 LINKER /METHOD 8260B S & W 5 ppb

PREVENTIVE MAINTENANCE Repeller 23.02 → 23.52 Ent off 12.80 → 13.30

	REJECTED	FILE NAME	REPORTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1	\	BF06330A59	OT	—	—	3/30/06		BFB	—	2uL	—	2473	50 much higher than ICAL
2		BF06330A59	\	—	—	/ /	1035	~~VS~~ BFB	—	↓	—		retuned LCD=SCD
3	\	GS06330A59	SF	—	—	/ /	1059	VSTD050	—	10ml	—		
4		GT06330A59	\	—	—	/ /	1140	VSTD050	—	↓	—		
5		97700A59	\	—	—	/ /	1219	VBLKMB	VARIOUS	5.0g / 10ml	—		
6		98162A59	\	—	—	/ /	1248	VBLKPV	↓	10ml	—		
7		97723A59	\	—	—	/ /	1316	VMBLCS	↓	5.0g / 10ml	—		DC289 Passes EPA Spike & GZA06012 TCLACT +MTBE
8		97726A59	\	—	—	/ /	1345	VMBLCSD	↓	↓	—		Passes EPA Spike
9	\	98165A59	\	VS —	—	/ /	1413	VPVLCS	↓	10ml	—		↓
10		943605RA59	\	—	2	/ /	1442	SB-5	9436	6.03	—		
11		940420A59	\	—	1	/ /	1511	SIDE 11	9404	6.10	—		
12	\	GB06330A59	CS	—	—	/ /	1545	VIBLKAB	—	5ml	—		
13	\	945607DA59	DW			/ /	1614	ACSGWMW10C27	9456	1.25ml	4		
14		945610A59	\		2	/ /	1642	ACSGWEB04-27	↓	5ml	—		
15		98165RA59	\	—	—	/ /	1711	VPVLCS	—	10ml	—		DC289 Passes EPA Spike & TCLP
16		97828A59	\		T. Bag	/ /	1739	ZHEBLKSP	9380	1ml	5		
17		944601A59	/	—	—	/ /	1808	SB26-12	9446	5.0g	—		
18		944602A59	/	—	—	/ /	1836	SB31-4	↓	↓	—		
19		944603A59	/	—	—	/ /	1905	SB23-12	↓	↓	—		
20		944604A59	/	—	—	/ /	1933	SB20-12	↓	↓	—		
21		944605A59	/	—	—	/ /	2002	SB29-12	↓	↓	—		
22		944606A59	/	—	—	/ /	2031	SB16-4	↓	↓	—		
23		944607A59	/	—	—	/ /	2059	SB36-4	↓	↓	—		
24		944608A59	/	—	—	/ /	2128	SB35-4	↓	↓	—		

*On-column sample aliquot

+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature]

Date 3-30-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

COMPUCHEM a division of Liberty Analytical Corp DATE 3/30/06 INITIAL TIME OF TUNE 1035 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2235 LINKER /METHOD 8260B S&W 5ppb

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE retuned

	RELEASED	FILE NAME	REPORTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		944609A59	/	—	—	3/30/06	1456	SB6-8	9446	5.0g	—	2473	LCD=SCD
2		944610A59	/	—	—	/ ↓	1725	SB4-12	↓	↓	—	↓	
3						/ /							
4						/ /							
5						/ /							
6						/ /							
7						/ /							
8						/ /							
9						/ /							
10						/ /							
11						/ /							
12						/ /							
13						/ /							
14						/ /							
15						/ /							
16						/ /							
17						/ /							
18						/ /							
19						/ /							
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

3-30-06

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL _____ Date 3-30-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC288

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/30/06 Time: 2315

Lab File ID: GS060330B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.4275700	0.4166745	0.4166745	0.001	-2.55	25.00	AVRG
Chloromethane	0.3069100	0.3141664	0.3141664	0.1	2.36	25.00	AVRG
Vinyl Chloride	0.2203800	0.2414210	0.2414210	0.001	9.55	20.00	AVRG
Bromomethane	230.54480	250.00000	0.1870854	0.001	-7.78	25.00	2RDR
Chloroethane	285.62594	250.00000	0.1301548	0.001	14.25	25.00	2RDR
Trichlorofluoromethane	0.4572100	0.4331686	0.4331686	0.001	-5.26	25.00	AVRG
1,1-Dichloroethene	0.2623400	0.2352286	0.2352286	0.001	-10.33	20.00	AVRG
Carbon disulfide	0.9399600	0.9237175	0.9237175	0.001	-1.73	25.00	AVRG
1,1,2-trichloro-1,2,2-triflu	0.2875600	0.3071914	0.3071914	0.001	6.83	25.00	AVRG
Acetone	744.84397	625.00000	0.0683315	0.001	19.18	25.00	2RDR
Methylene Chloride	0.2972500	0.2927743	0.2927743	0.001	-1.50	25.00	AVRG
trans-1,2-Dichloroethene	0.2991000	0.2716432	0.2716432	0.001	-9.18	25.00	AVRG
Methyl-tert-butyl ether	0.6731400	0.6683408	0.6683408	0.001	-0.71	25.00	AVRG
1,1-Dichloroethane	0.5318900	0.5407595	0.5407595	0.1	1.67	25.00	AVRG
cis-1,2-Dichloroethene	0.3161300	0.2956846	0.2956846	0.001	-6.47	25.00	AVRG
2-butanone	0.0924300	0.1075562	0.1075562	0.001	16.36	25.00	AVRG
Chloroform	0.5259900	0.5095835	0.5095835	0.001	-3.12	20.00	AVRG
1,1,1-Trichloroethane	0.4363600	0.4052844	0.4052844	0.001	-7.12	25.00	AVRG
Carbon Tetrachloride	0.3421000	0.3330121	0.3330121	0.001	-2.66	25.00	AVRG
Benzene	1.0496800	1.0460856	1.0460856	0.001	-0.34	25.00	AVRG
1,2-Dichloroethane	0.3744300	0.3749260	0.3749260	0.001	0.13	25.00	AVRG
Trichloroethene	0.2715900	0.2409343	0.2409343	0.001	-11.29	25.00	AVRG
1,2-Dichloropropane	0.2754500	0.3030937	0.3030937	0.001	10.04	20.00	AVRG
Bromodichloromethane	0.3712300	0.3538494	0.3538494	0.001	-4.68	25.00	AVRG
cis-1,3-Dichloropropene	0.4471900	0.4312356	0.4312356	0.001	-3.57	25.00	AVRG
4-Methyl-2-pentanone	0.2958300	0.3424579	0.3424579	0.001	15.76	25.00	AVRG
Toluene	0.9698300	0.9108168	0.9108168	0.001	-6.08	20.00	AVRG
trans-1,3-Dichloropropene	0.5916500	0.5643708	0.5643708	0.001	-4.61	25.00	AVRG
1,1,2-Trichloroethane	0.3195200	0.3040231	0.3040231	0.001	-4.85	25.00	AVRG
Tetrachloroethene	0.2714000	0.2729447	0.2729447	0.001	0.57	25.00	AVRG
2-hexanone	0.2080000	0.2424211	0.2424211	0.001	16.55	25.00	AVRG
Dibromochloromethane	0.3656700	0.3319798	0.3319798	0.001	-9.21	25.00	AVRG
1,2-Dibromoethane	0.3581000	0.3414976	0.3414976	0.001	-4.64	25.00	AVRG
Chlorobenzene	1.0222400	0.9587704	0.9587704	0.3	-6.21	25.00	AVRG
Ethylbenzene	0.4911400	0.4961771	0.4961771	0.001	1.02	20.00	AVRG
Styrene	1.0685100	1.0178621	1.0178621	0.001	-4.74	25.00	AVRG
Bromoform	0.2408400	0.2174498	0.2174498	0.1	-9.71	25.00	AVRG
Isopropyl Benzene	1.4270900	1.5781753	1.5781753	0.001	10.59	25.00	AVRG
1,1,2,2-Tetrachloroethane	0.9152100	0.9650377	0.9650377	0.3	5.44	25.00	AVRG
1,3-Dichlorobenzene	1.4411300	1.4024622	1.4024622	0.001	-2.68	25.00	AVRG
1,4-Dichlorobenzene	1.4729500	1.3836982	1.3836982	0.001	-6.06	25.00	AVRG
1,2-Dichlorobenzene	1.3266200	1.3072014	1.3072014	0.001	-1.46	25.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Instrument ID: 5972HP59 Calibration Date: 03/30/06 Time: 2315

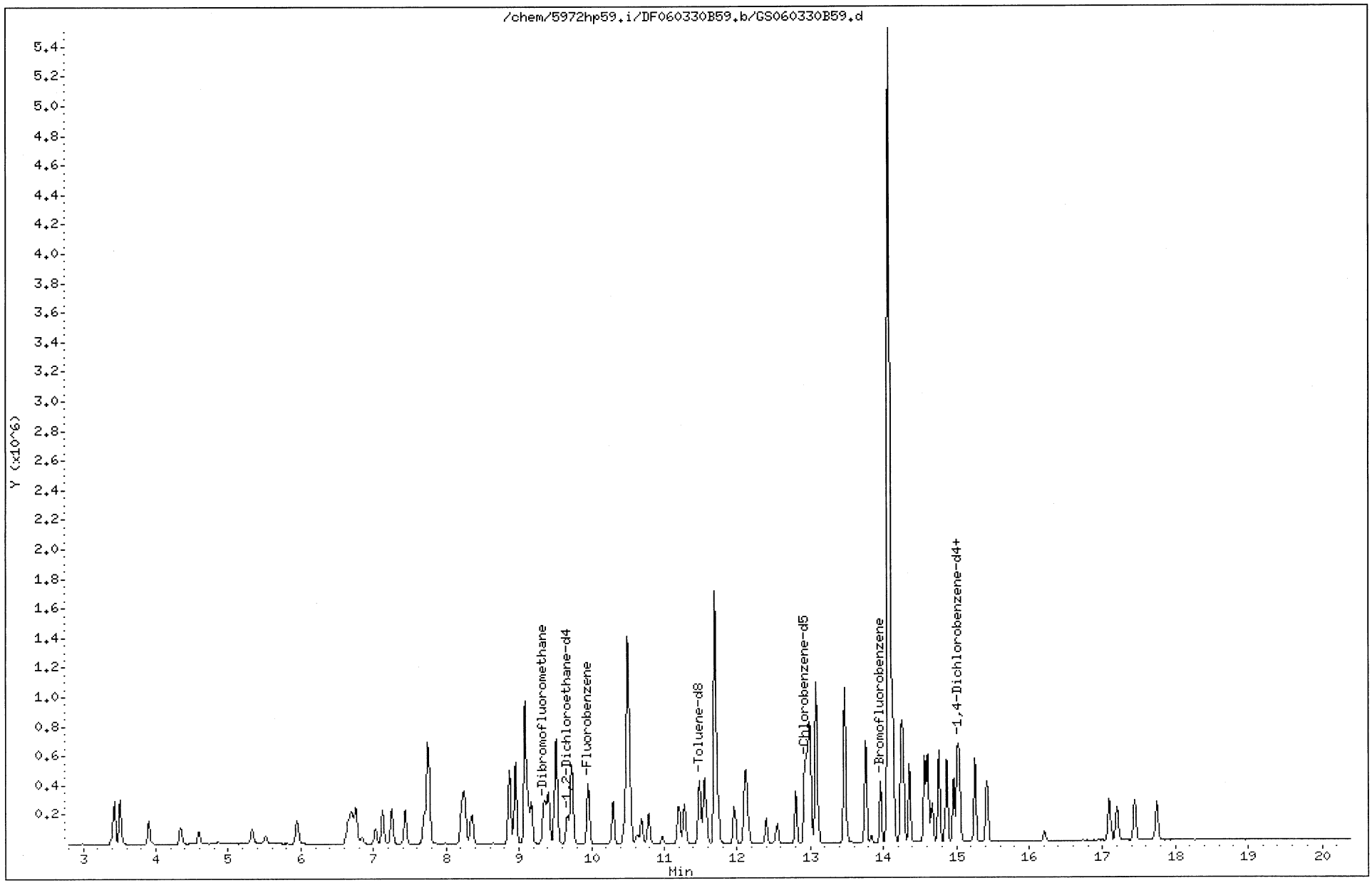
Lab File ID: GS060330B59 Init. Calib. Date(s): 03/24/06 03/24/06

Init. Calib. Times: 1553 1840

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1472800	0.1415755	0.1415755	0.001	-3.87	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8822500	0.8325108	0.8325108	0.001	-5.64	25.00	AVRG	
Xylene (total)	0.6076200	0.6132227	0.6132227	0.001	0.92	25.00	AVRG	
Methyl acetate	0.1551500	0.1789093	0.1789093	0.001	15.31	25.00	AVRG	
Cyclohexane	0.3443300	0.4785788	0.4785788	0.001	38.99	25.00	AVRG	<-
Methylcyclohexane	0.2873400	0.4099273	0.4099273	0.001	42.66	25.00	AVRG	<-
Dibromofluoromethane	0.3228200	0.2888693	0.2888693	0.001	-10.52	25.00	AVRG	
1,2-Dichloroethane-d4	0.3382300	0.3061869	0.3061869	0.001	-9.47	25.00	AVRG	
Toluene-d8	1.4987000	1.3091440	1.3091440	0.001	-12.65	25.00	AVRG	
Bromofluorobenzene	1.3200100	1.1701681	1.1701681	0.001	-11.35	25.00	AVRG	

Data File: /chem/5972hp59.i/DF060330B59.b/GS060330B59.d
Date : 30-MAR-2006 23:15
Client ID: VSTD050
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/GS060330B59.d
Report Date: 31-Mar-2006 06:48

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/GS060330B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 30-MAR-2006 23:15
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	9.957	9.957	(1.000)	513696	250.000	
*	2 Chlorobenzene-d5	117	12.931	12.931	(1.000)	353654	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.018	15.018	(1.000)	167981	250.000	
$	4 Dibromofluoromethane	113	9.337	9.337	(0.938)	148391	250.000	220
$	5 1,2-Dichloroethane-d4	65	9.672	9.672	(0.971)	157287	250.000	230
$	6 Toluene-d8	98	11.483	11.483	(0.888)	462984	250.000	220
$	7 Bromofluorobenzene	95	13.964	13.964	(0.930)	196566	250.000	220
	8 Dichlorodifluoromethane	85	3.903	3.903	(0.392)	214044	250.000	240
	9 Chloromethane	50	4.336	4.336	(0.435)	161386	250.000	260
	10 Vinyl Chloride	62	4.592	4.592	(0.461)	124017	250.000	270
	11 Bromomethane	94	5.320	5.320	(0.534)	96105	250.000	230
	12 Chloroethane	64	5.507	5.507	(0.553)	66860	250.000	290
	13 Trichlorofluoromethane	101	5.950	5.950	(0.598)	222517	250.000	240
	14 Acrolein	56	6.640	6.640	(0.667)	114753	2500.00	1600
	15 1,1-Dichloroethene	96	6.768	6.768	(0.680)	120836	250.000	220
	16 1,1,1-trichloro-2,2,2-trifluo	117	6.679	6.679	(0.671)	62695	250.000	280

Data File: /chem/5972hp59.i/DF060330B59.b/GS060330B59.d
Report Date: 31-Mar-2006 06:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.837	6.837	(0.687)	87754	625.000	740
18 Iodomethane	142	7.024	7.024	(0.705)	160125	250.000	200
19 1,1,2-trichloro-1,2,2-trifluo	101	6.709	6.709	(0.674)	157803	250.000	270
20 Carbon disulfide	76	7.132	7.132	(0.716)	474510	250.000	250
21 3-Chloropropene	76	7.250	7.250	(0.728)	73233	250.000	250
22 Acetonitrile	41	7.250	7.250	(0.728)	194804	250.000	250
23 Methyl acetate	43	7.240	7.240	(0.727)	91905	250.000	290
24 Methylene Chloride	84	7.437	7.437	(0.747)	150397	250.000	250
25 Acrylonitrile	53	7.752	7.752	(0.779)	457409	2500.00	3000
26 trans-1,2-Dichloroethene	96	7.762	7.762	(0.780)	139542	250.000	230
27 trans-1,2-DCE (part of total)	96	7.762	7.762	(0.780)	139542	250.000	230
28 Methyl-tert-butyl ether	73	7.703	7.703	(0.774)	343324	250.000	250
29 1,1-Dichloroethane	63	8.264	8.264	(0.830)	277786	250.000	250
30 Chloroprene	53	8.353	8.353	(0.839)	180758	250.000	220
31 Vinyl acetate	43	8.235	8.235	(0.827)	419710	250.000	250
32 Isopropyl ether	45	8.215	8.215	(0.825)	444633	250.000	260
33 cis-1,2-Dichloroethene	96	8.874	8.874	(0.891)	151892	250.000	230
34 cis-1,2-DCE (part of total)	96	8.874	8.874	(0.891)	151892	250.000	230
35 2,2-Dichloropropane	77	8.874	8.874	(0.891)	197378	250.000	220
36 Propionitrile	54	8.953	8.953	(0.899)	715998	12500.0	13000
37 2-butanone	43	8.855	8.855	(0.889)	138128	625.000	730
38 Methacrylonitrile	41	9.091	9.091	(0.913)	620040	2500.00	2600
39 Bromochloromethane	128	9.130	9.130	(0.917)	64877	250.000	230
40 Chloroform	83	9.170	9.170	(0.921)	261771	250.000	240
41 1,1,1-Trichloroethane	97	9.367	9.367	(0.941)	208193	250.000	230
42 Cyclohexane	56	9.406	9.406	(0.945)	245844	250.000	350
43 1,1-dichloropropene	75	9.505	9.505	(0.955)	200740	250.000	260
44 Carbon Tetrachloride	117	9.524	9.524	(0.956)	171067	250.000	240
45 1,2-Dichloroethane	62	9.741	9.741	(0.978)	192598	250.000	250
46 Isobutyl alcohol	43	9.514	9.514	(0.956)	222379	12500.0	13000
47 Benzene	78	9.721	9.721	(0.976)	537370	250.000	250
48 Trichloroethene	130	10.302	10.302	(1.035)	123767	250.000	220
49 Methylcyclohexane	83	10.469	10.469	(1.051)	210578	250.000	360
50 1,2-Dichloropropane	63	10.538	10.538	(1.058)	155698	250.000	280
51 Dibromomethane	174	10.686	10.686	(1.073)	74711	250.000	230
52 1,4-dioxane	88	10.627	10.627	(1.067)	57170	12500.0	13000
53 Methylmethacrylate	69	10.499	10.499	(1.054)	835846	2500.00	2700
54 Bromodichloromethane	83	10.794	10.794	(1.084)	181771	250.000	240
55 2-chloroethyl vinyl ether	63	10.981	10.981	(1.103)	29581	250.000	240
56 cis-1,3-Dichloropropene	75	11.208	11.208	(1.126)	221524	250.000	240
57 4-Methyl-2-pentanone	43	11.277	11.277	(0.872)	302779	625.000	720
58 Toluene	92	11.562	11.562	(0.894)	322114	250.000	230
59 trans-1,3-Dichloropropene	75	11.749	11.749	(0.909)	199592	250.000	240
60 1,1,2-Trichloroethane	97	11.966	11.966	(0.925)	107519	250.000	240
61 Ethylmethacrylate	69	11.700	11.700	(0.905)	1494290	2500.00	2500
62 1,3-Dichloropropane	76	12.143	12.143	(0.939)	200973	250.000	260
63 Tetrachloroethene	164	12.123	12.123	(0.938)	96528	250.000	250

