Groundwater Monitoring Summary Report
September 2005 (Third Quarter)
American Chemical Service, Inc.
National Priorities List Site
Griffith, Indiana

VOLUME I OF II
(TEXT, TABLES, FIGURES, APPENDICES A THRU C [MONITORING WELLS])

PREPARED FOR:

ACS RD/RA EXECUTIVE COMMITTEE

PREPARED BY:

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JANUARY 2006

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MWH

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SECTION 1.0 – EXECUTIVE SUMMARY

MWH Americas (MWH) has prepared this Groundwater Monitoring Summary Report to present the results from the September 2005 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 September 2005 sampling event, water level measurements were collected at 76 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 annual sampling of five residential wells was conducted during September 2005. The monitoring well samples were analyzed for indicator volatile organic compounds (VOCs) and the residential well samples were analyzed for low-concentration organics (VOCs, semi-volatile organic compounds [SVOCs], pesticides and poly-chlorinated biphenyls [PCBs]), and inorganic compounds (metals and cyanide). Additionally, water level measurements and groundwater samples were collected from seven newly installed lower aquifer monitoring wells as part of Phase 2 of the lower aquifer investigation. The results of the lower aquifer investigation will be presented in a separate report.

September 2005 groundwater elevations in the upper and lower aquifers were lower than those measured in March 2005 and September 2004; however hydraulic gradients remained consistent with those recorded during previous sampling rounds.

Groundwater samples collected from 12 upper aquifer monitoring wells indicate that groundwater plumes to the north and south of the ACS Site are not expanding and that concentrations within the plumes are decreasing. Benzene and chloroethane concentrations detected in samples from upper aquifer wells were below their respective maximum baseline concentrations.

Groundwater results at 16 lower aquifer wells continue to show fluctuating concentrations. Benzene exceeded the maximum baseline concentration in the sample collected from MW10C. Chloroethane exceeded the maximum baseline concentration in the sample collected from MW29. Chloroethane concentrations in samples from this well have shown an increasing trend over the last several sampling events although concentrations of chloroethene were lower in September 2005 than in March 2005. Results from the sample collected at well MW09R, a well

nested with MW29 at a lower depth in the lower aquifer, show that benzene and chloroethane concentrations continue to decrease at this well. Concentrations of benzene and chloroethane from the sample collected at MW56 decreased. The benzene concentration in the sample collected at downgradient well MW53 decreased slightly since March 2005. Recent benzene concentrations in the samples collected from this well had shown a slowly increasing trend.

In response to the baseline exceedances and/or increasing and variable concentration trends at MW10C, MW29, MW53, and MW56, MWH proposes to continue monitoring the concentrations in these wells. Additionally, MWH is preparing a lower aquifer investigation report that will address the distribution of benzene in the lower aquifer near MW53.

Results from the water samples collected from the residences near the ACS Site continue to show that no site-related compounds have impacted the residential wells.

SECTION 2.0 – SEPTEMBER 2005 DATA COLLECTION ACTIVITIES

The groundwater monitoring activities conducted at the Site during September 2005 included measuring water levels, collecting samples from monitoring wells, and collecting samples from five residential wells.

2.1 WATER LEVEL MEASUREMENTS

Water level measurements were collected at 76 upper and lower aquifer wells, piezometers, and surface water staff gauges on September 19, 2005. Water levels were not measured at six locations in the monitoring network (MW4S, MW4D, MW24, MW38, MW36, and MW10C). Monitoring wells MW4S and MW4D are located within the Town of Griffith landfill property, MWH keys could not access these wells in September. Monitoring wells MW24, MW38, and MW36 could not be located due to extensive vegetative growth in the vicinity. MW10C currently contains a groundwater pump and associated piping which prevents water level measurement. Arrangements will be made to ensure all wells in the network are accessible for future groundwater monitoring events. Table 1 contains the water level measurements, map coordinates (reference points), top of well casing elevations, and calculated groundwater elevations for the measurement points. Also included in the table is an explanation of the difficulties encountered while measuring water levels at a particular well.

2.2 GROUNDWATER SAMPLING

Groundwater sampling activities were conducted from September 20 through 26, 2005. Each monitoring well was sampled using low-flow methods in accordance with the Groundwater Sampling Standard Operating Procedure (SOP) developed for the revised approved 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 September 2005 event. In accordance with the revised LTGMP, the September 2005 analytical results were compared to the 1997 maximum baseline concentrations. The comparison tables are provided in Appendix A.

2.3 RESIDENTIAL WELL SAMPLING

The annual sampling of five residential wells near the Site was conducted on September 23 and 26, 2005. The residential wells were sampled by collecting untreated water (prior to water softening) from an outside spigot. The water was measured for field parameters in accordance with the sampling SOP. Upon stabilization of the parameters, a water sample was collected for submittal to the laboratory. The field parameters recorded upon stabilization are presented in **Table 2**.

The residential water samples were sent overnight under chain-of-custody to CompuChem Laboratory, Cary, North Carolina, where they were analyzed for low-concentration organics (VOCs, SVOCs, PCBs, and pesticides) and inorganics (metals and cyanide). In accordance with the revised LTGMP, the 2005 residential well analytical results were compared to the 1997 maximum baseline concentrations. The comparison tables are provided in **Appendix A**.

SECTION 3.0 – SEPTEMBER 2005 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 September 2005, the groundwater elevations measured in upper aquifer wells and piezometers were about 4.7 feet lower than measured in March 2005, and about 1.8 feet lower than measured in September 2004. These lower groundwater elevations are likely related to the low amount of precipitation seen in 2005.

The groundwater flow pattern in the upper aquifer during September 2005 was consistent with previous monitoring events. Regional groundwater flow is generally east to west. It is diverted to the north and south by the barrier wall as it approaches the site. The gradient northwest of the site is relatively flat due to the affects 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 flow pattern in the lower aquifer is northward at a relatively low hydraulic gradient. This is consistent with historical groundwater data. The hydraulic gradient calculated between wells MW50 and MW52 was 0.00047 feet per foot (ft/ft) during September 2005. The average hydraulic gradient calculated from measurements in the lower aquifer since 1995 is 0.000396 ft/ft.

The groundwater elevations measured in lower aquifer wells in September 2005 were about 4.4 feet lower than those measured in March 2005, and about 1 foot lower than those measured in September 2004. These fluctuations in groundwater levels are similar to those observed in the upper aquifer.

The groundwater elevations measured in September confirm that pumping from the barrier wall extraction system maintains an inward gradient. The groundwater elevations measured inside and outside of the barrier wall and near the PGCS will be discussed in more detail in the *Quarterly Monitoring Report for Active Treatment Systems - Third Quarter 2004*, which will be submitted in early 2006.

3.2 MONITORING WELL ANALYTICAL DATA

Following the LTGMP, samples from 12 wells in the upper aquifer and 16 wells in the lower aquifer were analyzed for indicator VOCs. The indicator VOCs are: benzene, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-

1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride. In accordance with the LTGMP, the analytical results from the upper and lower aquifer monitoring wells were compared to the 1997 maximum baseline concentrations and to data from previous sampling rounds.

3.2.1 Upper Aquifer Results

Table 4 summarizes the indicator VOC results in the samples from 12 upper aquifer wells collected during September 2005. **Figure 3** 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 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 historically 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 September 2005.
- Interior wells: Benzene and chloroethane were detected in samples collected from several interior wells. Concentrations of benzene in the samples collected from wells MW48 and MW49 remained elevated (170 µg/l in samples from both wells), but were below the maximum baseline concentrations for these wells. Benzene and chlorethane were also detected in the sample collected from MW06 at 230 µg/l and 14 µg/l, respectively. Chloroethane at 8.8 µg/l and tetrachloroethene at an estimated concentration of 2 µg/l were detected in the sample from well MW19. Benzene and chloroethane were not detected in the sample collected from well MW45. No detections in interior wells exceeded baseline concentrations.
- Downgradient wells: VOCs were detected in samples collected from two downgradient monitoring wells during September 2005. Benzene and chloroethane were detected in the sample from MW15 at concentrations of 9.6 µg/l and 1.9 µg/l, respectively. Well MW15 is located downgradient of the Town of Griffith Landfill. Trichlorethene was detected at an

estimated concentration of 1.2 µg/l in the sample from well MW42.

- Tentatively Identified Compounds: A few tentatively identified compounds (TICs) were detected in the samples from upper aquifer wells MW06, MW14 MW15, MW19, MW42, and MW48. Ethyl ether was detected in the samples from MW06 (13 µg/l) and MW19 (8.2 µg/l). Other TICs included diphenol ether, trimethyl-silanol, chloro-fluoromethane, ethyloxy ethane, 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 September 2004. 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, and MW10C. Failure of the surface seal at MW09 and ATMW4D probably provided the path that allowed benzene and chloroethane to migrate locally into the lower aquifer. 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. MWH is preparing a lower aquifer investigation report that will address the distribution of 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 detected in the sample collected from MW10C (350 µg/l) exceeded its maximum baseline concentration of 150 µg/l during September 2005. Benzene was also detected in samples from MW09R and MW56 at 6.2 µg/l and 390 µg/l, respectively. Chlorethane detected in the sample collected from MW09R (42 µg/l) exceeded its maximum baseline concentration of 10 µg/l. No other concentrations exceeded their maximum baseline concentrations.
- Downgradient wells: VOCs were detected in samples collected from two downgradient monitoring wells during September 2005. Benzene was detected in the sample collected from MW53 (7.6 µg/l), and tetrachloroethene was detected at trace levels (4 µg/l) in the sample collected from MW30. Both of these

results were below the maximum baseline concentrations for these wells.

- Tentatively Identified Compounds: A few TICs were detected in the samples from lower aquifer wells MW09R, MW10C, MW29, MW30, MW33, MW51, MW52, MW53, and MW56. Ethyl ether was detected in samples from MW30 (8.9 µg/l) and MW53 (9.4 µg/l). Other TICs include ethyloxy ethene, 1,4-dioxane, 2-methyl-1-propene, tetrahydrofuran, trimethyl-silanol and di-n-propylether.

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

North of the Site, sampling results since 1997 from interior wells MW48 and MW49 continue to show generally decreasing concentration trends. Years of monitoring data at these wells show that concentrations generally 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 of benzene in the samples collected from MW48 did not follow this pattern in September 2005. The benzene concentration in the sample from MW48 (170 µg/l) decreased since March 2005 (290 µg/l) and the benzene concentration in the sample from MW49 increased from March 2005 (89 µg/l) to 170 µg/l in September 2005. Chloroethane concentrations in the samples from MW48 and MW49 were consistent with previous events, which have declined sharply from their maximum baseline concentrations of 1,000 µg/l and 715 µg/l, respectively.

Several of the upper aquifer monitoring wells located south of the Site also exhibit seasonal variability. Concentrations in samples from MW15 tend to be higher during the summer and fall months and lower when sampled in winter and spring. Benzene and chloroethene were detected in samples from MW15 at 9.6 µg/l and 1.9 µg/l, respectively in September 2005. The benzene and chloroethene concentrations in September 2005 samples are greater than concentrations detected in March 2005. Additionally, the concentrations of benzene and chloroethene in the sample from MW15 have not exceeded their respective maximum baseline concentrations although they are higher than detected in previous sampling events.

Concentrations in samples from MW06 are generally higher when sampled in the winter and spring months and lower when sampled in the summer and fall months.

However, the September 2005 benzene concentration in the sample from MW06 (230 µg/l) is higher than the concentration from the previous March 2005 sample in which benzene was not detected at the detection limit (5 µg/l). This concentration was also higher than that in the sample collected in September 2004 (2.7 µg/l). The benzene detection of 230 µg/l in the sample from MW06 is below its respective maximum baseline concentration of 320 µg/l. The result is also significantly reduced from historical concentrations of up to 3,000 µg/l of benzene in samples from MW06.

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 continue to be detected below 5 µg/l over the last few sampling events, the chloroethane concentrations decreased to 8.8 µg/l in September 2005 from 15 µg/l in March of 2005. Chloroethane concentrations were at or above the maximum baseline concentration in samples for this well (20 µg/l) from March 2003 to September 2004. A trace, estimated concentration of tetrachlorethene (2 µg/l) was detected in samples from MW19. Tetrachloroethene has not been detected in samples collected from this well during previous sampling events.

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 few sampling events, and were not detected in the sample collected from MW45 during September 2005. This decreasing concentration trend at MW45 is evident in the graph in Appendix B.

No VOCs were detected in samples from MW17 in September 2005. Tetrachloroethene has historically been detected in samples collected from this well, which was located downgradient from the Kapica-Pazmey area prior to installation of the barrier wall. After installation of the barrier wall, the local groundwater gradient reversed in this area causing well MW17 to be situated upgradient of the Site. This well replaced upgradient well MW18 in the monitoring well network, after MW18 became obstructed and was properly abandoned in March 2002.

Trichloroethene was detected at a trace amount in samples from downgradient well MW42 during September 2005. Trichloroethene has not been detected in samples collected from this well during previous sampling events.

Trace amounts of VOCs have occasionally been detected at some downgradient wells. However, the concentrations at these downgradient wells generally:

- Are below maximum baseline concentrations,
- Show decreasing trends, or
- Are only occasionally detected.

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. VOC concentrations detected in samples from upper aquifer wells were below their respective maximum baseline concentrations.

MWH is currently conducting an In-Situ Chemical Oxidation (ISCO) treatment of residual hydrocarbons near the intersection of Colfax and Reder. These residual hydrocarbons are believed to be feeding the groundwater plume observed south of the Site in samples collected from wells MW06, MW19, and MW45. The first phase of the full-scale treatment was completed in September 2004. The second treatment event was completed April 2005 and a third treatment event was completed in August 2005. A report on the findings from Phase 3 sampling is being prepared for submittal to the Agencies.

Lower Aquifer

VOCs

In the lower aquifer, the groundwater results continue to show isolated VOC detections, apparently related to localized effects. 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 September 2005, detected benzene at a concentration of 6.2 µg/l. Chlorethene was not detected in samples from this well in September. 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. Chloroethane concentrations in samples collected from well MW29 have gradually increased over the last several sampling events and have exceeded maximum baseline concentrations since September 2002. The increase in chloroethane concentrations in samples from MW29 is likely due to diffusion because of a concentration gradient between this well and MW09R. Chloroethane has been detected as high as 680 µg/l in samples from MW09R as recently as September 2001. The concentration of chloroethene in the sample collected from MW29 decreased from 80 µg/l in March 2005 to 42 µg/l in September 2005. Samples were not collected from MW34 (screened at the bottom of the lower aquifer at this location) in September 2005. Benzene and chloroethane have not been detected in samples from well MW34, which is screened at the bottom of the lower aquifer.

The concentration of benzene in the sample collected from MW10C increased from 260 µg/l in March 2005 to

350 µg/l in September 2005. Benzene concentrations have decreased in samples collected from MW10C since benzene was detected at a concentration of 4,800 µg/l in March 2003. The concentration of chloroethene in the sample from MW10C decreased from 25 µg/l in March 2005 to below the detection limit in September 2005.

In September 2005 the concentration of benzene in the sample collected from MW56 (390 µg/l) was significantly lower than in March 2005, which was 1,200 µg/l. Chloroethene was not detected in samples from MW56. The concentrations of benzene and chloroethene are the lowest since MW56 replaced well ATMW4D.

Tetrachloroethene was detected in the sample collected from MW30 at a concentration of 4 µg/l. Tetrachloroethene has been detected at trace concentrations in this well during the two previous sampling events.

In response to consistently elevated benzene concentrations in samples collected from interior well MW10C and historically elevated concentrations at interior well MW56, 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 end of September 2005, the system has pumped about 2,860,000 gallons of groundwater from these wells (Appendix D). These low-rate extraction pumps operating may be a factor in the variability observed in VOC concentrations in samples collected from these wells, and may be responsible for the decreased level of VOC concentrations detected at MW56 in September 2005.

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 up to 11 µg/l in March 2004. The concentration of benzene in the sample collected during September 2005 decreased slightly to 7.6 µg/l, but is in the range of previous concentrations. Historical groundwater elevations indicate a very small downward gradient at this location.

MWH is conducting an investigation to determine if the increasing concentration trends in samples collected from MW53 are related to the elevated concentrations of benzene detected in samples from MW10C or MW56, or from historical detections at MW09R. The results of this investigation and recommendations for the next phase of activities are being prepared and will be presented in a separate report.

3.3 RESIDENTIAL WELL ANALYTICAL DATA

The following five residential wells were sampled during September 2004:

Well Identity	Street Address
PW-A	1007 Reder Road
PW-B	1009 Reder Road
PW-C	1029 Reder Road
PW-D	1033 Reder Road
PW-T	1043 Reder Road

The locations of the five residences are shown on Figure 5. The samples were analyzed for low-concentration organics (VOCs, SVOCs, PCBs, and pesticides) and inorganics (metals and cyanide).

Estimated concentrations of several VOCs were potentially detected in samples collected from residential wells (Table 6). The detections were below the reporting limit with the exception of the total xylenes concentration of 0.57 µg/l in the sample from PW-B. Total xylenes were also detected in the trip blank for these samples at 0.82 µg/l and therefore the detection in sample PW-B is not likely to be representative of site conditions. No detected compounds were in exceedance of respective MCLs.

One SVOC, bis(2-ethylhexyl)phthalate, was detected in samples from three residences in September 2005. Concentrations of bis(2-ethylhexyl)phthalate where detected above the MCL of 6 µg/l for this compound at PW-D (12 µg/l) and PW-T (18 µg/l). However bis(2-ethylhexyl)phthalate was detected in the method blank associated with the residential samples at 14 µg/l; thus, the detections of bis(2-ethylhexyl)phthalate are not representative of site conditions and rather are attributed to laboratory contamination. No other SVOC, PCB, or pesticide was detected in samples collected from the residential wells during September 2005.

Several inorganic analytes were detected in the residential well samples. Table 7 provides the detected inorganic results along with the related MCLs, laboratory method detection limits (MDLs), and practical quantitation limits (PQLs, or reporting limits). All detections were generally similar to concentrations detected during previous residential sampling events. No detections of inorganic compounds exceeded their respective MCLs. Lead was detected at trace concentrations in samples from PW-B (3.2 µg/l) and PW-D (1.8 µg/l) in September 2005; however, lead was detected in the method blank associated with the residential samples at 1.7 µg/l; thus, the detections of lead are not representative of site conditions and rather are attributed to laboratory contamination.

SECTION 4.0 – CONCLUSIONS

The September 2005 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 September 2005 data are consistent with past conditions for both the upper and lower aquifers.

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.**

   In the upper aquifer, benzene and chloroethane were detected in the sample collected from downgradient monitoring well MW15. This well is located downgradient of the Griffith Landfill. The concentrations of benzene and chloroethene are higher than detected in previous sampling events. A trace amount of trichloroethene was detected in the sample collected from downgradient, upper aquifer well MW42.

   VOCs were detected in two downgradient wells screened in the lower aquifer. Benzene was detected in the sample collected from monitoring well MW53. Benzene concentrations in samples collected from MW53 were comparable with results from previous

rounds. A lower aquifer investigation is currently being conducted to evaluate the presence of benzene in the lower aquifer near MW53. A trace amount of tetrachloroethene was detected in lower aquifer well MW30, tetrachloroethene has been detected in this well at trace concentrations during the two previous sampling events.

Sample results from residential wells located east of the Site continue to demonstrate that no Site-related contamination has impacted these wells.

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. These decreasing trends in the upper aquifer are likely the combined result of the barrier wall, the PGCS, the ORC and Chemical Oxidation treatments in these areas as well as natural attenuation. Concentrations of chloroethane in samples from MW19 have fluctuated near the maximum baseline concentration for this well.

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. Chloroethane concentrations in samples from adjacent nested well MW29 have slowly increased over the last several years although concentrations decreased from March 2005 to September 2005. The detected concentration of chloroethane is below the MCL for this compound.

Benzene and chloroethane concentrations in the sample collected from MW10C have decreased over the last several years but have increased in samples collected in March and September 2005. Previously, concentrations of benzene and chlorethane have shown an increasing trend in samples from MW56, although in September 2005 the concentrations declined sharply. A purging system is operating at MW10C and MW56 to capture impacted groundwater and limit further downgradient 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 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, MW29, MW53, and MW56: MWH proposes to continue monitoring the concentrations in these wells. Additionally, MWH is preparing a lower aquifer investigation report that will address the distribution of benzene in the lower aquifer near MW53.

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Tables

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Table 1
Groundwater Elevation Data - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 19, 2005		Notes
	East	North	TOC	Level	Elevation	
Upper Aquifer Monitoring Wells						
MW06	5298	5520	655.28	24.71	630.57	
MW11	6377	7329	640.47	10.03	630.44	
MW12	6019	6352	642.74	11.71	631.03	
MW13	5050	7814	634.08	5.48	628.60	
MW14	4882	6995	638.56	11.66	626.90	
MW15	4721	5003	637.89	8.25	629.64	
MW17	5656	5677	647.10	28.22	618.88	
MW19	5231	4943	635.78	5.99	629.79	
MW37	5395	7976	636.78	8.60	628.18	
MW38	5903	8216	636.51	NM	NM	Could not locate well due to overgrowth in the vicinity
MW39	6253	7947	637.77	8.63	629.14	
MW40	6349	6831	639.46	8.83	630.63	
MW41	6242	4517	632.74	6.04	626.70	
MW42	6264	3808	632.32	9.38	622.94	
MW43	5880	3719	633.56	9.89	623.67	
MW44	5390	4303	633.04	6.53	626.51	
MW45	5830	4388	635.35	7.83	627.52	
MW46	4526	7424	633.32	NM	NM	Could not locate well due to overgrowth in the vicinity
MW47	5958	5084	640.54	9.82	630.72	
MW48	5669	7814	636.36	8.08	628.28	
MW49	5551	7650	637.00	8.50	628.50	
M4S	4953	6537	633.42	NM	NM	Could not access well

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 - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 19, 2005		Notes
	East	North	TOC	Level	Elevation	
Staff Gauges & Piezometers						
P13	4878	5735	651.20	20.11	631.09	
P17	4584	6006	654.64	21.55	633.09	Top ~2 feet of casing broken off
P23	4689	7018	636.18	8.51	627.67	
P25	5131	7510	635.01	5.58	629.43	
P26	4764	7309	634.23	5.06	629.17	
P27	4904	7020	639.70	12.16	627.54	
P28	5883	7486	644.53	14.54	629.99	Black liquid noted
P31	5480	7159	641.03	10.03	631.00	
P32	5746	7026	642.32	12.47	629.85	
P36	5410	6851	645.89	16.26	629.63	
P40	5931	7241	638.77	8.51	630.26	
P41	5663	7377	637.23	7.25	629.98	
P49	5145	6949	638.98	10.55	628.43	
SG8R	5409	5252	634.70	NM	NM	Not measured since SG8R2 was measured
SG8R2	5409	5242	632.67	1.30	631.37	
SG5	5464	7713	633.36	DRY	DRY	DRY
SG13	4819	7209	631.53	3.58	627.95	Reference TOC is the 6.0' mark on staff gauge
SG14	5109	6523	635.44	DRY	DRY	Reference TOC is the 6.0' mark on staff gauge
PGCS Piezometer Sets						
P81	5577	7581	636.19	8.12	628.07	
P82	5577	7572	635.77	8.11	627.66	
P83	5577	7561.6	635.95	7.57	628.38	
P84	5322	7603	634.35	7.19	627.16	
P85	5326	7594	634.08	6.85	627.23	
P86	5329	7585	634.41	7.32	627.09	
P87	5121	7466	633.88	6.76	627.12	
P88	5130	7460	633.90	7.02	626.88	
P89	5137	7454	634.02	7.19	626.83	
P90	4881	7152	634.45	6.60	627.85	
P91	4889	7145	634.59	6.93	627.66	
P92	4896	7138.1	633.87	6.25	627.62	

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 - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 19, 2005		Notes
	East	North	TOC	Level	Elevation	
BWES Water Level and Piezometer Pairs						
P93	5136	7067	638.79	12.84	625.95	
P94	5146	7061	638.98	11.85	627.13	
P95	5146	6532	638.58	11.30	627.28	
P96	5156	6537	641.26	16.54	624.72	
P105	5885	6678	638.86	7.83	631.03	
P106	5871	6685	638.10	9.65	628.45	
P107	5766	7339	637.42	7.59	629.83	
P108	5757	7324	638.13	7.65	630.48	
P109	5740	6387	644.30	13.11	631.19	
P110	5705	6382	647.68	20.58	627.10	
P111	5551	5950	650.03	19.02	631.01	
P112	5525	5960	653.36	28.03	625.33	
P113	5309	5693	657.53	31.15	626.38	
ORCPZ102	5331	5612	652.47	21.85	630.62	
P114	5035	5729	653.69	27.01	626.68	
P115	4970	5708	652.50	21.70	630.80	
P116	5031	6087	646.26	19.68	626.58	
P117	5014	6087	643.93	14.60	629.33	
P118	5402	6539	645.52	19.10	626.42	

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

TOC = top of casing

Table 1
Groundwater Elevation Data - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 19, 2005		Notes
	East	North	TOC	Level	Elevation	
Lower Aquifer Wells						
MW07	6113	6732	641.46	21.84	619.62	
MW08	5934	7506	640.43	21.21	619.22	
MW09R	4893	6990	639.05	19.54	619.51	
MW10C	5229	7554	637.45	NM	NM	Could not measure due to pump in well
MW23	4717	7404	633.31	13.79	619.52	
MW24	4596	8033	635.22	NM	NM	Could not locate well due to overgrowth in the vicinity
MW28	5657	5695.6	648.77	28.55	620.22	
MW50	5269	5383	649.43	29.19	620.24	
MW51	5198	7767	634.16	15.12	619.04	
MW52	4996	7814	632.74	13.63	619.11	
MW54R	5589.8	7592.2	637.51	18.16	619.35	
M4D	4949	6538	633.32	NM	NM	Could not access well

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 2
Field Parameter Data - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Upper Aquifer Monitoring Wells						
MW06	7.04	3.200	17.6	71.0	1.76	-42
MW11	5.58	0.377	13.5	6.6	0.57	67
MW14	6.98	0.810	17.0	14.0	7.37	158
MW15	6.90	5.820	14.8	20.3	0.96	-119
MW17	6.57	0.734	16.4	33.4	2.62	-42
MW19	7.40	4.100	20.6	36.0	1.58	-147
MW42	6.86	0.990	16.1	3.6	3.04	-22
MW43	6.40	1.500	18.6	21.6	6.04	-39
MW44	7.16	0.940	15.7	1.3	1.18	-125
MW45	6.46	2.070	18.0	13.1	0.88	-114
MW48	6.98	1.500	16.8	4.0	2.59	-100
MW49	6.69	1.600	15.3	68.0	4.48	-82
Residential Wells						
PW-A	7.59	0.820	16.46	13.0	2.11	-127
PW-B	7.69	0.780	16.70	-4.0	3.60	-143
PW-C	7.36	0.800	15.23	4.0	3.54	-124
PW-D	7.64	0.820	17.14	17.0	1.25	-137
PW-T	7.46	0.840	18.17	6.0	3.89	-119

Notes:

Values are those recorded upon stabilization during groundwater purging

mS/cm = milliSiemens per centimeter

°C = Degrees Centrigrade

NTU = nephelometric turbidity units

mg/L = milligrams per liter

mV = millivolts

Table 2
Field Parameter Data - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Lower Aquifer Monitoring Wells						
MW08	7.19	0.489	12.2	7.3	0.00	-135
MW09R	7.80	1.100	16.0	64.0	3.21	-172
MW10C	7.50	1.100	15.1	-10.0	1.72	-163
MW23	6.61	1.540	13.0	4.2	2.08	-81
MW28	7.28	0.969	13.6	7.4	2.88	-106
MW29	7.14	0.900	13.3	14.0	1.70	-90
MW30	7.06	1.130	12.4	35.6	0.49	-145
MW31	7.35	0.829	13.0	1.4	2.99	-126
MW32	7.32	0.931	13.7	8.9	3.00	-120
MW33	6.75	1.860	12.1	3.3	1.77	-116
MW51	6.85	1.390	12.3	14.1	0.76	-111
MW52	7.01	1.310	15.2	14.3	2.29	-137
MW53	6.57	2.990	12.4	685.0	0.27	-111
MW54R	7.37	1.220	14.5	88.7	2.25	-175
MW55	7.26	1.150	12.7	41.6	0.71	-132
MW56	7.47	1.100	14.2	-4.0	1.71	-154

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

Table 3
Summary of Groundwater Sampling Activities - September 2005
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	9/22/2005	X		DUP03
MW11	Upgradient	9/20/2005	X		
MW14	Downgradient	9/22/2005	X		
MW15	Downgradient	9/21/2005	X		
MW17	Upgradient	9/20/2005	X		MS/MSD
MW19	Interior	9/22/2005	X		
MW42	Downgradient	9/20/2005	X		
MW43	Downgradient	9/20/2005	X		
MW44	Downgradient	9/21/2005	X		
MW45	Interior	9/21/2005	X		
MW48	Interior	9/22/2005	X		
MW49	Interior	9/22/2005	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

NS - Not Sampled

Table 3
Summary of Groundwater Sampling Activities - September 2005
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	9/20/2003	X		
MW09R	Interior	9/22/2005	X		MS/MSD
MW10C	Interior	9/23/2005	X		
MW23	Downgradient	9/20/2005	X		
MW28	Upgradient	9/20/2005	X		
MW29	Interior	9/22/2005	X		
MW30	Downgradient	9/21/2005	X		
MW31	Downgradient	9/20/2005	X		
MW32	Downgradient	9/20/2005	X		DUP01
MW33	Downgradient	9/21/2005	X		
MW51	Downgradient	9/21/2005	X		
MW52	Downgradient	9/21/2005	X		
MW53	Downgradient	9/21/2005	X		DUP02
MW54R	Downgradient	9/21/2005	X		
MW55	Downgradient	9/21/2005	X		
MW56	Interior	9/23/2005	X		
Residential Wells					
PW-A	Upgradient	9/23/2005		X	PWDUP
PW-B	Upgradient	9/26/2005		X	MS/MSD
PW-C	Upgradient	9/26/2005		X	
PW-D	Upgradient	9/26/2005		X	
PW-T	Upgradient	9/26/2005		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 - September 2005
American Chemical Service NPL Site
Griffith, Indiana

	MW06			MW11			MW14			MW15			MW17			MW19		
	Interior			Upgradient			Downgradient			Downgradient			Upgradient			Interior		
Analyte	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	5	U/		5	U/		5	U/		5	U/UJ		5	U/		5	U/	
1,1-Dichloroethene	5	U/		5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/	
1,2-Dichloroethane	5	U/		5	U/		5	U/		5	U/UJ		5	U/		5	U/	
Benzene	**230**	D/	*320*	5	U/		5	U/		**9.6**	/J	*10*	5	U/UJ		5	U/	
Chloroethane	**14**		*720*	5	U/		5	U/		**1.9**	J/J	*10*	5	U/		**8.8**		*20*
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/UJ		5	U/		5	U/	
Tetrachloroethene	5	U/		5	U/		5	U/		5	U/UJ		5	U/		**2**	J/	*10*
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/UJ		5	U/		5	U/	
Trichloroethene	5	U/		5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/	
Vinyl Chloride	5	U/		5	U/		5	U/		5	U/UJ		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 4
Summary of Organic Compound Detections in Samples from Upper Aquifer Monitoring Wells - September 2005
American Chemical Service NPL Site
Griffith, Indiana

	MW42			MW43			MW44			MW45			MW48			MW49		
	Downgradient			Downgradient			Downgradient			Interior			Interior			Interior		
Analyte	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
1,1-Dichloroethene	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
1,2-Dichloroethane	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
Benzene	5	U/		5	U/		5	U/UJ		5	U/UJ		**170**		*9,500*	**170**		*6,750*
Chloroethane	5	U/		5	U/		5	U/UJ		5	U/UJ		**11**		*1,000*	**9.3**		*715*
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
Tetrachloroethene	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
Trichloroethene	**1.2**	J/	*10*	5	U/		5	U/UJ		5	U/UJ		5	U/		5	U/	
Vinyl Chloride	5	U/		5	U/		5	U/UJ		5	U/UJ		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/jef/jmf
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Table 5
Summary of Organic Compound Detections in Samples from Lower Aquifer Monitoring Wells - September 2005
American Chemical Service NPL Site
Griffith, Indiana

	MW08			MW09R			MW10C			MW23			MW28		
	Downgradient			Interior			Interior			Downgradient			Upgradient		
Analyte	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***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/		**6.2**		*310*	**350**	D/	*150*	5	U/		5	U/	
Chloroethane	5	U/		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 - September 2005
American Chemical Service NPL Site
Griffith, Indiana

	MW29			MW30			MW31			MW32			MW33		
	Interior			Downgradient			Downgradient			Downgradient			Downgradient		
Analyte	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***BV***	**Sep-05**		***BV***
Volatile Organic Compounds															
1,1-Dichloroethane	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
1,1-Dichloroethene	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
1,2-Dichloroethane	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
Benzene	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
Chloroethane	**42**		*10*	5	U/UJ		5	U/		5	U/		5	U/UJ	
cis-1,2-Dichloroethene	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
Tetrachloroethene	5	U/		**4**	J/J	*10*	5	U/		5	U/		5	U/UJ	
trans-1,2-Dichloroethene	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
Trichloroethene	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	
Vinyl Chloride	5	U/		5	U/UJ		5	U/		5	U/		5	U/UJ	

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 - September 2005
American Chemical Service NPL Site
Griffith, Indiana

	MW51			MW52			MW53			MW54R			MW55			MW56		
	Downgradient			Downgradient			Downgradient			Downgradient			Downgradient			Interior		
Analyte	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*	Sep-05		*BV*
Volatile Organic Compounds																		
1,1-Dichloroethane	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
1,1-Dichloroethene	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
1,2-Dichloroethane	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
Benzene	5	U/UJ		5	U/UJ		**7.6**	/J	*10*	5	U/UJ		5	U/		**390**	D/	*NA*
Chloroethane	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
cis-1,2-Dichloroethene	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
Tetrachloroethene	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
trans-1,2-Dichloroethene	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
Trichloroethene	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	U/	
Vinyl Chloride	5	U/UJ		5	U/UJ		5	U/UJ		5	U/UJ		5	U/		42	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 6
Summary of Organic Compound Detections in Samples from Residential Wells - September 2005
American Chemical Service NPL Site
Griffith, Indiana

Analyte	U.S. EPA MCL	PW-A Sep-05	RL	PW-A PWDUP	RL	PW-B Sep-05	RL	PW-C Sep-05	RL	PW-D Sep-05	RL	PW-T Sep-05	RL
Volatile Organic Compounds													
Chloromethane	NA	U/	0.5	U/	0.5	U/	0.5	0.2 J/	0.5	U/	0.5	0.24 J/	0.5
cis-1,2-Dichloroethene	70	U/	0.5	U/	0.5	0.38 J/UB	0.5	U/	0.5	U/	0.5	U/	0.5
m-Xylene	NA	U/	1	U/	1	0.54 J/UB	1	U/	1	U/	1	U/	1
Toluene	1,000	U/	0.5	U/	0.5	0.32 J/J	0.5	U/	0.5	U/	0.5	U/	0.5
Xylenes (total)	10,000	U/	0.5	U/	0.5	0.57 /UB	0.5	U/	0.5	U/	0.5	U/	0.5
Semi-Volatile Organic Compounds													
Bis(2-ethylhexyl)phthalate	6	U/U	5	U/U	5	4.8 JB/UB	5	U/U	5	12 B/UB	5	18 B/UB	5
PCBs/Pesticides													
None Detected	NA												

Notes:

All results in micrograms per liter (ug/l)

Only detected compounds listed

Blank cell indicates compound not detected in that sample

PWDUP = Duplicate sample

PCBs = poly-chlorinated biphenyls

MCL = Maximum Contaminant Level

NA = MCL does not exist for this analyte

RL = Reporting Limit

X / = Data qualifier added by laboratory

/X = Data qualifier added by validation

J = Estimated value; concentration detected is below reporting limit

B = Compound was detected in sample and in associated blank

U = Compound not detected above reporting limit.

UJ = Compound not detected above report limit; reporting limit is an estimated value

UB = Compound not detected at or above the indicated concentration due to blank concentration

Table 7
Summary of Inorganic Results in Samples from Residential Wells - September 2005
American Chemical Services NPL Site
Griffith, Indiana

Analyte	U.S. EPA MCL	MDL (ug/l)	PQL (ug/l)	PW-A Sep-05	PW-A LQ	PW-A DV	PW-A PWDUP	PW-A LQ	PW-A DV	PW-B Sep-05	PW-B LQ	PW-B DV	PW-C Sep-05	PW-C LQ	PW-C DV	PW-D Sep-05	PW-D LQ	PW-D DV	PW-T Sep-05	PW-T LQ	PW-T DV
Aluminum	NA	80.7	200		U			U			U			U			U			U	
Antimony	6	1.9	10	4.4	B			U			U			U			U		3.7	B	
Arsenic	50	2.1	10		U			U			U			U			U			U	
Barium	2,000	1.3	200	113	B	B	109	B	B	112	B	B	125	B	B	125	B	B	127	B	B
Beryllium	4	0.1	5	0.15	B	UB	0.17	B	UB	0.17	B	UB	0.18	B	UB	0.2	B	UB	0.22	B	UB
Cadmium	5	0.2	5		U			U			U			U			U			U	
Calcium	NA	12.3	5,000	80,300		B	77,900		B	82,100		B	79,600		B	84,900		B	85,800		B
Chromium	100	0.9	5		U			U			U			U			U			U	
Cobalt	NA	0.5	5		U			U			U			U			U			U	
Copper	1,300	0.6	5		U			U		3.9	B			U		2.2	B			U	
Cyanide	200	1.1	10		U			U			U			U			U			U	
Iron	NA	12.2	100	1,880		B	1,810		B	3,600		B	2,160		B	1,700		B	2,180		B
Lead	15	1.1	3		U			U		3.2		UB		U		1.8	B	UB		U	
Magnesium	NA	3.9	5,000	41,000		B	39,500		B	38,600		B	43,100		B	44,000		B	45,500		B
Manganese	NA	1.8	10	32.5		B	31.4		B	60.6		B	30.1		B	28.7		B	32.2		B
Mercury	2	0.64	0.64		U			U			U			U			U			U	
Nickel	NA	0.6	40	1.3	B			U			U		1.8	B			U			U	
Potassium	NA	26.9	5,000	1,630	B		1,590	B		1,280	B		1,650	B		1,670	B		1,770	B	
Selenium	50	2.4	5	4.5	UN	UJ	4.5	UN	UJ	4.5	UN	UJ	4.5	UN	UJ	4.5	UN	UJ	4.5	UN	UJ
Silver	NA	0.8	5		U			U			U			U			U			U	
Sodium	NA	154	5,000	21,400			20,900			21,300			17,000			18,300			19,000		
Thallium	2	2.8	10		U			U			U			U			U			U	
Vanadium	NA	0.6	20		U			U			U			U			U			U	
Zinc	NA	4.1	20	2.9	B	UB	2.9	B	UB	8.9	B	UB		U		10	B	UB	21.8		B

Notes:

All results in micrograms per liter (ug/l)
A blank cell indicates parameter not detected
MCL = Maximum Contaminant Level
NA = MCL does not exist for this analyte
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
LQ = Data qualifier added by laboratory
DV = Data qualifier added by validation
PWDUP - Duplicate sample

LQ Flags

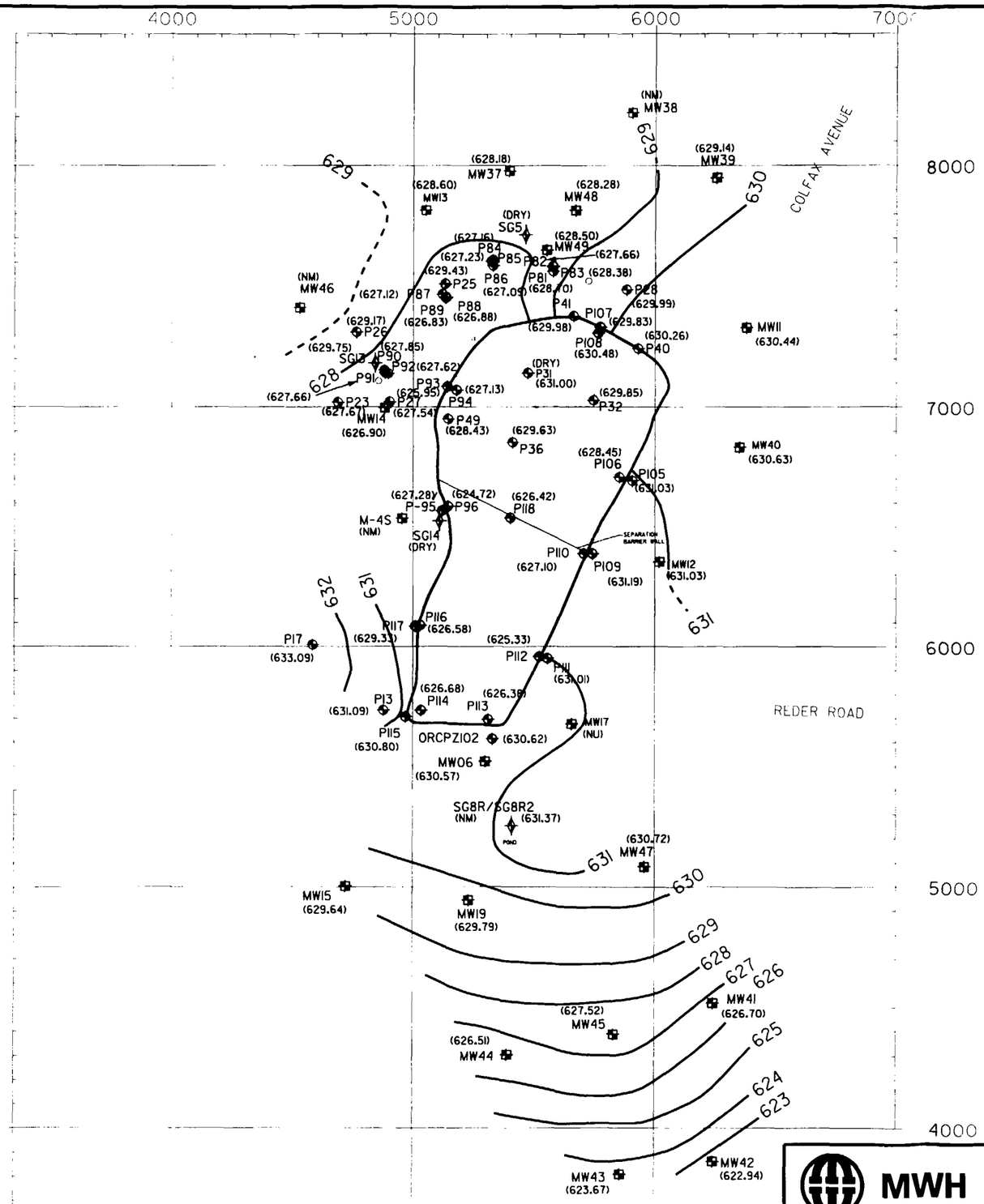
U = Compound was not detected above the PQL
N = Sample spike recovery was outside of control limits
E = Serial dilution not within 10%. Concentration is estimated
B = Compound was detected above the MDL but below the PQL
It is considered an estimated concentration

DV Flags

B = Compound was detected in sample and in associated blank
J = Indicates an estimated value
UB = Compound not detected above indicated concentration due to blank contamination
UJ = Compound not detected, and detection limit is an estimated value

Figures

MWH



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
- (628.60) — 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

NOTE:

1. P93 AND P94 WERE INSTALLED IN NOVEMBER 2004.
2. GROUNDWATER ELEVATIONS WERE MEASURED ON SEPTEMBER 19, 2005.
3. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

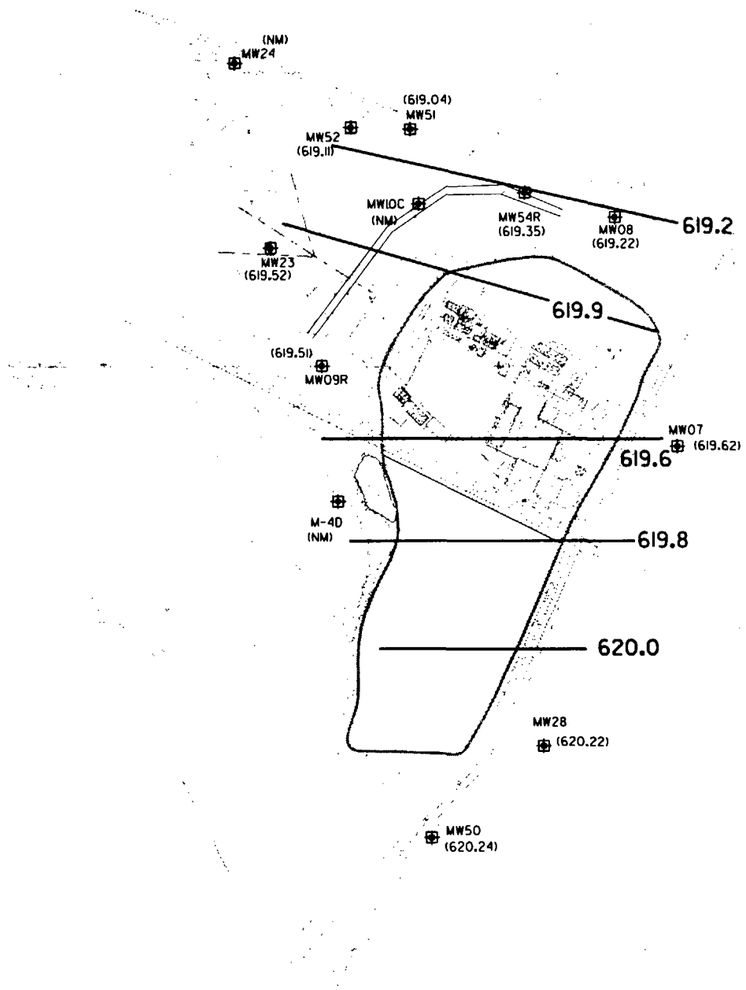
N

0 500 1000

SCALE IN FEET

MWH	SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	UPPER AQUIFER WATER TABLE CONTOUR MAP SEPTEMBER 2005	FIGURE
	AS SHOWN			1

JOB No. MW Job No. FILE: \\Uschi4s02\Warrenville\jobs\209\0603 ACS\Drawings\SEPT 2005\Figure 1.dgn Plot Date: 27-DEC-2005 15:44 DPP/JEF



LEGEND

▬▬	BARRIER WALL
⊕ MW52	LOWER AQUIFER WELL LOCATION AND DESIGNATION
(619.11)	GROUNDWATER ELEVATION
— 620.0	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
(NM)	NOT MEASURED

NOTES:

1. GROUNDWATER ELEVATIONS WERE MEASURED ON SEPTEMBER 19, 2005.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

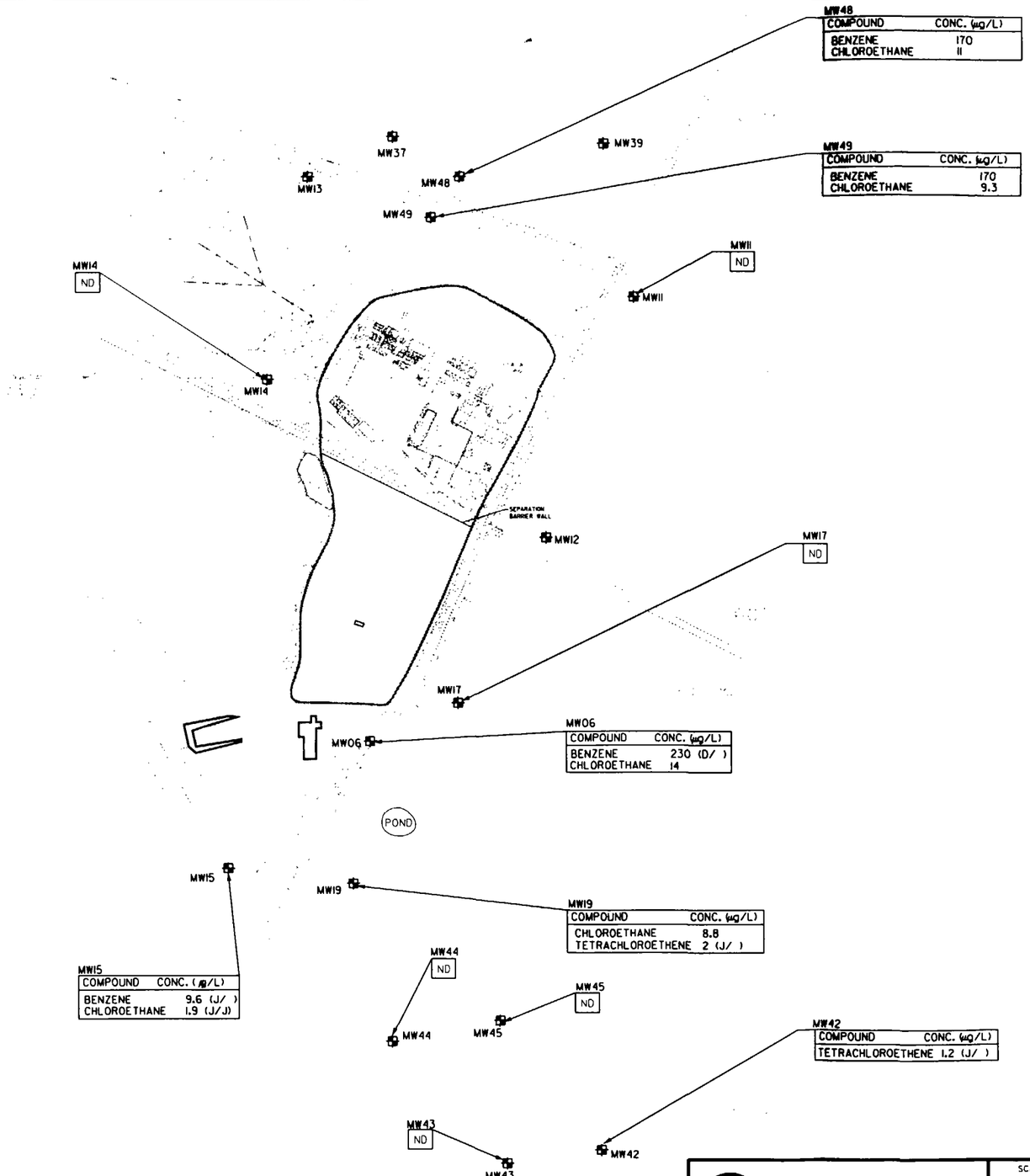
N

0 500 1000

SCALE IN FEET

MWH	SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	LOWER AQUIFER POTENTIOMETRIC SURFACE CONTOUR MAP SEPTEMBER 2005	FIGURE
	AS SHOWN			2

JOB No. MW Job No. FILE: \\Uschi4s02\Warrenville\jobs\209\0603 ACS\Drawings\SEP1 2005\Figure 2.dgn Plot Date 27-DEC-2005 15:45 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.