Data File: /chem/5972hp59.i/DF060330B59.b/GS060330B59.d
Report Date: 31-Mar-2006 06:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	12.104	12.104	(0.936)	214333	625.000	730
65 Dibromochloromethane	129	12.399	12.399	(0.959)	117406	250.000	230
66 1,2-Dibromoethane	107	12.547	12.547	(0.970)	120772	250.000	240
67 Chlorobenzene	112	12.960	12.960	(1.002)	339073	250.000	230
69 1,1,1,2-Tetrachloroethane	131	13.009	13.009	(1.006)	117322	250.000	240
70 Ethylbenzene	106	12.990	12.990	(1.005)	175475	250.000	250
71 m,p-Xylene	106	13.088	13.088	(1.012)	436295	500.000	510
72 m,p-Xylene (part of total)	106	13.088	13.088	(1.012)	436295	500.000	510
73 o-Xylene	106	13.472	13.472	(1.042)	214311	250.000	250
74 o-Xylene (part of total)	106	13.472	13.472	(1.042)	214311	250.000	250
75 Styrene	104	13.482	13.482	(1.043)	359971	250.000	240
76 Bromoform	173	13.748	13.748	(1.063)	76902	250.000	230
78 Isopropyl Benzene	105	13.758	13.758	(1.064)	558128	250.000	280
79 1,1,2,2-Tetrachloroethane	83	14.053	14.053	(0.936)	162108	250.000	260
80 1,2,3-Trichloropropane	110	14.122	14.122	(1.092)	39311	250.000	240
81 Bromobenzene	156	14.141	14.141	(1.094)	129287	250.000	230
82 trans-1,4-dichloro-2-butene	53	14.082	14.082	(1.089)	1482921	1000.00	800
83 n-Propyl Benzene	91	14.122	14.122	(0.940)	808146	250.000	230
84 2-Chlorotoluene	126	14.269	14.269	(0.950)	125190	250.000	260
85 4-Chlorotoluene	126	14.358	14.358	(0.956)	123076	250.000	250
86 1,3,5-Trimethyl Benzene	105	14.250	14.250	(0.949)	460390	250.000	270
87 Pentachloroethane	167	14.673	14.673	(0.977)	61212	250.000	230
88 tert-Butyl Benzene	119	14.565	14.565	(0.970)	420239	250.000	290
89 1,2,4-Trimethyl Benzene	105	14.614	14.614	(0.973)	467758	250.000	270
90 sec-Butyl Benzene	105	14.762	14.762	(0.983)	621688	250.000	300
91 1,3-Dichlorobenzene	146	14.968	14.968	(0.997)	235587	250.000	240
92 p-Isopropyl Toluene	119	14.870	14.870	(0.990)	454957	250.000	280
93 1,4-Dichlorobenzene	146	15.037	15.037	(1.001)	232435	250.000	230
94 1,2-Dichlorobenzene	146	15.421	15.421	(1.027)	219585	250.000	250
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	15.254	15.254	(1.016)	453471	250.000	260
96 1,2-Dibromo-3-Chloropropane	157	16.209	16.209	(1.079)	23782	250.000	240
97 1,2,4-Trichlorobenzene	180	17.095	17.095	(1.138)	139846	250.000	240
98 Hexachlorobutadiene	225	17.203	17.203	(1.146)	78054	250.000	280
99 Naphthalene	128	17.449	17.449	(1.162)	352897	250.000	260
100 1,2,3-Trichlorobenzene	180	17.745	17.745	(1.182)	138551	250.000	260
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				291434	500.000	460
M 102 Xylene (total)	106				650606	750.000	760

COMPUCHEM a division of Liberty Analytical Corp DATE 3/30/06 INITIAL TIME OF TUNE 1309 SHIFT/S(A)____ (B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 1453 LINKER /METHOD W8260 5mM

COMPUCHEM LOGBOOK 11 NNN 20 (5972hp59)

PREVENTIVE MAINTENANCE None

	REJECTED	FILE NAME	REVIEWED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF060330B51	/			33006	1303	BFB	—	2.0	—	2481	LCV-SB5
2		6506033OB59	/			/ /	1315	VSTD050	—	10ml	I		
3		93863B59	/			/ /	1352	VBLKSA	Varies	5ml	—		
4		93866B59	/	—	—	3/31/06	029	VSALCS	↓	↓	—		
5		945607D2B59	/	1	3	/ /	0116	ACSCW MW10C27	DL9456	1.5ml	3.33		
6		11 B59	/	1	3	/ /	0144	ACSCW MW14-27		5ml	1		
7		12	/	1	3	/ /	0213	CW MW29-27					
8		13 C	/	1	3	/ /	0241	MW09R27	↓	↓			
9		947701 B59	/	1	1	/ /	0310	WAB-MW03S-B306	9477	5ml			
10		02	/	1	1	/ /	0338	W071MW06-B306					
11		03	/	1	1	/ /	0407	W071MW22-B306					
12		04	/	1	1	/ /	0436	W071MW23-B306					
13		05	/	1	1	/ /	0504	WXSIMMW19S-B306					
14		98369	/	1	1	/ /	0533	" "MS					
15		98370	/	1	1	/ /	0601	MSD					
16		947706	/	1	1	/ /	0630	W071MW80-B306					
17		07	/	1	1	/ /	0659	W071MW70-B306					
18		08	/	1	1	/ /	0727	W071MW08-B306					
19		09	/	1	1	/ /	0756	W071MW04-B306					
20		10	/	1	1	/ /	0825	W071MW05-B306					
21		11	/	1	1	/ /	0853	W071MW60-B306					
22		947801 B59	/	1	1	/ /	0922	W111MW01-B306	9478	5ml			
23		02	/	1	1	/ /	0951	W111MW02-B306					
24		03	/	1	1	/ /	1019	W111MW05-B306					

SUPERVISOR APPROVAL Joann Ochsenbein Date 3-31-06

Tune (ID #7008) Lot No. 64063

Calibration Group Code / Lot No. DC285

*On-column sample aliquot
+Not applicable to soil matrix

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

1/26/06:jad

4. Raw QC Data

   a. BFB Data

   b. Blank Data

   c. Laboratory Control Sample Data

   d. Matrix Spike Data

   e. Matrix Spike Duplicate Data

a. BFB Data

For each 12 hour period, per instrument utilized, include:

- Bar Graph spectrum and Tabulated Relative Abundances

- Mass listing

- Reconstructed ion chromatogram

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

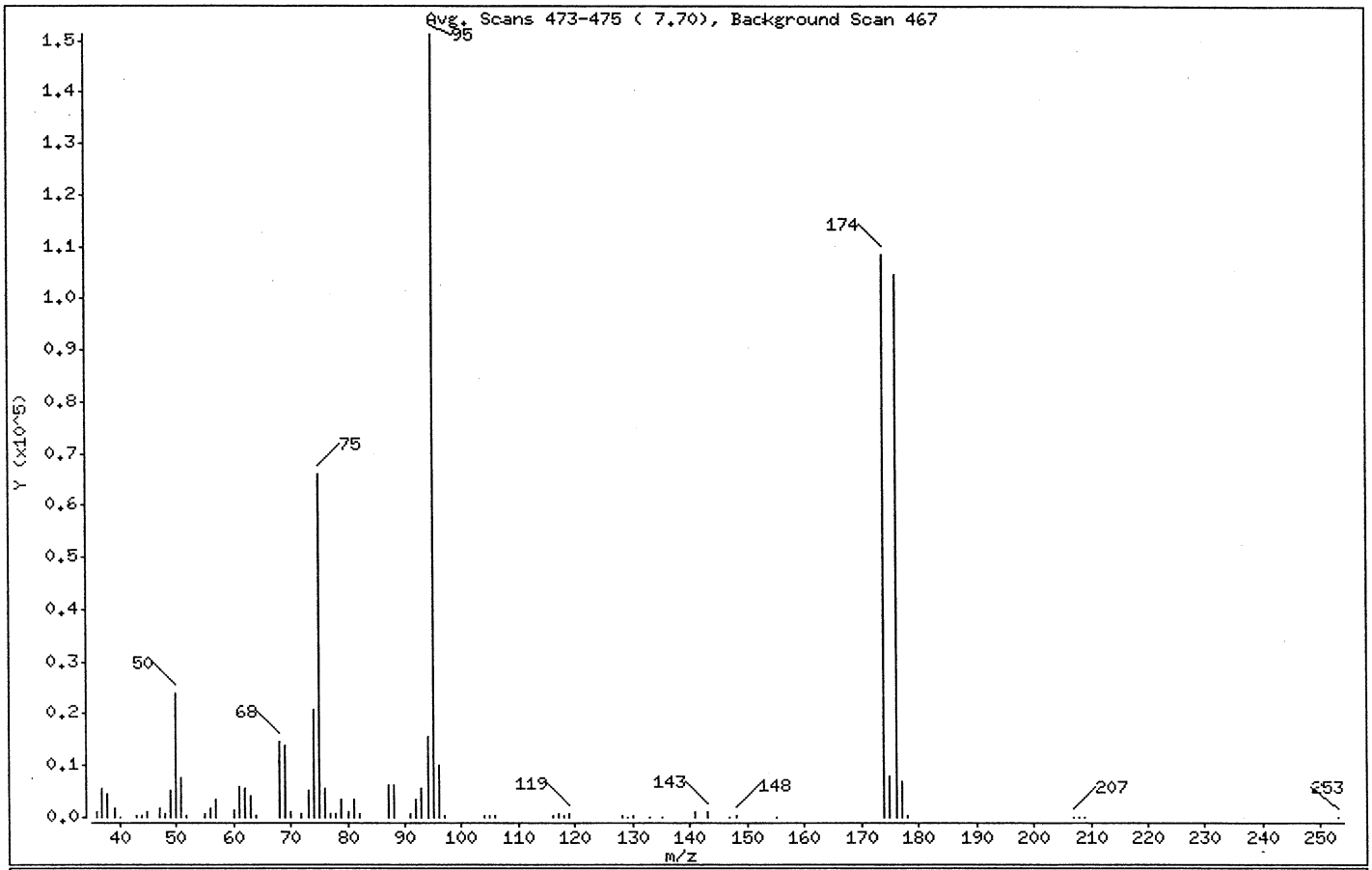
Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.92
75	30.00 - 60.00% of mass 95	43.59
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.80
175	5.00 - 9.00% of mass 174	5.27 (7.34)
176	95.00 - 101.00% of mass 174	69.20 (96.38)
177	5.00 - 9.00% of mass 176	4.64 (6.70)

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d

Date : 24-MAR-2006 15:29

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BG060324A59.d

Spectrum: Avg. Scans 473-475 (7.70), Background Scan 467

Location of Maximum: 95.00

Number of points: 71

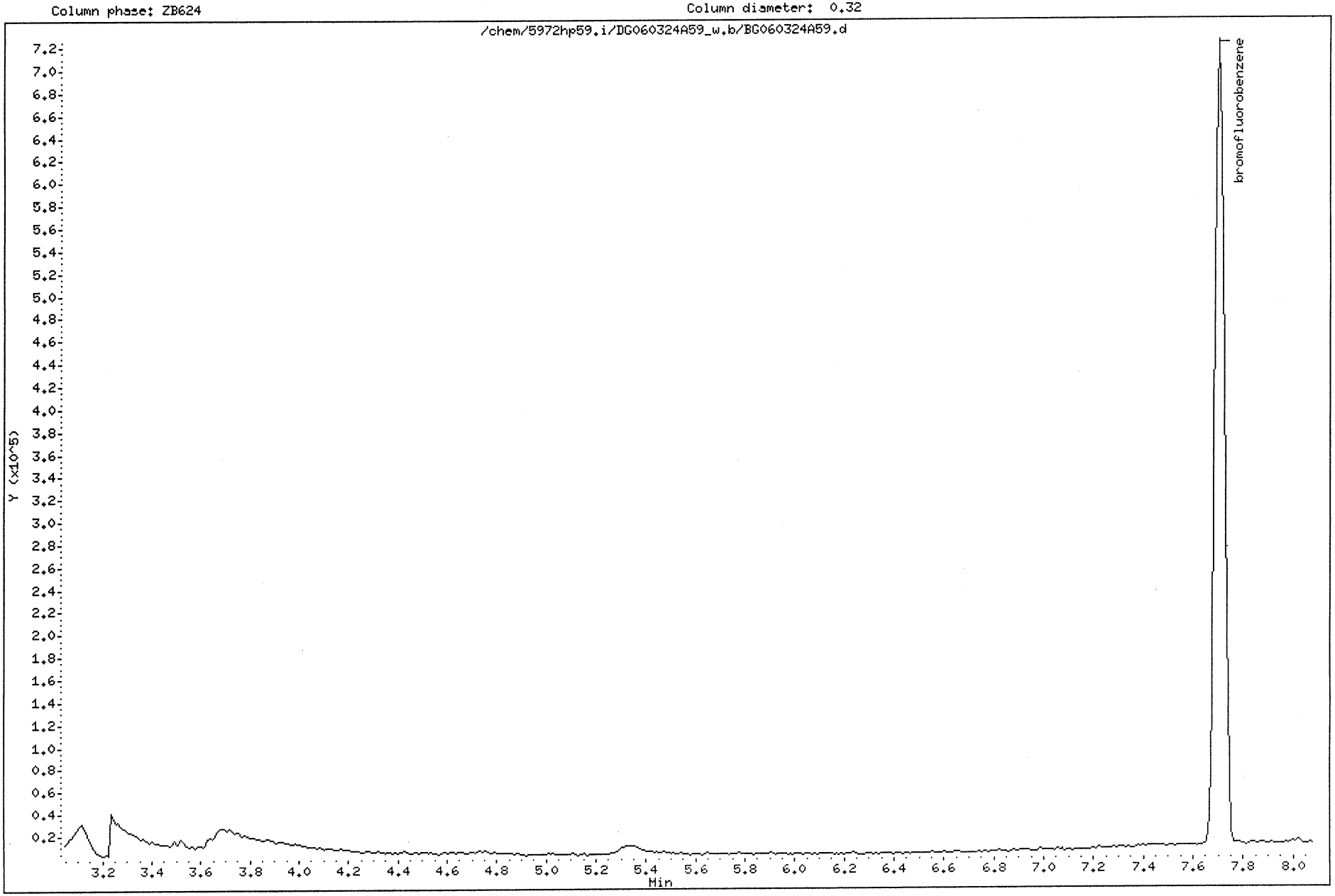
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1176	61.00	5803	87.00	6315	130.00	453
37.00	5538	62.00	5609	88.00	6148	133.00	75
38.00	4681	63.00	4097	91.00	735	135.00	117
39.00	1745	64.00	407	92.00	3366	141.00	913
40.00	43	68.00	14774	93.00	5457	143.00	987
43.00	323	69.00	13894	94.00	15514	147.00	103
44.00	475	70.00	1062	95.00	151232	148.00	225
45.00	1199	72.00	560	96.00	10229	155.00	102
47.00	1636	73.00	5251	97.00	250	174.00	106592
48.00	753	74.00	20992	104.00	497	175.00	7969
49.00	5288	75.00	65928	105.00	232	176.00	104664
50.00	24080	76.00	5469	106.00	462	177.00	7017
51.00	7668	77.00	711	116.00	276	178.00	220
52.00	466	78.00	785	117.00	714	207.00	144
55.00	554	79.00	3426	118.00	462	208.00	99
56.00	1734	80.00	1058	119.00	727	209.00	81
57.00	3317	81.00	3434	128.00	468	253.00	109
60.00	1303	82.00	748	129.00	113		

Data File: /chem/5972hp59.i/DG060324A59_w.b/BG060324A59.d
Date : 24-MAR-2006 15:29
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d

Date : 29-MAR-2006 21:47

Client ID: BFB

Instrument: 5972hp59.i

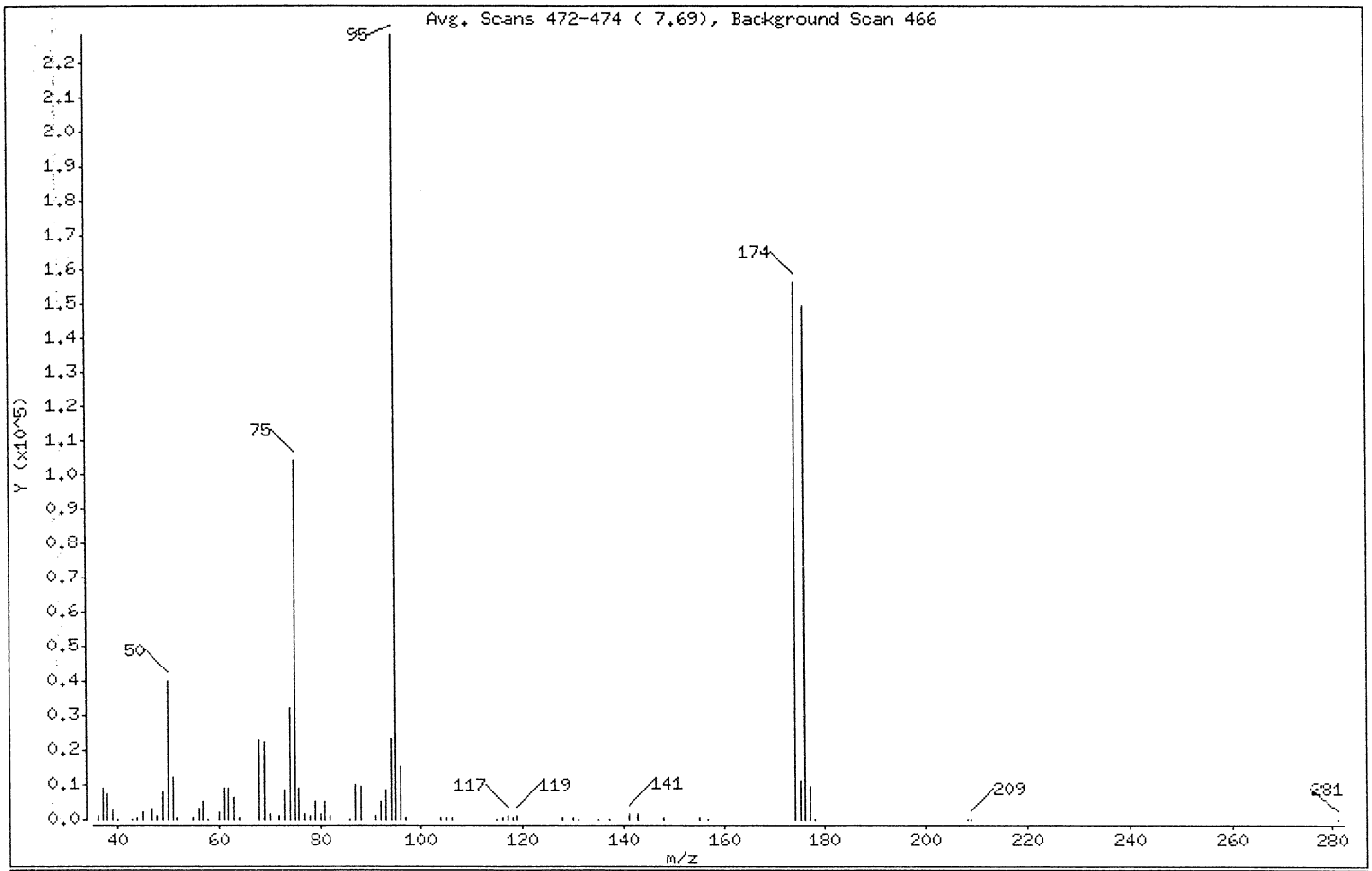
Sample Info: BFB;2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.59
75	30.00 - 60.00% of mass 95	45.54
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.35
175	5.00 - 9.00% of mass 174	4.84 (7.08)
176	95.00 - 101.00% of mass 174	65.52 (95.86)
177	5.00 - 9.00% of mass 176	4.24 (6.47)

Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d

Date : 29-MAR-2006 21:47

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

Data File: BF060329B59.d
Spectrum: Avg. Scans 472-474 (7.69), Background Scan 466
Location of Maximum: 95.00
Number of points: 73

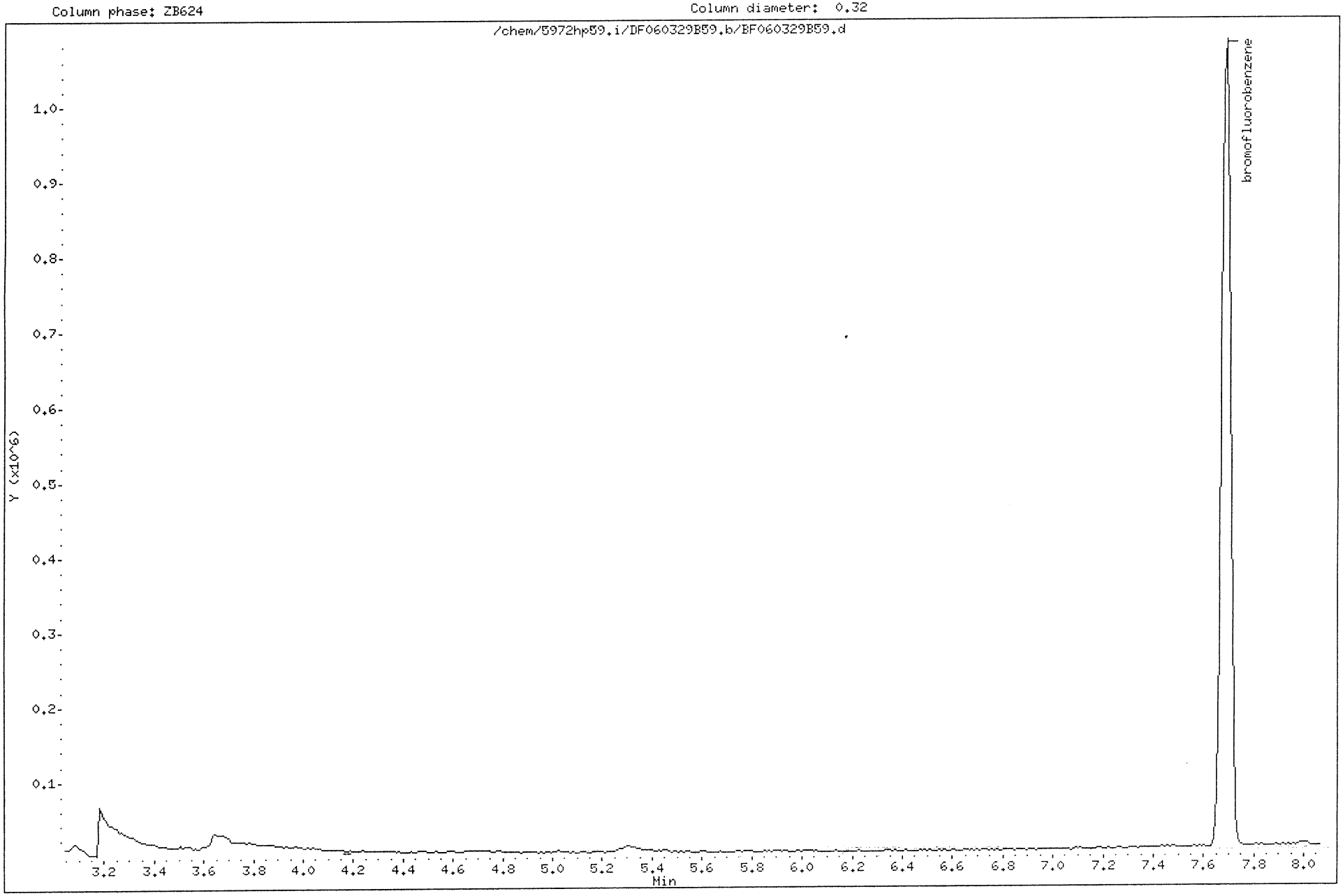
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1271	61.00	9075	87.00	9922	131.00	137
37.00	8964	62.00	9160	88.00	9390	135.00	208
38.00	7466	63.00	6326	91.00	811	137.00	127
39.00	2760	64.00	650	92.00	5129	141.00	1432
40.00	114	68.00	22792	93.00	8247	143.00	1390
43.00	262	69.00	21856	94.00	23048	148.00	477
44.00	715	70.00	1784	95.00	228480	155.00	453
45.00	2014	72.00	1234	96.00	15074	157.00	113
47.00	2926	73.00	8504	97.00	474	174.00	156160
48.00	1238	74.00	32304	104.00	738	175.00	11057
49.00	7946	75.00	104056	105.00	389	176.00	149696
50.00	40192	76.00	8883	106.00	741	177.00	9686
51.00	12073	77.00	1407	115.00	229	178.00	213
52.00	640	78.00	944	116.00	611	208.00	36
55.00	653	79.00	5137	117.00	990	209.00	103
56.00	2925	80.00	1556	118.00	581	281.00	105
57.00	5383	81.00	5090	119.00	836		
58.00	101	82.00	1125	128.00	616		
60.00	1908	86.00	118	130.00	711		

Data File: /chem/5972hp59.i/DF060329B59.b/BF060329B59.d
Date : 29-MAR-2006 21:47
Client ID: BFB
Sample Info: BFB:2481

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF060330A59.b/BF060330A59.d

Date : 30-MAR-2006 10:35

Client ID: BFB

Instrument: 5972hp59.i

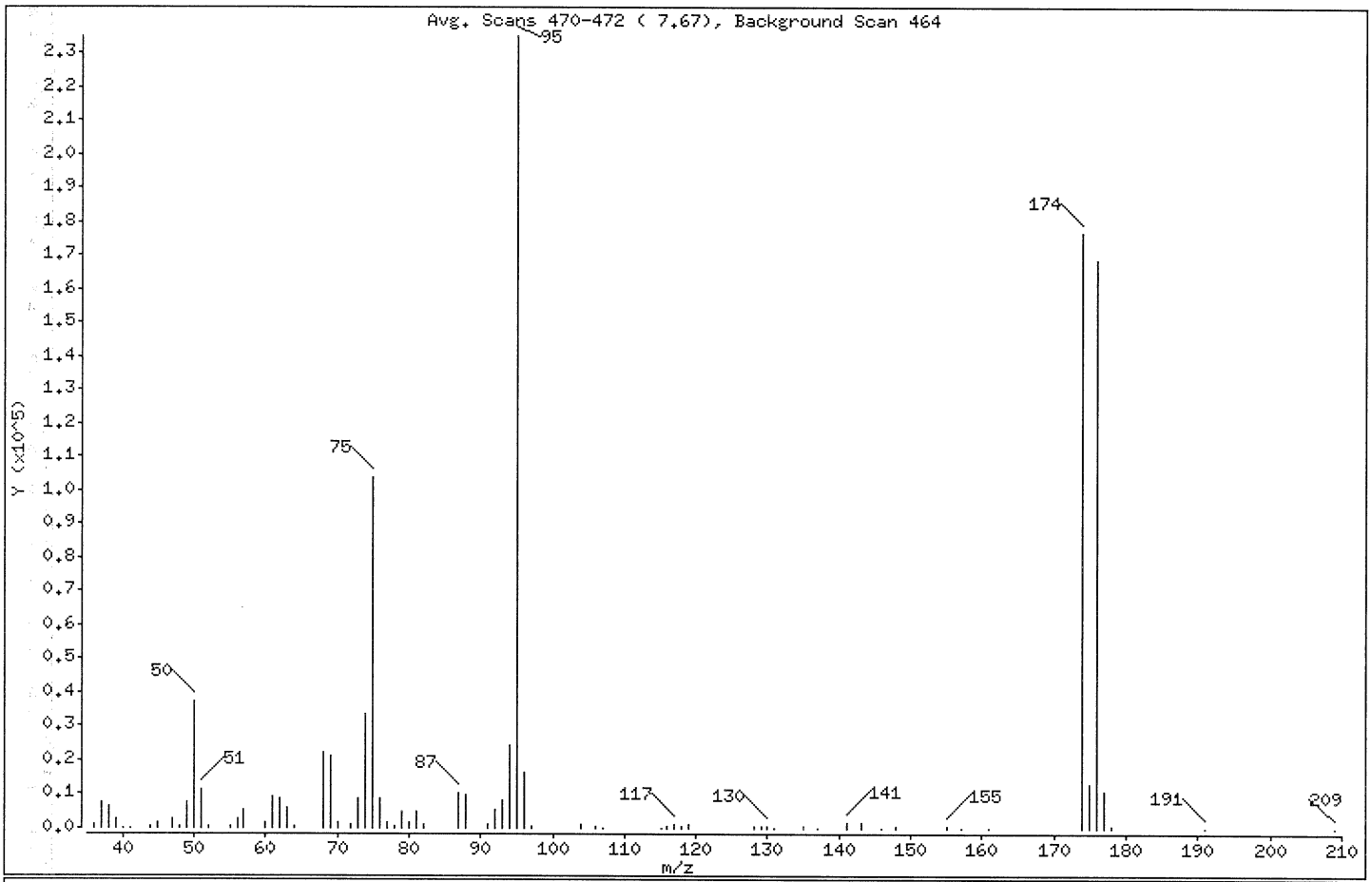
Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.89
75	30.00 - 60.00% of mass 95	44.05
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.10
175	5.00 - 9.00% of mass 174	5.44 (7.25)
176	95.00 - 101.00% of mass 174	71.68 (95.44)
177	5.00 - 9.00% of mass 176	4.60 (6.42)

Data File: /chem/5972hp59.i/DF060330A59.b/BF060330A59.d

Date : 30-MAR-2006 10:35

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

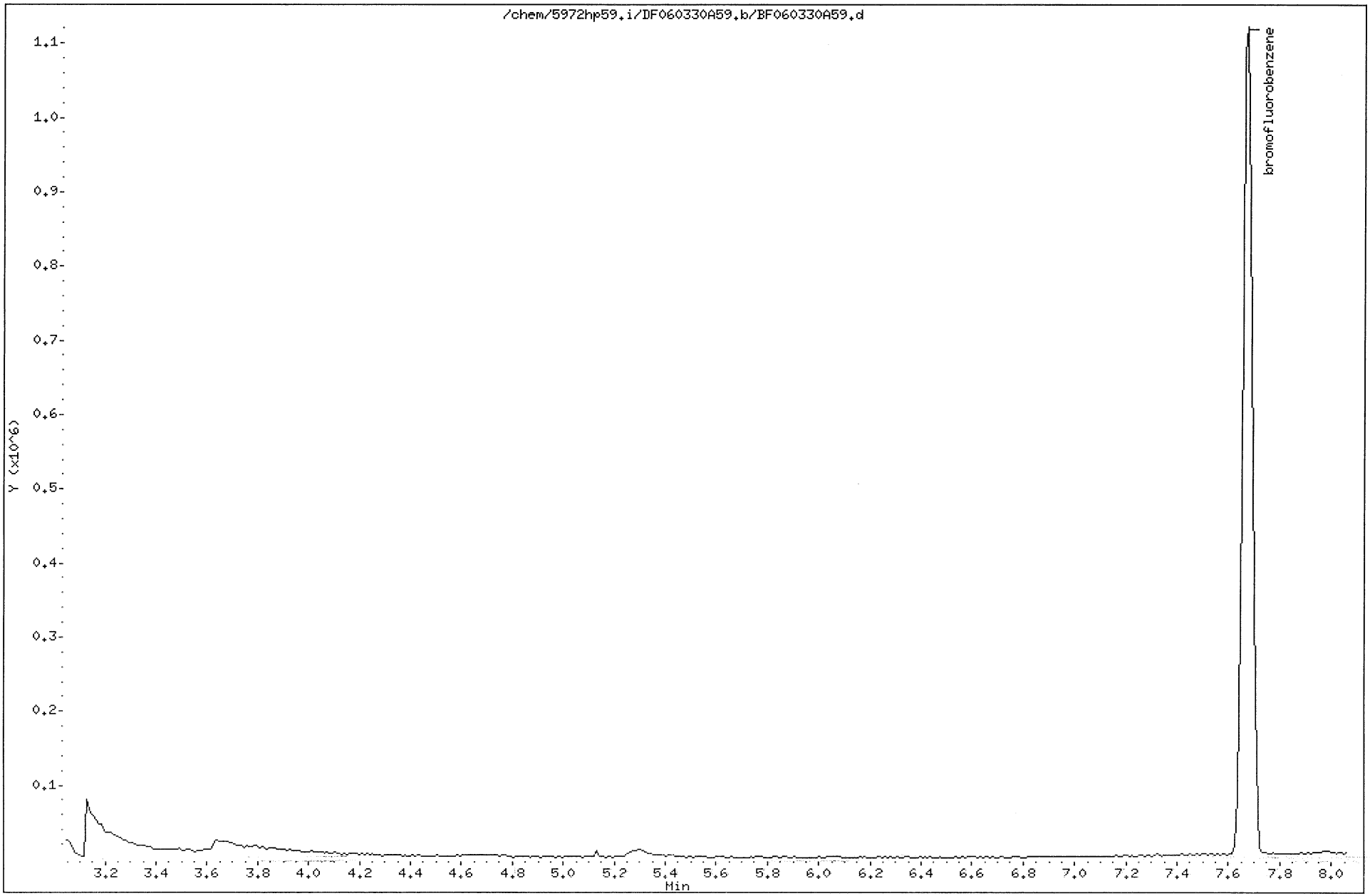
Column phase: ZB624

Column diameter: 0.32

Data File: BF060330A59.d
Spectrum: Avg. Scans 470-472 (7.67), Background Scan 464
Locaticn of Maximum: 95.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1207	62.00	8417	91.00	878	135.00	277
37.00	7804	63.00	6190	92.00	5331	137.00	107
38.00	6688	64.00	673	93.00	8237	141.00	1407
39.00	2816	68.00	22408	94.00	24152	143.00	1366
40.00	64	69.00	21288	95.00	235072	146.00	134
41.00	77	70.00	1710	96.00	16227	148.00	465
44.00	615	72.00	830	97.00	496	155.00	424
45.00	1704	73.00	8705	104.00	868	157.00	118
47.00	2532	74.00	33328	106.00	767	161.00	107
48.00	301	75.00	103536	107.00	104	174.00	176512
49.00	7669	76.00	8421	115.00	106	175.00	12796
50.00	37352	77.00	1572	116.00	618	176.00	168448
51.00	11406	78.00	767	117.00	1111	177.00	10810
52.00	557	79.00	4872	118.00	725	178.00	381
55.00	607	80.00	1422	119.00	941	191.00	240
56.00	2829	81.00	4990	128.00	724	209.00	36
57.00	5273	82.00	1060	129.00	350		
60.00	1766	87.00	10146	130.00	763		
61.00	9034	88.00	9698	131.00	260		

Data File: /chem/5972hp59.i/DF060330A59.b/BF060330A59.d
Date : 30-MAR-2006 10:35
Client ID: BFB
Instrument: 5972hp59.i
Sample Info: BFB:2473
Operator: 2473
Column phase: ZB624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/BF060330B59.d

Date : 30-MAR-2006 23:03

Client ID: BFB

Instrument: 5972hp59.i

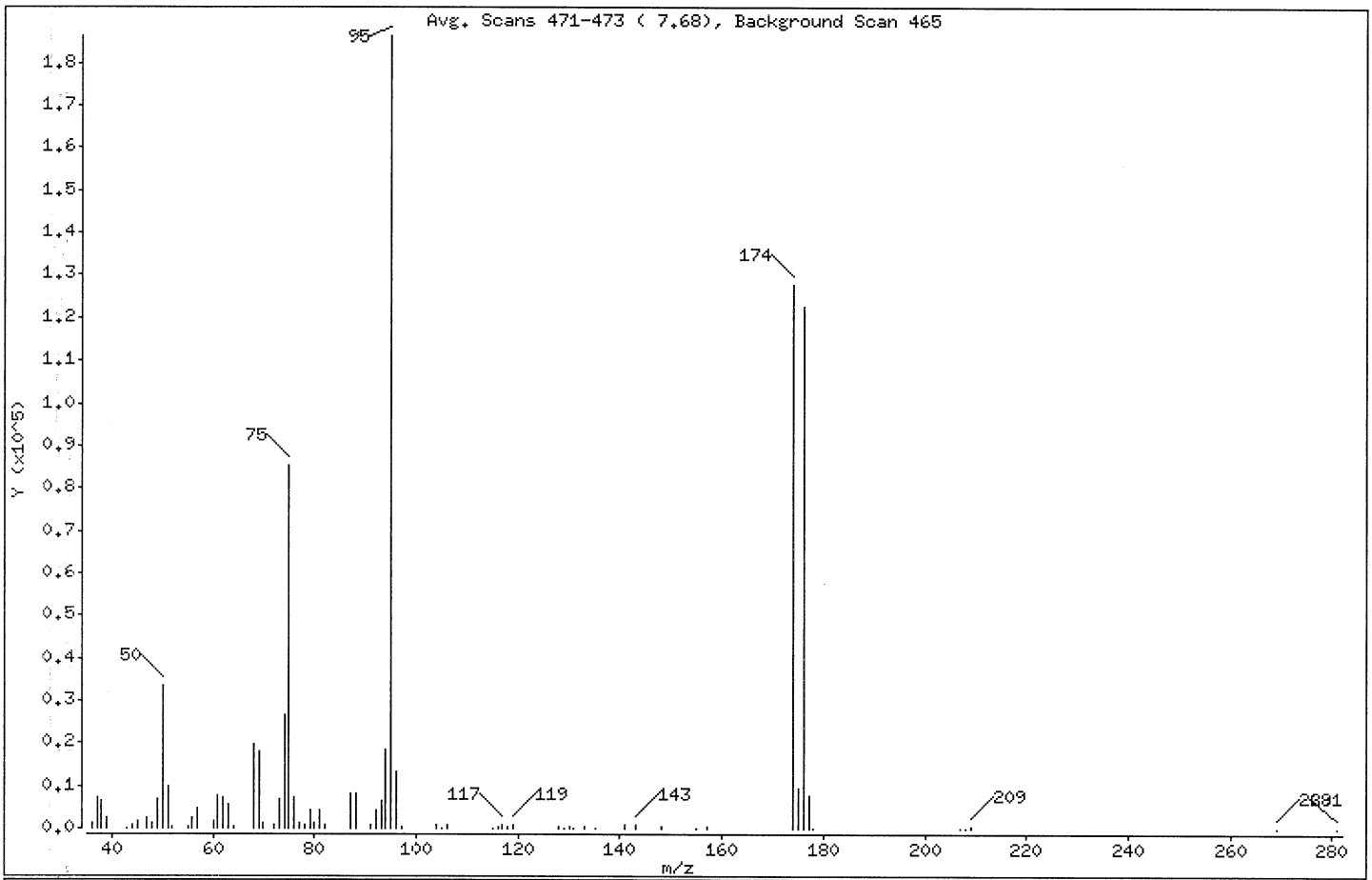
Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