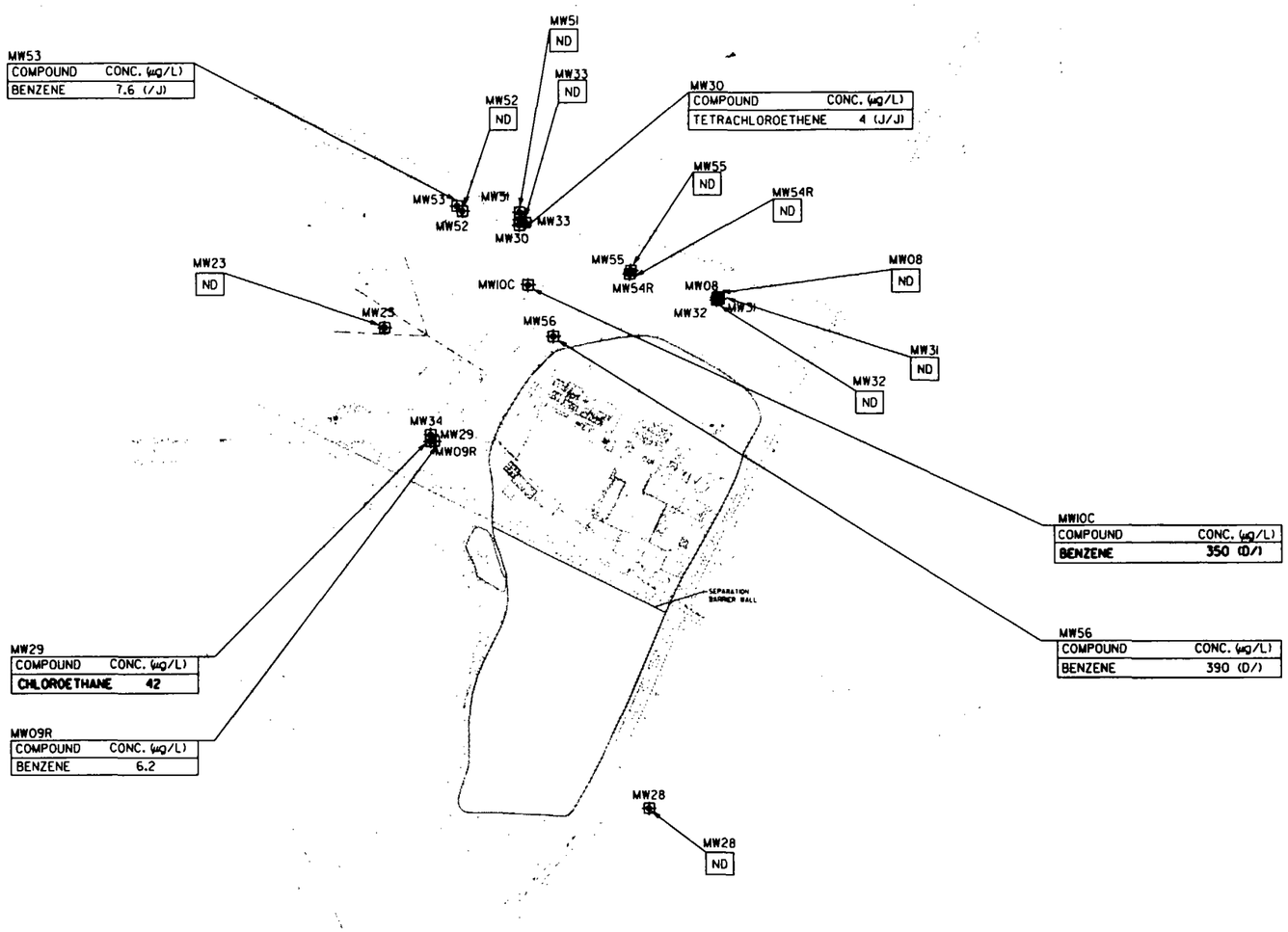
N

0 500 1000

SCALE IN FEET

MWH	SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	DETECTED VOLATILE ORGANIC COMPOUNDS IN SAMPLES FROM UPPER AQUIFER MONITORING WELLS SEPTEMBER 2005	FIGURE
	AS SHOWN			3

JOB No. 2090603 FILE: J:/209/0603 acs/DRAWINGS/SEPT 2005/FIG.3.dgn DPP/JEF



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

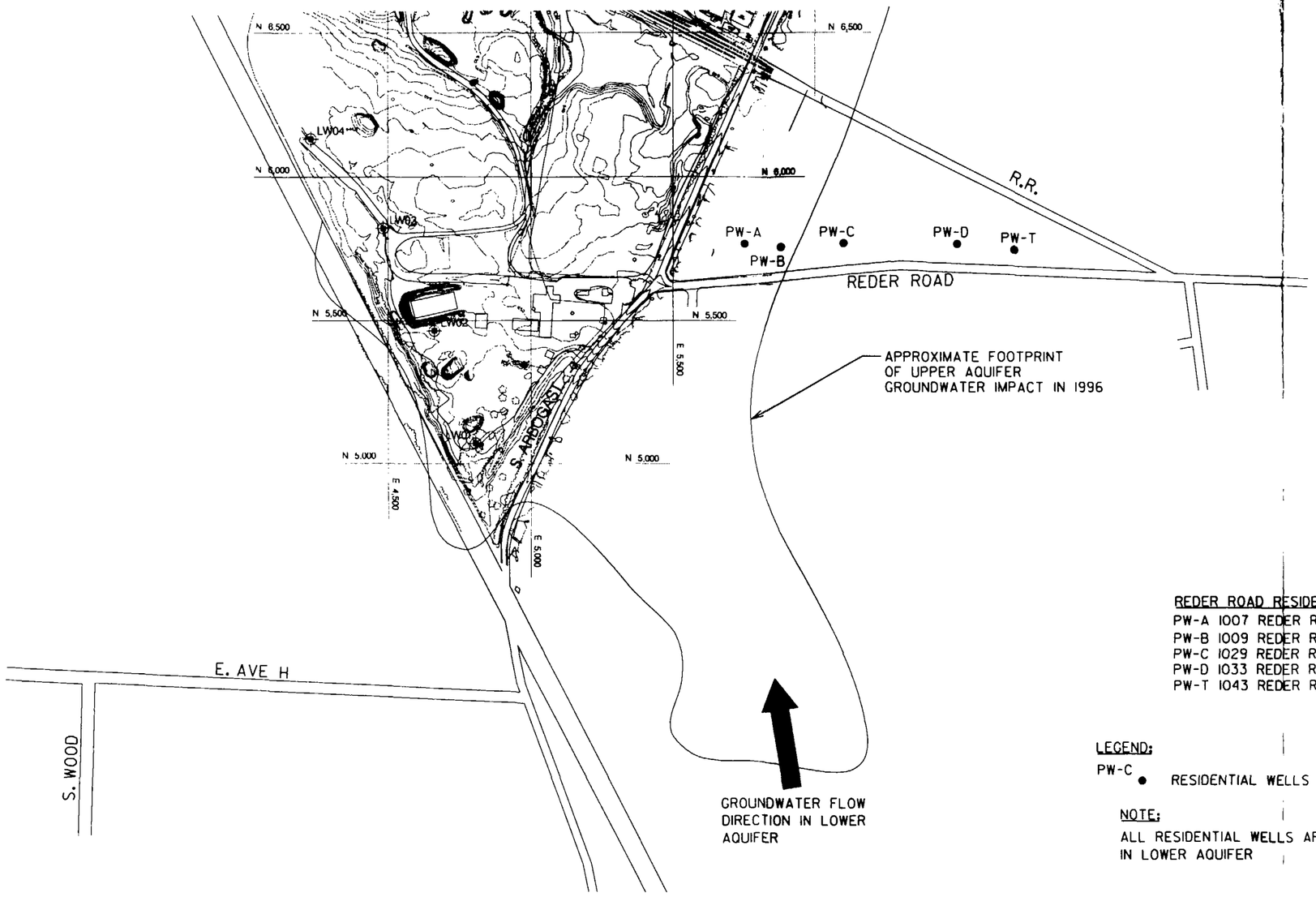
0 500 1000

SCALE IN FEET

MWH

SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	DETECTED VOLATILE ORGANIC COMPOUNDS IN SAMPLES FROM LOWER AQUIFER MONITORING WELLS SEPTEMBER 2005	FIGURE
AS SHOWN			4

JOB No. MW JOB No. FILE: \\Uschi4s02\Warrenville\Jobs\209\0603 ACS\Drawings\SEPT 2005\FIG_4.dgn Plot Date: 27 DEC-2005 15:43 DPP/JEF



REDER ROAD RESIDENTIAL WELLS

PW-A 1007 REDER ROAD
PW-B 1009 REDER ROAD
PW-C 1029 REDER ROAD
PW-D 1033 REDER ROAD
PW-T 1043 REDER ROAD

LEGEND:

PW-C ● RESIDENTIAL WELLS

NOTE:

ALL RESIDENTIAL WELLS ARE SCREENED IN LOWER AQUIFER

N

0 500 1000

SCALE IN FEET

SCALE			FIGURE
AS SHOWN	MWH	AMERICAN CHEMICAL SERVICES, INC. NPL SITE GRIFFITH, INDIANA	RESIDENTIAL WELL LOCATIONS SAMPLED DURING 2005	5

JOB No. MB JOB No. FILE: \\uschi4a02\ferrenvile\jobs\209\0603 ACS\Drawings\SEPT 2005\figure 5.dgn Plot Date: 27-DEC-2005 15:46 GRP/JCF

Appendix A

MWH

Appendix A
Comparison of September 2005 Results to Maximum Baseline Concentrations

Monitoring Wells

VOC Results

Residential Wells

VOC Results

SVOC Results

PCB/Pesticide Results

Inorganic Results

Monitoring Well Volatile Organic Results - September 2005
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		5
MW-06	1,1-Dichloroethene	UG/L	50		U		5
MW-06	1,2-Dichloroethane	UG/L	50		U		5
MW-06	Benzene	UG/L	320	230	D		10
MW-06	Chloroethane	UG/L	720	14			5
MW-06	cis-1,2-Dichloroethene	UG/L			U		5
MW-06	Tetrachloroethene	UG/L	50		U		5
MW-06	trans-1,2-Dichloroethene	UG/L			U		5
MW-06	Trichloroethene	UG/L	50		U		5
MW-06	Vinyl chloride	UG/L	50		U		5
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	6.2			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		5
MW-10C	1,1-Dichloroethene	UG/L	150		U		5
MW-10C	1,2-Dichloroethane	UG/L	150		U		5
MW-10C	Benzene	UG/L	150	**350**	D		15
MW-10C	Chloroethane	UG/L	420		U		5
MW-10C	cis-1,2-Dichloroethene	UG/L			U		5
MW-10C	Tetrachloroethene	UG/L	150		U		5
MW-10C	trans-1,2-Dichloroethene	UG/L			U		5
MW-10C	Trichloroethene	UG/L	150		U		5
MW-10C	Vinyl chloride	UG/L	129		U		5
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/ jef

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

2090603.030401

Monitoring Well Volatile Organic Results - September 2005
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	UJ	5
MW-15	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-15	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-15	Benzene	UG/L	10	9.6		J	5
MW-15	Chloroethane	UG/L	10	1.9	J	J	5
MW-15	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-15	Tetrachloroethene	UG/L	10		U	UJ	5
MW-15	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-15	Trichloroethene	UG/L	10		U	UJ	5
MW-15	Vinyl chloride	UG/L	10		U	UJ	5
MW-17	1,1-Dichloroethane	UG/L			U		5
MW-17	1,1-Dichloroethene	UG/L			U	UJ	5
MW-17	1,2-Dichloroethane	UG/L			U		5
MW-17	Benzene	UG/L			U	UJ	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	UJ	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	8.8			5
MW-19	cis-1,2-Dichloroethene	UG/L			U		5
MW-19	Tetrachloroethene	UG/L	10	2	J		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/ jef
J:\209\0603 ACS\Database\GW Monitoring\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptNewResults10VOCs]
2090603.030401

Monitoring Well Volatile Organic Results - September 2005
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	**42**			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	UJ	5
MW-30	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-30	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-30	Benzene	UG/L	10		U	UJ	5
MW-30	Chloroethane	UG/L	10		U	UJ	5
MW-30	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-30	Tetrachloroethene	UG/L	10	4	J	J	5
MW-30	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-30	Trichloroethene	UG/L	10		U	UJ	5
MW-30	Vinyl chloride	UG/L	10		U	UJ	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/ jef

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2090603.030401

Monitoring Well Volatile Organic Results - September 2005
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	UJ	5
MW-33	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-33	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-33	Benzene	UG/L	10		U	UJ	5
MW-33	Chloroethane	UG/L	10		U	UJ	5
MW-33	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-33	Tetrachloroethene	UG/L	10		U	UJ	5
MW-33	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-33	Trichloroethene	UG/L	10		U	UJ	5
MW-33	Vinyl chloride	UG/L	10		U	UJ	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	1.2	J		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	UJ	5
MW-44	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-44	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-44	Benzene	UG/L	10		U	UJ	5

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NA = Not Applicable

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2090603.030401

Monitoring Well Volatile Organic Results - September 2005
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	UJ	5
MW-44	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-44	Tetrachloroethene	UG/L	10		U	UJ	5
MW-44	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-44	Trichloroethene	UG/L	10		U	UJ	5
MW-44	Vinyl chloride	UG/L	10		U	UJ	5
MW-45	1,1-Dichloroethane	UG/L	80		U	UJ	5
MW-45	1,1-Dichloroethene	UG/L	80		U	UJ	5
MW-45	1,2-Dichloroethane	UG/L	80		U	UJ	5
MW-45	Benzene	UG/L	1,045		U	UJ	5
MW-45	Chloroethane	UG/L	215		U	UJ	5
MW-45	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-45	Tetrachloroethene	UG/L	80		U	UJ	5
MW-45	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-45	Trichloroethene	UG/L	80		U	UJ	5
MW-45	Vinyl chloride	UG/L	80		U	UJ	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	170			5
MW-48	Chloroethane	UG/L	1,000	11			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	170			5
MW-49	Chloroethane	UG/L	715	9.3			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	UJ	5
MW-51	1,1-Dichloroethene	UG/L	100		U	UJ	5
MW-51	1,2-Dichloroethane	UG/L	100		U	UJ	5
MW-51	Benzene	UG/L	100		U	UJ	5
MW-51	Chloroethane	UG/L	100		U	UJ	5
MW-51	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-51	Tetrachloroethene	UG/L	100		U	UJ	5
MW-51	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-51	Trichloroethene	UG/L	100		U	UJ	5
MW-51	Vinyl chloride	UG/L	100		U	UJ	5

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DPP/ jef

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2090603.030401

Monitoring Well Volatile Organic Results - September 2005
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	UJ	5
MW-52	1,1-Dichloroethene	UG/L	100		U	UJ	5
MW-52	1,2-Dichloroethane	UG/L	100		U	UJ	5
MW-52	Benzene	UG/L	100		U	UJ	5
MW-52	Chloroethane	UG/L	100		U	UJ	5
MW-52	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-52	Tetrachloroethene	UG/L	100		U	UJ	5
MW-52	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-52	Trichloroethene	UG/L	100		U	UJ	5
MW-52	Vinyl chloride	UG/L	100		U	UJ	5
MW-53	1,1-Dichloroethane	UG/L	10		U	UJ	5
MW-53	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-53	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-53	Benzene	UG/L	10	7.6		J	5
MW-53	Chloroethane	UG/L	10		U	UJ	5
MW-53	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-53	Tetrachloroethene	UG/L	10		U	UJ	5
MW-53	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-53	Trichloroethene	UG/L	10		U	UJ	5
MW-53	Vinyl chloride	UG/L	10		U	UJ	5
MW-54R	1,1-Dichloroethane	UG/L	10		U	UJ	5
MW-54R	1,1-Dichloroethene	UG/L	10		U	UJ	5
MW-54R	1,2-Dichloroethane	UG/L	10		U	UJ	5
MW-54R	Benzene	UG/L	10		U	UJ	5
MW-54R	Chloroethane	UG/L	10		U	UJ	5
MW-54R	cis-1,2-Dichloroethene	UG/L			U	UJ	5
MW-54R	Tetrachloroethene	UG/L	10		U	UJ	5
MW-54R	trans-1,2-Dichloroethene	UG/L			U	UJ	5
MW-54R	Trichloroethene	UG/L	10		U	UJ	5
MW-54R	Vinyl chloride	UG/L	10		U	UJ	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		42
MW-56	1,1-Dichloroethene	UG/L			U		42
MW-56	1,2-Dichloroethane	UG/L			U		42
MW-56	Benzene	UG/L		390	D		17
MW-56	Chloroethane	UG/L			U		42
MW-56	cis-1,2-Dichloroethene	UG/L			U		42

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

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DPP/ jef

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Monitoring Well Volatile Organic Results - September 2005
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		42
MW-56	trans-1,2-Dichloroethene	UG/L			U		42
MW-56	Trichloroethene	UG/L			U		42
MW-56	Vinyl chloride	UG/L			U		42

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2090603.030401

Residential Well Volatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-A	1,1,1-Trichloroethane	UG/L	1.0		U		0.5
PW-A	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		0.5
PW-A	1,1,2-Trichloroethane	UG/L	1.0		U		0.5
PW-A	1,1-Dichloroethane	UG/L	1.0		U		0.5
PW-A	1,1-Dichloroethene	UG/L	1.0		U		0.5
PW-A	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	0.5
PW-A	1,2-Dibromo-3-chloropropane	UG/L	NA		U		0.5
PW-A	1,2-Dibromoethane	UG/L	NA		U		0.5
PW-A	1,2-Dichlorobenzene	UG/L	NA		U		0.5
PW-A	1,2-Dichloroethane	UG/L	1.0		U		0.5
PW-A	1,2-Dichloropropane	UG/L	1.0		U		0.5
PW-A	1,3-Dichlorobenzene	UG/L	NA		U		0.5
PW-A	1,4-Dichlorobenzene	UG/L	NA		U		0.5
PW-A	2-Butanone	UG/L	5.0		U	UJ	2.5
PW-A	2-Hexanone	UG/L	5.0		U		2.5
PW-A	4-Methyl-2-pentanone	UG/L	5.0		U		2.5
PW-A	Acetone	UG/L	10		U	UJ	2.5
PW-A	Benzene	UG/L	1.0		U		0.5
PW-A	Bromodichloromethane	UG/L	1.0		U		0.5
PW-A	Bromoform	UG/L	1.0		U		0.5
PW-A	Bromomethane	UG/L	1.0		U		0.5
PW-A	Carbon disulfide	UG/L	1.0		U		0.5
PW-A	Carbon Tetrachloride	UG/L	1.0		U		0.5
PW-A	Chlorobenzene	UG/L	1.0		U		0.5
PW-A	Chloroethane	UG/L	1.0		U		0.5
PW-A	Chloroform	UG/L	1.0		U		0.5
PW-A	Chloromethane	UG/L	1.0		U		0.5
PW-A	cis-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-A	cis-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-A	Dibromochloromethane	UG/L	1.0		U		0.5
PW-A	Dichlorodifluoromethane	UG/L	NA		U		0.5
PW-A	Ethyl Benzene	UG/L	1.0		U		0.5
PW-A	Isopropylbenzene	UG/L	NA		U		0.5
PW-A	Methyl tert-butyl ether	UG/L	NA		U		0.5
PW-A	Methylene chloride	UG/L	1.0		U		0.5
PW-A	m-Xylene	UG/L	NA		U		1
PW-A	o-xylene	UG/L	NA		U		0.5
PW-A	Styrene	UG/L	1.0		U		0.5
PW-A	Tetrachloroethene	UG/L	1.0		U		0.5
PW-A	Toluene	UG/L	1.0		U		0.5
PW-A	trans-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-A	trans-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-A	Trichloroethene	UG/L	1.0		U		0.5
PW-A	Trichlorofluoromethane	UG/L	NA		U		0.5
PW-A	Vinyl chloride	UG/L	1.0		U		0.5
PW-A	Xylenes (total)	UG/L	5.0		U		0.5

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DPP/jef
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2090603.030401

Residential Well Volatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-B	1,1,1-Trichloroethane	UG/L	1.0		U		0.5
PW-B	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		0.5
PW-B	1,1,2-Trichloroethane	UG/L	1.0		U		0.5
PW-B	1,1-Dichloroethane	UG/L	1.0		U		0.5
PW-B	1,1-Dichloroethene	UG/L	1.0		U	UJ	0.5
PW-B	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	0.5
PW-B	1,2-Dibromo-3-chloropropane	UG/L	NA		U		0.5
PW-B	1,2-Dibromoethane	UG/L	NA		U		0.5
PW-B	1,2-Dichlorobenzene	UG/L	NA		U		0.5
PW-B	1,2-Dichloroethane	UG/L	1.0		U		0.5
PW-B	1,2-Dichloropropane	UG/L	1.0		U		0.5
PW-B	1,3-Dichlorobenzene	UG/L	NA		U		0.5
PW-B	1,4-Dichlorobenzene	UG/L	NA		U		0.5
PW-B	2-Butanone	UG/L	5.0		U	UJ	2.5
PW-B	2-Hexanone	UG/L	5.0		U		2.5
PW-B	4-Methyl-2-pentanone	UG/L	5.0		U		2.5
PW-B	Acetone	UG/L	5.0		U	UJ	2.5
PW-B	Benzene	UG/L	1.0		U	UJ	0.5
PW-B	Bromodichloromethane	UG/L	1.0		U		0.5
PW-B	Bromoform	UG/L	1.0		U		0.5
PW-B	Bromomethane	UG/L	1.0		U		0.5
PW-B	Carbon disulfide	UG/L	1.0		U		0.5
PW-B	Carbon Tetrachloride	UG/L	1.0		U		0.5
PW-B	Chlorobenzene	UG/L	1.0		U	UJ	0.5
PW-B	Chloroethane	UG/L	1.0		U		0.5
PW-B	Chloroform	UG/L	1.0		U		0.5
PW-B	Chloromethane	UG/L	1.0		U		0.5
PW-B	cis-1,2-Dichloroethene	UG/L	NA	0.38	J	UB	0.5
PW-B	cis-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-B	Dibromochloromethane	UG/L	1.0		U		0.5
PW-B	Dichlorodifluoromethane	UG/L	NA		U		0.5
PW-B	Ethyl Benzene	UG/L	1.0		U		0.5
PW-B	Isopropylbenzene	UG/L	NA		U		0.5
PW-B	Methyl tert-butyl ether	UG/L	NA		U	UJ	0.5
PW-B	Methylene chloride	UG/L	1.0		U		0.5
PW-B	m-Xylene	UG/L	NA	0.54	J	UB	1
PW-B	o-xylene	UG/L	NA		U		0.5
PW-B	Styrene	UG/L	1.0		U		0.5
PW-B	Tetrachloroethene	UG/L	1.0		U		0.5
PW-B	Toluene	UG/L	1.0	0.32	J	J	0.5
PW-B	trans-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-B	trans-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-B	Trichloroethene	UG/L	1.0		U		0.5
PW-B	Trichlorofluoromethane	UG/L	NA		U		0.5
PW-B	Vinyl chloride	UG/L	1.0		U		0.5
PW-B	Xylenes (total)	UG/L	5.0	0.57		UB	0.5

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DPP/jef

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Residential Well Volatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-C	1,1,1-Trichloroethane	UG/L	1.0		U		0.5
PW-C	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		0.5
PW-C	1,1,2-Trichloroethane	UG/L	1.0		U		0.5
PW-C	1,1-Dichloroethane	UG/L	1.0		U		0.5
PW-C	1,1-Dichloroethene	UG/L	1.0		U		0.5
PW-C	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	0.5
PW-C	1,2-Dibromo-3-chloropropane	UG/L	NA		U		0.5
PW-C	1,2-Dibromoethane	UG/L	NA		U		0.5
PW-C	1,2-Dichlorobenzene	UG/L	NA		U		0.5
PW-C	1,2-Dichloroethane	UG/L	1.0		U		0.5
PW-C	1,2-Dichloropropane	UG/L	1.0		U		0.5
PW-C	1,3-Dichlorobenzene	UG/L	NA		U		0.5
PW-C	1,4-Dichlorobenzene	UG/L	NA		U		0.5
PW-C	2-Butanone	UG/L	5.0		U	UJ	2.5
PW-C	2-Hexanone	UG/L	5.0		U		2.5
PW-C	4-Methyl-2-pentanone	UG/L	5.0		U		2.5
PW-C	Acetone	UG/L	5.0		U	UJ	2.5
PW-C	Benzene	UG/L	1.0		U		0.5
PW-C	Bromodichloromethane	UG/L	1.0		U		0.5
PW-C	Bromoform	UG/L	1.0		U		0.5
PW-C	Bromomethane	UG/L	1.0		U		0.5
PW-C	Carbon disulfide	UG/L	1.0		U		0.5
PW-C	Carbon Tetrachloride	UG/L	1.0		U		0.5
PW-C	Chlorobenzene	UG/L	1.0		U		0.5
PW-C	Chloroethane	UG/L	1.0		U		0.5
PW-C	Chloroform	UG/L	1.0		U		0.5
PW-C	Chloromethane	UG/L	1.0	0.2	J		0.5
PW-C	cis-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-C	cis-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-C	Dibromochloromethane	UG/L	1.0		U		0.5
PW-C	Dichlorodifluoromethane	UG/L	NA		U		0.5
PW-C	Ethyl Benzene	UG/L	1.0		U		0.5
PW-C	Isopropylbenzene	UG/L	NA		U		0.5
PW-C	Methyl tert-butyl ether	UG/L	NA		U	UJ	0.5
PW-C	Methylene chloride	UG/L	1.0		U		0.5
PW-C	m-Xylene	UG/L	NA		U		1
PW-C	o-xylene	UG/L	NA		U		0.5
PW-C	Styrene	UG/L	1.0		U		0.5
PW-C	Tetrachloroethene	UG/L	1.0		U		0.5
PW-C	Toluene	UG/L	1.0		U		0.5
PW-C	trans-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-C	trans-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-C	Trichloroethene	UG/L	1.0		U		0.5
PW-C	Trichlorofluoromethane	UG/L	NA		U		0.5
PW-C	Vinyl chloride	UG/L	1.0		U		0.5
PW-C	Xylenes (total)	UG/L	5.0		U		0.5

BOLD = Exceedance of Highest Baseline Detection

NA = Not Applicable

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

DPP/jef

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Residential Well Volatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-D	1,1,1-Trichloroethane	UG/L	1.0		U		0.5
PW-D	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		0.5
PW-D	1,1,2-Trichloroethane	UG/L	1.0		U		0.5
PW-D	1,1-Dichloroethane	UG/L	1.0		U		0.5
PW-D	1,1-Dichloroethene	UG/L	1.0		U		0.5
PW-D	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	0.5
PW-D	1,2-Dibromo-3-chloropropane	UG/L	NA		U		0.5
PW-D	1,2-Dibromoethane	UG/L	NA		U		0.5
PW-D	1,2-Dichlorobenzene	UG/L	NA		U		0.5
PW-D	1,2-Dichloroethane	UG/L	1.0		U		0.5
PW-D	1,2-Dichloropropane	UG/L	1.0		U		0.5
PW-D	1,3-Dichlorobenzene	UG/L	NA		U		0.5
PW-D	1,4-Dichlorobenzene	UG/L	NA		U		0.5
PW-D	2-Butanone	UG/L	5.0		U	UJ	2.5
PW-D	2-Hexanone	UG/L	5.0		U		2.5
PW-D	4-Methyl-2-pentanone	UG/L	5.0		U		2.5
PW-D	Acetone	UG/L	5.0		U	UJ	2.5
PW-D	Benzene	UG/L	1.0		U		0.5
PW-D	Bromodichloromethane	UG/L	1.0		U		0.5
PW-D	Bromoform	UG/L	1.0		U		0.5
PW-D	Bromomethane	UG/L	1.0		U		0.5
PW-D	Carbon disulfide	UG/L	1.0		U		0.5
PW-D	Carbon Tetrachloride	UG/L	1.0		U		0.5
PW-D	Chlorobenzene	UG/L	1.0		U		0.5
PW-D	Chloroethane	UG/L	1.0		U		0.5
PW-D	Chloroform	UG/L	1.0		U		0.5
PW-D	Chloromethane	UG/L	1.0		U		0.5
PW-D	cis-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-D	cis-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-D	Dibromochloromethane	UG/L	1.0		U		0.5
PW-D	Dichlorodifluoromethane	UG/L	NA		U		0.5
PW-D	Ethyl Benzene	UG/L	1.0		U		0.5
PW-D	Isopropylbenzene	UG/L	NA		U		0.5
PW-D	Methyl tert-butyl ether	UG/L	NA		U	UJ	0.5
PW-D	Methylene chloride	UG/L	2.0		U		0.5
PW-D	m-Xylene	UG/L	NA		U		1
PW-D	o-xylene	UG/L	NA		U		0.5
PW-D	Styrene	UG/L	1.0		U		0.5
PW-D	Tetrachloroethene	UG/L	1.0		U		0.5
PW-D	Toluene	UG/L	1.0		U		0.5
PW-D	trans-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-D	trans-1,3-Dichloropropene	UG/L	1.0		U		0.5
PW-D	Trichloroethene	UG/L	1.0		U		0.5
PW-D	Trichlorofluoromethane	UG/L	NA		U		0.5
PW-D	Vinyl chloride	UG/L	1.0		U		0.5
PW-D	Xylenes (total)	UG/L	5.0		U		0.5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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2090603.030401

Residential Well Volatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-T	1,1,1-Trichloroethane	UG/L	NA		U		0.5
PW-T	1,1,2,2-Tetrachloroethane	UG/L	NA		U		0.5
PW-T	1,1,2-Trichloroethane	UG/L	NA		U		0.5
PW-T	1,1-Dichloroethane	UG/L	NA		U		0.5
PW-T	1,1-Dichloroethene	UG/L	NA		U		0.5
PW-T	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	0.5
PW-T	1,2-Dibromo-3-chloropropane	UG/L	NA		U		0.5
PW-T	1,2-Dibromoethane	UG/L	NA		U		0.5
PW-T	1,2-Dichlorobenzene	UG/L	NA		U		0.5
PW-T	1,2-Dichloroethane	UG/L	NA		U		0.5
PW-T	1,2-Dichloropropane	UG/L	NA		U		0.5
PW-T	1,3-Dichlorobenzene	UG/L	NA		U		0.5
PW-T	1,4-Dichlorobenzene	UG/L	NA		U		0.5
PW-T	2-Butanone	UG/L	NA		U	UJ	2.5
PW-T	2-Hexanone	UG/L	NA		U		2.5
PW-T	4-Methyl-2-pentanone	UG/L	NA		U		2.5
PW-T	Acetone	UG/L	NA		U	UJ	2.5
PW-T	Benzene	UG/L	NA		U		0.5
PW-T	Bromodichloromethane	UG/L	NA		U		0.5
PW-T	Bromoform	UG/L	NA		U		0.5
PW-T	Bromomethane	UG/L	NA		U		0.5
PW-T	Carbon disulfide	UG/L	NA		U		0.5
PW-T	Carbon Tetrachloride	UG/L	NA		U		0.5
PW-T	Chlorobenzene	UG/L	NA		U		0.5
PW-T	Chloroethane	UG/L	NA		U		0.5
PW-T	Chloroform	UG/L	NA		U		0.5
PW-T	Chloromethane	UG/L	NA	0.24	J		0.5
PW-T	cis-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-T	cis-1,3-Dichloropropene	UG/L	NA		U		0.5
PW-T	Dibromochloromethane	UG/L	NA		U		0.5
PW-T	Dichlorodifluoromethane	UG/L	NA		U		0.5
PW-T	Ethyl Benzene	UG/L	NA		U		0.5
PW-T	Isopropylbenzene	UG/L	NA		U		0.5
PW-T	Methyl tert-butyl ether	UG/L	NA		U	UJ	0.5
PW-T	Methylene chloride	UG/L	NA		U		0.5
PW-T	m-Xylene	UG/L	NA		U		1
PW-T	o-xylene	UG/L	NA		U		0.5
PW-T	Styrene	UG/L	NA		U		0.5
PW-T	Tetrachloroethene	UG/L	NA		U		0.5
PW-T	Toluene	UG/L	NA		U		0.5
PW-T	trans-1,2-Dichloroethene	UG/L	NA		U		0.5
PW-T	trans-1,3-Dichloropropene	UG/L	NA		U		0.5
PW-T	Trichloroethene	UG/L	NA		U		0.5
PW-T	Trichlorofluoromethane	UG/L	NA		U		0.5
PW-T	Vinyl chloride	UG/L	NA		U		0.5
PW-T	Xylenes (total)	UG/L	NA		U		0.5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-A	1,2,4,5-Tetrachlorobenzene	UG/L	NA		U		5
PW-A	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-A	2,4,5-Trichlorophenol	UG/L	20		U		20
PW-A	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-A	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-A	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-A	2,4-Dinitrophenol	UG/L	20		U	UJ	20
PW-A	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-A	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-A	2-Chloronaphthalene	UG/L	5.0		U		5
PW-A	2-Chlorophenol	UG/L	5.0		U		5
PW-A	2-Methylnaphthalene	UG/L	5.0		U		5
PW-A	2-Methylphenol	UG/L	5.0		U		5
PW-A	2-Nitroaniline	UG/L	20		U		20
PW-A	2-Nitrophenol	UG/L	5.0		U		5
PW-A	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-A	3-Nitroaniline	UG/L	20		U		20
PW-A	4,6-Dinitro-2-methylphenol	UG/L	20		U		20
PW-A	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-A	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-A	4-Chloroaniline	UG/L	5.0		U		5
PW-A	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-A	4-Methylphenol	UG/L	5.0		U		5
PW-A	4-Nitroaniline	UG/L	20		U		20
PW-A	4-Nitrophenol	UG/L	20		U	UJ	20
PW-A	Acenaphthene	UG/L	5.0		U		5
PW-A	Acenaphthylene	UG/L	5.0		U		5
PW-A	Acetophenone	UG/L	NA		U		5
PW-A	Anthracene	UG/L	5.0		U		5
PW-A	Atazine	UG/L	NA		U		5
PW-A	Benzo(a)anthracene	UG/L	5.0		U		5
PW-A	Benzo(a)pyrene	UG/L	5.0		U		5
PW-A	Benzo(b)fluoranthene	UG/L	5.0		U	UJ	5
PW-A	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-A	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-A	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-A	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-A	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		5
PW-A	Butylbenzylphthalate	UG/L	5.0		U		5
PW-A	Chrysene	UG/L	5.0		U		5
PW-A	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-A	Dibenzofuran	UG/L	5.0		U		5
PW-A	Diethylphthalate	UG/L	5.0		U		5
PW-A	Dimethylphthalate	UG/L	5.0		U		5
PW-A	Di-n-butylphthalate	UG/L	5.0		U		5
PW-A	Di-n-octylphthalate	UG/L	5.0		U	UJ	5

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Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-A	Fluoranthene	UG/L	5.0		U		5
PW-A	Fluorene	UG/L	5.0		U		5
PW-A	Hexachlorobenzene	UG/L	5.0		U		5
PW-A	Hexachlorobutadiene	UG/L	5.0		U	UJ	5
PW-A	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	5
PW-A	Hexachloroethane	UG/L	5.0		U		5
PW-A	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-A	Isophorone	UG/L	5.0		U		5
PW-A	Naphthalene	UG/L	5.0		U		5
PW-A	Nitrobenzene	UG/L	5.0		U		5
PW-A	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-A	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-A	Pentachlorophenol	UG/L	20		U	UJ	5
PW-A	Phenanthrene	UG/L	5.0		U		5
PW-A	Phenol	UG/L	5.0		U		5
PW-A	Pyrene	UG/L	5.0		U		5
PW-B	1,2,4,5-Tetrachlorobenzene	UG/L	NA		U		5
PW-B	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-B	2,4,5-Trichlorophenol	UG/L	20		U		20
PW-B	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-B	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-B	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-B	2,4-Dinitrophenol	UG/L	20		U	UJ	20
PW-B	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-B	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-B	2-Chloronaphthalene	UG/L	5.0		U		5
PW-B	2-Chlorophenol	UG/L	5.0		U		5
PW-B	2-Methylnaphthalene	UG/L	5.0		U		5
PW-B	2-Methylphenol	UG/L	5.0		U		5
PW-B	2-Nitroaniline	UG/L	20		U		20
PW-B	2-Nitrophenol	UG/L	5.0		U		5
PW-B	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-B	3-Nitroaniline	UG/L	20		U		20
PW-B	4,6-Dinitro-2-methylphenol	UG/L	20		U		20
PW-B	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-B	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-B	4-Chloroaniline	UG/L	5.0		U		5
PW-B	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-B	4-Methylphenol	UG/L	5.0		U		5
PW-B	4-Nitroaniline	UG/L	20		U		20
PW-B	4-Nitrophenol	UG/L	20		U	UJ	20
PW-B	Acenaphthene	UG/L	5.0		U		5
PW-B	Acenaphthylene	UG/L	5.0		U		5
PW-B	Acetophenone	UG/L	NA		U		5
PW-B	Anthracene	UG/L	5.0		U		5
PW-B	Atazine	UG/L	NA		U		5

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DPP/jef
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Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-B	Benzo(a)anthracene	UG/L	5.0		U		5
PW-B	Benzo(a)pyrene	UG/L	5.0		U		5
PW-B	Benzo(b)fluoranthene	UG/L	5.0		U	UJ	5
PW-B	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-B	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-B	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-B	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-B	Bis(2-ethylhexyl)phthalate	UG/L	5.0	4.8	JB	UB	5
PW-B	Butylbenzylphthalate	UG/L	5.0		U		5
PW-B	Chrysene	UG/L	5.0		U		5
PW-B	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-B	Dibenzofuran	UG/L	5.0		U		5
PW-B	Diethylphthalate	UG/L	5.0		U		5
PW-B	Dimethylphthalate	UG/L	5.0		U		5
PW-B	Di-n-butylphthalate	UG/L	5.0		U		5
PW-B	Di-n-octylphthalate	UG/L	5.0		U	UJ	5
PW-B	Fluoranthene	UG/L	5.0		U		5
PW-B	Fluorene	UG/L	5.0		U		5
PW-B	Hexachlorobenzene	UG/L	5.0		U		5
PW-B	Hexachlorobutadiene	UG/L	5.0		U	UJ	5
PW-B	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	5
PW-B	Hexachloroethane	UG/L	5.0		U		5
PW-B	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-B	Isophorone	UG/L	5.0		U		5
PW-B	Naphthalene	UG/L	5.0		U		5
PW-B	Nitrobenzene	UG/L	5.0		U		5
PW-B	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-B	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-B	Pentachlorophenol	UG/L	20		U	UJ	5
PW-B	Phenanthrene	UG/L	5.0		U		5
PW-B	Phenol	UG/L	5.0		U		5
PW-B	Pyrene	UG/L	5.0		U		5
PW-C	1,2,4,5-Tetrachlorobenzene	UG/L	NA		U		5
PW-C	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-C	2,4,5-Trichlorophenol	UG/L	20		U		20
PW-C	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-C	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-C	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-C	2,4-Dinitrophenol	UG/L	20		U	UJ	20
PW-C	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-C	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-C	2-Chloronaphthalene	UG/L	5.0		U		5
PW-C	2-Chlorophenol	UG/L	5.0		U		5
PW-C	2-Methylnaphthalene	UG/L	5.0		U		5
PW-C	2-Methylphenol	UG/L	5.0		U		5
PW-C	2-Nitroaniline	UG/L	20		U		20

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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

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

Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-C	2-Nitrophenol	UG/L	5.0		U		5
PW-C	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-C	3-Nitroaniline	UG/L	20		U		20
PW-C	4,6-Dinitro-2-methylphenol	UG/L	20		U		20
PW-C	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-C	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-C	4-Chloroaniline	UG/L	5.0		U		5
PW-C	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-C	4-Methylphenol	UG/L	5.0		U		5
PW-C	4-Nitroaniline	UG/L	20		U		20
PW-C	4-Nitrophenol	UG/L	20		U	UJ	20
PW-C	Acenaphthene	UG/L	5.0		U		5
PW-C	Acenaphthylene	UG/L	5.0		U		5
PW-C	Acetophenone	UG/L	NA		U		5
PW-C	Anthracene	UG/L	5.0		U		5
PW-C	Atazine	UG/L	NA		U		5
PW-C	Benzo(a)anthracene	UG/L	5.0		U		5
PW-C	Benzo(a)pyrene	UG/L	5.0		U		5
PW-C	Benzo(b)fluoranthene	UG/L	5.0		U		5
PW-C	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-C	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-C	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-C	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-C	Bis(2-ethylhexyl)phthalate	UG/L	5.0		B	UB	5
PW-C	Butylbenzylphthalate	UG/L	5.0		U		5
PW-C	Chrysene	UG/L	5.0		U		5
PW-C	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-C	Dibenzofuran	UG/L	5.0		U		5
PW-C	Diethylphthalate	UG/L	5.0		U		5
PW-C	Dimethylphthalate	UG/L	5.0		U		5
PW-C	Di-n-butylphthalate	UG/L	5.0		U		5
PW-C	Di-n-octylphthalate	UG/L	5.0		U	UJ	5
PW-C	Fluoranthene	UG/L	5.0		U		5
PW-C	Fluorene	UG/L	5.0		U		5
PW-C	Hexachlorobenzene	UG/L	5.0		U		5
PW-C	Hexachlorobutadiene	UG/L	5.0		U	UJ	5
PW-C	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	5
PW-C	Hexachloroethane	UG/L	5.0		U		5
PW-C	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-C	Isophorone	UG/L	5.0		U		5
PW-C	Naphthalene	UG/L	5.0		U		5
PW-C	Nitrobenzene	UG/L	5.0		U		5
PW-C	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-C	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-C	Pentachlorophenol	UG/L	20		U	UJ	5
PW-C	Phenanthrene	UG/L	5.0		U		5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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

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Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-C	Phenol	UG/L	5.0		U		5
PW-C	Pyrene	UG/L	5.0		U		5
PW-D	1,2,4,5-Tetrachlorobenzene	UG/L	NA		U		5
PW-D	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-D	2,4,5-Trichlorophenol	UG/L	20		U		20
PW-D	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-D	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-D	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-D	2,4-Dinitrophenol	UG/L	20		U	UJ	20
PW-D	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-D	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-D	2-Chloronaphthalene	UG/L	5.0		U		5
PW-D	2-Chlorophenol	UG/L	5.0		U		5
PW-D	2-Methylnaphthalene	UG/L	5.0		U		5
PW-D	2-Methylphenol	UG/L	5.0		U		5
PW-D	2-Nitroaniline	UG/L	20		U		20
PW-D	2-Nitrophenol	UG/L	5.0		U		5
PW-D	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-D	3-Nitroaniline	UG/L	20		U		20
PW-D	4,6-Dinitro-2-methylphenol	UG/L	20		U		20
PW-D	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-D	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-D	4-Chloroaniline	UG/L	5.0		U		5
PW-D	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-D	4-Methylphenol	UG/L	5.0		U		5
PW-D	4-Nitroaniline	UG/L	20		U		20
PW-D	4-Nitrophenol	UG/L	20		U	UJ	20
PW-D	Acenaphthene	UG/L	5.0		U		5
PW-D	Acenaphthylene	UG/L	5.0		U		5
PW-D	Acetophenone	UG/L	NA		U		5
PW-D	Anthracene	UG/L	5.0		U		5
PW-D	Atazine	UG/L	NA		U		5
PW-D	Benzo(a)anthracene	UG/L	5.0		U		5
PW-D	Benzo(a)pyrene	UG/L	5.0		U		5
PW-D	Benzo(b)fluoranthene	UG/L	5.0		U		5
PW-D	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-D	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-D	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-D	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-D	Bis(2-ethylhexyl)phthalate	UG/L	5.0	**12**	B	UB	5
PW-D	Butylbenzylphthalate	UG/L	5.0		U		5
PW-D	Chrysene	UG/L	5.0		U		5
PW-D	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-D	Dibenzofuran	UG/L	5.0		U		5
PW-D	Diethylphthalate	UG/L	5.0		U		5
PW-D	Dimethylphthalate	UG/L	5.0		U		5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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

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

Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-D	Di-n-butylphthalate	UG/L	5.0		U		5
PW-D	Di-n-octylphthalate	UG/L	5.0		U	UJ	5
PW-D	Fluoranthene	UG/L	5.0		U		5
PW-D	Fluorene	UG/L	5.0		U		5
PW-D	Hexachlorobenzene	UG/L	5.0		U		5
PW-D	Hexachlorobutadiene	UG/L	5.0		U	UJ	5
PW-D	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	5
PW-D	Hexachloroethane	UG/L	5.0		U		5
PW-D	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-D	Isophorone	UG/L	5.0		U		5
PW-D	Naphthalene	UG/L	5.0		U		5
PW-D	Nitrobenzene	UG/L	5.0		U		5
PW-D	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-D	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-D	Pentachlorophenol	UG/L	20		U	UJ	5
PW-D	Phenanthrene	UG/L	5.0		U		5
PW-D	Phenol	UG/L	5.0		U		5
PW-D	Pyrene	UG/L	5.0		U		5
PW-T	1,2,4,5-Tetrachlorobenzene	UG/L	NA		U		5
PW-T	2,2'-oxybis(1-Chloropropane)	UG/L	NA		U		5
PW-T	2,4,5-Trichlorophenol	UG/L	NA		U		20
PW-T	2,4,6-Trichlorophenol	UG/L	NA		U		5
PW-T	2,4-Dichlorophenol	UG/L	NA		U		5
PW-T	2,4-Dimethylphenol	UG/L	NA		U		5
PW-T	2,4-Dinitrophenol	UG/L	NA		U	UJ	20
PW-T	2,4-Dinitrotoluene	UG/L	NA		U		5
PW-T	2,6-Dinitrotoluene	UG/L	NA		U		5
PW-T	2-Chloronaphthalene	UG/L	NA		U		5
PW-T	2-Chlorophenol	UG/L	NA		U		5
PW-T	2-Methylnaphthalene	UG/L	NA		U		5
PW-T	2-Methylphenol	UG/L	NA		U		5
PW-T	2-Nitroaniline	UG/L	NA		U		20
PW-T	2-Nitrophenol	UG/L	NA		U		5
PW-T	3,3'-Dichlorobenzidine	UG/L	NA		U		5
PW-T	3-Nitroaniline	UG/L	NA		U		20
PW-T	4,6-Dinitro-2-methylphenol	UG/L	NA		U		20
PW-T	4-Bromophenyl-phenylether	UG/L	NA		U		5
PW-T	4-Chloro-3-methylphenol	UG/L	NA		U		5
PW-T	4-Chloroaniline	UG/L	NA		U		5
PW-T	4-Chlorophenyl-phenyl ether	UG/L	NA		U		5
PW-T	4-Methylphenol	UG/L	NA		U		5
PW-T	4-Nitroaniline	UG/L	NA		U		20
PW-T	4-Nitrophenol	UG/L	NA		U	UJ	20
PW-T	Acenaphthene	UG/L	NA		U		5
PW-T	Acenaphthylene	UG/L	NA		U		5
PW-T	Acetophenone	UG/L	NA		U		5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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

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

Residential Well Semivolatile Organic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-T	Anthracene	UG/L	NA		U		5
PW-T	Atazine	UG/L	NA		U		5
PW-T	Benzo(a)anthracene	UG/L	NA		U		5
PW-T	Benzo(a)pyrene	UG/L	NA		U		5
PW-T	Benzo(b)fluoranthene	UG/L	NA		U	UJ	5
PW-T	Benzo(g,h,i)perylene	UG/L	NA		U		5
PW-T	Benzo(k)fluoranthene	UG/L	NA		U		5
PW-T	bis(2-chloroethyl) ether	UG/L	NA		U		5
PW-T	bis(2-chloroethyl) ether	UG/L	NA		U		5
PW-T	Bis(2-ethylhexyl)phthalate	UG/L	NA	18	B	UB	5
PW-T	Butylbenzylphthalate	UG/L	NA		U		5
PW-T	Chrysene	UG/L	NA		U		5
PW-T	Dibenzo(a,h)anthracene	UG/L	NA		U		5
PW-T	Dibenzofuran	UG/L	NA		U		5
PW-T	Diethylphthalate	UG/L	NA		U		5
PW-T	Dimethylphthalate	UG/L	NA		U		5
PW-T	Di-n-butylphthalate	UG/L	NA		U		5
PW-T	Di-n-octylphthalate	UG/L	NA		U	UJ	5
PW-T	Fluoranthene	UG/L	NA		U		5
PW-T	Fluorene	UG/L	NA		U		5
PW-T	Hexachlorobenzene	UG/L	NA		U		5
PW-T	Hexachlorobutadiene	UG/L	NA		U	UJ	5
PW-T	Hexachlorocyclopentadiene	UG/L	NA		U	UJ	5
PW-T	Hexachloroethane	UG/L	NA		U		5
PW-T	Indeno(1,2,3-cd)pyrene	UG/L	NA		U		5
PW-T	Isophorone	UG/L	NA		U		5
PW-T	Naphthalene	UG/L	NA		U		5
PW-T	Nitrobenzene	UG/L	NA		U		5
PW-T	N-Nitroso-di-n-propylamine	UG/L	NA		U		5
PW-T	N-Nitrosodiphenylamine	UG/L	NA		U		5
PW-T	Pentachlorophenol	UG/L	NA		U	UJ	5
PW-T	Phenanthrene	UG/L	NA		U		5
PW-T	Phenol	UG/L	NA		U		5
PW-T	Pyrene	UG/L	NA		U		5

BOLD = Exceedance of Highest Baseline Detection
NA = Not Applicable

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

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

Residential Well Pesticide and PCB Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-A	4,4'-DDD	UG/L	0.02		U	UJ	0.02
PW-A	4,4'-DDE	UG/L	0.02		U	UJ	0.02
PW-A	4,4'-DDT	UG/L	0.02		U	UJ	0.02
PW-A	Aldrin	UG/L	0.01		U	UJ	0.01
PW-A	alpha-BHC	UG/L	0.01		U	UJ	0.01
PW-A	alpha-Chlordane	UG/L	0.01		U	UJ	0.01
PW-A	Aroclor-1016	UG/L	0.20		U	UJ	0.2
PW-A	Aroclor-1221	UG/L	0.40		U	UJ	0.4
PW-A	Aroclor-1232	UG/L	0.20		U	UJ	0.2
PW-A	Aroclor-1242	UG/L	0.20		U	UJ	0.2
PW-A	Aroclor-1248	UG/L	0.20		U	UJ	0.2
PW-A	Aroclor-1254	UG/L	0.20		U	UJ	0.2
PW-A	Aroclor-1260	UG/L	0.20		U	UJ	0.2
PW-A	beta-BHC	UG/L	0.01		U	UJ	0.01
PW-A	delta-BHC	UG/L	0.01		U	UJ	0.01
PW-A	Dieldrin	UG/L	0.02		U	UJ	0.02
PW-A	Endosulfan I	UG/L	0.01		U	UJ	0.01
PW-A	Endosulfan II	UG/L	0.02		U	UJ	0.02
PW-A	Endosulfan sulfate	UG/L	0.02		U	UJ	0.02
PW-A	Endrin	UG/L	0.02		U	UJ	0.02
PW-A	Endrin aldehyde	UG/L	0.02		U	UJ	0.02
PW-A	Endrin ketone	UG/L	0.02		U	UJ	0.02
PW-A	gamma-BHC	UG/L	0.01		U	UJ	0.01
PW-A	gamma-Chlordane	UG/L	0.01		U	UJ	0.01
PW-A	Heptachlor	UG/L	0.01		U	UJ	0.01
PW-A	Heptachlor epoxide	UG/L	0.01		U	UJ	0.01
PW-A	Methoxychlor	UG/L	0.10		U	UJ	0.1
PW-A	Toxaphene	UG/L	1.0		U	UJ	1
PW-B	4,4'-DDD	UG/L	0.02		U	UJ	0.02
PW-B	4,4'-DDE	UG/L	0.02		U	UJ	0.02
PW-B	4,4'-DDT	UG/L	0.02		U	UJ	0.02
PW-B	Aldrin	UG/L	0.01		U	UJ	0.01
PW-B	alpha-BHC	UG/L	0.01		U	UJ	0.01
PW-B	alpha-Chlordane	UG/L	0.01		U	UJ	0.01
PW-B	Aroclor-1016	UG/L	0.20		U	UJ	0.2
PW-B	Aroclor-1221	UG/L	0.40		U	UJ	0.4
PW-B	Aroclor-1232	UG/L	0.20		U	UJ	0.2
PW-B	Aroclor-1242	UG/L	0.20		U	UJ	0.2
PW-B	Aroclor-1248	UG/L	0.20		U	UJ	0.2
PW-B	Aroclor-1254	UG/L	0.20		U	UJ	0.2
PW-B	Aroclor-1260	UG/L	0.20		U	UJ	0.2
PW-B	beta-BHC	UG/L	0.01		U	UJ	0.01
PW-B	delta-BHC	UG/L	0.01		U	UJ	0.01
PW-B	Dieldrin	UG/L	0.02		U	UJ	0.02
PW-B	Endosulfan I	UG/L	0.01		U	UJ	0.01
PW-B	Endosulfan II	UG/L	0.02		U	UJ	0.02

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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

DPP/jef

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Residential Well Pesticide and PCB Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-B	Endosulfan sulfate	UG/L	0.02		U	UJ	0.02
PW-B	Endrin	UG/L	0.02		U	UJ	0.02
PW-B	Endrin aldehyde	UG/L	0.02		U	UJ	0.02
PW-B	Endrin ketone	UG/L	0.02		U	UJ	0.02
PW-B	gamma-BHC	UG/L	0.01		U	UJ	0.01
PW-B	gamma-Chlordane	UG/L	0.01		U	UJ	0.01
PW-B	Heptachlor	UG/L	0.01		U	UJ	0.01
PW-B	Heptachlor epoxide	UG/L	0.01		U	UJ	0.01
PW-B	Methoxychlor	UG/L	0.10		U	UJ	0.1
PW-B	Toxaphene	UG/L	1.0		U	UJ	1
PW-C	4,4'-DDD	UG/L	0.02		U	UJ	0.02
PW-C	4,4'-DDE	UG/L	0.02		U	UJ	0.02
PW-C	4,4'-DDT	UG/L	0.02		U	UJ	0.02
PW-C	Aldrin	UG/L	0.01		U	UJ	0.01
PW-C	alpha-BHC	UG/L	0.01		U	UJ	0.01
PW-C	alpha-Chlordane	UG/L	0.01		U	UJ	0.01
PW-C	Aroclor-1016	UG/L	0.20		U	UJ	0.2
PW-C	Aroclor-1221	UG/L	0.40		U	UJ	0.4
PW-C	Aroclor-1232	UG/L	0.20		U	UJ	0.2
PW-C	Aroclor-1242	UG/L	0.20		U	UJ	0.2
PW-C	Aroclor-1248	UG/L	0.20		U	UJ	0.2
PW-C	Aroclor-1254	UG/L	0.20		U	UJ	0.2
PW-C	Aroclor-1260	UG/L	0.20		U	UJ	0.2
PW-C	beta-BHC	UG/L	0.01		U	UJ	0.01
PW-C	delta-BHC	UG/L	0.01		U	UJ	0.01
PW-C	Dieldrin	UG/L	0.02		U	UJ	0.02
PW-C	Endosulfan I	UG/L	0.01		U	UJ	0.01
PW-C	Endosulfan II	UG/L	0.02		U	UJ	0.02
PW-C	Endosulfan sulfate	UG/L	0.02		U	UJ	0.02
PW-C	Endrin	UG/L	0.02		U	UJ	0.02
PW-C	Endrin aldehyde	UG/L	0.02		U	UJ	0.02
PW-C	Endrin ketone	UG/L	0.02		U	UJ	0.02
PW-C	gamma-BHC	UG/L	0.01		U	UJ	0.01
PW-C	gamma-Chlordane	UG/L	0.01		U	UJ	0.01
PW-C	Heptachlor	UG/L	0.01		U	UJ	0.01
PW-C	Heptachlor epoxide	UG/L	0.01		U	UJ	0.01
PW-C	Methoxychlor	UG/L	0.10		U	UJ	0.1
PW-C	Toxaphene	UG/L	1.0		U	UJ	1
PW-D	4,4'-DDD	UG/L	0.02		U	UJ	0.02
PW-D	4,4'-DDE	UG/L	0.02		U	UJ	0.02
PW-D	4,4'-DDT	UG/L	0.02		U	UJ	0.02
PW-D	Aldrin	UG/L	0.01		U	UJ	0.01
PW-D	alpha-BHC	UG/L	0.01		U	UJ	0.01
PW-D	alpha-Chlordane	UG/L	0.01		U	UJ	0.01
PW-D	Aroclor-1016	UG/L	0.20		U	UJ	0.2
PW-D	Aroclor-1221	UG/L	0.40		U	UJ	0.4

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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

DPP/jef

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Residential Well Pesticide and PCB Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-D	Aroclor-1232	UG/L	0.20		U	UJ	0.2
PW-D	Aroclor-1242	UG/L	0.20		U	UJ	0.2
PW-D	Aroclor-1248	UG/L	0.20		U	UJ	0.2
PW-D	Aroclor-1254	UG/L	0.20		U	UJ	0.2
PW-D	Aroclor-1260	UG/L	0.20		U	UJ	0.2
PW-D	beta-BHC	UG/L	0.01		U	UJ	0.01
PW-D	delta-BHC	UG/L	0.01		U	UJ	0.01
PW-D	Dieldrin	UG/L	0.02		U	UJ	0.02
PW-D	Endosulfan I	UG/L	0.01		U	UJ	0.01
PW-D	Endosulfan II	UG/L	0.02		U	UJ	0.02
PW-D	Endosulfan sulfate	UG/L	0.02		U	UJ	0.02
PW-D	Endrin	UG/L	0.02		U	UJ	0.02
PW-D	Endrin aldehyde	UG/L	0.02		U	UJ	0.02
PW-D	Endrin ketone	UG/L	0.02		U	UJ	0.02
PW-D	gamma-BHC	UG/L	0.01		U	UJ	0.01
PW-D	gamma-Chlordane	UG/L	0.01		U	UJ	0.01
PW-D	Heptachlor	UG/L	0.01		U	UJ	0.01
PW-D	Heptachlor epoxide	UG/L	0.01		U	UJ	0.01
PW-D	Methoxychlor	UG/L	0.10		U	UJ	0.1
PW-D	Toxaphene	UG/L	1.0		U	UJ	1
PW-T	4,4'-DDD	UG/L	NA		U	UJ	0.02
PW-T	4,4'-DDE	UG/L	NA		U	UJ	0.02
PW-T	4,4'-DDT	UG/L	NA		U	UJ	0.02
PW-T	Aldrin	UG/L	NA		U	UJ	0.01
PW-T	alpha-BHC	UG/L	NA		U	UJ	0.01
PW-T	alpha-Chlordane	UG/L	NA		U	UJ	0.01
PW-T	Aroclor-1016	UG/L	NA		U	UJ	0.2
PW-T	Aroclor-1221	UG/L	NA		U	UJ	0.4
PW-T	Aroclor-1232	UG/L	NA		U	UJ	0.2
PW-T	Aroclor-1242	UG/L	NA		U	UJ	0.2
PW-T	Aroclor-1248	UG/L	NA		U	UJ	0.2
PW-T	Aroclor-1254	UG/L	NA		U	UJ	0.2
PW-T	Aroclor-1260	UG/L	NA		U	UJ	0.2
PW-T	beta-BHC	UG/L	NA		U	UJ	0.01
PW-T	delta-BHC	UG/L	NA		U	UJ	0.01
PW-T	Dieldrin	UG/L	NA		U	UJ	0.02
PW-T	Endosulfan I	UG/L	NA		U	UJ	0.01
PW-T	Endosulfan II	UG/L	NA		U	UJ	0.02
PW-T	Endosulfan sulfate	UG/L	NA		U	UJ	0.02
PW-T	Endrin	UG/L	NA		U	UJ	0.02
PW-T	Endrin aldehyde	UG/L	NA		U	UJ	0.02
PW-T	Endrin ketone	UG/L	NA		U	UJ	0.02
PW-T	gamma-BHC	UG/L	NA		U	UJ	0.01
PW-T	gamma-Chlordane	UG/L	NA		U	UJ	0.01
PW-T	Heptachlor	UG/L	NA		U	UJ	0.01
PW-T	Heptachlor epoxide	UG/L	NA		U	UJ	0.01