1 bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.88
75	30.00 - 60.00% of mass 95	45.78
96	5.00 - 9.00% of mass 95	7.08
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.47
175	5.00 - 9.00% of mass 174	4.97 (7.26)
176	95.00 - 101.00% of mass 174	65.78 (96.07)
177	5.00 - 9.00% of mass 176	4.16 (6.32)

Data File: /chem/5972hp59.i/DF060330B59.b/BF060330B59.d

Date : 30-MAR-2006 23:03

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

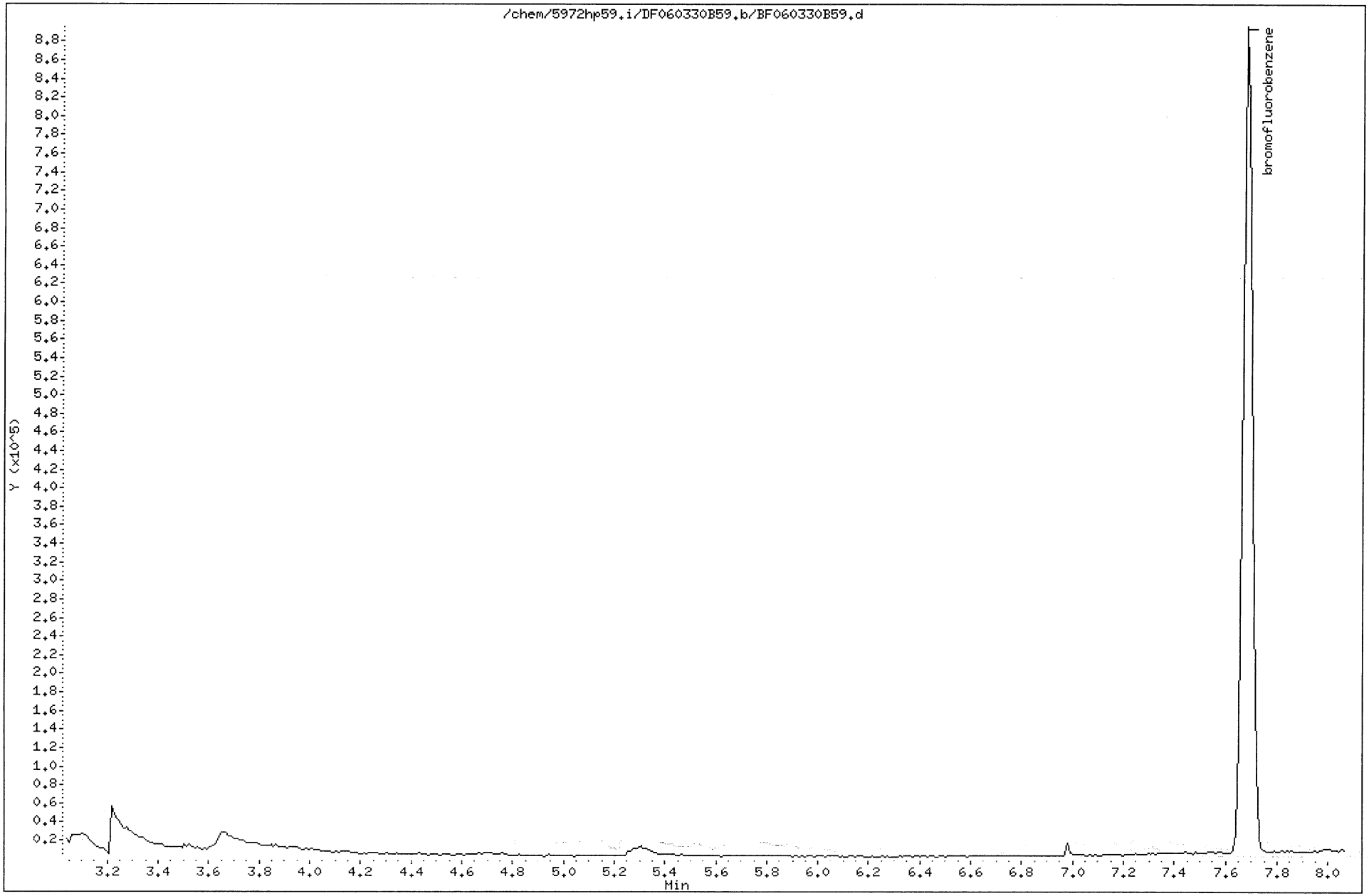
Column phase: ZB624

Column diameter: 0.32

Data File: BF060330B59.d
Spectrum: Avg. Scans 471-473 (7.68), Background Scan 465
Location of Maximum: 95.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1453	63.00	5362	92.00	4335	135.00	100
37.00	7369	64.00	474	93.00	6387	141.00	1038
38.00	6259	68.00	19760	94.00	18496	143.00	1067
39.00	2455	69.00	18072	95.00	186304	148.00	365
43.00	121	70.00	1282	96.00	13183	155.00	156
44.00	837	72.00	876	97.00	481	157.00	216
45.00	1716	73.00	6804	104.00	657	174.00	127568
47.00	2466	74.00	26560	105.00	103	175.00	9257
48.00	1156	75.00	85280	106.00	654	176.00	122544
49.00	6946	76.00	7087	115.00	212	177.00	7742
50.00	33304	77.00	1335	116.00	493	178.00	101
51.00	9690	78.00	718	117.00	896	207.00	187
52.00	514	79.00	4130	118.00	465	208.00	2
55.00	627	80.00	1313	119.00	842	209.00	215
56.00	2471	81.00	4116	128.00	509	269.00	111
57.00	4509	82.00	939	129.00	106	281.00	121
60.00	1608	87.00	8243	130.00	528		
61.00	7505	88.00	7981	131.00	103		
62.00	7283	91.00	735	133.00	249		

Data File: /chem/5972hp59.i/DF060330B59.b/BF060330B59.d
Date : 30-MAR-2006 23:03
Client ID: BFB
Instrument: 5972hp59.i
Sample Info: BFB:2481
Operator: 2481
Column phase: ZB624
Column diameter: 0.32



b. Blank Data

Arranged by type of blank (method, storage, instrument) in chronological order, by instrument. Shall include:

- Tabulated Results (Form I VOA)

- Tentatively Identified Compounds (Form I VOA-TIC)

- Reconstructed Ion Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

- Quantitation/Calculation of TIC concentrations.

- GC/MS library search spectra for TICs.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97865

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97865B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/29/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

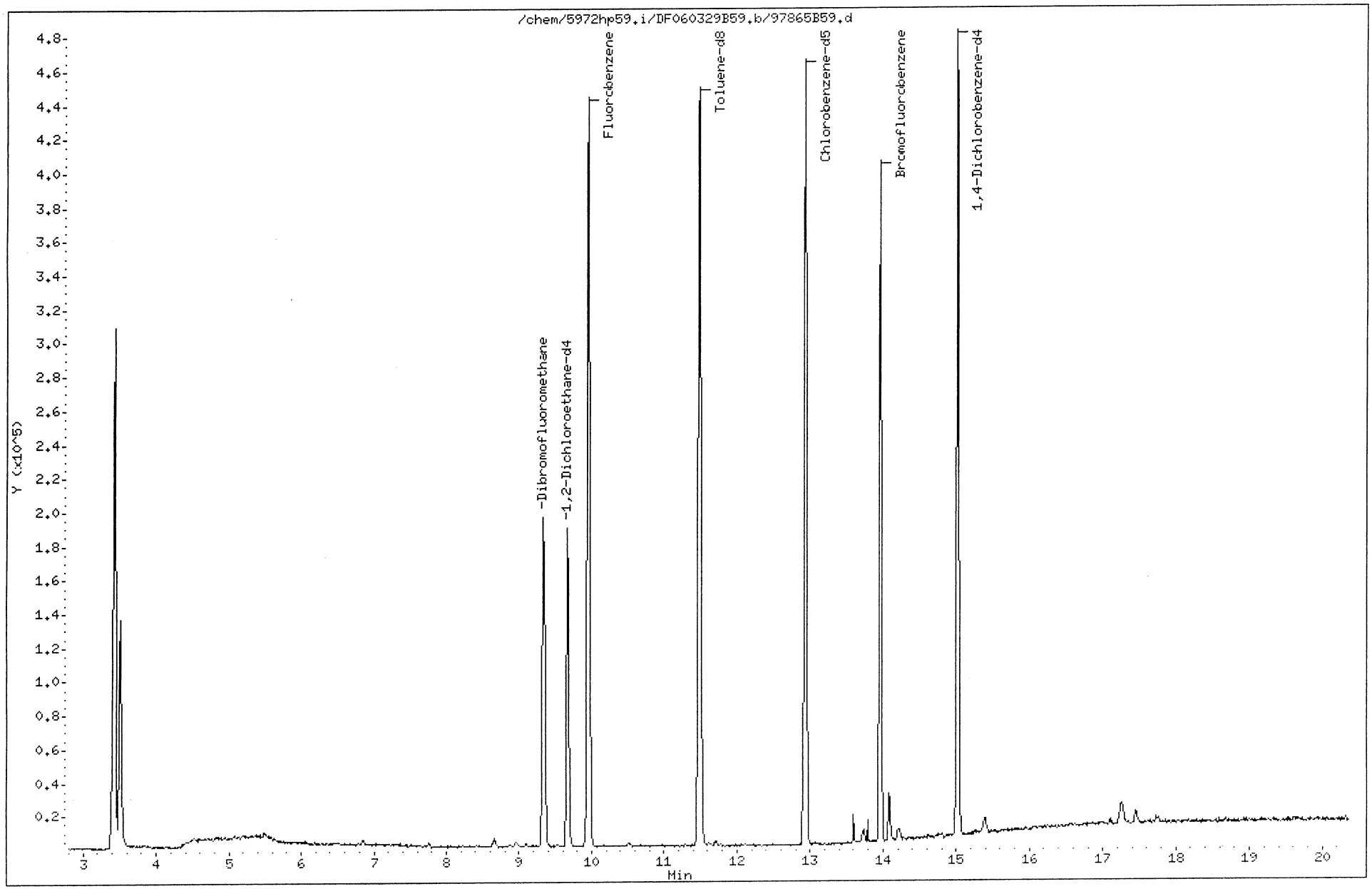
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Date : 29-MAR-2006 23:26
Client ID: VBLKNP
Sample Info: 97865:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97865B59.d
Lab Smp Id: 97865 Client Smp ID: VBLKNP
Inj Date : 29-MAR-2006 23:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97865:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	9.957	9.955	(1.000)	532792	250.000	
*	2 Chlorobenzene-d5	117	12.930	12.938	(1.000)	339783	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	157915	250.000	
$	4 Dibromofluoromethane	113	9.336	9.335	(0.938)	148422	215.735	43
$	5 1,2-Dichloroethane-d4	65	9.671	9.670	(0.971)	162490	225.423	45
$	6 Toluene-d8	98	11.492	11.491	(0.889)	469201	230.346	46
$	7 Bromofluorobenzene	95	13.963	13.962	(0.930)	191316	229.451	46
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					
	19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20	Carbon disulfide	76	Compound Not Detected.					
23	Methyl acetate	43	Compound Not Detected.					
24	Methylene Chloride	84	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
28	Methyl-tert-butyl ether	73	Compound Not Detected.					
29	1,1-Dichloroethane	63	Compound Not Detected.					
33	cis-1,2-Dichloroethene	96	Compound Not Detected.					
37	2-butanone	43	Compound Not Detected.					
40	Chloroform	83	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Cyclohexane	56	Compound Not Detected.					
44	Carbon Tetrachloride	117	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	Trichloroethene	130	Compound Not Detected.					
49	Methylcyclohexane	83	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	trans-1,3-Dichloropropene	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	97	Compound Not Detected.					
63	Tetrachloroethene	164	Compound Not Detected.					
64	2-hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	Chlorobenzene	112	Compound Not Detected.					
70	Ethylbenzene	106	Compound Not Detected.					
72	m,p-Xylene (part of total)	106	Compound Not Detected.					
74	o-Xylene (part of total)	106	Compound Not Detected.					
75	Styrene	104	Compound Not Detected.					
76	Bromoform	173	Compound Not Detected.					
78	Isopropyl Benzene	105	Compound Not Detected.					
79	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102	Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060329B59.b/97865B59.d
Report Date: 30-Mar-2006 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97865B59.d
Lab Smp Id: 97865 Client Smp ID: VBLKNP
Inj Date : 29-MAR-2006 23:26
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97865:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKPV

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98162

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98162A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

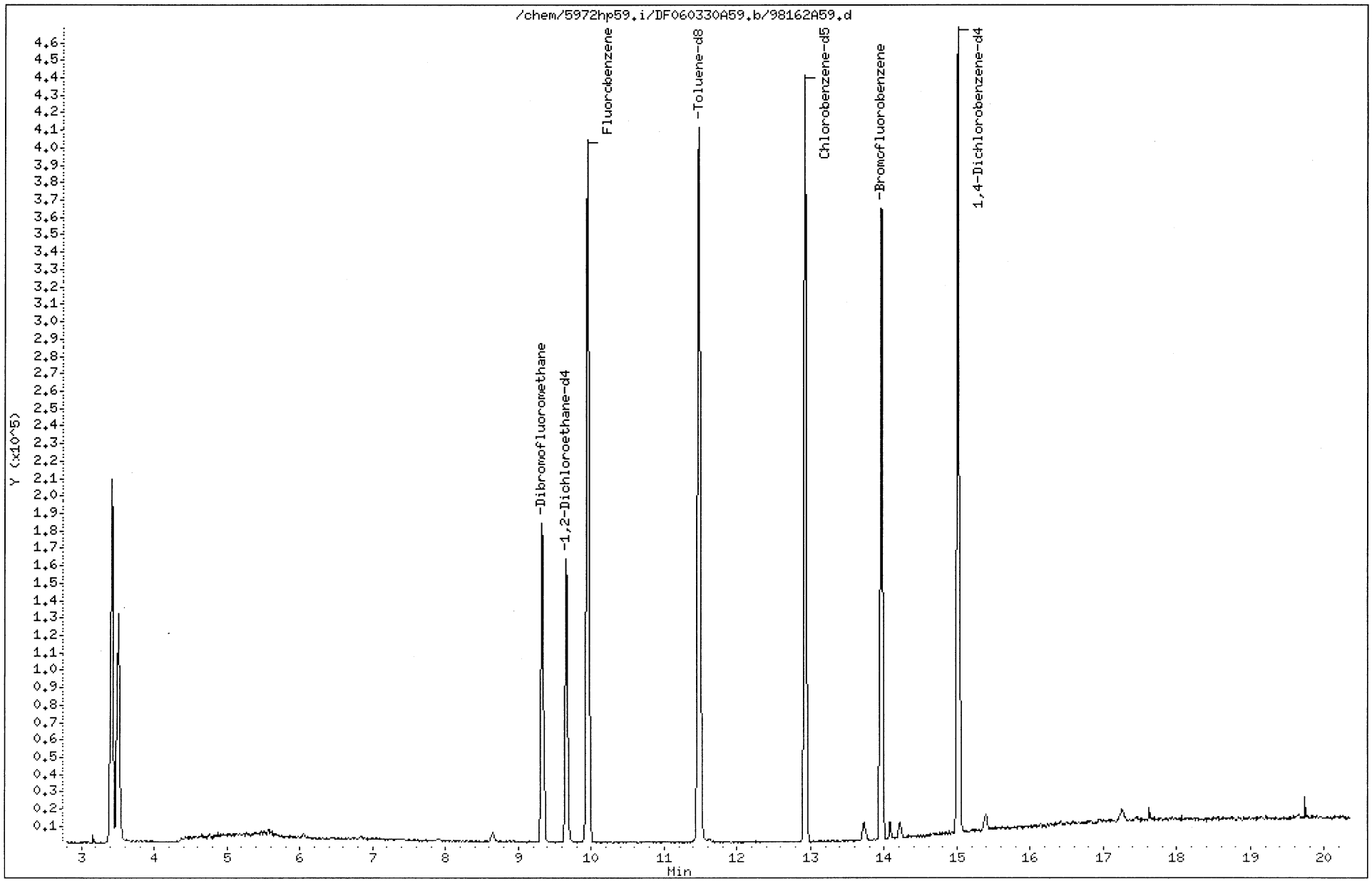
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330A59.b/98162A59.d
Date : 30-MAR-2006 12:48
Client ID: VBLKPV
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330A59.b/98162A59.d
Report Date: 30-Mar-2006 23:27

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/98162A59.d
Lab Smp Id: 98162 Client Smp ID: VBLKPV
Inj Date : 30-MAR-2006 12:48
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.949	9.947	(1.000)	499952	250.000	
* 2 Chlorobenzene-d5	117	12.932	12.930	(1.000)	341371	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.020	15.017	(1.000)	163113	250.000	
$ 4 Dibromofluoromethane	113	9.329	9.327	(0.938)	146261	226.558	45
$ 5 1,2-Dichloroethane-d4	65	9.664	9.662	(0.971)	144623	213.815	43
$ 6 Toluene-d8	98	11.485	11.483	(0.888)	447944	218.888	44
$ 7 Bromofluorobenzene	95	13.956	13.954	(0.929)	184589	214.329	43
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330A59.b/98162A59.d
Report Date: 30-Mar-2006 23:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330A59.b/98162A59.d
Report Date: 30-Mar-2006 23:27

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/98162A59.d
Lab Smp Id: 98162 Client Smp ID: VBLKPV
Inj Date : 30-MAR-2006 12:48
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKSA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98363

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98363B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