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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

DPP/jef

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Residential Well Pesticide and PCB Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-T	Methoxychlor	UG/L	NA		U	UJ	0.1
PW-T	Toxaphene	UG/L	NA		U	UJ	1

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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DPP/jef

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20090603 030401

Residential Well Inorganic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-A	Aluminum	UG/L	11		U		200
PW-A	Antimony	UG/L	1.0		B		10
PW-A	Arsenic	UG/L	2.0		U		10
PW-A	Barium	UG/L	119	113	B	B	200
PW-A	Beryllium	UG/L	1.0	0.15	B	UB	5
PW-A	Cadmium	UG/L	1.0		U		5
PW-A	Calcium	UG/L	93,400	80,300		B	5,000
PW-A	Chromium (Total)	UG/L	1.0		U		10
PW-A	Cobalt	UG/L	1.0		U		5
PW-A	Copper	UG/L	4.8		U		5
PW-A	Cyanide (Total)	UG/L	10		U		10
PW-A	Iron	UG/L	2,870	1,880		B	100
PW-A	Lead	UG/L	1.0		U		3
PW-A	Magnesium	UG/L	43,500	41,000		B	5,000
PW-A	Manganese	UG/L	54	32.5		B	10
PW-A	Mercury	UG/L	0.20		U		0.2
PW-A	Nickel	UG/L	2.5	1.3	B		40
PW-A	Potassium	UG/L	1,860	1,630	B		5,000
PW-A	Selenium	UG/L	2.0		UN	UJ	5
PW-A	Silver	UG/L	1.0		U		5
PW-A	Sodium	UG/L	15,600				5,000
PW-A	Thallium	UG/L	3.0		U		10
PW-A	Vanadium	UG/L	1.0		U		20
PW-A	Zinc	UG/L	121	2.9	B	UB	20
PW-B	Aluminum	UG/L	19		U		200
PW-B	Antimony	UG/L	1.0		U		10
PW-B	Arsenic	UG/L	2.0		U		10
PW-B	Barium	UG/L	121	112	B	B	200
PW-B	Beryllium	UG/L	1.0	0.17	B	UB	5
PW-B	Cadmium	UG/L	1.0		U		5
PW-B	Calcium	UG/L	91,200	82,100		B	5,000
PW-B	Chromium (Total)	UG/L	1.0		U		10
PW-B	Cobalt	UG/L	1.0		U		5
PW-B	Copper	UG/L	2.3		B		5
PW-B	Cyanide (Total)	UG/L	10		U		10
PW-B	Iron	UG/L	2,170			B	100
PW-B	Lead	UG/L	1.0			UB	3
PW-B	Magnesium	UG/L	42,700	38,600		B	5,000
PW-B	Manganese	UG/L	56			B	10
PW-B	Mercury	UG/L	0.20		U		0.2
PW-B	Nickel	UG/L	3.3		U		40
PW-B	Potassium	UG/L	1,760	1,280	B		5,000
PW-B	Selenium	UG/L	2.0		UN	UJ	5
PW-B	Silver	UG/L	1.0		U		5
PW-B	Sodium	UG/L	14,200				5,000

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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[rptPWNewResultsInorg]
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Residential Well Inorganic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-B	Thallium	UG/L	3.0		U		10
PW-B	Vanadium	UG/L	1.0		U		20
PW-B	Zinc	UG/L	9.6	8.9	B	UB	20
PW-C	Aluminum	UG/L	25		U		200
PW-C	Antimony	UG/L	1.0		U		10
PW-C	Arsenic	UG/L	2.0		U		10
PW-C	Barium	UG/L	166	125	B	B	200
PW-C	Beryllium	UG/L	1.0	0.18	B	UB	5
PW-C	Cadmium	UG/L	1.0		U		5
PW-C	Calcium	UG/L	93,200	79,600		B	5,000
PW-C	Chromium (Total)	UG/L	1.0		U		10
PW-C	Cobalt	UG/L	1.0		U		5
PW-C	Copper	UG/L	32		U		5
PW-C	Cyanide (Total)	UG/L	10		U		10
PW-C	Iron	UG/L	3,030	2,160		B	100
PW-C	Lead	UG/L	1.9		U		3
PW-C	Magnesium	UG/L	53,700	43,100		B	5,000
PW-C	Manganese	UG/L	35	30.1		B	10
PW-C	Mercury	UG/L	0.20		U		0.2
PW-C	Nickel	UG/L	1.0		B		40
PW-C	Potassium	UG/L	2,730	1,650	B		5,000
PW-C	Selenium	UG/L	2.0		UN	UJ	5
PW-C	Silver	UG/L	1.0		U		5
PW-C	Sodium	UG/L	23,300	17,000			5,000
PW-C	Thallium	UG/L	3.0		U		10
PW-C	Vanadium	UG/L	1.0		U		20
PW-C	Zinc	UG/L	79		U		20
PW-D	Aluminum	UG/L	125		U		200
PW-D	Antimony	UG/L	1.0		U		10
PW-D	Arsenic	UG/L	2.0		U		10
PW-D	Barium	UG/L	157	125	B	B	200
PW-D	Beryllium	UG/L	1.0	0.2	B	UB	5
PW-D	Cadmium	UG/L	1.1		U		5
PW-D	Calcium	UG/L	96,800	84,900		B	5,000
PW-D	Chromium (Total)	UG/L	1.0		U		10
PW-D	Cobalt	UG/L	1.0		U		5
PW-D	Copper	UG/L	155	2.2	B		5
PW-D	Cyanide (Total)	UG/L	10		U		10
PW-D	Iron	UG/L	3,190	1,700		B	100
PW-D	Lead	UG/L	23	1.8	B	UB	3
PW-D	Magnesium	UG/L	50,900	44,000		B	5,000
PW-D	Manganese	UG/L	48	28.7		B	10
PW-D	Mercury	UG/L	0.20		U		0.2
PW-D	Nickel	UG/L	4.3		U		40
PW-D	Potassium	UG/L	2,660	1,670	B		5,000

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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[rptPWNewResultsInorg]
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Residential Well Inorganic Results - September 2005
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	September 2005			
				Result	LQ	DQ	Detect Limit
PW-D	Selenium	UG/L	2.0		UN	UJ	5
PW-D	Silver	UG/L	1.0		U		5
PW-D	Sodium	UG/L	24,100	18,300			5,000
PW-D	Thallium	UG/L	3.0		U		10
PW-D	Vanadium	UG/L	1.0		U		20
PW-D	Zinc	UG/L	1,580	10	B	UB	20
PW-T	Aluminum	UG/L			U		200
PW-T	Antimony	UG/L		3.7	B		10
PW-T	Arsenic	UG/L			U		10
PW-T	Barium	UG/L		127	B	B	200
PW-T	Beryllium	UG/L		0.22	B	UB	5
PW-T	Cadmium	UG/L			U		5
PW-T	Calcium	UG/L		85,800		B	5,000
PW-T	Chromium (Total)	UG/L			U		10
PW-T	Cobalt	UG/L			U		5
PW-T	Copper	UG/L			U		5
PW-T	Cyanide (Total)	UG/L			U		10
PW-T	Iron	UG/L		2,180		B	100
PW-T	Lead	UG/L			U		3
PW-T	Magnesium	UG/L		45,500		B	5,000
PW-T	Manganese	UG/L		32.2		B	10
PW-T	Mercury	UG/L			U		0.2
PW-T	Nickel	UG/L			U		40
PW-T	Potassium	UG/L		1,770	B		5,000
PW-T	Selenium	UG/L		4.5	UN	UJ	5
PW-T	Silver	UG/L			U		5
PW-T	Sodium	UG/L		19,000			5,000
PW-T	Thallium	UG/L			U		10
PW-T	Vanadium	UG/L			U		20
PW-T	Zinc	UG/L		21.8		B	20

= Exceedance of Highest Baseline Detection

NA = Not Applicable

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Appendix B

MWH

Appendix B
Concentration Vs. Time Plots

Upper Aquifer Monitoring Wells

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

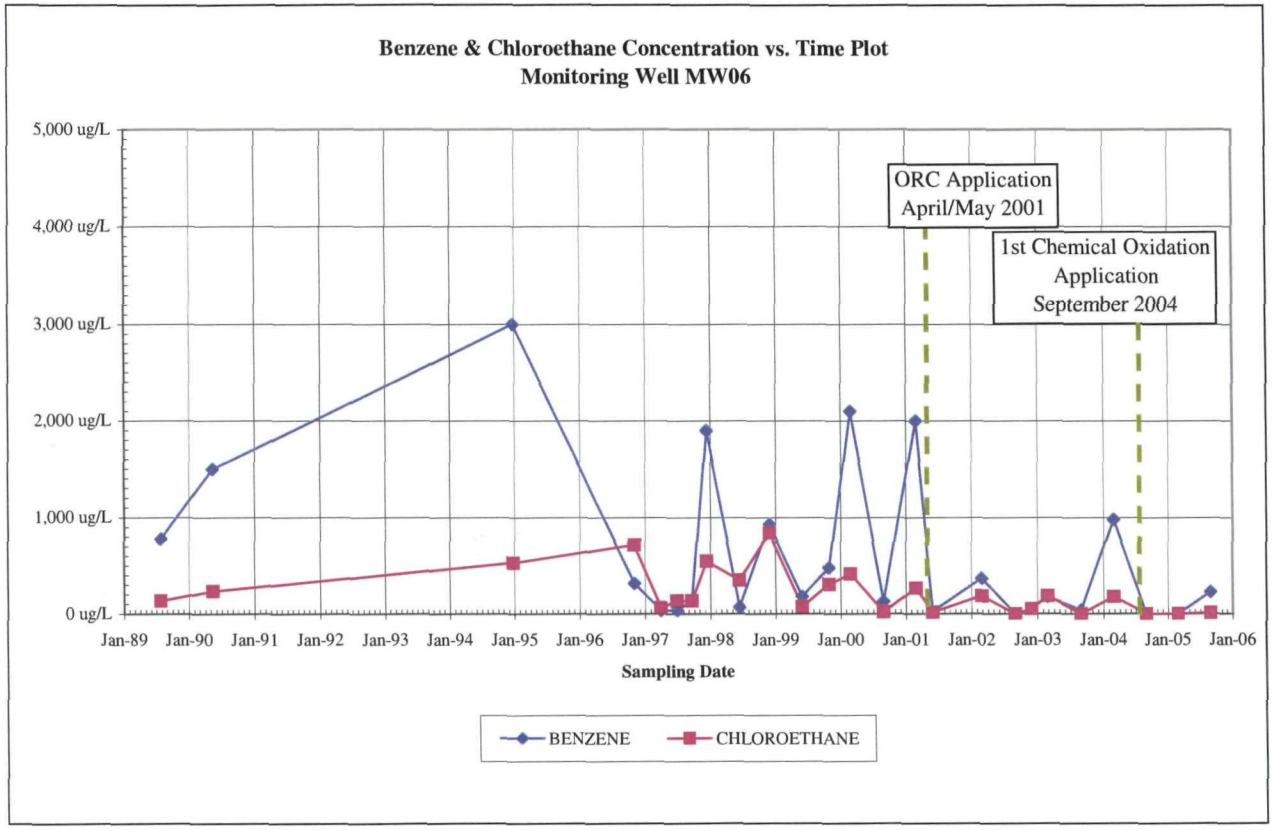
Lower Aquifer Monitoring Wells

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

BDL = Below the Detection Limit



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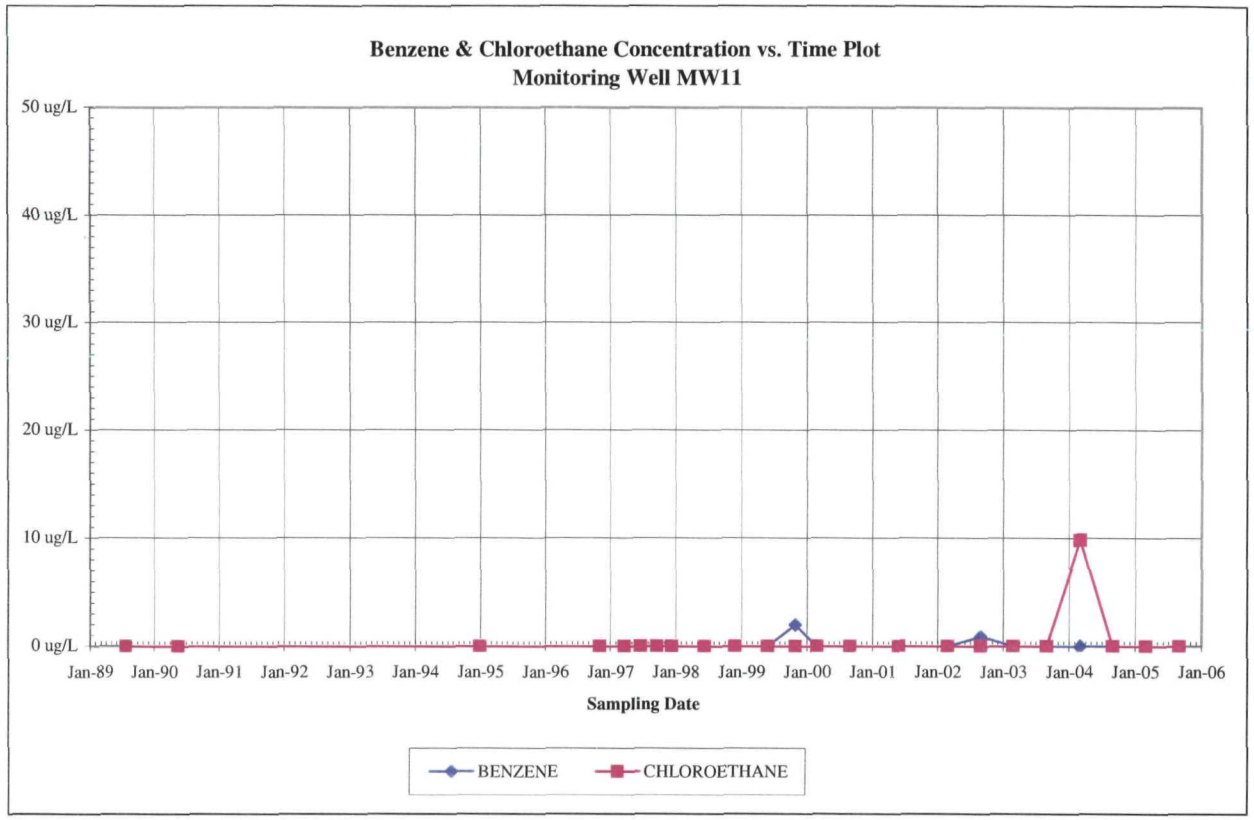
Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW11