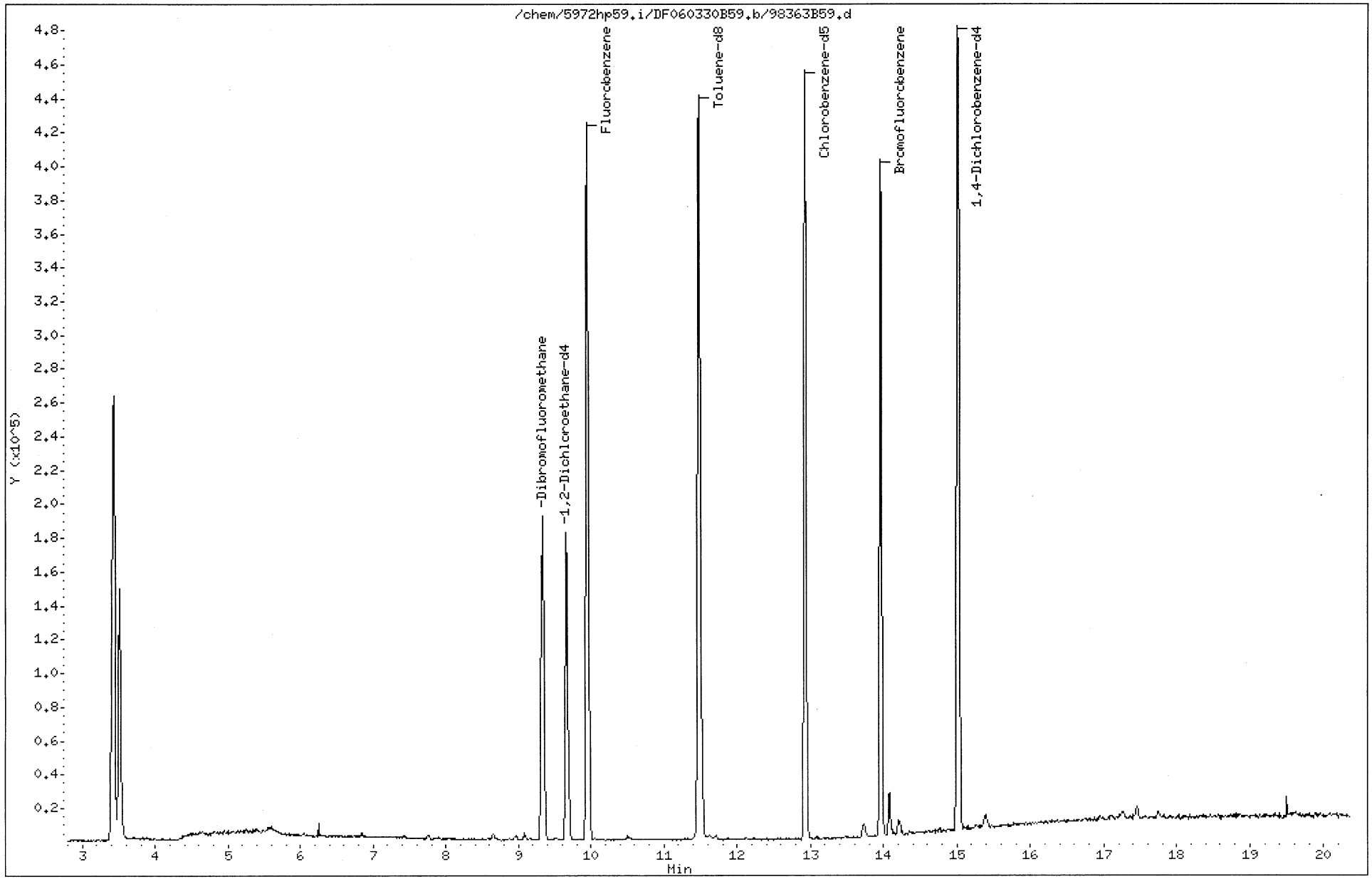
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: /chem/5972hp59.i/DF060330B59.b/98363B59.d
Date : 30-MAR-2006 23:52
Client ID: VBLKSA
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2481
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/98363B59.d
Report Date: 31-Mar-2006 07:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/98363B59.d
Lab Smp Id: 98363 Client Smp ID: VBLKSA
Inj Date : 30-MAR-2006 23:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	9.953	9.957	(1.000)	516882	250.000	
*	2 Chlorobenzene-d5	117	12.936	12.931	(1.000)	348942	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.023	15.018	(1.000)	164692	250.000	
$	4 Dibromofluoromethane	113	9.332	9.337	(0.938)	148826	222.981	45
$	5 1,2-Dichloroethane-d4	65	9.667	9.672	(0.971)	159658	228.312	46
$	6 Toluene-d8	98	11.489	11.483	(0.888)	460131	219.964	44
$	7 Bromofluorobenzene	95	13.960	13.964	(0.929)	193401	222.407	44
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	Compound Not Detected.					
	17 Acetone	43	Compound Not Detected.					
	19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/98363B59.d
Report Date: 31-Mar-2006 07:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon disulfide	76	Compound Not Detected.					
23 Methyl acetate	43	Compound Not Detected.					
24 Methylene Chloride	84	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	Compound Not Detected.					
29 1,1-Dichloroethane	63	Compound Not Detected.					
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
44 Carbon Tetrachloride	117	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 Trichloroethene	130	Compound Not Detected.					
49 Methylcyclohexane	83	Compound Not Detected.					
50 1,2-Dichloropropane	63	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	Compound Not Detected.					
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
63 Tetrachloroethene	164	Compound Not Detected.					
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 Chlorobenzene	112	Compound Not Detected.					
70 Ethylbenzene	106	Compound Not Detected.					
72 m,p-Xylene (part of total)	106	Compound Not Detected.					
74 o-Xylene (part of total)	106	Compound Not Detected.					
75 Styrene	104	Compound Not Detected.					
76 Bromoform	173	Compound Not Detected.					
78 Isopropyl Benzene	105	Compound Not Detected.					
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
94 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-Chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
M 102 Xylene (total)	106	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF060330B59.b/98363B59.d
Report Date: 31-Mar-2006 07:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/98363B59.d
Lab Smp Id: 98363 Client Smp ID: VBLKSA
Inj Date : 30-MAR-2006 23:52
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

c. Laboratory Control Sample Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	50	
75-01-4	Vinyl Chloride	51	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	44	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	47	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	48	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	140	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	48	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VNPLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 97868

Sample wt/vol: 5 (g/ml) ML Lab File ID: 97868B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

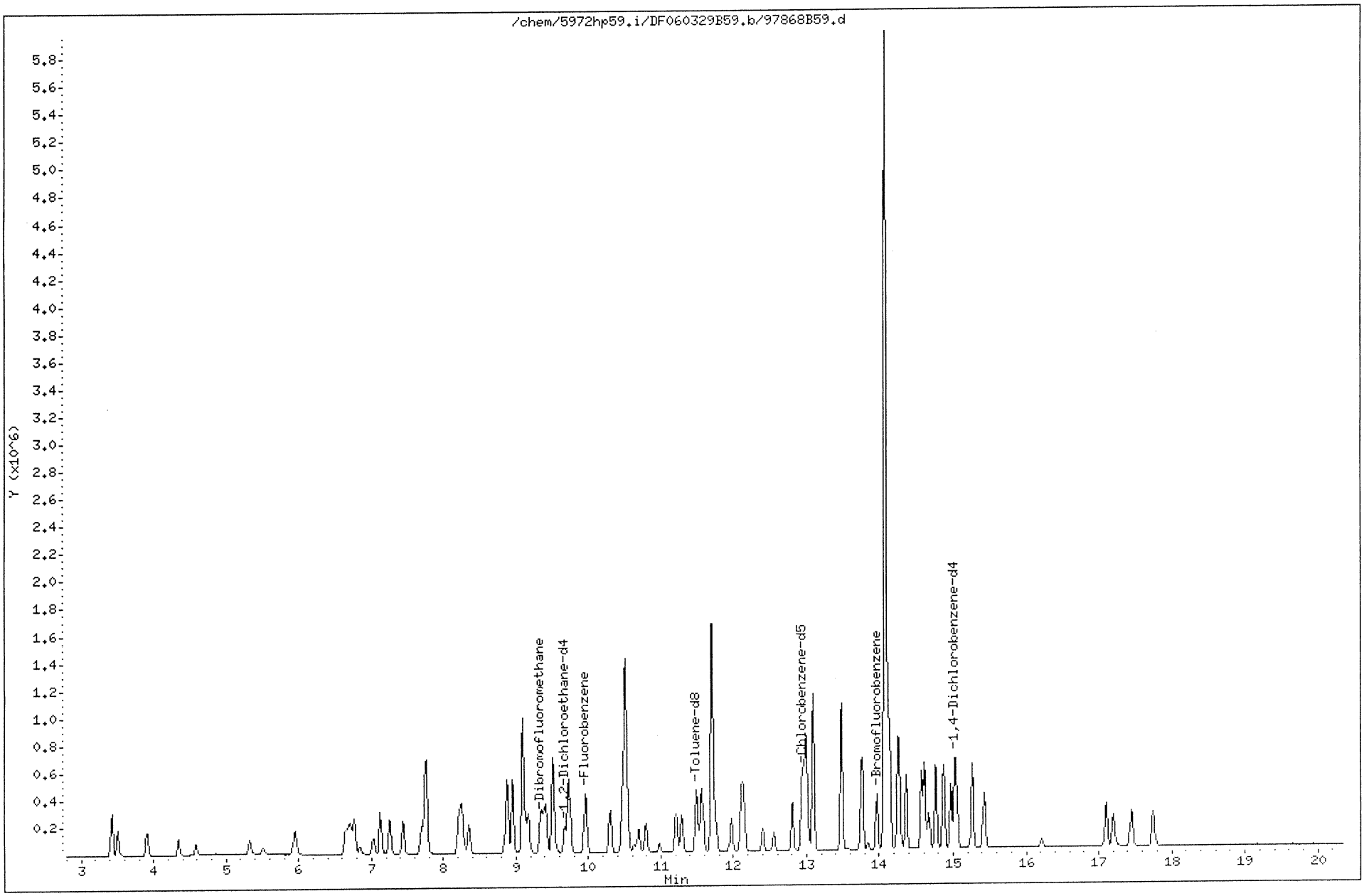
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	49	
75-25-2	Bromoform	46	
98-82-8	Isopropyl Benzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-Chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	54	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	52	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Date : 30-MAR-2006 00:03
Client ID: VNPLCS
Sample Info: 97868:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Report Date: 30-Mar-2006 03:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060329B59.b/97868B59.d
Lab Smp Id: 97868 Client Smp ID: VNPLCS
Inj Date : 30-MAR-2006 00:03
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 97868:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060329B59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 03:05 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	9.957	9.955	(1.000)	525445	250.000	
* 2	Chlorobenzene-d5	117	12.940	12.938	(1.000)	342545	250.000	
* 3	1,4-Dichlorobenzene-d4	152	15.017	15.026	(1.000)	156482	250.000	
$ 4	Dibromofluoromethane	113	9.336	9.335	(0.938)	144744	213.331	43
$ 5	1,2-Dichloroethane-d4	65	9.671	9.670	(0.971)	159637	224.562	45
$ 6	Toluene-d8	98	11.492	11.491	(0.888)	459660	223.843	45
$ 7	Bromofluorobenzene	95	13.963	13.962	(0.930)	194915	235.909	47
8	Dichlorodifluoromethane	85	3.902	3.911	(0.392)	224691	250.032	50
9	Chloromethane	50	4.345	4.344	(0.436)	161879	250.953	50
10	Vinyl Chloride	62	4.591	4.590	(0.461)	118419	255.659	51
11	Bromomethane	94	5.329	5.328	(0.535)	99994	234.775	47
12	Chloroethane	64	5.516	5.515	(0.554)	57478	237.252	47
13	Trichlorofluoromethane	101	5.950	5.948	(0.598)	234149	243.660	49
15	1,1-Dichloroethene	96	6.767	6.766	(0.680)	122603	222.356	44
17	Acetone	43	6.845	6.844	(0.688)	86149	713.481	140

Data File: /chem/5972hp59.i/DF060329B59.b/97868B59.d
Report Date: 30-Mar-2006 03:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.718	6.707	(0.675)	160748	265.969	53
20 Carbon disulfide	76	7.131	7.130	(0.716)	527478	266.997	53
23 Methyl acetate	43	7.249	7.248	(0.728)	84054	257.765	52
24 Methylene Chloride	84	7.436	7.435	(0.747)	147917	236.760	47
26 trans-1,2-Dichloroethene	96	7.761	7.770	(0.779)	139359	221.678	44
28 Methyl-tert-butyl ether	73	7.702	7.701	(0.774)	340374	240.581	48
29 1,1-Dichloroethane	63	8.263	8.262	(0.830)	282814	252.981	51
33 cis-1,2-Dichloroethene	96	8.883	8.882	(0.892)	149480	224.971	45
37 2-butanone	43	8.854	8.853	(0.889)	134721	693.493	140
40 Chloroform	83	9.179	9.178	(0.922)	270687	244.850	49
41 1,1,1-Trichloroethane	97	9.366	9.365	(0.941)	218144	237.852	48
42 Cyclohexane	56	9.415	9.414	(0.946)	246391	340.455	68
44 Carbon Tetrachloride	117	9.523	9.522	(0.956)	174372	242.514	49
45 1,2-Dichloroethane	62	9.740	9.739	(0.978)	196805	250.080	50
47 Benzene	78	9.720	9.729	(0.976)	531429	240.881	48
48 Trichloroethene	130	10.301	10.300	(1.035)	120274	210.701	42
49 Methylcyclohexane	83	10.468	10.477	(1.051)	210340	348.291	70
50 1,2-Dichloropropane	63	10.537	10.536	(1.058)	150556	260.053	52
54 Bromodichloromethane	83	10.793	10.792	(1.084)	188852	242.043	48
56 cis-1,3-Dichloropropene	75	11.207	11.206	(1.126)	229760	244.451	49
57 4-Methyl-2-pentanone	43	11.286	11.284	(0.872)	298408	736.193	150
58 Toluene	92	11.561	11.560	(0.893)	322575	242.749	49
59 trans-1,3-Dichloropropene	75	11.748	11.757	(0.908)	208180	256.800	51
60 1,1,2-Trichloroethane	97	11.975	11.974	(0.925)	106208	242.594	49
63 Tetrachloroethene	164	12.122	12.121	(0.937)	95161	255.899	51
64 2-hexanone	43	12.103	12.102	(0.935)	211548	742.291	150
65 Dibromochloromethane	129	12.408	12.407	(0.959)	114970	229.464	46
66 1,2-Dibromoethane	107	12.556	12.554	(0.970)	113203	230.715	46
67 Chlorobenzene	112	12.969	12.968	(1.002)	331292	236.527	47
70 Ethylbenzene	106	12.999	12.988	(1.005)	173532	257.866	52
72 m,p-Xylene (part of total)	106	13.087	13.086	(1.011)	434705	520.757	100
74 o-Xylene (part of total)	106	13.471	13.470	(1.041)	209764	253.301	51
75 Styrene	104	13.481	13.480	(1.042)	356468	243.480	49
76 Bromoform	173	13.747	13.746	(1.062)	75528	228.877	46
78 Isopropyl Benzene	105	13.767	13.765	(1.064)	554913	283.789	57
79 1,1,2,2-Tetrachloroethane	83	14.052	14.051	(0.936)	156328	272.894	55
91 1,3-Dichlorobenzene	146	14.968	14.966	(0.997)	235665	261.257	52
93 1,4-Dichlorobenzene	146	15.046	15.045	(1.002)	238676	258.878	52
94 1,2-Dichlorobenzene	146	15.430	15.429	(1.028)	213595	257.230	51
96 1,2-Dibromo-3-Chloropropane	157	16.218	16.217	(1.080)	22394	242.926	49
97 1,2,4-Trichlorobenzene	180	17.104	17.103	(1.139)	148344	268.629	54
M 102 Xylene (total)	106				644469	774.058	150

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VPVLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98165

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98165RA59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	56	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	60	
74-83-9	Bromomethane	54	
75-00-3	Chloroethane	76	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	59	
75-15-0	Carbon disulfide	57	
76-13-1	1,1,2-trichloro-1,2,2-triflu	69	
67-64-1	Acetone	120	
75-09-2	Methylene Chloride	58	
156-60-5	trans-1,2-Dichloroethene	57	
1634-04-4	Methyl-tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	57	
156-59-2	cis-1,2-Dichloroethene	58	
78-93-3	2-butanone	110	
67-66-3	Chloroform	57	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon Tetrachloride	60	
71-43-2	Benzene	59	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	59	
78-87-5	1,2-Dichloropropane	59	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	58	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	57	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	68	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	57	
106-93-4	1,2-Dibromoethane	54	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VPVLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98165

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98165RA59

Level: (low/med) LOW Date Received: _____

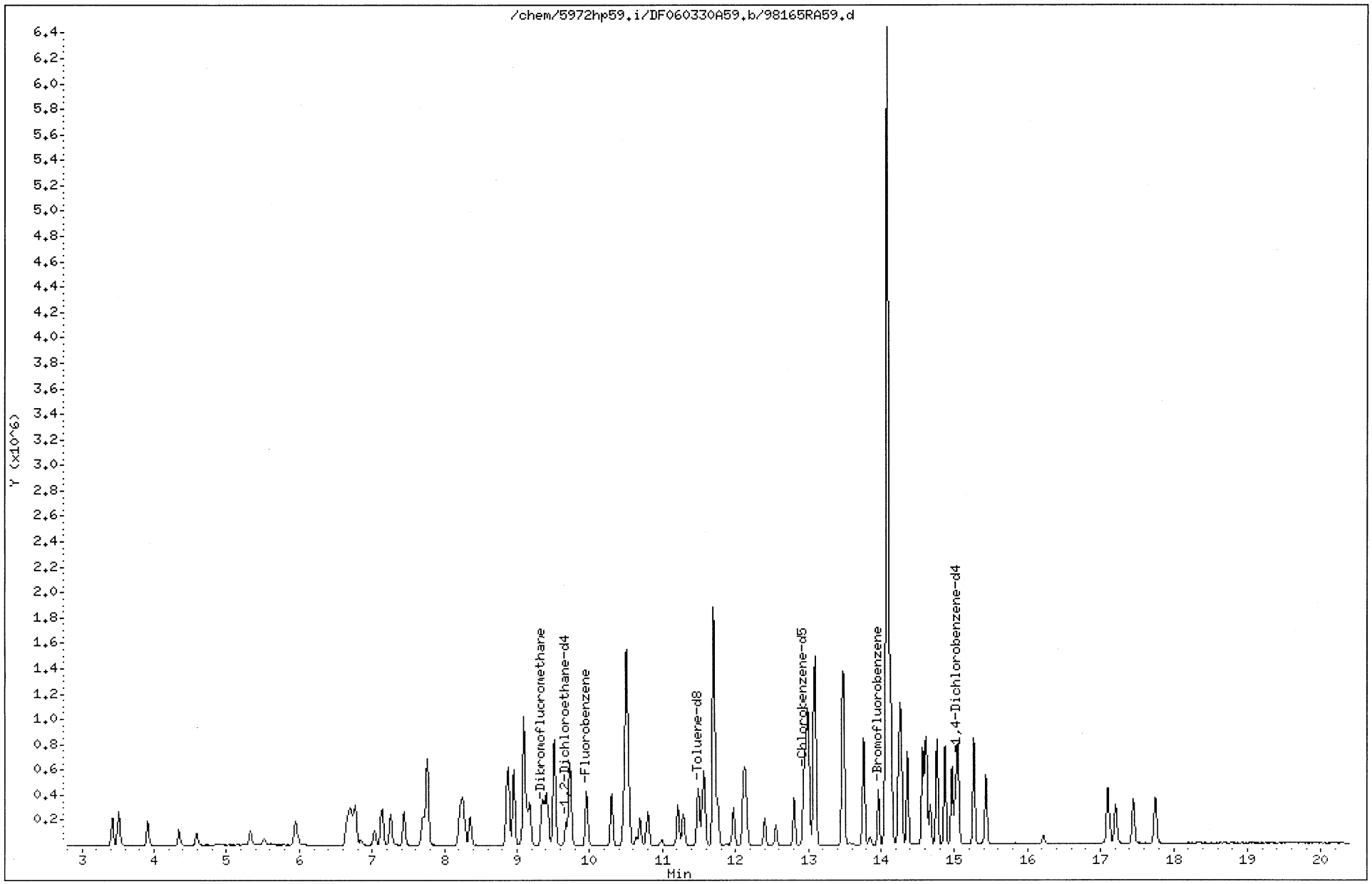
% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	66	
100-42-5	Styrene	62	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	65	
79-34-5	1,1,2,2-Tetrachloroethane	56	
541-73-1	1,3-Dichlorobenzene	68	
106-46-7	1,4-Dichlorobenzene	65	
95-50-1	1,2-Dichlorobenzene	66	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	74	
1330-20-7	Xylene (total)	190	
79-20-9	Methyl acetate	51	
110-82-7	Cyclohexane	75	
108-87-2	Methylcyclohexane	89	

Data File: /chem/5972hp59.i/DF060330A59.b/98165RA59.d
Date : 30-MAR-2006 17:11
Client ID: VPVLCS
Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0
Operator: 2473
Column phase: ZB-624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330A59.b/98165RA59.d
Report Date: 30-Mar-2006 23:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330A59.b/98165RA59.d
Lab Smp Id: 98165 Client Smp ID: VPVLCS
Inj Date : 30-MAR-2006 17:11
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330A59.b/W8260B_5ppbv8.m
Meth Date : 30-Mar-2006 23:19 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	9.962	9.947	(1.000)	550714	250.000	
*	2 Chlorobenzene-d5	117	12.935	12.930	(1.000)	385944	250.000	
*	3 1,4-Dichlorobenzene-d4	152	15.022	15.017	(1.000)	176466	250.000	
$	4 Dibromofluoromethane	113	9.341	9.327	(0.938)	161829	227.568	46
$	5 1,2-Dichloroethane-d4	65	9.676	9.662	(0.971)	147265	197.653	40
$	6 Toluene-d8	98	11.497	11.483	(0.889)	493892	213.468	43
$	7 Bromofluorobenzene	95	13.969	13.954	(0.930)	205434	220.483	44
	8 Dichlorodifluoromethane	85	3.907	3.892	(0.392)	263463	279.724	56
	9 Chloromethane	50	4.340	4.335	(0.436)	175042	258.908	52
	10 Vinyl Chloride	62	4.596	4.582	(0.461)	144831	298.333	60
	11 Bromomethane	94	5.334	5.261	(0.536)	119071	268.964	54
	12 Chloroethane	64	5.512	5.478	(0.553)	93546	379.846	76
	13 Trichlorofluoromethane	101	5.955	5.930	(0.598)	276674	274.702	55
	15 1,1-Dichloroethene	96	6.772	6.748	(0.680)	171875	297.414	59
	17 Acetone	43	6.841	6.836	(0.687)	74301	580.966	120

Data File: /chem/5972hp59.i/DF060330A59.b/98165RA59.d
Report Date: 30-Mar-2006 23:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.713	6.688	(0.674)	218807	345.421	69
20 Carbon disulfide	76	7.136	7.112	(0.716)	594483	287.107	57
23 Methyl acetate	43	7.244	7.240	(0.727)	86529	253.180	51
24 Methylene Chloride	84	7.441	7.427	(0.747)	189488	289.383	58
26 trans-1,2-Dichloroethene	96	7.766	7.752	(0.780)	186901	283.662	57
28 Methyl-tert-butyl ether	73	7.707	7.693	(0.774)	395723	266.869	53
29 1,1-Dichloroethane	63	8.268	8.254	(0.830)	333394	284.542	57
33 cis-1,2-Dichloroethene	96	8.879	8.874	(0.891)	202121	290.239	58
37 2-butanone	43	8.859	8.844	(0.889)	114165	560.713	110
40 Chloroform	83	9.174	9.169	(0.921)	330747	285.450	57
41 1,1,1-Trichloroethane	97	9.371	9.356	(0.941)	267995	278.799	56
42 Cyclohexane	56	9.410	9.396	(0.945)	284060	374.495	75
44 Carbon Tetrachloride	117	9.528	9.504	(0.956)	226928	301.127	60
45 1,2-Dichloroethane	62	9.745	9.731	(0.978)	218740	265.200	53
47 Benzene	78	9.725	9.711	(0.976)	683271	295.496	59
48 Trichloroethene	130	10.306	10.292	(1.035)	177397	296.512	59
49 Methylcyclohexane	83	10.474	10.459	(1.051)	282531	446.362	89
50 1,2-Dichloropropane	63	10.542	10.528	(1.058)	177936	293.244	59
54 Bromodichloromethane	83	10.798	10.784	(1.084)	240917	294.605	59
56 cis-1,3-Dichloropropene	75	11.212	11.197	(1.125)	284123	288.420	58
57 4-Methyl-2-pentanone	43	11.291	11.276	(0.873)	269419	589.933	120
58 Toluene	92	11.566	11.552	(0.894)	425544	284.226	57
59 trans-1,3-Dichloropropene	75	11.753	11.749	(0.909)	231604	253.568	51
60 1,1,2-Trichloroethane	97	11.970	11.965	(0.925)	133716	271.082	54
63 Tetrachloroethene	164	12.127	12.113	(0.938)	143114	341.574	68
64 2-hexanone	43	12.108	12.093	(0.936)	185761	578.513	120
65 Dibromochloromethane	129	12.403	12.399	(0.959)	161388	285.888	57
66 1,2-Dibromoethane	107	12.561	12.546	(0.971)	148674	268.934	54
67 Chlorobenzene	112	12.964	12.960	(1.002)	460787	291.987	58
70 Ethylbenzene	106	12.994	12.989	(1.005)	250186	329.968	66
72 m,p-Xylene (part of total)	106	13.092	13.078	(1.012)	612322	651.049	130
74 o-Xylene (part of total)	106	13.476	13.472	(1.042)	293663	314.738	63
75 Styrene	104	13.486	13.481	(1.043)	509990	309.171	62
76 Bromoform	173	13.752	13.737	(1.063)	102331	275.229	55
78 Isopropyl Benzene	105	13.772	13.757	(1.065)	715392	324.720	65
79 1,1,2,2-Tetrachloroethane	83	14.057	14.052	(0.936)	181952	281.655	56
91 1,3-Dichlorobenzene	146	14.973	14.958	(0.997)	344451	338.613	68
93 1,4-Dichlorobenzene	146	15.051	15.037	(1.002)	339769	326.794	65
94 1,2-Dichlorobenzene	146	15.426	15.421	(1.027)	309441	330.455	66
96 1,2-Dibromo-3-Chloropropane	157	16.213	16.209	(1.079)	29427	283.069	57
97 1,2,4-Trichlorobenzene	180	17.109	17.095	(1.139)	229908	369.182	74
M 102 Xylene (total)	106				905985	965.787	190

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VSALCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98366

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98366B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	49	
75-01-4	Vinyl Chloride	53	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	43	
75-15-0	Carbon disulfide	48	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	160	
75-09-2	Methylene Chloride	48	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl-tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	160	
67-66-3	Chloroform	48	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	54	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	160	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VSALCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 98366

Sample wt/vol: 5 (g/ml) ML Lab File ID: 98366B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/31/06

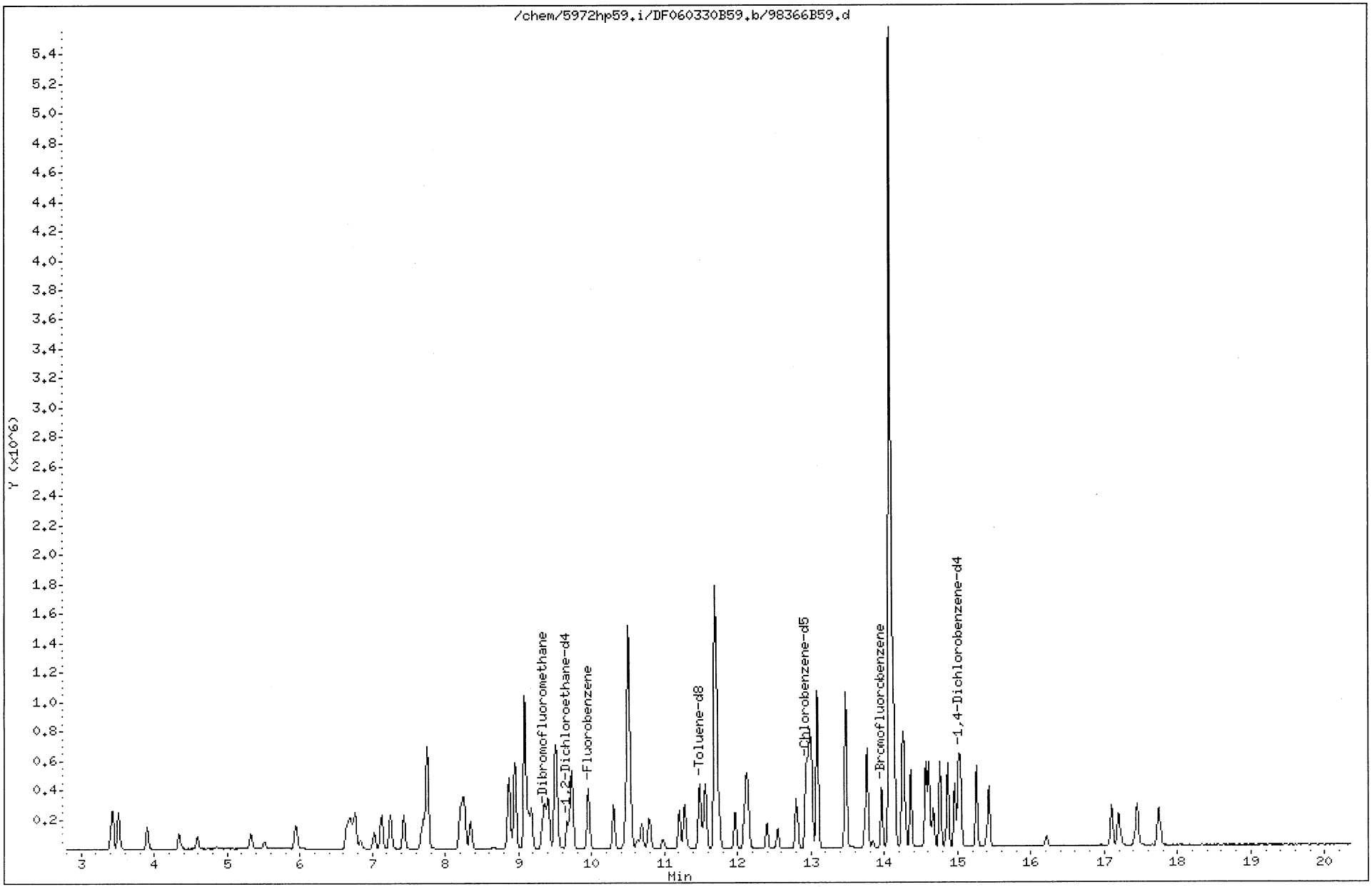
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	50	
100-42-5	Styrene	47	
75-25-2	Bromoform	49	
98-82-8	Isopropyl Benzene	55	
79-34-5	1,1,2,2-Tetrachloroethane	56	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	47	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	46	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	61	
110-82-7	Cyclohexane	67	
108-87-2	Methylcyclohexane	67	

Data File: /chem/5972hp59.i/DF060330B59.b/98366B59.d
Date : 31-MAR-2006 00:29
Client ID: VSALCS
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF060330B59.b/98366B59.d
Report Date: 31-Mar-2006 07:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF060330B59.b/98366B59.d
Lab Smp Id: 98366 Client Smp ID: VSALCS
Inj Date : 31-MAR-2006 00:29
Operator : 2481 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF060330B59.b/W8260B_5ppbv8.m
Meth Date : 31-Mar-2006 06:47 fertile Quant Type: ISTD
Cal Date : 24-MAR-2006 18:40 Cal File: GY060324A59.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.952	9.957	(1.000)	509578	250.000	
* 2 Chlorobenzene-d5	117	12.935	12.931	(1.000)	346092	250.000	
* 3 1,4-Dichlorobenzene-d4	152	15.023	15.018	(1.000)	165763	250.000	
$ 4 Dibromofluoromethane	113	9.332	9.337	(0.938)	149451	227.127	45
$ 5 1,2-Dichloroethane-d4	65	9.667	9.672	(0.971)	160630	232.994	47
$ 6 Toluene-d8	98	11.488	11.483	(0.888)	454002	218.822	44
$ 7 Bromofluorobenzene	95	13.959	13.964	(0.929)	195635	223.523	45
8 Dichlorodifluoromethane	85	3.908	3.903	(0.393)	209990	240.949	48
9 Chloromethane	50	4.341	4.336	(0.436)	152937	244.473	49
10 Vinyl Chloride	62	4.587	4.592	(0.461)	119018	264.953	53
11 Bromomethane	94	5.325	5.320	(0.535)	90618	218.398	44
12 Chloroethane	64	5.512	5.507	(0.554)	57679	246.059	49
13 Trichlorofluoromethane	101	5.946	5.950	(0.597)	220332	236.421	47
15 1,1-Dichloroethene	96	6.763	6.768	(0.679)	116028	216.983	43
17 Acetone	43	6.841	6.837	(0.687)	93438	802.024	160

Data File: /chem/5972hp59.i/DF060330B59.b/98366B59.d
Report Date: 31-Mar-2006 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19	1,1,2-trichloro-1,2,2-trifluo	101	6.704	6.709	(0.674)	155290	264.939	53
20	Carbon disulfide	76	7.127	7.132	(0.716)	460624	240.417	48
23	Methyl acetate	43	7.245	7.240	(0.728)	96373	304.746	61
24	Methylene Chloride	84	7.432	7.437	(0.747)	145579	240.273	48
26	trans-1,2-Dichloroethene	96	7.757	7.762	(0.779)	133806	219.472	44
28	Methyl-tert-butyl ether	73	7.698	7.703	(0.773)	357619	260.641	52
29	1,1-Dichloroethane	63	8.259	8.264	(0.830)	274381	253.080	51
33	cis-1,2-Dichloroethene	96	8.879	8.874	(0.892)	144603	224.407	45
37	2-butanone	43	8.850	8.855	(0.889)	148436	787.885	160
40	Chloroform	83	9.175	9.170	(0.922)	259303	241.856	48
41	1,1,1-Trichloroethane	97	9.362	9.367	(0.941)	209306	235.321	47
42	Cyclohexane	56	9.411	9.406	(0.946)	236122	336.425	67
44	Carbon Tetrachloride	117	9.519	9.524	(0.956)	170808	244.955	49
45	1,2-Dichloroethane	62	9.736	9.741	(0.978)	197856	259.244	52
47	Benzene	78	9.726	9.721	(0.977)	527670	246.624	49
48	Trichloroethene	130	10.297	10.302	(1.035)	121776	219.975	44
49	Methylcyclohexane	83	10.474	10.469	(1.052)	197453	337.132	67
50	1,2-Dichloropropane	63	10.533	10.538	(1.058)	151519	269.866	54
54	Bromodichloromethane	83	10.789	10.794	(1.084)	185922	245.707	49
56	cis-1,3-Dichloropropene	75	11.203	11.208	(1.126)	221185	242.655	49
57	4-Methyl-2-pentanone	43	11.281	11.277	(0.872)	330313	806.553	160
58	Toluene	92	11.557	11.562	(0.893)	310601	231.342	46
59	trans-1,3-Dichloropropene	75	11.754	11.749	(0.909)	199477	243.542	49
60	1,1,2-Trichloroethane	97	11.971	11.966	(0.925)	109650	247.890	50
63	Tetrachloroethene	164	12.118	12.123	(0.937)	95668	254.626	51
64	2-hexanone	43	12.099	12.104	(0.935)	235044	816.282	160
65	Dibromochloromethane	129	12.404	12.399	(0.959)	119762	236.579	47
66	1,2-Dibromoethane	107	12.551	12.547	(0.970)	121968	246.031	49
67	Chlorobenzene	112	12.965	12.960	(1.002)	331586	234.311	47
70	Ethylbenzene	106	12.995	12.990	(1.005)	169990	250.014	50
72	m,p-Xylene (part of total)	106	13.083	13.088	(1.011)	417509	495.031	99
74	o-Xylene (part of total)	106	13.467	13.472	(1.041)	208370	249.039	50
75	Styrene	104	13.477	13.482	(1.042)	348887	235.860	47
76	Bromoform	173	13.743	13.748	(1.062)	81876	245.570	49
78	Isopropyl Benzene	105	13.762	13.758	(1.064)	541087	273.883	55
79	1,1,2,2-Tetrachloroethane	83	14.048	14.053	(0.935)	171194	282.112	56
91	1,3-Dichlorobenzene	146	14.963	14.968	(0.996)	223513	233.912	47
93	1,4-Dichlorobenzene	146	15.042	15.037	(1.001)	228649	234.117	47
94	1,2-Dichlorobenzene	146	15.426	15.421	(1.027)	216544	246.181	49
96	1,2-Dibromo-3-Chloropropane	157	16.214	16.209	(1.079)	25046	256.482	51
97	1,2,4-Trichlorobenzene	180	17.100	17.095	(1.138)	134830	230.487	46
M 102	Xylene (total)	106				625879	744.070	150

d. Matrix Spike Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I VOA)

- Reconstructed Ion Chromatogram and quantitation report

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS-89

Collection Date: March 27 through March 28, 2006

LDC Report Date: May 4, 2006

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: CompuChem

Sample Delivery Group (SDG): 9456

Sample Identification

ACSGWTB05-27
ACSGWMW24-27
ACSGWMW49-27
ACSGWMW48-27
ACSGWMW11-27
ACSGWDUP04-27
ACSGWMW08-27
ACSGWMW23-27
ACSGWEB04-27
ACSGWMW10C-27
ACSGWMW29-27
ACSGWMW09R-27
ACSGWMW14-27
ACSGWMW10C-27DL

Introduction

This data review covers 14 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for selected compounds.

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

Average relative response factors (RRF) for all system performance check compounds (SPCCs) were within method criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
3/29/06	Acetone Cyclohexane Methyl cyclohexane	25.87 26.95 45.24	ACSGWTB05-27 ACSGWMW24-27 ACSGWMW49-27 ACSGWMW48-27 ACSGWMW11-27 ACSGWDUP04-27 ACSGWMW08-27 ACSGWMW23-27 ACSGWMW10C-27 VBLKNP	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
3/30/06	Tetrachloroethene Isopropylbenzene 1,2,4-Trichlorobenzene Cyclohexane Methyl cyclohexane	25.09 29.15 30.49 25.13 44.84	ACSGWEB04-27 VBLKPV	J (all detects) UJ (all non-detects)	A
3/30/06	Cyclohexane Methyl cyclohexane	38.99 42.66	ACSGWMW29-27 ACSGWMW09R-27 ACSGWMW14-27 ACSGWMW10C-27DL VBLKSA	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values for all system performance check compounds (SPCCs) were within method criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample ACSGWTB05-27 was identified as a trip blank. No volatile contaminants were found in this blank.