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

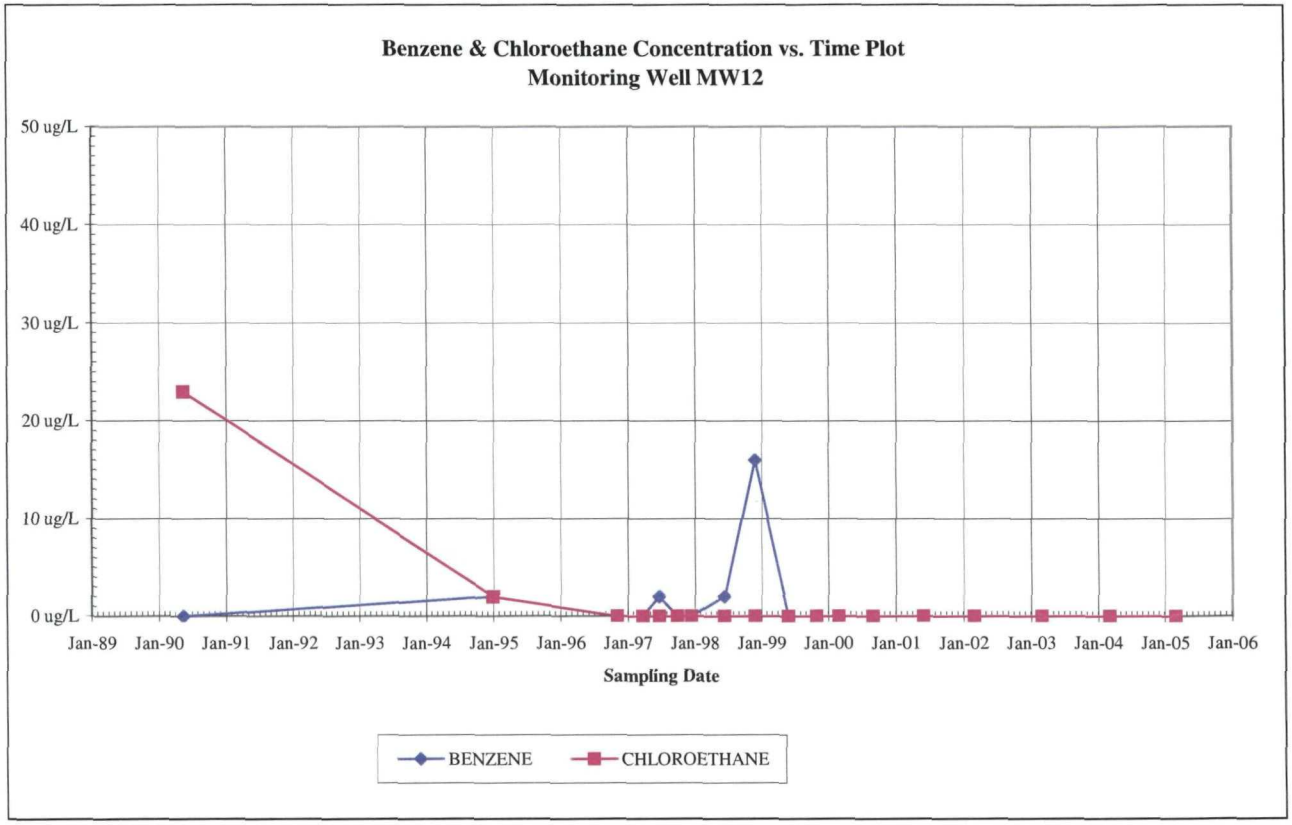
BDL = Below the Detection Limit



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

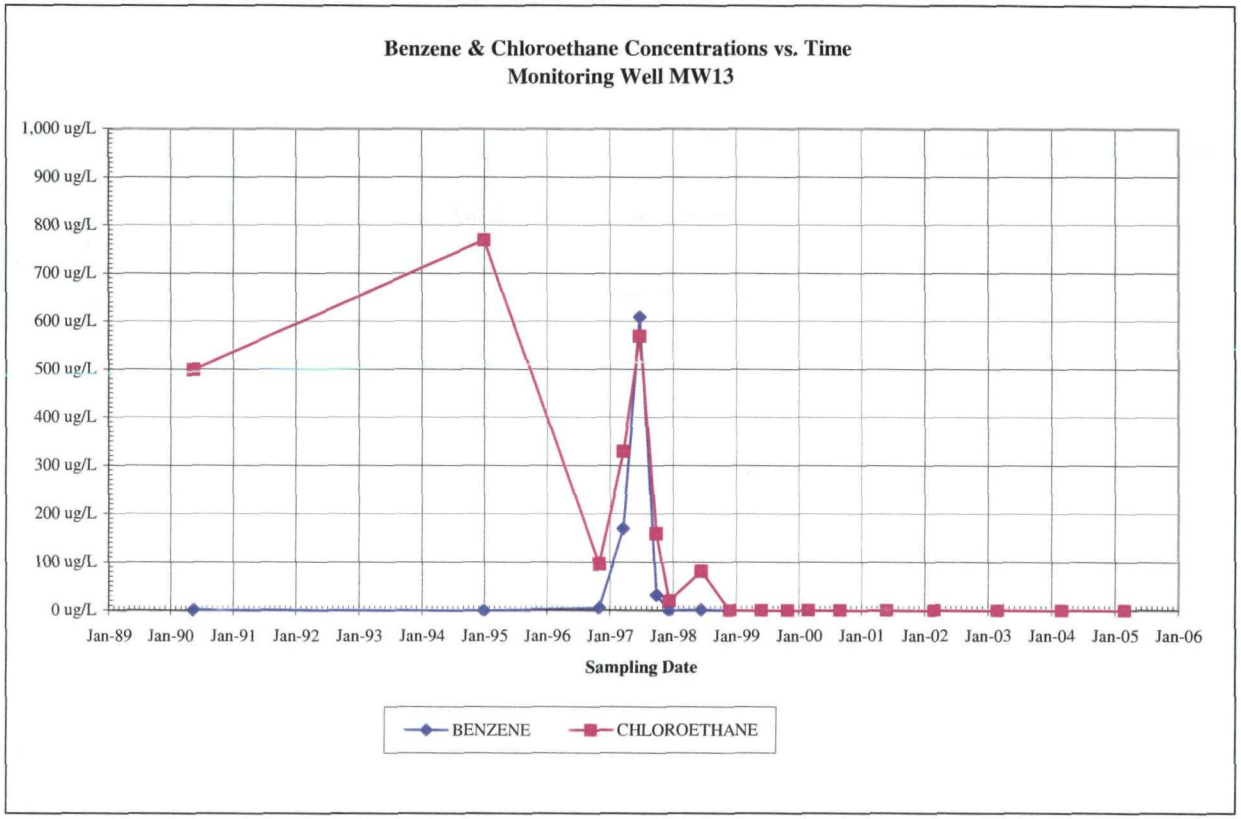
BDL = Below the Detection Limit



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

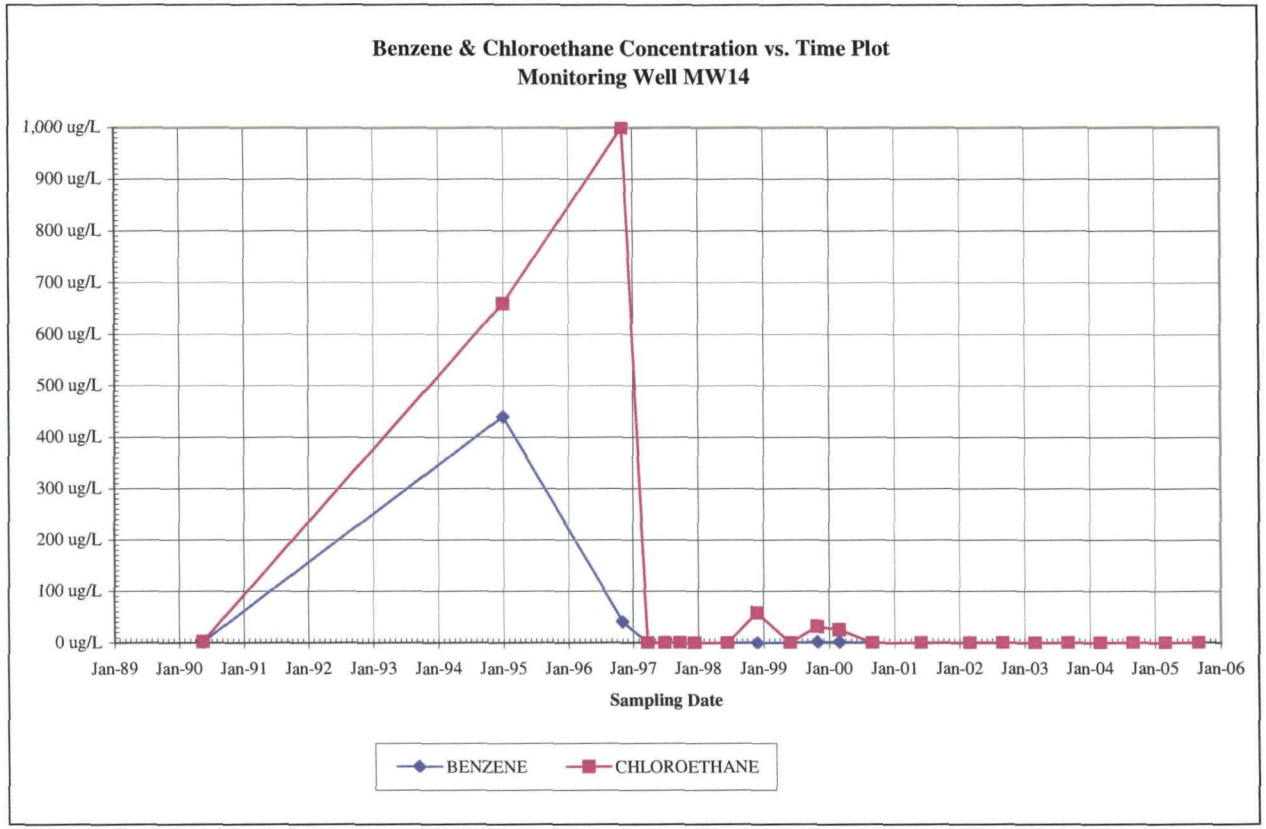
BDL = Below the Detection Limit



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

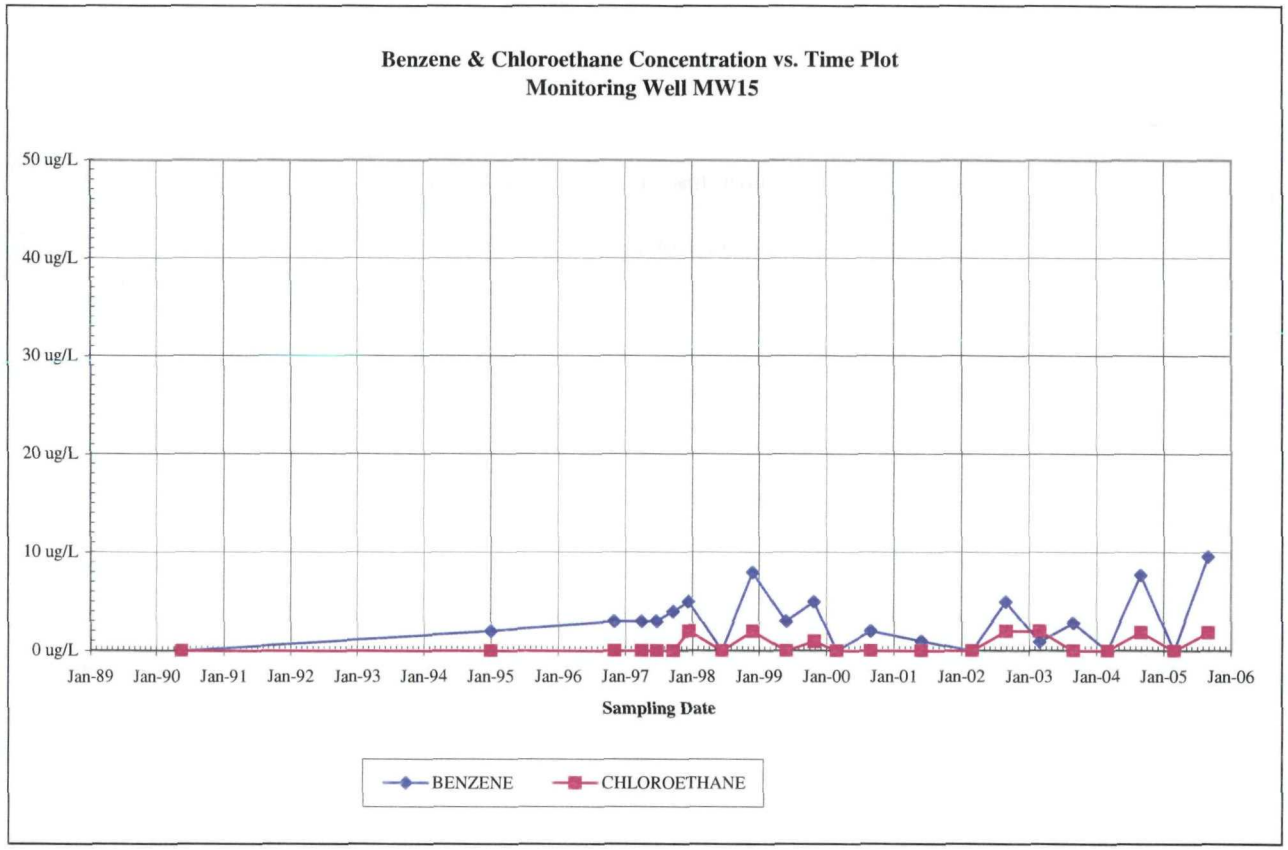
BDL = Below the Detection Limit



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

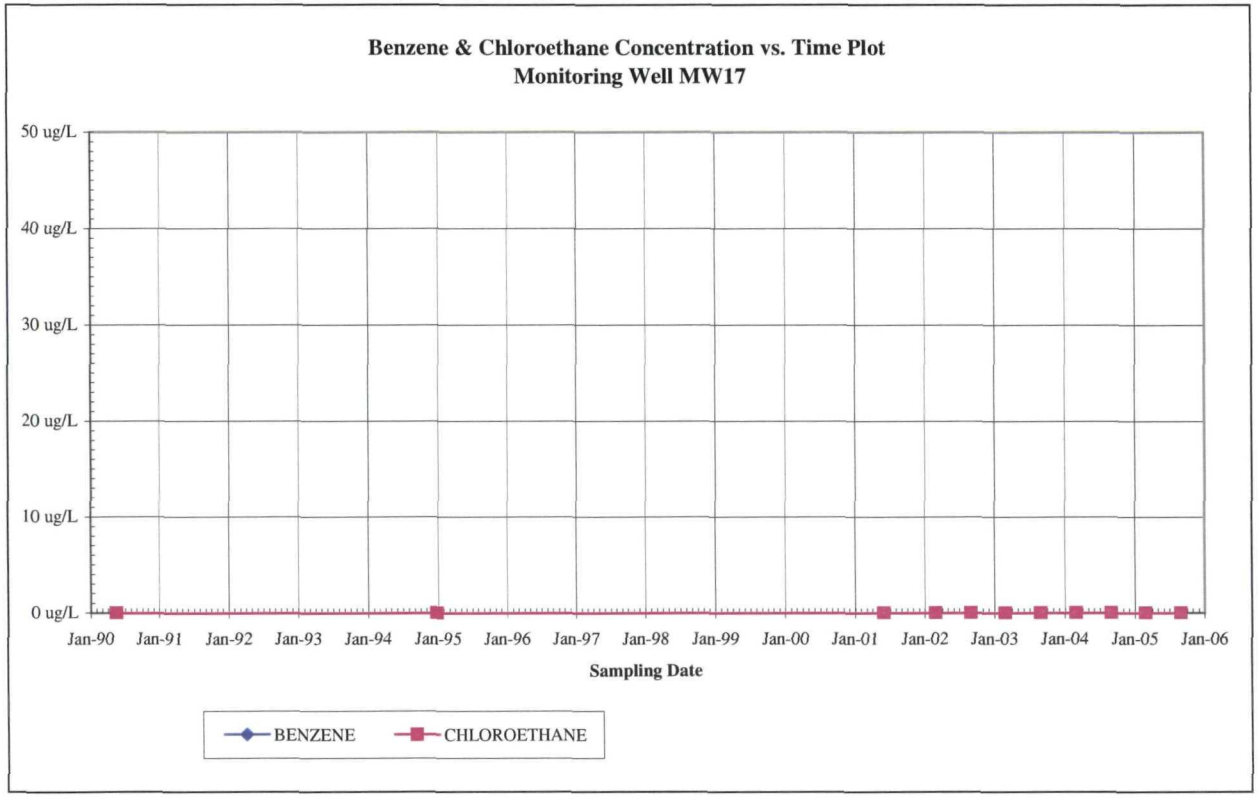
BDL = Below the Detection Limit



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

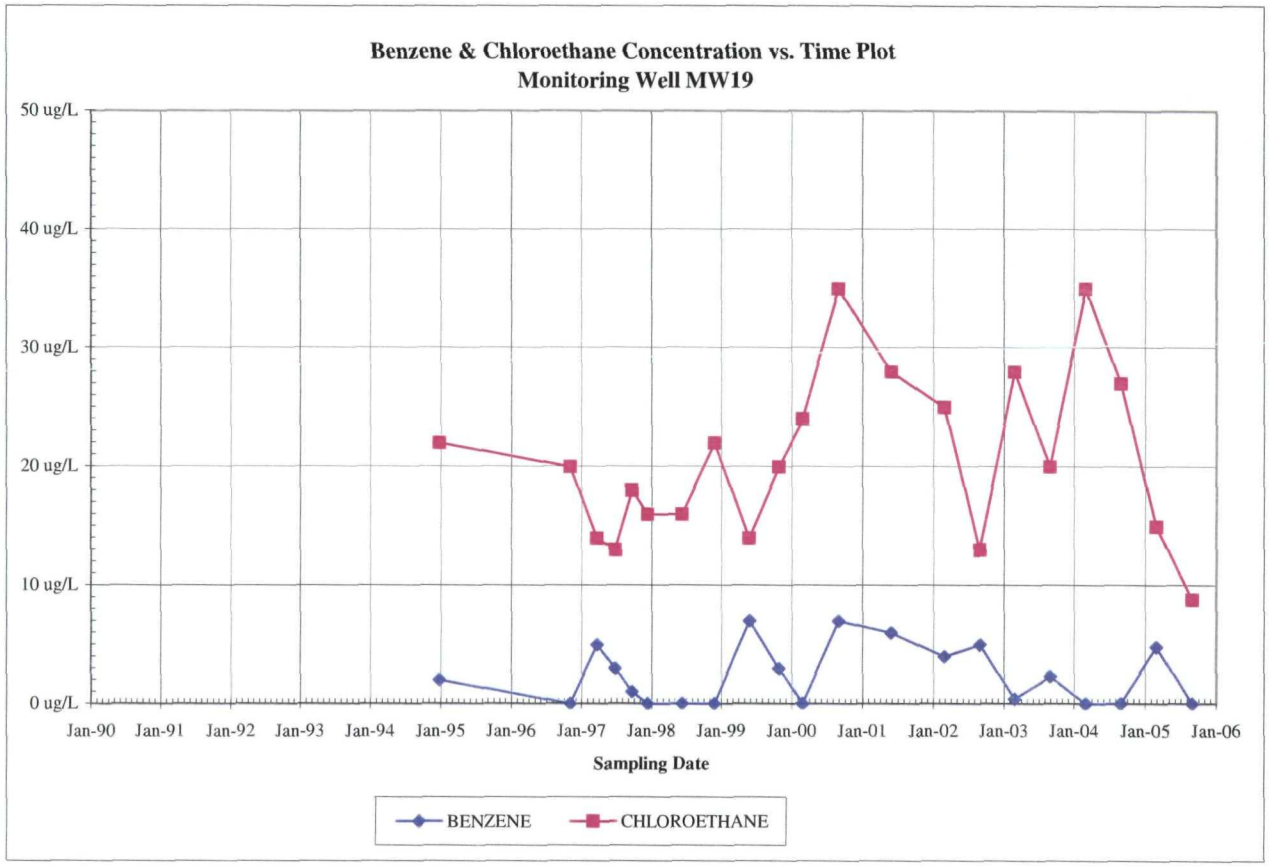
BDL = Below the Detection Limit
Baseline values adopted from nearby abandoned well MW18



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

BDL = Below the Detection Limit



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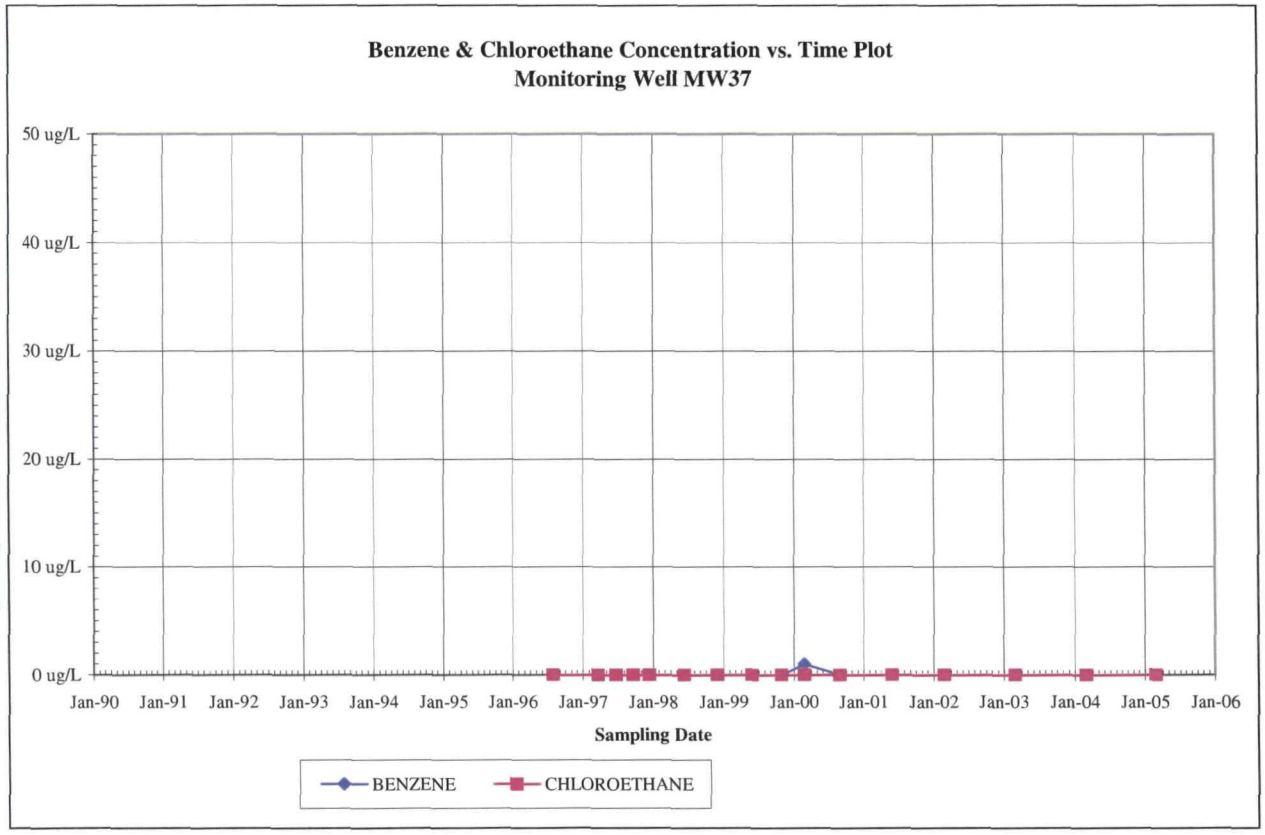
1/3/2006

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



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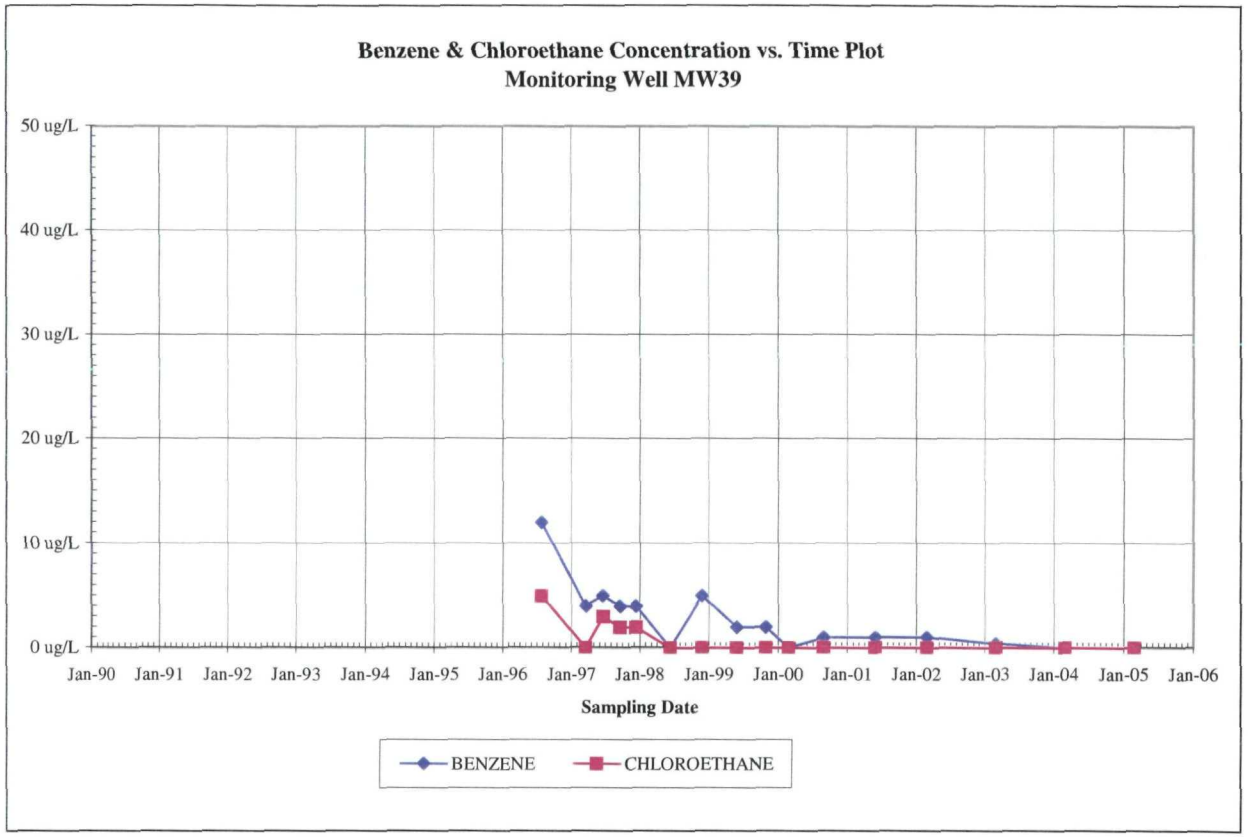
1/3/2006

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



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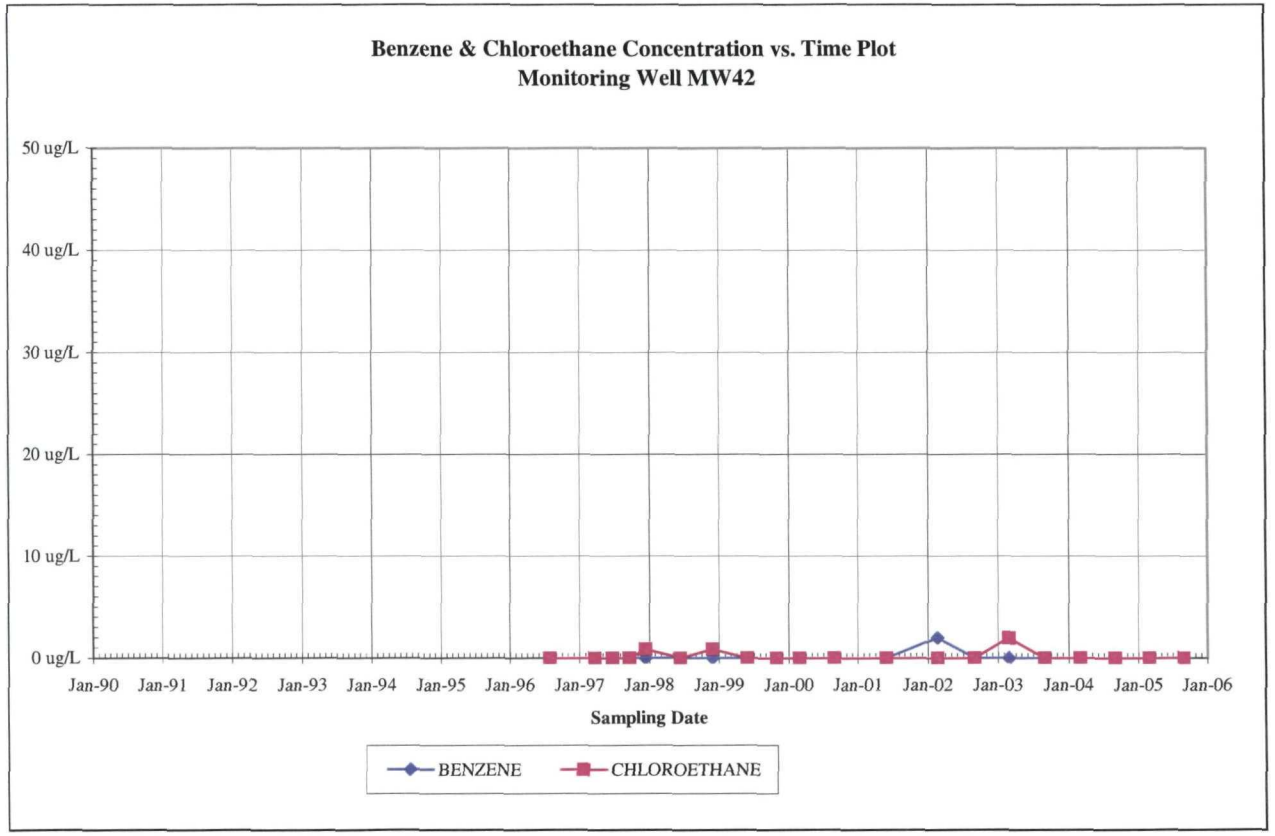
1/3/2006

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

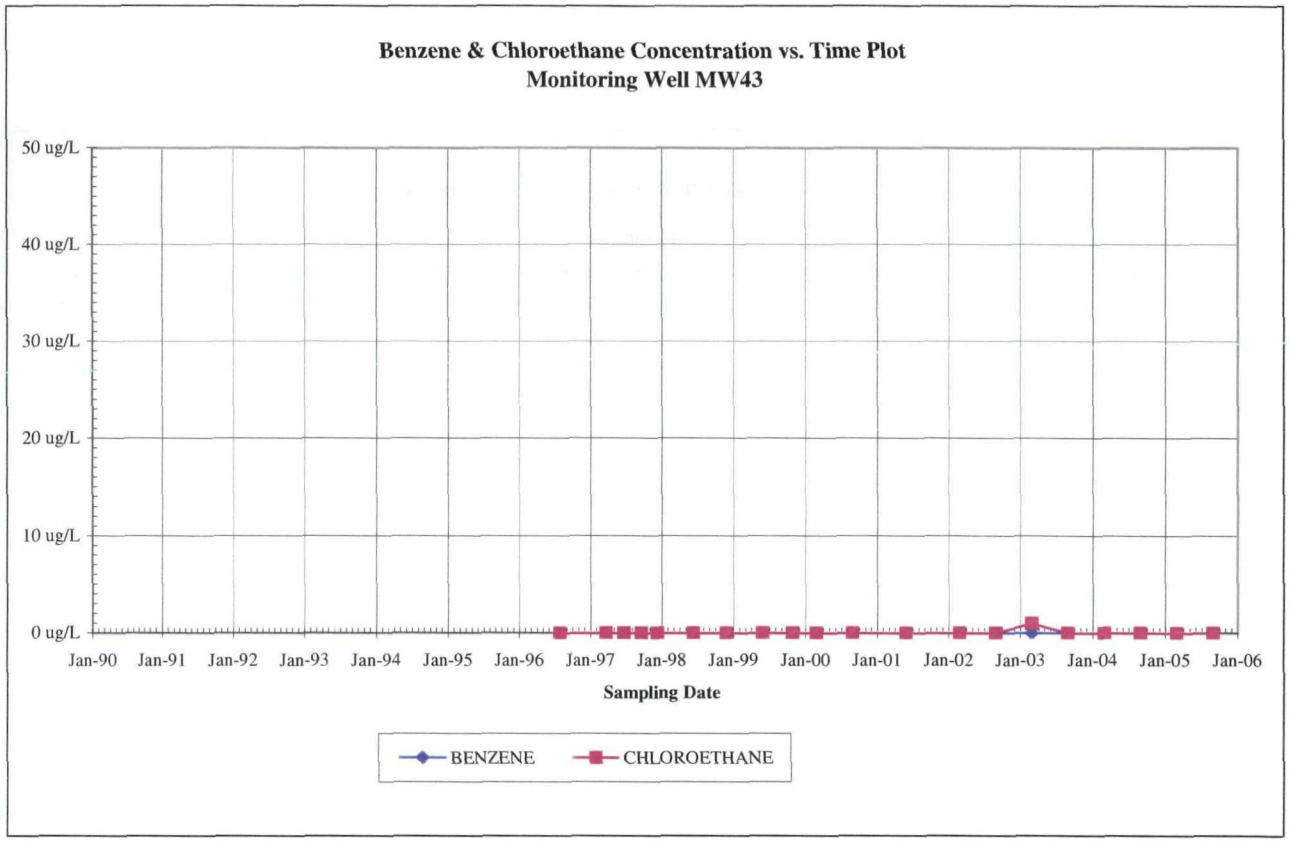
BDL = Below the Detection Limit



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

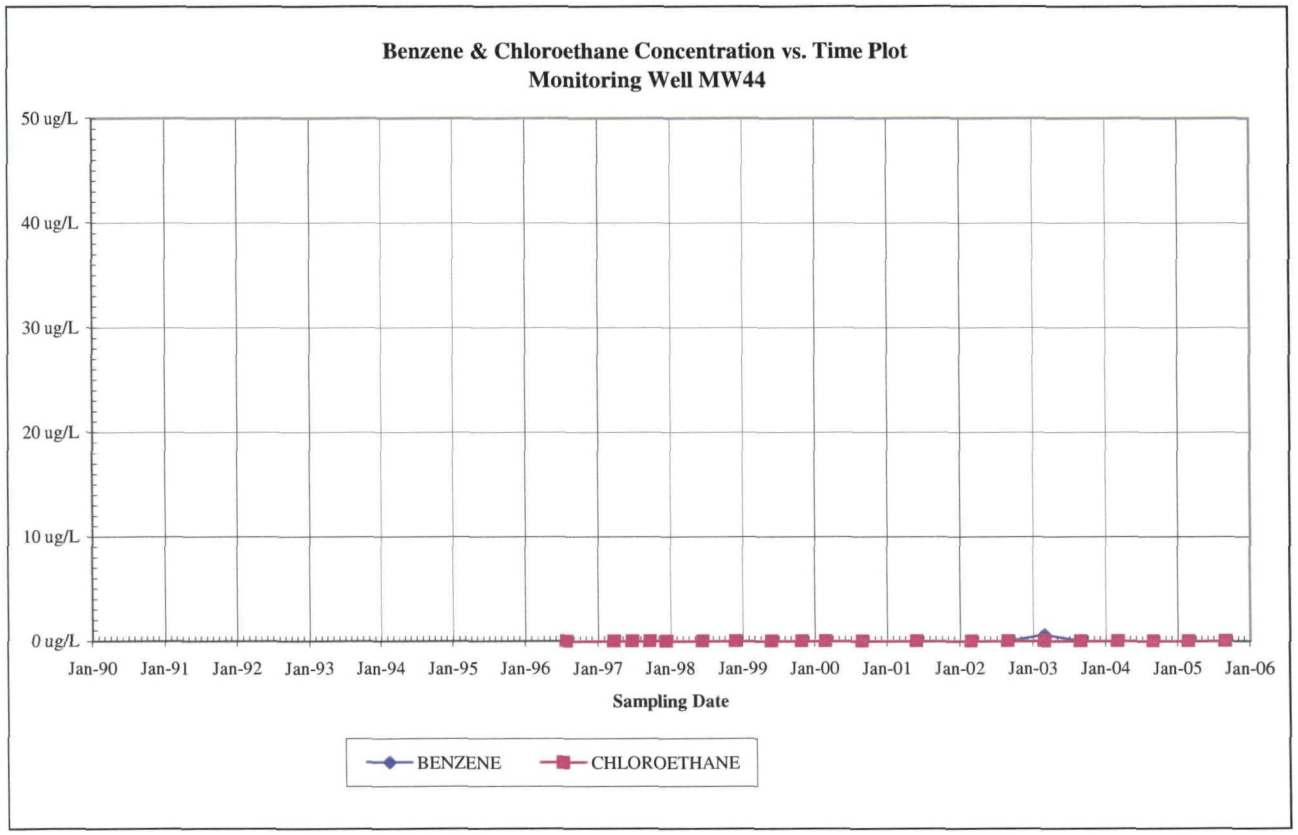
BDL = Below the Detection Limit



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

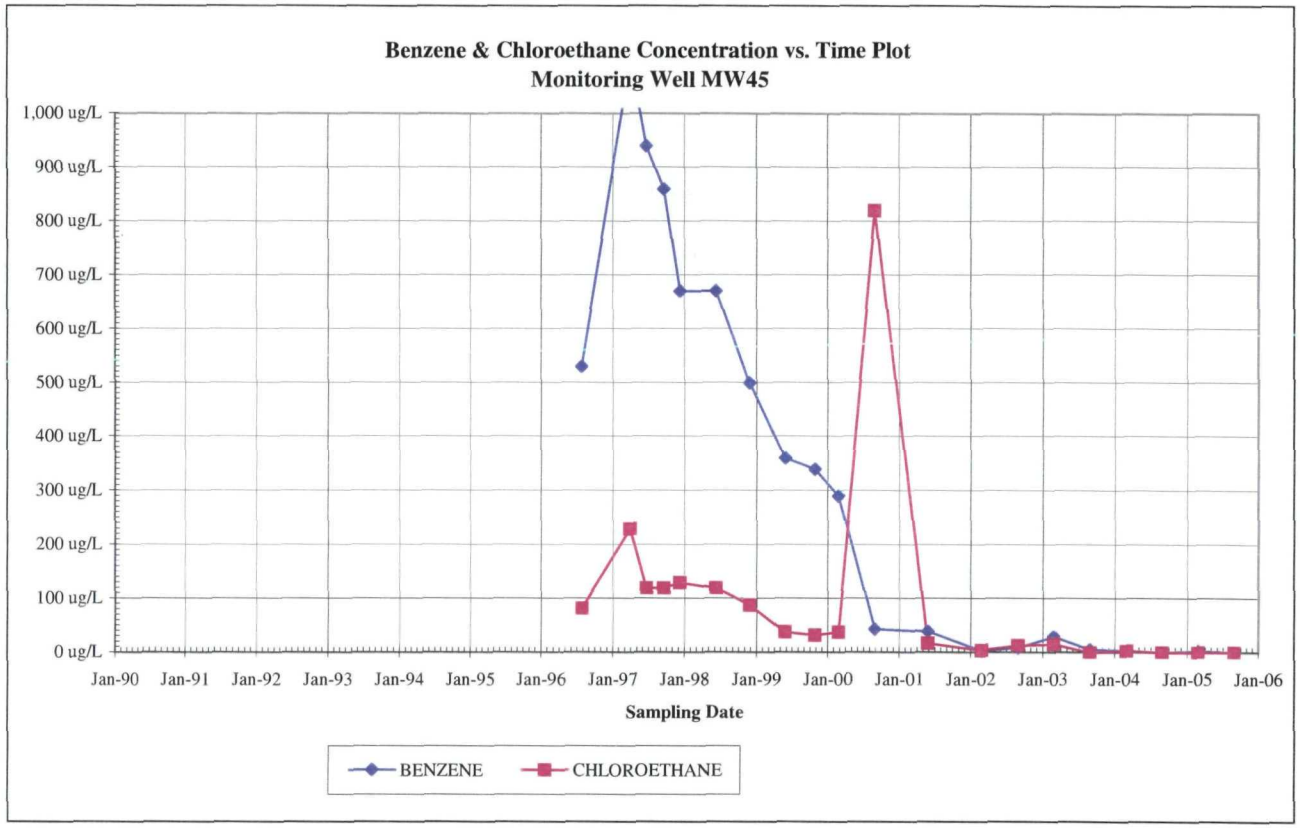
BDL = Below the Detection Limit



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

BDL = Below the Detection Limit



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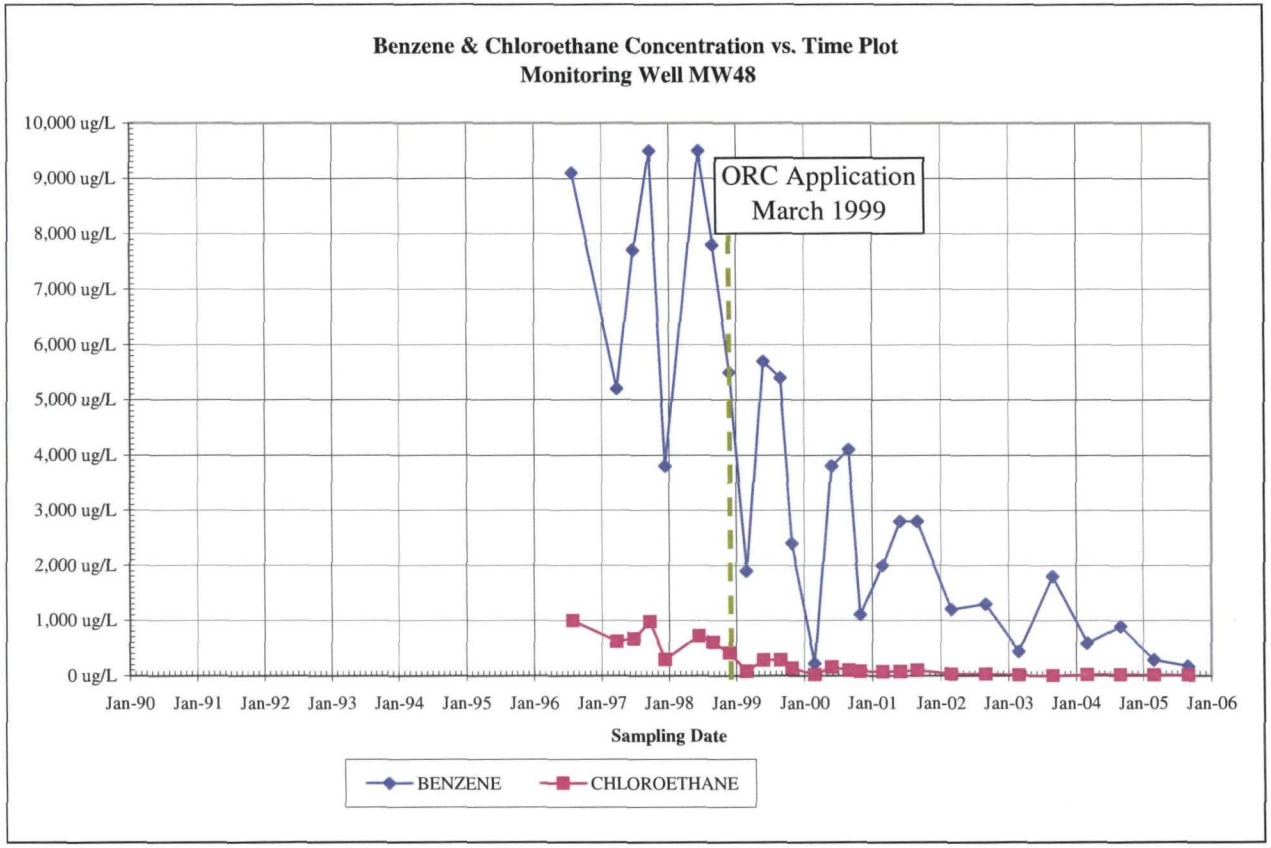
Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW48

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



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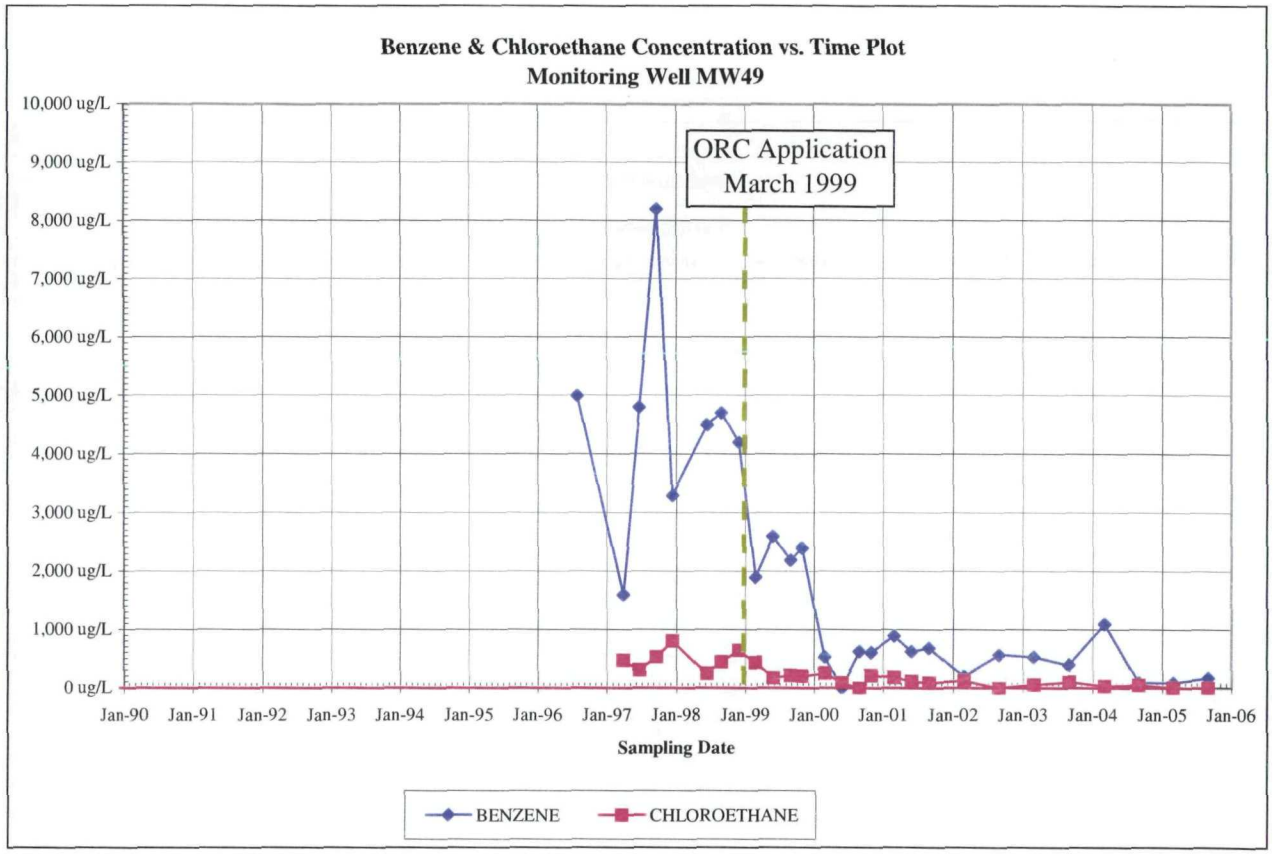
1/3/2006

Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW49

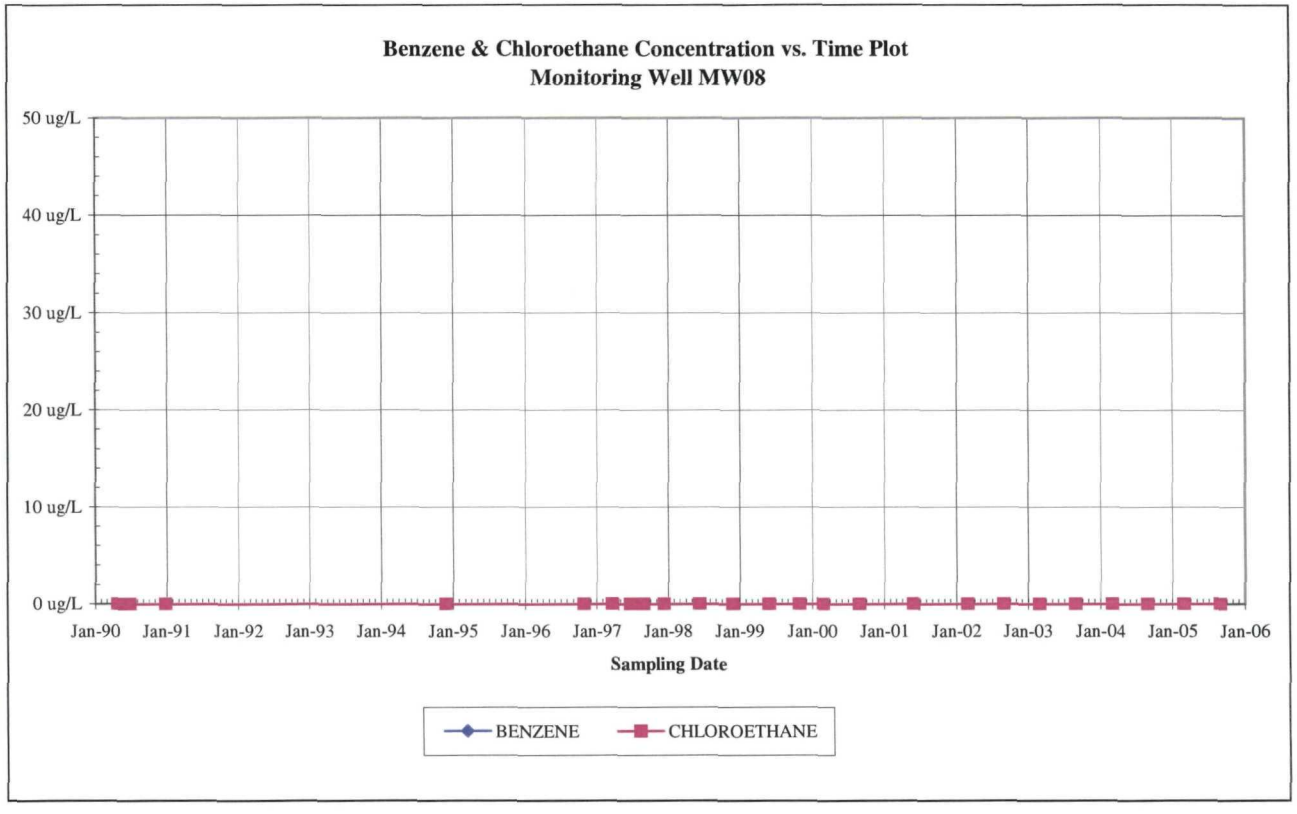
DATE	BENZENE	CHLOROETHANE
BASELINE	**6750**	**715**
August-89		
May-90		
December-94		
August-96	5,000 ug/L	480 ug/L
April-97	1,600 ug/L	310 ug/L
June-97	4,800 ug/L	540 ug/L
September-97	8,200 ug/L	810 ug/L
December-97	3,300 ug/L	250 ug/L
June-98	4,500 ug/L	450 ug/L
September-98	4,700 ug/L	650 ug/L
December-98	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



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

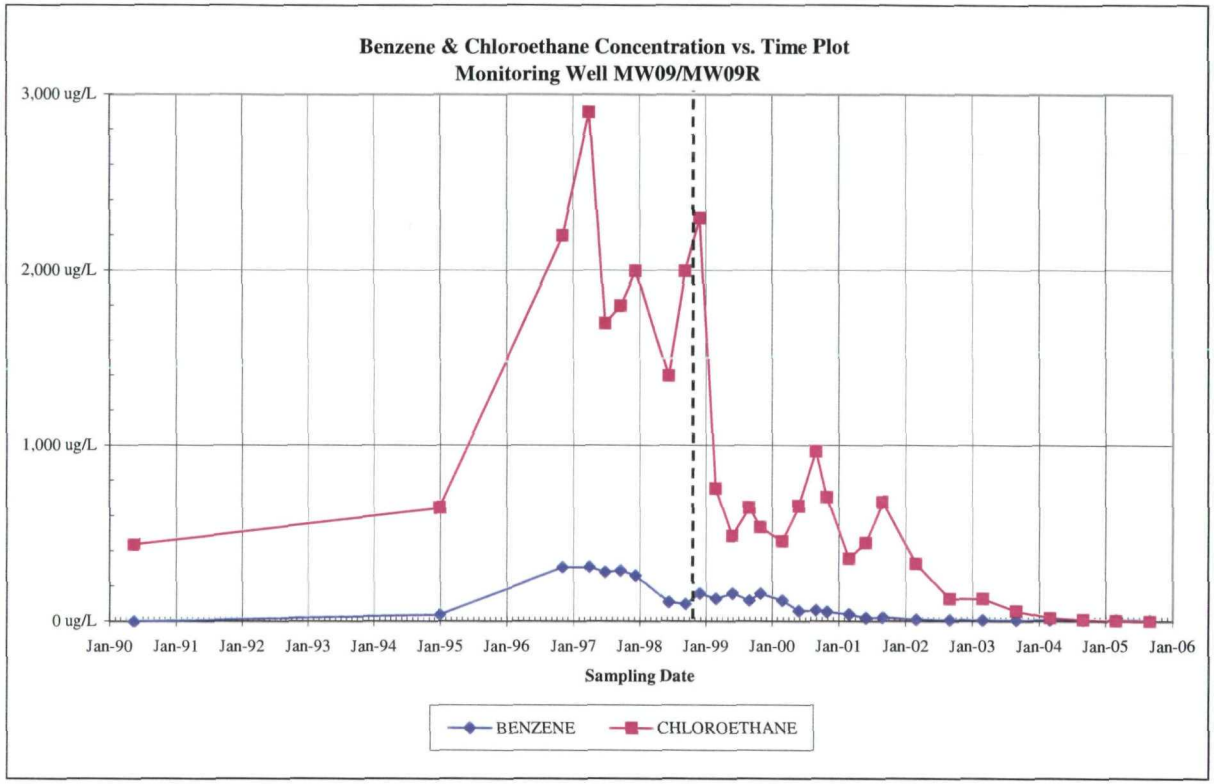
BDL = Below the Detection Limit



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	

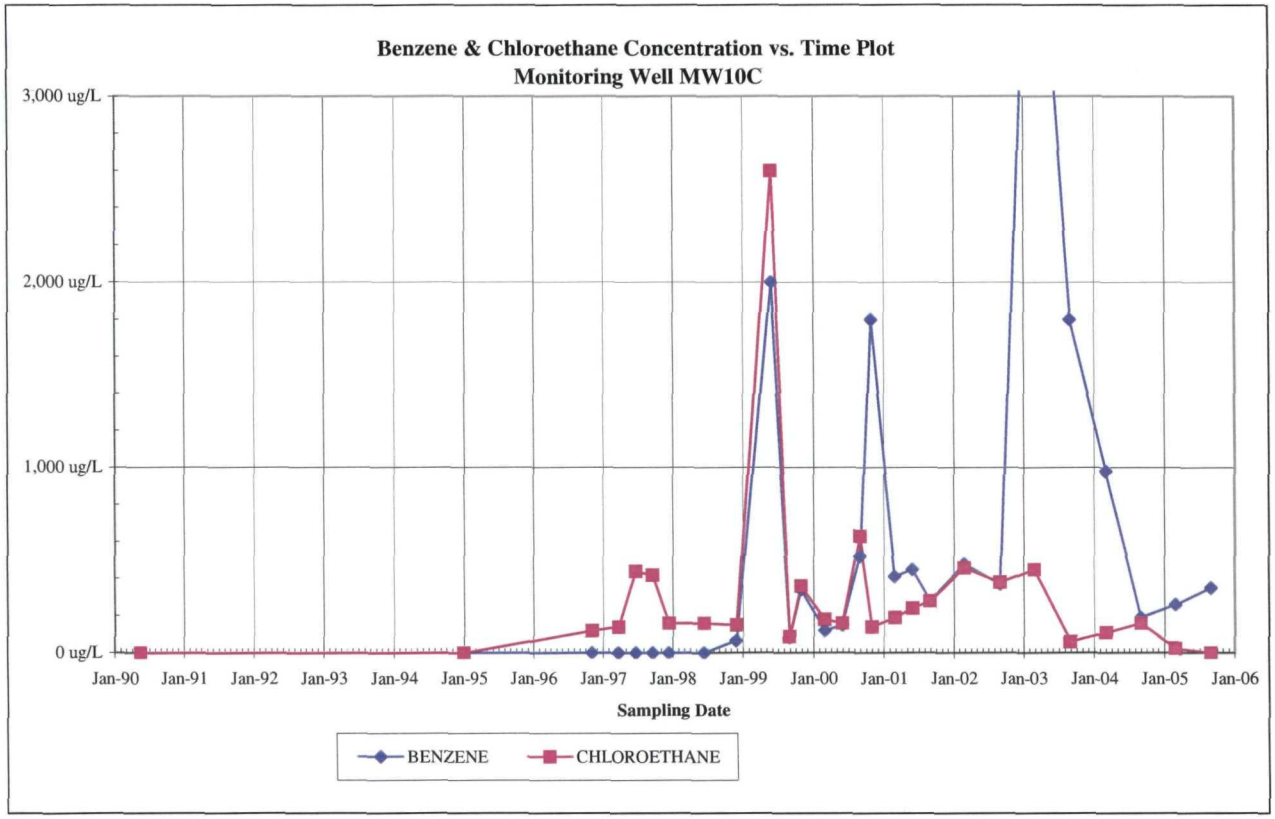
BDL = Below the Detection Limit



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

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW10C

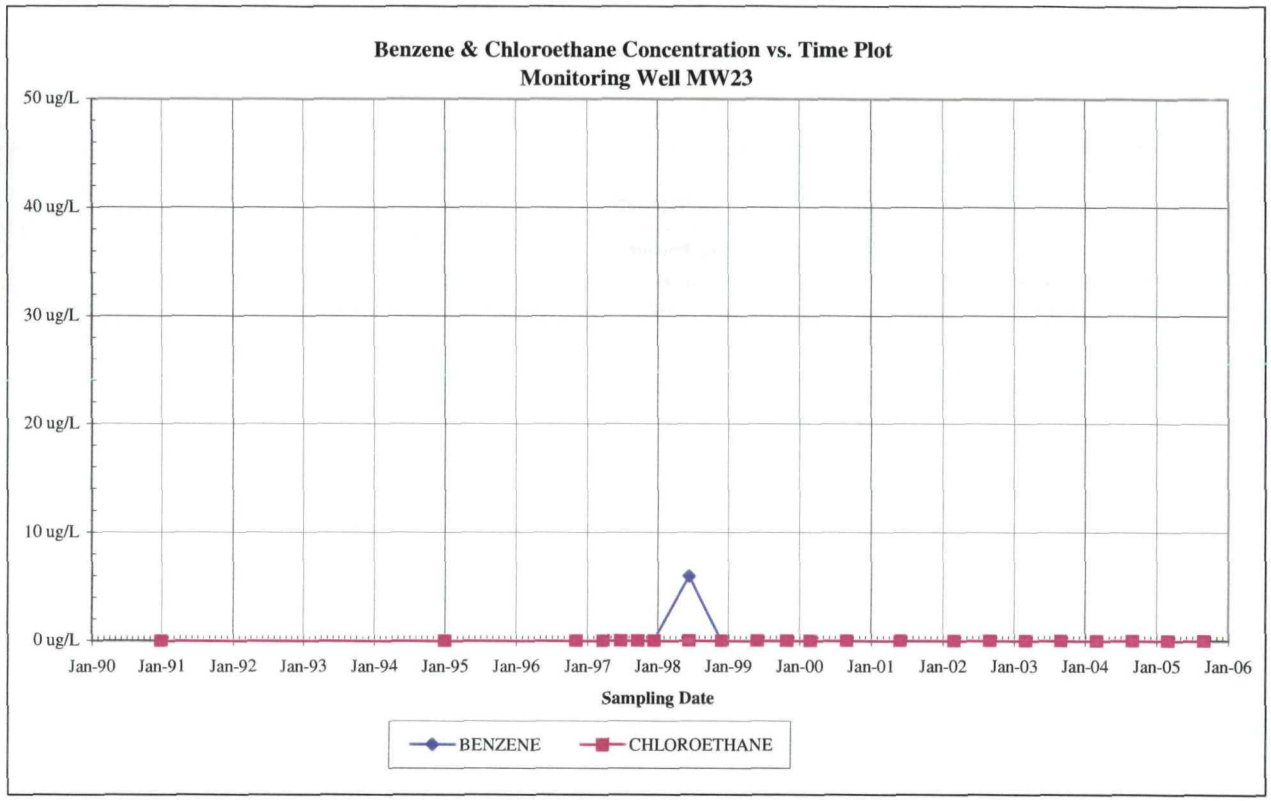
DATE	BENZENE	CHLOROETHANE
BASELINE	**150**	**420**
August-89		
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	120 ug/L
March-97	BDL	140 ug/L
June-97	BDL	440 ug/L
September-97	BDL	420 ug/L
December-97	BDL	160 ug/L
June-98	BDL	160 ug/L
December-98	66 ug/L	150 ug/L
June-99	2,000 ug/L	2,600 ug/L
September-99	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