Sample ACSGWEB04-27 was identified as an equipment blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
ACSGWMW10C-27	Benzene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples ACSGWMW49-27 and ACSGWDUP04-27 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	ACSGWDUP04-27	ACSGWMW49-27	
Chloroethane	3.2	3.3	3
Benzene	87	86	1

ACS-89
Volatiles - Data Qualification Summary - SDG 9456

SDG	Sample	Compound	Flag	A or P	Reason
9456	ACSGWTB05-27 ACSGWMW24-27 ACSGWMW49-27 ACSGWMW48-27 ACSGWMW11-27 ACSGWDUP04-27 ACSGWMW08-27 ACSGWMW23-27 ACSGWMW10C-27	Acetone Cyclohexane Methyl cyclohexane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9456	ACSGWEB04-27	Tetrachloroethene Isopropylbenzene 1,2,4-Trichlorobenzene Cyclohexane Methyl cyclohexane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9456	ACSGWMW29-27 ACSGWMW09R-27 ACSGWMW14-27 ACSGWMW10C-27DL	Cyclohexane Methyl cyclohexane	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
9456	ACSGWMW10C-27	Benzene	J (all detects)	A	Compound quantitation and CRQLs

ACS-89
Volatiles - Laboratory Blank Data Qualification Summary - SDG 9456

No Sample Data Qualified in this SDG

ACS-89
Volatiles - Field Blank Data Qualification Summary - SDG 9456

No Sample Data Qualified in this SDG

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	3.2	J	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	87		
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0427

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945606

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945606B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	UJ
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropyl Benzene	5.0	U	UJ
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	UJ
1330-20-7	Xylene (total)	5.0	U	
79-20-9	Methyl acetate	5.0	U	
110-82-7	Cyclohexane	5.0	U	UJ
108-87-2	Methylcyclohexane	5.0	U	UJ

SK 10/2

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB04-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945610

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945610DA59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

9/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U UJ
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropyl Benzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	
1330-20-7	Xylene (total)	5.0	U	
79-20-9	Methyl acetate	5.0	U	
110-82-7	Cyclohexane	5.0	U	UJ
108-87-2	Methylcyclohexane	5.0	U	UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW08-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945608

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945608B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.5	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW09R27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945613

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945613B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	8.0	J
2.		UNKNOWN	9.74	18	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	470	E	J
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropyl Benzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	
1330-20-7	Xylene (total)	5.0	U	
79-20-9	Methyl acetate	5.0	U	
110-82-7	Cyclohexane	5.0	U	UJ
108-87-2	Methylcyclohexane	5.0	U	UJ

5/8/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

5/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
75-15-0	Carbon disulfide	17	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	17	U
67-64-1	Acetone	42	U
75-09-2	Methylene Chloride	17	U
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl-tert-butyl ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-butanone	42	U
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	530	D
107-06-2	1,2-Dichloroethane	17	U
79-01-6	Trichloroethene	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-pentanone	42	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-hexanone	42	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U

4/11/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropyl Benzene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-Chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U
1330-20-7	Xylene (total)	17	U
79-20-9	Methyl acetate	17	U
110-82-7	Cyclohexane	17	U UJ
108-87-2	Methylcyclohexane	17	U UJ

5/1/07

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C27DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945607

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945607D2A59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 3.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/7/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW11-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945605

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945605B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/4/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

4/3/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropyl Benzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	
1330-20-7	Xylene (total)	5.0	U	
79-20-9	Methyl acetate	5.0	U	
110-82-7	Cyclohexane	5.0	U	uJ
108-87-2	Methylcyclohexane	5.0	U	uJ

4/3/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW14-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945611

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945611B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	6.1	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

US

FORM I VOA

8/15/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW23-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945609

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945609B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	6.37	12	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

5/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW24-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945602

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945602B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	5.5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	80	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

8/15/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW29-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945612

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945612B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/31/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	10	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/3/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	4.6	J	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	7.3		
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

8/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945604

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945604B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	3.3	J	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	UJ
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	86		
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

8/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW49-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945603

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945603B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	7.8	J
2.		UNKNOWN	9.68	22	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	5.0	U	
74-87-3	Chloromethane	5.0	U	
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U	
67-64-1	Acetone	13	U	u5
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl-tert-butyl ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
78-93-3	2-butanone	13	U	
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	13	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-hexanone	13	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U UJ

4/5/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB05-27

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9456

Matrix: (soil/water) WATER Lab Sample ID: 945601

Sample wt/vol: 5 (g/ml) ML Lab File ID: 945601B59

Level: (low/med) LOW Date Received: 03/29/06

% Moisture: not dec. _____ Date Analyzed: 03/30/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4/5/06

LDC #: 14869D1
SDG #: 9456
Laboratory: CompuChem

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 4/28/06
Page: 1 of 1
Reviewer: VG
2nd Reviewer: CL

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/27 - 28/06
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r✓
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client specified
VIII.	Laboratory control samples	A	
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	SW	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 3, 6
XVII.	Field blanks	ND	TB = 1 EB = 10

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	ACSGWTB05-27	11	ACSGWMW10C-27	21	VBLK NP	31	
2	ACSGWMW24-27	12	ACSGWMW29-27	22	VBLK PV	32	
3	ACSGWMW49-27 D	13	ACSGWMW09R-27	23	VBLK SA	33	
4	ACSGWMW48-27	14	ACSGWMW14-27	24		34	
5	ACSGWMW11-27	15	ACSGWMW10C-27 DL	25		35	
6	ACSGWDUP04-27 D	16		26		36	
7	~~ACSGWMW10-27~~	17		27		37	
8	ACSGWMW08-27	18		28		38	
9	ACSGWMW23-27	19		29		39	
10	ACSGWEB04-27	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Cyclohexane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO. Methyl cyclohexane
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 14869B1
SDG #: 9456

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JW
2nd Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <25.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	3/29/06	GTO 60329 B59	F	25.87		1-6, 8, 9, 11, VBLKNP	J/UJ/A
			NNNN	36.95			
			0000	45.24			
	3/30/06	GTO 060330A59	AA	25.09		10, VBLK PV	J/UJ/A
			VV	29.15			
			KKK	30.49			
			NNNN	25.13			
			0000	44.84			
	3/30/06	GTO 060330 B59	NNNN	38.99		12-15 VBLKSA	J/UJ/A
			0000	42.66			

CONCAL.1S

LDC #: 14869 D1
SDG #: 9456

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: JVC
2nd Reviewer: CT

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		11	V > cal range		J dets /A

Comments: See sample calculation verification worksheet for recalculations

LDC #: 14869D1
SDG #: 9456

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVC
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/kg)		RPD
	6	6 3	
D	3.2	3.3	3
V	87	86	1

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT

American Chemical Service

05/24/06

Table of Contents

Section	Title	Page No.
1.0	Introduction	1
2.0	Volatile Organic Compounds	5
2.1	Precision and Accuracy	5
2.2	Representativeness	6
2.3	Comparability	7
2.4	Completeness	7
3.0	Variances	7
4.0	Summary of PARCC Criteria	7
4.1	Precision and Accuracy	8
4.2	Representativeness	8
4.3	Comparability	8
4.4	Completeness	8

Glossary

CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DQO	Data Quality Objectives
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
mg/Kg	Milligrams per Kilogram
MS/MSD	Matrix Spike / Matrix Spike Duplicate
PARCC	Precision,Accuracy,Representativeness,Comparability, Completeness
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance / Quality Control
RPD	Relative Percent Difference
RRF	Relative Response Factor
RL	Reporting Limit
SDG	Sample Delivery Group
ug/Kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT
American Chemical Service

1.0 INTRODUCTION

Remedial design/remedial action was conducted at the American Chemical Service, Inc. NPL Site in Griffith, Indiana. This part of the site investigation included the collection and analyses of 52 groundwater and quality control (QC) samples. The analyses were performed by the following method:

Volatile Organics by EPA SW 846 Method 8260B

Analytical services were provided by Compuchem who performed analyses on the groundwater samples. The samples were grouped into sample delivery groups (SDGs) of up to 20 field samples received by the laboratory. The environmental samples are associated with QA/QC samples designed to document the data quality of the entire SDG or a sub-group of samples within an SDG. Table I in Appendix A is a cross-reference table listing each sample, analysis, SDG, collection date, laboratory sample number, and matrix. All shaded samples in Table I in Appendix A were reviewed under EPA Level 4 guidelines.

Approximately ten percent of the analytical data were validated according to EPA Level 4 data validation procedures and ninety percent of the analytical data were validated according to EPA Level 3 data validation procedures. The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents: *The Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, October 2004, and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste.*

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, and comparability (PARCC) relative to the project data quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

The PARCC summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCC criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 8 presents a summary of the PARCC criteria by comparing quantitative parameters with acceptability criteria defined in the project DQO's. Qualitative PARCC criteria are also summarized in this section.

Precision and Accuracy of Environmental Data

Environmental data quality depends on sample collection procedures, analytical methods and instrumentation, documentation, and sample matrix properties. Both sampling procedures and laboratory analyses contain potential sources of uncertainty, error, and/or bias, which affect the overall quality of a measurement. Errors in sample data may result from incomplete equipment decontamination, inappropriate sampling techniques, sample heterogeneity, improper filtering,

and improper preservation. The accuracy of analytical results is dependent on selecting appropriate analytical methods, maintaining equipment properly, and complying with QC requirements. The sample matrix also is an important factor in the ability to obtain precise and accurate results within a given media.

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: trip blanks, equipment rinsate blanks, field duplicates, method blanks, laboratory control samples (LCSs), surrogate spikes, matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates.

Before conducting the PARCC evaluation, the analytical data were validated according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, and the Functional Guidelines for Organic Data Review (USEPA 1999) and EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste. Samples not meeting the project procedures manual and the Functional Guideline acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

J Estimated The associated numerical value is an estimated quantity. The analyte was detected but the reported value may not be accurate or precise. The "J" qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

R Rejected The data is unusable (the compound or analyte may or may not be present). Use of the "R" qualifier indicates a significant variance from functional guideline acceptance criteria. Either resampling or reanalysis is necessary to determine the presence or absence of the rejected analyte.

UB Analyte was not detected at or above the indicated concentration due to blank contamination. The "UB" flag is used to qualify any result detected in an environmental sample at a concentration less than 10 times the value of the concentration in any associated blank for common laboratory contaminants and less than 5 times the concentration in any associated blank for all other contaminants

B Analyte was positively detected in a sample and in an associated blank. The "B" flag is used to to qualify any result detected in an environmental sample at a concentration greater than 10 times the value of the concentration in any associated blank for common laboratory contaminants and greater than 5 times the concentration in any associated blank for all other contaminants

UJ Estimated/Nondetected Analyses were performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate, internal standard, or other spike recovery.

Once the data are reviewed and qualified according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001 and the functional guidelines, the data set is then evaluated using PARCC criteria. PARCC criteria provide an evaluation of overall data usability. The following is a discussion of PARCC criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from percent recovery data. Precision is expressed as the relative percent difference (RPD):

$$RPD = (D1-D2)/\{1/2(D1+D2)\} \times 100$$

Where D1 and D2 are the reported concentrations for sample and duplicate analyses. Precision is primarily assessed by calculating an RPD from the percent recoveries of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or LCS/LCSD pair can be analyzed as an alternative means of assessing precision. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria.

MS and MSD samples are field samples spiked by the laboratory with target analytes prior to preparation and analysis. These samples measure the overall efficiency of the analytical method in recovering target analytes from an environmental matrix. A LCS is similar to an MS/MSD sample in that the LCS is spiked with the same target analytes prior to preparation and analysis. However, the LCS is prepared using a controlled interference-free matrix instead of a field sample aliquot. Laboratory reagent water is used to prepare aqueous LCS. Non-aqueous LCSs are prepared using solid media approved by the American Society for Testing and Materials (ASTM) for their homogeneity. The LCS measures laboratory efficiency in recovering target analytes from either a solid or aqueous matrix in the absence of matrix interferences.

Laboratory and field sampling precision are further evaluated by calculating RPDs for aqueous field sample duplicate pairs. The sampler collects two field samples at the same location and under identically controlled conditions. The laboratory then analyzes the samples under identical conditions.

An RPD outside the numerical QC limit in either MS/MSD samples or LCS/LCSD indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analyte concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results maybe reported in either the primary or duplicate samples at levels below the reporting limit or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation, analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, LCS, and samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to every blank, environmental sample, MS/MSD, and standard, for volatile organic (VOC) analyses.

Percent recovery (%R) is calculated using the following equation:

$$\%R = (A-B)/C \times 100$$

where:
A = measured concentration in the spiked sample
B = measured concentration of the spike compound in the unspiked sample
C = concentration of the spike

The percent recovery of each analyte spiked in MS/MSD samples, LCS, and surrogate compounds added to environmental samples is evaluated with the acceptance criteria specified by the previously noted documents. Spike recoveries outside the acceptable QC accuracy limits provide an indication of bias, where the reported data may overestimate or underestimate the actual concentration of compounds detected or quantitation limits reported for environmental samples.

Representativeness is a qualitative parameter that expresses the degree to which the sample data are characteristic of a population. It is evaluated by reviewing the QC results of blank samples and holding times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are method blanks, equipment rinsate blanks, and trip blanks.

A method blank is a laboratory grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. The method blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments, reagents, and sample preparation steps. Method blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

Trip blanks are used to identify possible volatile organic contamination introduced into the sample during transport. A trip blank is a sample bottle filled in the laboratory with reagent-grade water and preserved to a pH less than 2 with hydrochloric acid. It is transported to the site, stored with the sample containers, and returned unopened to the laboratory for analysis. Additionally, for inorganic analyses, initial and continuing calibration blanks consist of acidified laboratory grade water, which are injected at the beginning and at a regular frequency during each 12 - hour sample analysis run. These blanks estimate residual contaminants from the previous sample or standards analysis and measure baseline shifts that commonly occur in emission and absorption spectroscopy.

Contaminants found in both the environmental sample and a blank sample are assumed to be laboratory artifacts if the concentration in the environmental sample is less than 10 times the blank value for common laboratory contaminants; methylene chloride, acetone, 2-butanone, and phthalate esters or 5 times the blank value for other laboratory contaminants.

Holding times are evaluated to assure that the sample integrity is intact for accurate sample preparation and analysis. Holding times will be specific for each method and matrix analyzed. Holding time exceedances can cause loss of sample constituents due to biodegradation, precipitation, volatization, and chemical degradation.

Comparability is a qualitative expression of the confidence with which one data set may be compared to another. It provides an assessment of the equivalence of the analytical results to data obtained from other analyses. It is important that data sets be comparable if they are used

in conjunction with other data sets. The factors affecting comparability include the following: sample collection and handling techniques, matrix type, and analytical method. If these aspects of sampling and analysis are carried out according to standard analytical procedures, the data are considered comparable. Comparability is also dependent upon other PARCC criteria, because only when precision, accuracy, and representativeness are known can data sets be compared with confidence.

Completeness is defined as the percentage of acceptable sample results compared to the total number of sample results. Completeness is evaluated to determine if an acceptable amount of usable data were obtained so that a valid scientific site assessment can be completed. Completeness equals the total number of sample results for each fraction minus the total number of rejected sample results divided by the total number of sample results multiplied by 100. As specified in the project DQOs, the goal for completeness for target analytes in each analytical fraction is 95 percent.

Percent completeness is calculated using the following equation:

$$\%C = (T - R)/T \times 100$$

where:
%C = percent completeness
T = total number of sample results
R = total number of rejected sample results

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the QAPP, with the number determined above.

The following sections present a review of QC data for each analytical method.

2.0 VOLATILE ORGANIC COMPOUNDS

A total of fifty two water samples were analyzed for volatile organic compounds (VOC) by EPA SW 846 Method 8260B. All volatile data were assessed to be valid since none of the 2496 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Instrument Calibration

Initial and continuing calibration results provide a means of evaluating accuracy within a particular SDG. Relative response factor (RRF), percent relative standard deviation (%RSD), and percent difference (%D) are the three major parameters used to measure the effectiveness of instrument calibration. RRF is a measure of the relative spectral response of an analyte compared to its internal standard. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest routine instrumental anomalies, which typically impact all sample results for the affected compounds.

The relative response factors for these compounds were above the criteria for acceptance of 0.05 in the initial calibration and/or the continuing calibration standards

One hundred twenty seven VOC results were qualified detected estimated (J) and non-detected estimated (UJ). The percent difference between the initial calibration mean relative response factors and the continuing calibration relative response factors for cyclohexane, methylcyclohexane, acetone, tetrachloroethene, isopropylbenzene and 1,2,4-trichlorobenzene were outside the acceptance criteria of 25 percent. The affected samples are identified in the data validation reports.

2.1.2 Surrogates

No data were qualified based on surrogate nonconformances. For those SDGs with surrogate results, the recoveries were evaluated against the acceptance criteria.

2.1.3 MS/MSD Samples

No data were qualified based on MS/MSD nonconformances. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

2.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

2.1.5 Internal Standards

No data were qualified based on internal standard nonconformances. The recoveries and retention times were evaluated against the acceptance criteria.

2.1.6 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

2.1.7 Compound Quantitation and Target Identification

All compound quantitation and target identification was found to be acceptable with the exception of benzene which was detected above the calibration range for three samples.

2.2 Representativeness

2.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

2.2.2 Blanks

Method blanks and trip blanks were collected and analyzed to evaluate representativeness. The concentration for an individual target compounds in any of the three types of QA/QC blanks were used for data qualification.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation. The corrective action consisted of amending the

laboratory reported results for organic compounds based on the following criteria. The validation qualifier codes used in the blank summary tables are described below.

Results Below the RL If a sample result for the blank contaminant was less than the RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result was amended as a non-detected at the RL for the target compound and qualified with UB

Results Above the RL If a sample result for the blank contaminant was greater than the sample RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result for the blank contaminant was amended as a non-detect at the concentration reported in the sample results and qualified with UB.

If a sample result for the blank contaminant was greater than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the result was not amended and qualified with B.

2.2.2.1 Method Blanks

No QC issues were associated with the method blanks for this analysis.

2.2.2.2 Trip Blanks and Equipment Blanks

As a result of trip blank and equipment blank contamination, two toluene and five acetone results were qualified as non-detected (UB). The details regarding the qualification of results are provided in the data validation reports.

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target compounds detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

2.4 Completeness

The completeness level attained for volatile organic field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

3.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all of the analyses throughout the project. No systematic variances in analytical performance were noted according to the laboratory SOW.

4.0 SUMMARY OF PARCC CRITERIA

The validation reports present the PARCC results for all SDGs. Each PARCC criterion is discussed in detail in the following sections.

4.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as MS/MSD, LCS, and surrogates. The precision and accuracy of the data set were considered acceptable after integration of qualification of estimated results as specifically noted in the data validation reports.

4.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after qualification for blank contamination.

4.3 Comparability

Sampling frequency requirements were met in obtaining duplicates and necessary field blanks. The laboratory used standard analytical methods for their analyses. The analytical results were reported in correct standard units. Holding times, sample preservation, and sample integrity were within QC criteria. The overall comparability is considered acceptable.

4.4 Completeness

Of the 2496 total analytes reported, none of the sample results were rejected. The completeness for all SDGs is as follows:

Parameter/Method	Total Analytes	No. of Rejects	%Completeness
Volatiles	2496	0	100
Total	**2496**	**0**	**100**

The completeness percentage based on rejected data met the 95 percent DQO goal. A less quantifiable loss of data occurred in the application of blank qualifications.

Appendix D
Pumping Data from Monitoring Wells MW10C and MW56

Pumping Data for Lower Aquifer Monitoring Well MW56

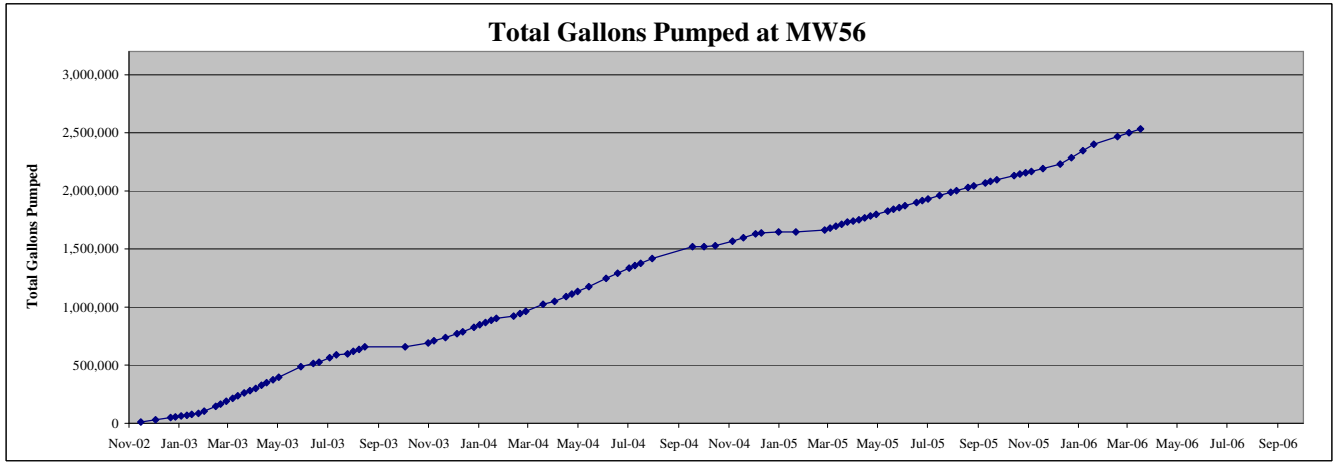
MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	1	10,620	---	---
12/03/02	1	31,620	18	1,167
12/21/02	1.5	50,130	18	1,028
12/27/02	1.5	54,870	6	790
01/03/03	1.5	63,460	7	1,227
01/10/03	1.5	70,130	7	953
01/16/03	1.5	77,380	6	1,208
01/24/03	1.5	84,840	8	933
01/31/03	2	105,400	7	2,937
02/14/03	2	147,310	14	2,994
02/20/03	2	166,550	6	3,207
02/27/03	2	190,130	7	3,369
03/07/03	2	215,980	8	3,231
03/13/03	2	236,440	6	3,410
03/21/03	2	261,380	8	3,118
03/28/03	2	279,930	7	2,650
04/04/03	2	299,360	7	2,776
04/11/03	2	327,490	7	4,019
04/17/03	2	348,540	6	3,508
04/25/03	2	373,590	8	3,131
05/02/03	2	395,770	7	3,169
05/29/03	2	486,640	27	3,366
06/13/03	2	514,120	15	1,832
06/20/03	2	526,930	7	1,830
07/03/03	2	565,650	13	2,978
07/11/03	2	589,150	8	2,938
07/25/03	2	598,780	14	688

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	2	620,210	7	3,061
08/08/03	2	636,400	7	2,313
08/15/03	2	657,820	7	3,060
10/03/03	2	657,850	49	1
10/31/03	2	690,420	28	1,163
11/07/03	2	709,130	7	2,673
11/21/03	2	738,920	14	2,128
12/05/03	2	770,530	14	2,258
12/12/03	2	787,800	7	2,467
12/26/03	2	827,060	14	2,804
01/02/04	2	846,960	7	2,843
01/09/04	2	866,310	7	2,764
01/16/04	2	886,330	7	2,860
01/22/04	2	903,320	6	2,832
02/12/04	2	921,350	21	859
02/20/04	2	943,660	8	2,789
02/27/04	2	962,930	7	2,753
03/19/04	2	1,024,620	21	2,938
04/02/04	2	1,049,020	14	1,743
04/16/04	2	1,090,960	14	2,996
04/23/04	2	1,113,640	7	3,240
04/30/04	2	1,135,930	7	3,184
05/14/04	2	1,175,970	14	2,860
06/04/04	2	1,247,530	21	3,408
06/18/04	2	1,291,550	14	3,144
07/02/04	2	1,335,500	14	3,139
07/09/04	2	1,358,500	7	3,286

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	2	1,376,990	7	2,641
07/30/04	2	1,419,610	14	3,044
09/17/04	0	1,519,670	49	2,042
10/01/04	0	1,519,670	14	0
10/15/04	2	1,527,850	14	584
11/05/04	2	1,566,020	21	1,818
11/18/04	2	1,596,200	13	2,322
12/03/04	2	1,631,330	15	2,342
12/10/04	2	1,639,050	7	1,103
12/31/04	2	1,646,830	21	370
01/21/05	2	1,646,880	21	2
02/25/05	2	1,663,450	35	473
03/04/05	2	1,680,530	7	2,440
03/11/05	2	1,697,570	7	2,434
03/18/05	2	1,714,240	7	2,381
03/25/05	2	1,731,870	7	2,519
04/01/05	2	1,739,870	7	1,143
04/08/05	2	1,751,960	7	1,727
04/15/05	2	1,769,170	7	2,459
04/22/05	2	1,784,480	7	2,187
04/29/05	2	1,799,460	7	2,140
05/13/05	2	1,826,680	14	1,944
05/20/05	2	1,841,400	7	2,103
05/27/05	2	1,857,330	7	2,276
06/03/05	2	1,871,780	7	2,064
06/17/05	2	1,900,740	14	2,069
06/24/05	2	1,916,160	7	2,203

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	2	1,931,420	7	2,180
07/15/05	2	1,960,260	14	2,060
07/29/05	2	1,987,950	14	1,978
08/05/05	2	2,001,660	7	1,959
08/19/05	2	2,028,380	14	1,909
08/26/05	2	2,042,200	7	1,974
09/09/05	2	2,069,090	14	1,921
09/15/05	2	2,081,920	6	2,138
09/23/05	2	2,094,760	8	1,605
10/14/05	2	2,132,300	21	1,788
10/21/05	2	2,144,310	7	1,716
10/28/05	2	2,155,830	7	1,646
11/04/05	2	2,168,050	7	1,746
11/18/05	2	2,190,910	7	3,266
12/09/05	2	2,231,120	21	1,915
12/23/05	2	2,286,340	14	3,944
01/06/06	2	2,347,510	14	4,369
01/19/06	2	2,402,140	13	4,202
02/17/06	2	2,467,430	29	2,251
03/03/06	2	2,501,260	14	2,416
03/17/06	2	2,533,240	14	2,284

GPM - Gallons per minute



Pumping Data for Lower Aquifer Monitoring Well MW10C

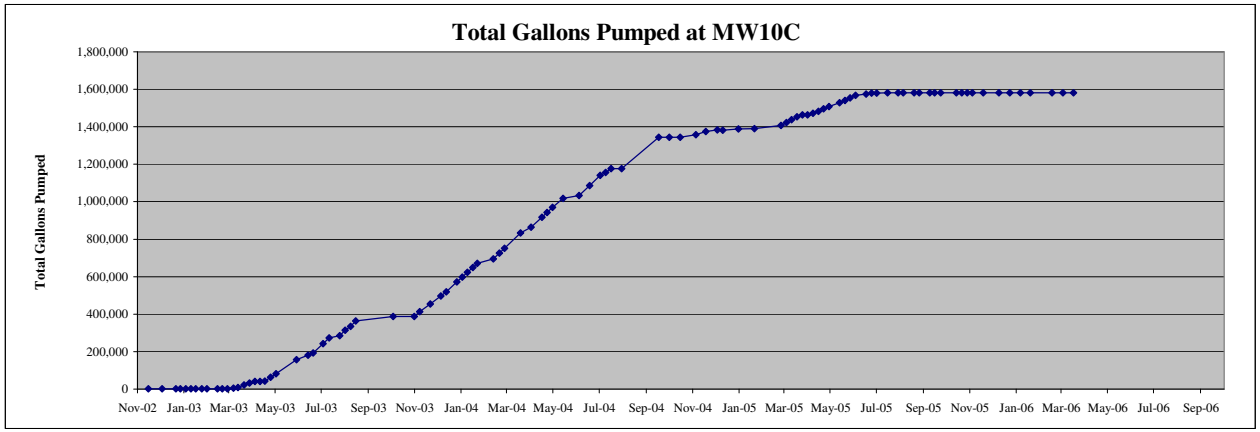
MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	0.5	1,580	---	---
12/03/02	0.5	1,580	18	0
12/21/02	0.5	1,580	18	0
12/27/02	0.5	1,580	6	0
01/03/03	0.5	1,580	7	0
01/10/03	0.5	1,580	7	0
01/16/03	0.5	1,580	6	0
01/24/03	0.5	1,580	8	0
01/31/03	0.5	1,580	7	0
02/14/03	0.5	2,210	14	45
02/20/03	0.5	2,210	6	0
02/27/03	0.5	2,210	7	0
03/07/03	1	5,840	8	454
03/13/03	1	9,350	6	585
03/21/03	1	22,470	8	1,640
03/28/03	1	32,930	7	1,494
04/04/03	1	40,800	7	1,124
04/11/03	1	40,810	7	1
04/17/03	1	42,750	6	323
04/25/03	1	63,370	8	2,578
05/02/03	1	81,750	7	2,626
05/29/03	1	156,790	27	2,779
06/13/03	1	180,950	15	1,611
06/20/03	1	192,880	7	1,704
07/03/03	1	242,300	13	3,802
07/11/03	1	272,930	8	3,829
07/25/03	2	285,410	14	891

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	2	313,850	7	4,063
08/08/03	2	335,510	7	3,094
08/15/03	2	364,550	7	4,149
10/03/03	2	387,450	49	467
10/31/03	2	388,270	28	29
11/07/03	2	414,050	7	3,683
11/21/03	2	454,920	14	2,919
12/05/03	2	496,910	14	2,999
12/12/03	2	519,610	7	3,243
12/26/03	2	571,330	14	3,694
01/02/04	2	597,570	7	3,749
01/09/04	2	622,910	7	3,620
01/16/04	2	649,150	7	3,749
01/22/04	2	671,460	6	3,718
02/12/04	2	695,330	21	1,137
02/20/04	2	725,160	8	3,729
02/27/04	2	751,020	7	3,694
03/19/04	2	832,820	21	3,895
04/02/04	2	864,160	14	2,239
04/16/04	2	916,440	14	3,734
04/23/04	2	942,880	7	3,777
04/30/04	2	969,850	7	3,853
05/14/04	2	1,018,210	14	3,454
06/04/04	2	1,032,860	21	698
06/18/04	2	1,086,740	14	3,849
07/02/04	2	1,140,680	14	3,853
07/09/04	2	1,155,710	7	2,147

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	2	1,176,790	7	3,011
07/30/04	2	1,177,420	14	45
09/17/04	0	1,343,810	49	3,396
10/01/04	0	1,343,810	14	0
10/15/04	0	1,343,810	14	0
11/05/04	2	1,357,770	21	665
11/18/04	2	1,374,910	13	1,318
12/03/04	0	1,383,070	15	544
12/10/04	2	1,382,350	7	-103
12/31/04	2	1,387,670	21	253
01/21/05	0	1,390,950	21	156
02/25/05	2	1,406,420	35	442
03/04/05	2	1,422,220	7	2,257
03/11/05	2	1,438,120	7	2,271
03/18/05	2	1,453,770	7	2,236
03/25/05	2	1,463,610	7	1,406
04/01/05	2	1,463,620	7	1
04/08/05	2	1,471,410	7	1,113
04/15/05	2	1,482,000	7	1,513
04/22/05	2	1,495,950	7	1,993
04/29/05	2	1,508,600	7	1,807
05/13/05	2	1,528,470	14	1,419
05/20/05	2	1,540,490	7	1,717
05/27/05	2	1,553,460	7	1,853
06/03/05	2	1,567,280	7	1,974
06/17/05	2	1,575,070	14	556
06/24/05	2	1,579,860	7	684

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	0	1,579,860	7	0
07/15/05	<1	1,581,440	14	113
07/29/05	0	1,581,440	14	0
08/05/05	0	1,581,440	7	0
08/19/05	0	1,581,440	14	0
08/26/05	0	1,581,440	7	0
09/09/05	0	1,581,440	14	0
09/15/05	0	1,581,440	6	0
09/23/05	0	1,581,440	8	0
10/14/05	0	1,581,440	21	0
10/21/05	0	1,581,440	7	0
10/28/05	0	1,581,440	7	0
11/04/05	0	1,581,440	7	0
11/18/05	0	1,581,440	14	0
12/09/05	0	1,581,440	21	0
12/23/05	0	1,581,440	14	0
01/06/06	0	1,581,440	14	0
01/19/06	0	1,581,440	13	0
02/17/06	0	1,581,440	29	0
03/03/06	0	1,581,440	14	0
03/17/06	0	1,581,440	14	0

GPM - Gallons per minute

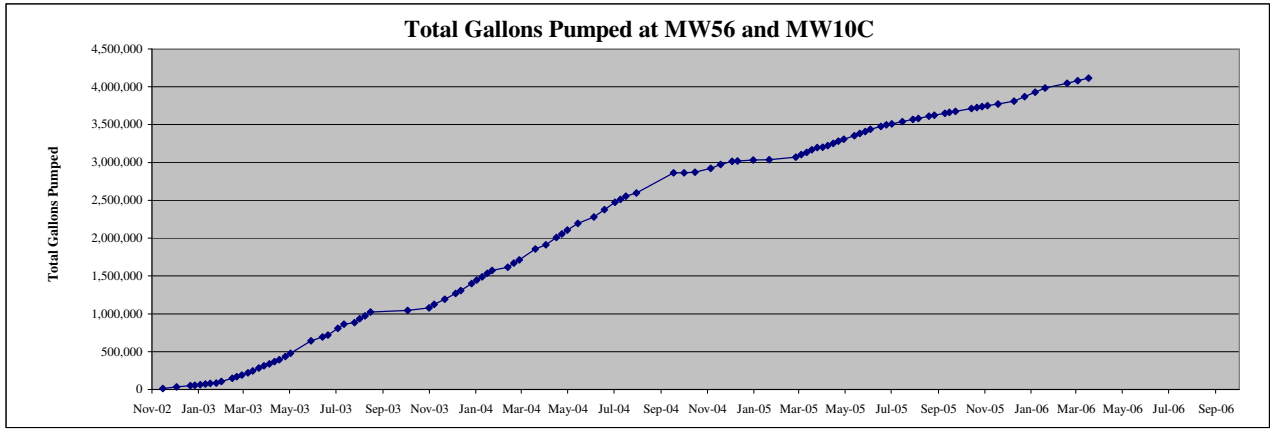


Combined Pumping Data for Lower Aquifer Monitoring Wells MW10C and MW56

MW56 and MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	1.5	12,200	---	---
12/03/02	1.5	33,200	18	1,167
12/21/02	2	51,710	18	1,028
12/27/02	2	56,450	6	790
01/03/03	2	65,040	7	1,227
01/10/03	2	71,710	7	953
01/16/03	2	78,960	6	1,208
01/24/03	2	86,420	8	933
01/31/03	2.5	106,980	7	2,937
02/14/03	2.5	149,520	14	3,039
02/20/03	2.5	168,760	6	3,207
02/27/03	2.5	192,340	7	3,369
03/07/03	3	221,820	8	3,685
03/13/03	3	245,790	6	3,995
03/21/03	3	283,850	8	4,758
03/28/03	3	312,860	7	4,144
04/04/03	3	340,160	7	3,900
04/11/03	3	368,300	7	4,020
04/17/03	3	391,290	6	3,832
04/25/03	3	436,960	8	5,709
05/02/03	3	477,520	7	5,794
05/29/03	3	643,430	27	6,145
06/13/03	3	695,070	15	3,443
06/20/03	3	719,810	7	3,534
07/03/03	3	807,950	13	6,780
07/11/03	3	862,080	8	6,766
07/25/03	4	884,190	14	1,579

MW56 and MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	4	934,060	7	4,607
08/08/03	4	971,910	7	5,407
08/15/03	4	1,022,370	7	7,209
10/03/03	4	1,045,300	49	468
10/31/03	4	1,078,690	28	1,193
11/07/03	4	1,123,180	7	6,356
11/21/03	4	1,193,840	14	5,047
12/05/03	4	1,267,440	14	5,257
12/12/03	4	1,307,410	7	5,710
12/26/03	4	1,398,390	14	6,499
01/02/04	4	1,444,530	7	6,591
01/09/04	4	1,489,220	7	6,384
01/16/04	4	1,535,480	7	6,609
01/22/04	4	1,574,780	6	6,550
02/12/04	4	1,616,680	21	1,995
02/20/04	4	1,668,820	8	6,518
02/27/04	4	1,713,950	7	6,447
03/19/04	4	1,857,440	21	6,833
04/02/04	4	1,913,180	14	3,981
04/16/04	4	2,007,400	14	6,730
04/23/04	4	2,056,520	7	7,017
04/30/04	4	2,105,780	7	7,037
05/14/04	4	2,194,180	14	6,314
06/04/04	4	2,280,390	21	4,105
06/18/04	4	2,378,290	14	6,993
07/02/04	4	2,476,180	14	6,992
07/09/04	4	2,514,210	7	5,433

MW56 and MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	4	2,553,780	7	5,653
07/30/04	4	2,597,030	14	3,089
09/17/04	0	2,863,480	49	5,438
10/01/04	0	2,863,480	14	0
10/15/04	0	2,871,660	14	584
11/05/04	2	2,923,790	21	2,482
11/18/04	2	2,971,110	13	3,640
12/03/04	0	3,014,400	15	2,886
12/10/04	2	3,021,400	7	1,000
12/31/04	4	3,034,500	21	624
01/21/05	2	3,037,830	21	159
02/25/05	4	3,069,870	35	915
03/04/05	4	3,102,750	7	4,697
03/11/05	4	3,135,690	7	4,706
03/18/05	4	3,168,010	7	4,617
03/25/05	4	3,195,480	7	3,924
04/01/05	4	3,203,490	7	1,144
04/08/05	4	3,223,370	7	2,840
04/15/05	4	3,251,170	7	3,971
04/22/05	4	3,280,430	7	4,180
04/29/05	4	3,308,060	7	3,947
05/13/05	4	3,355,150	14	3,364
05/20/05	4	3,381,890	7	3,820
05/27/05	4	3,410,790	7	4,129
06/03/05	4	3,439,060	7	4,039
06/17/05	4	3,475,810	14	2,625
06/24/05	4	3,496,020	7	2,887

MW56 and MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	2	3,511,280	7	2,180
07/15/05	2	3,541,700	14	2,173
07/29/05	2	3,569,390	14	1,978
08/05/05	2	3,583,100	7	1,959
08/19/05	2	3,609,820	14	1,909
08/26/05	2	3,623,640	7	1,974
09/09/05	2	3,650,530	14	1,921
09/15/05	2	3,663,360	6	2,138
09/23/05	2	3,676,200	8	1,605
10/14/05	2	3,713,740	21	1,788
10/21/05	2	3,725,750	7	1,716
10/28/05	2	3,737,270	7	1,646
11/04/05	2	3,749,490	7	1,746
11/18/05	2	3,772,350	7	3,266
12/09/05	2	3,812,560	21	1,915
12/23/05	2	3,867,780	14	3,944
01/06/06	2	3,928,950	14	4,369
01/19/06	2	3,983,580	13	4,202
02/17/06	2	4,048,870	29	2,251
03/03/06	2	4,082,700	14	2,416
03/17/06	2	4,114,680	14	2,284

GPM - Gallons per minute