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

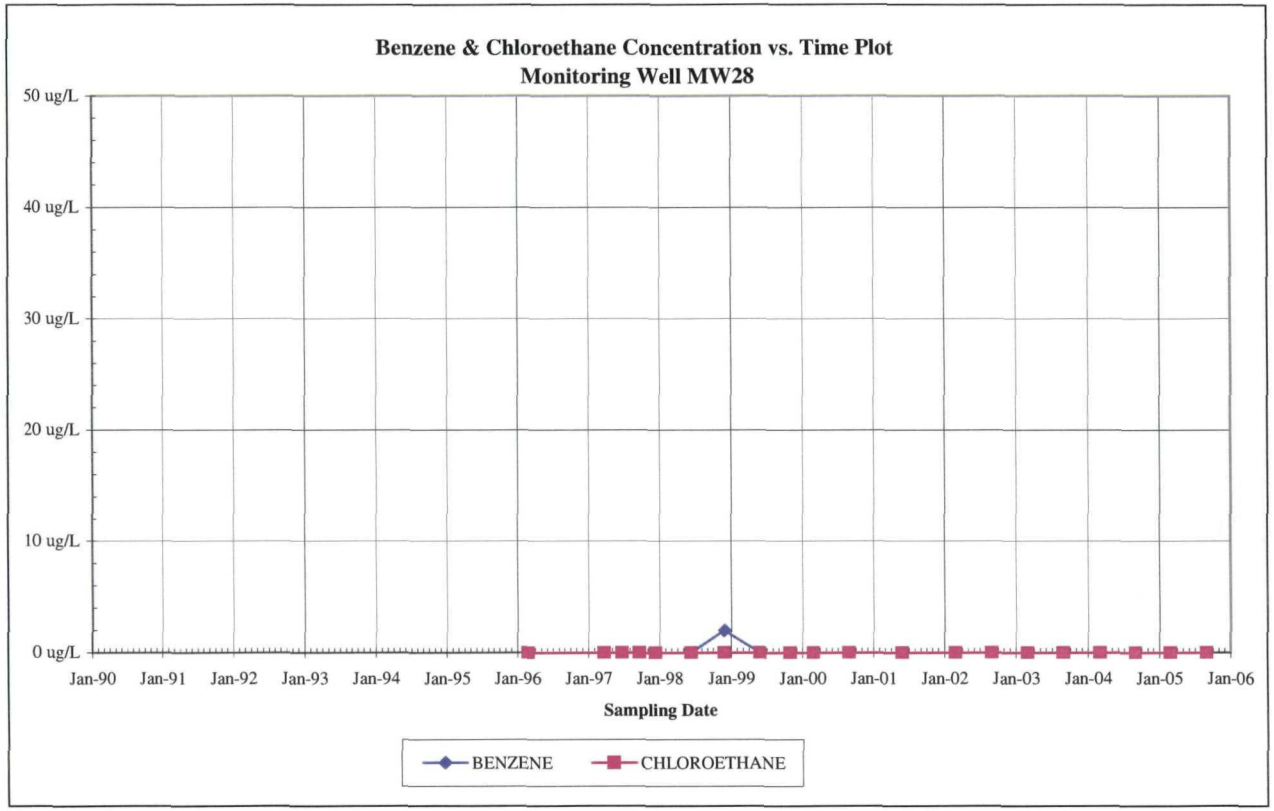
BDL = Below the Detection Limit



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

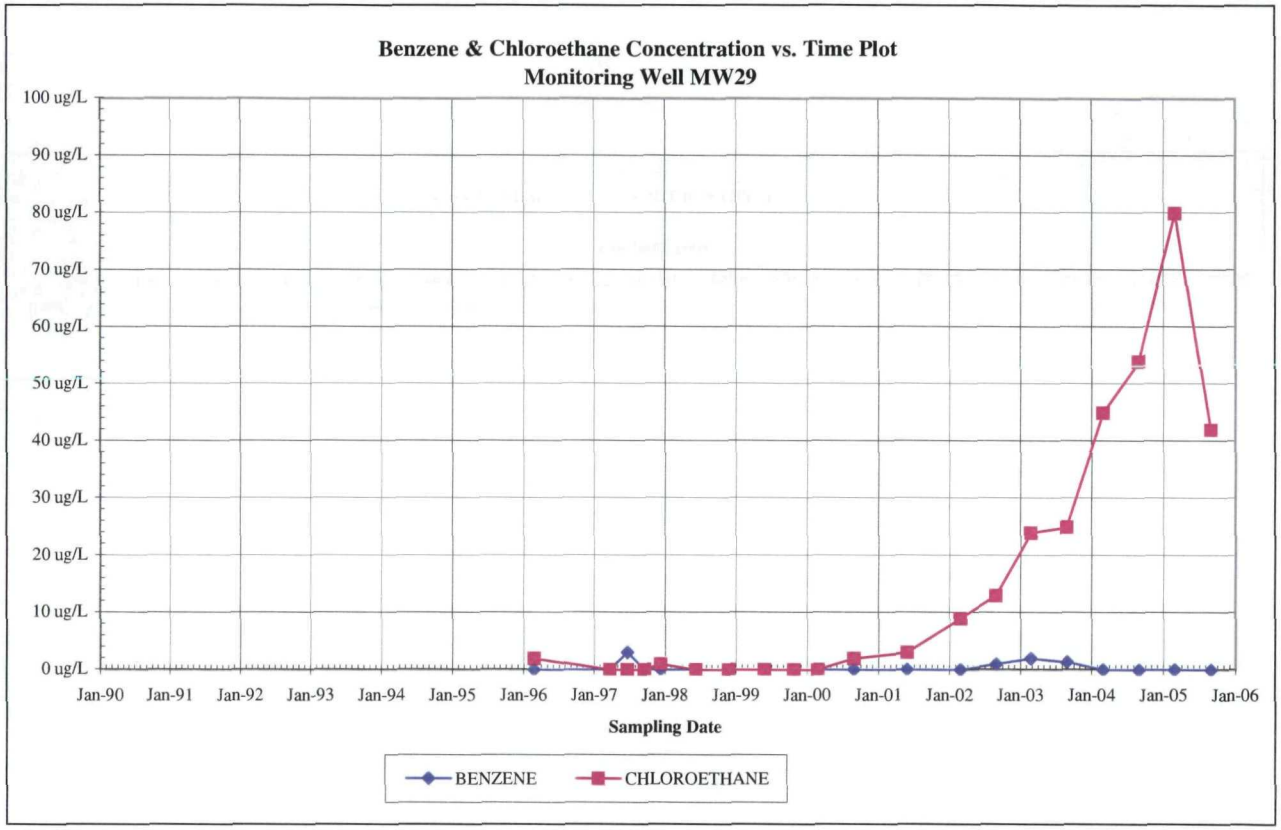
BDL = Below the Detection Limit



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

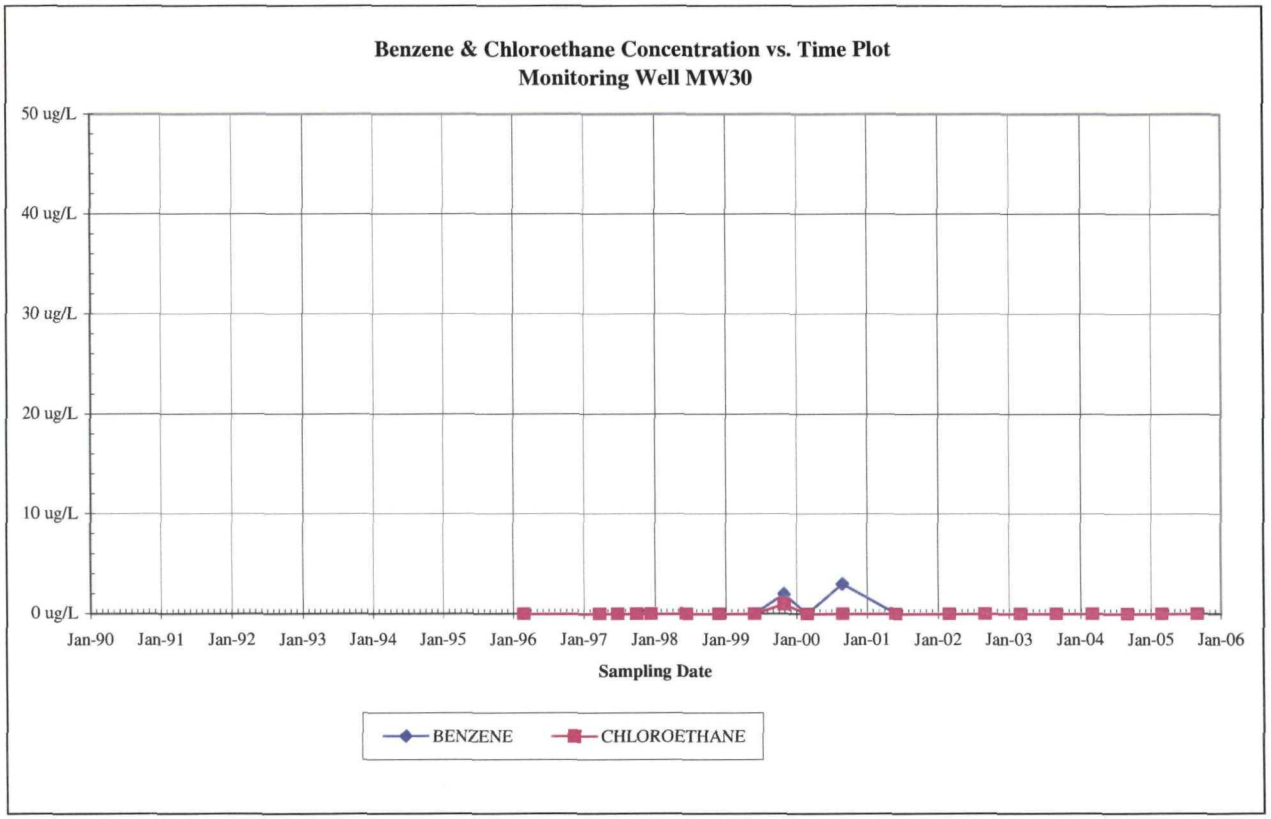
BDL = Below the Detection Limit



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

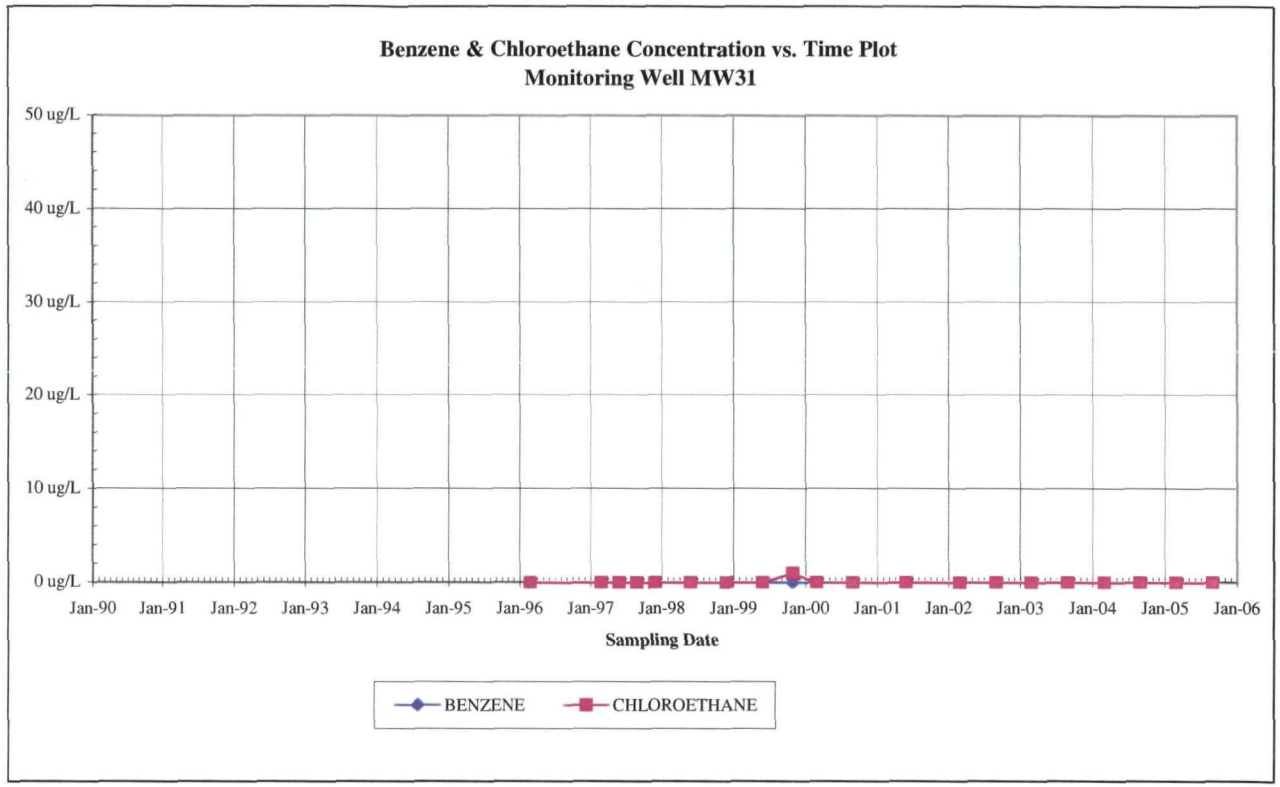
BDL = Below the Detection Limit



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

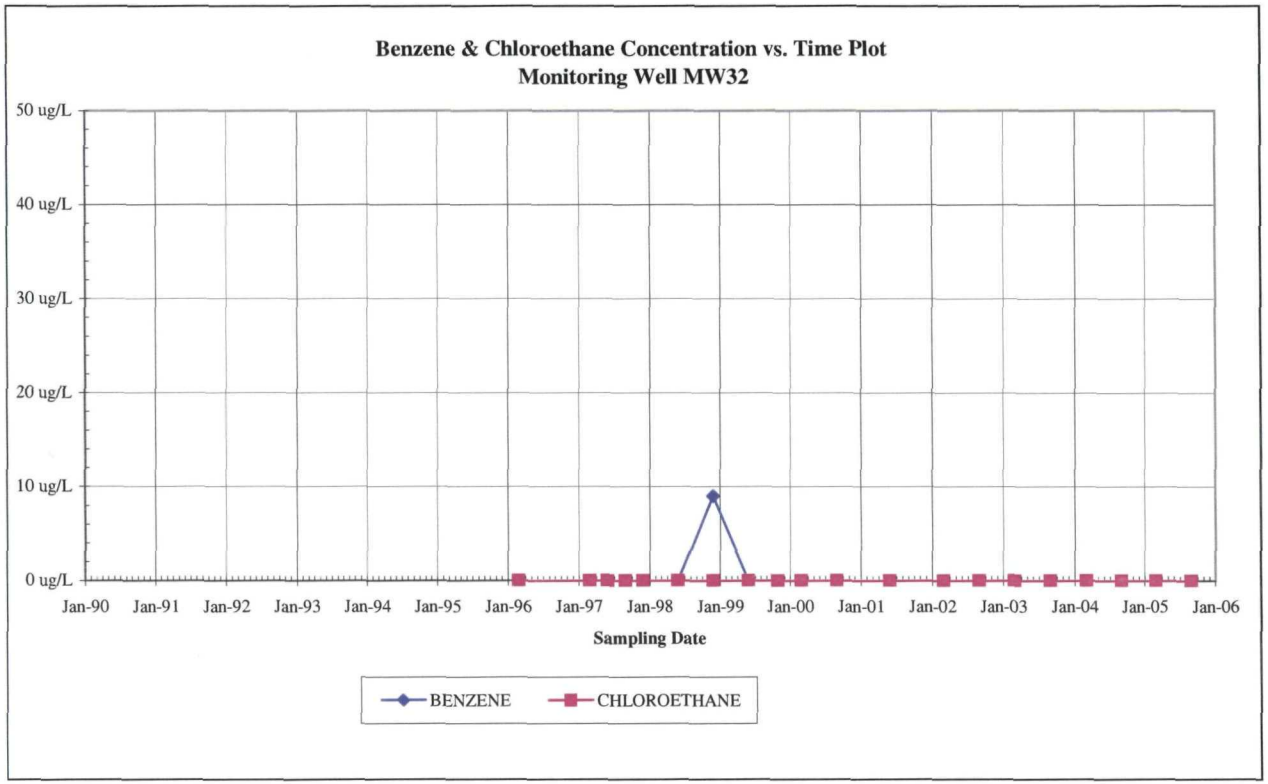
BDL = Below the Detection Limit



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

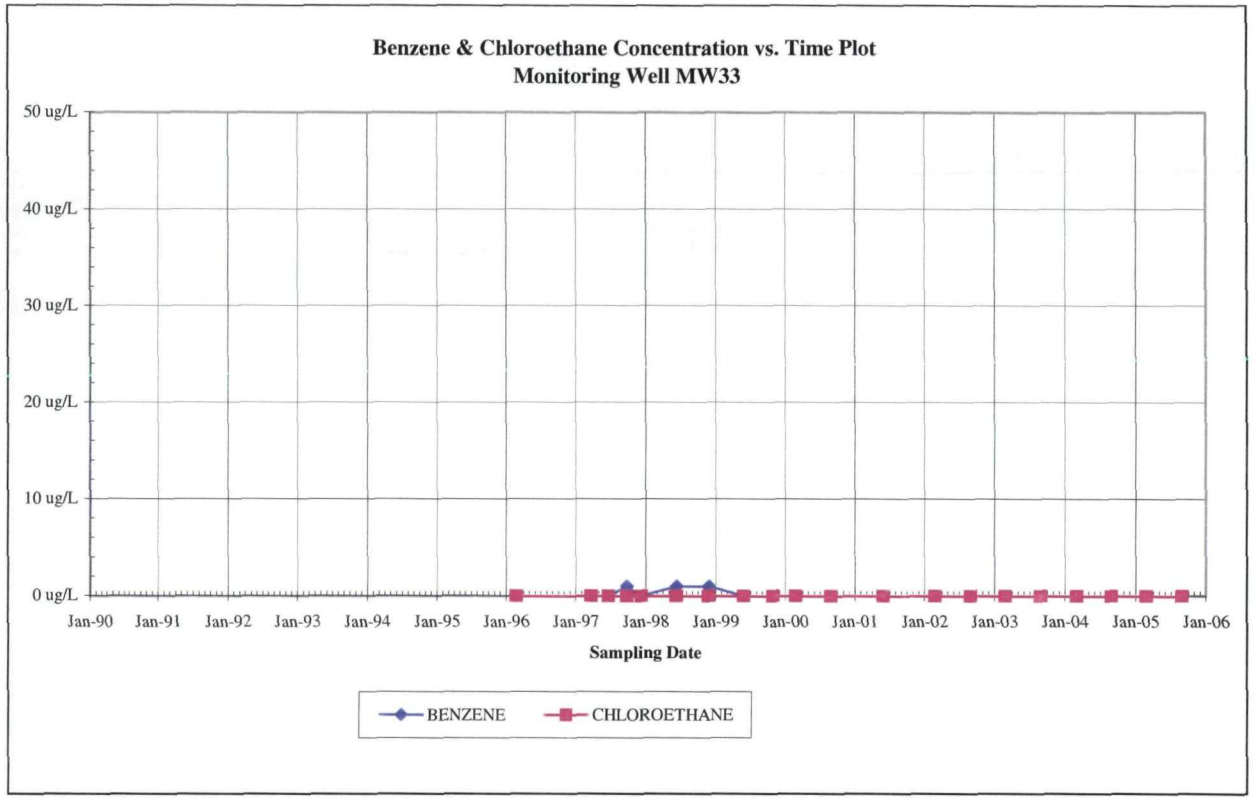
BDL = Below the Detection Limit



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

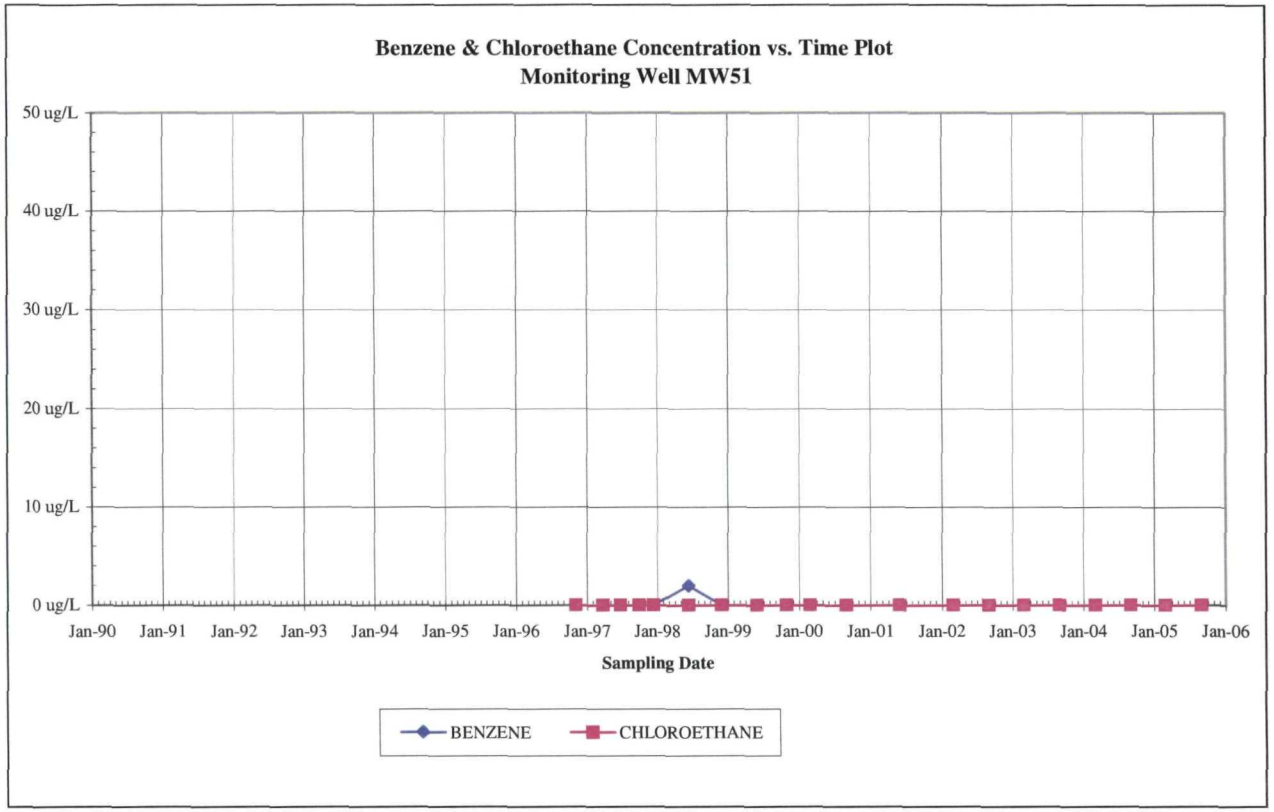
BDL = Below the Detection Limit



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

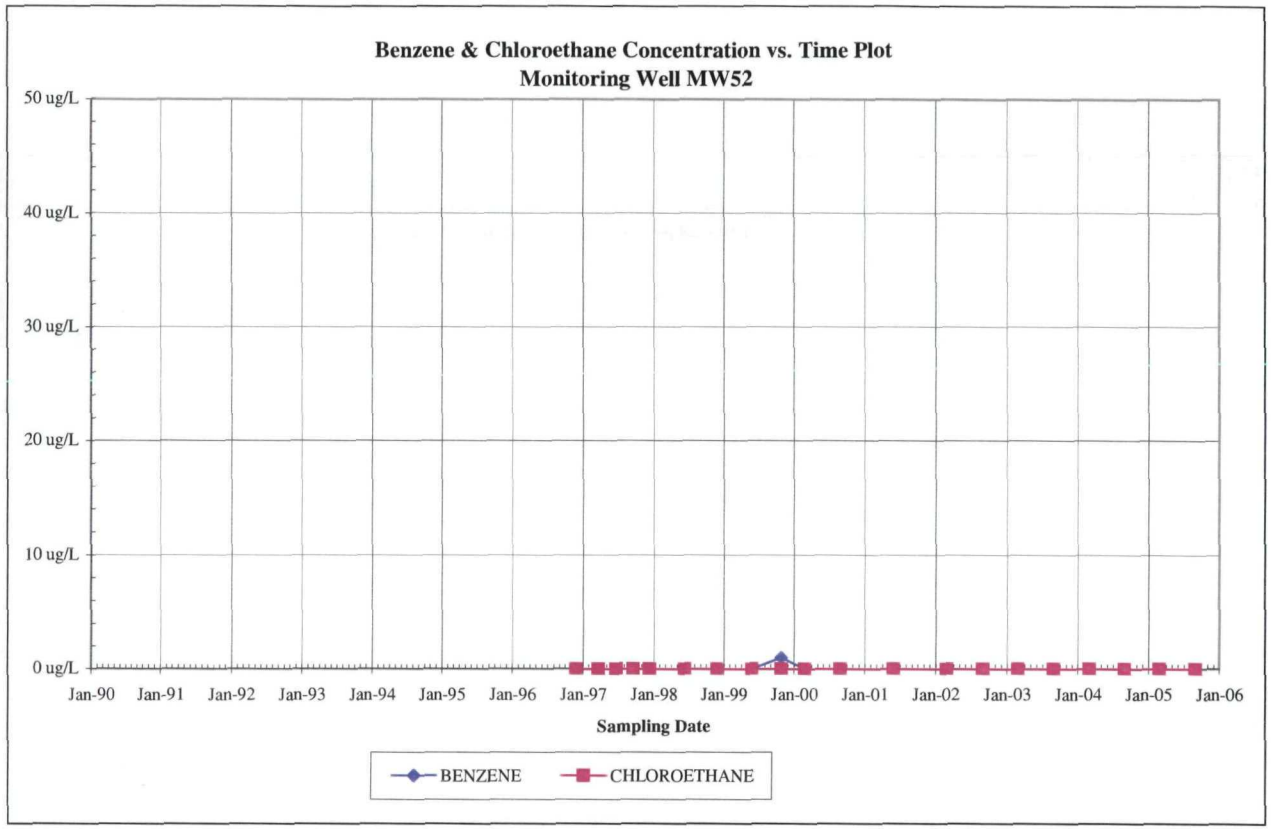
BDL = Below the Detection Limit



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

BDL = Below the Detection Limit



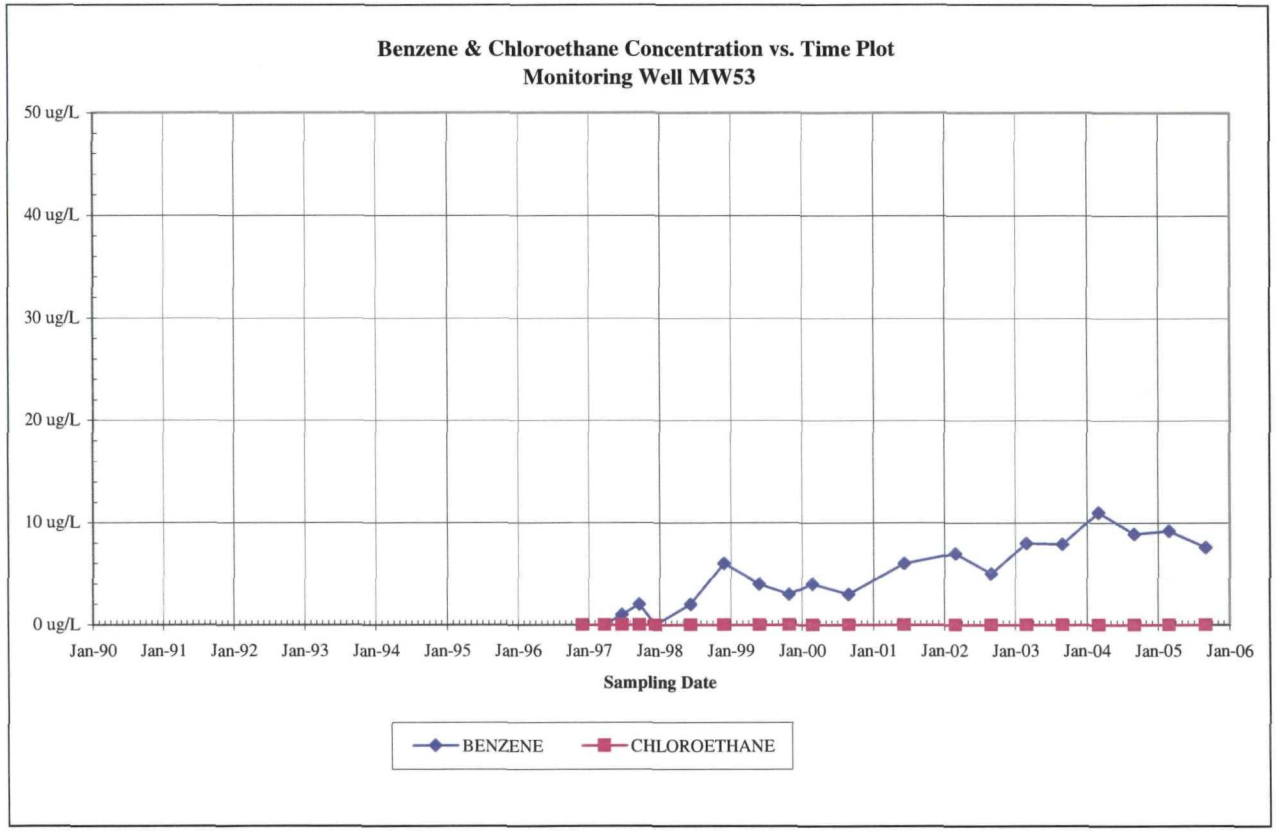
DPP/jef
J:209\0603 ACS\Database\Timetrnd_GWMP_LA_Electronic.xls[MW52]

1/3/2006

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

BDL = Below the Detection Limit

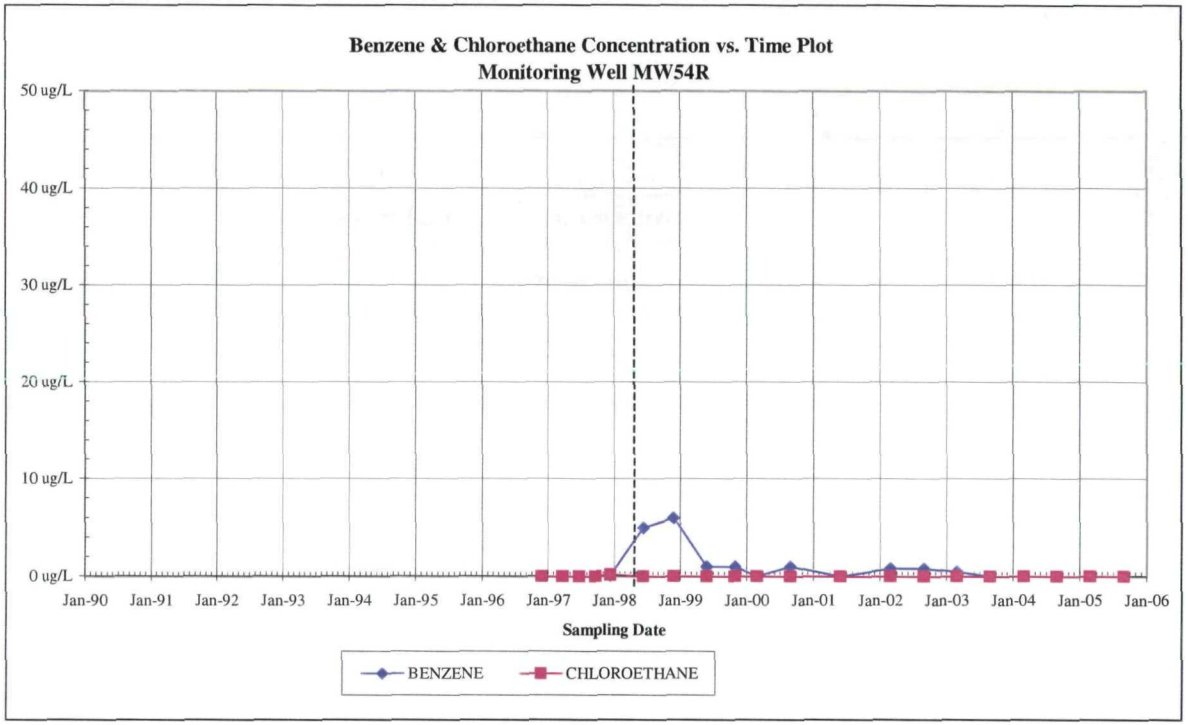


Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW54R

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	

BDL = Below the Detection Limit

MW54 was damaged by a vehicle and was replaced with MW54R



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

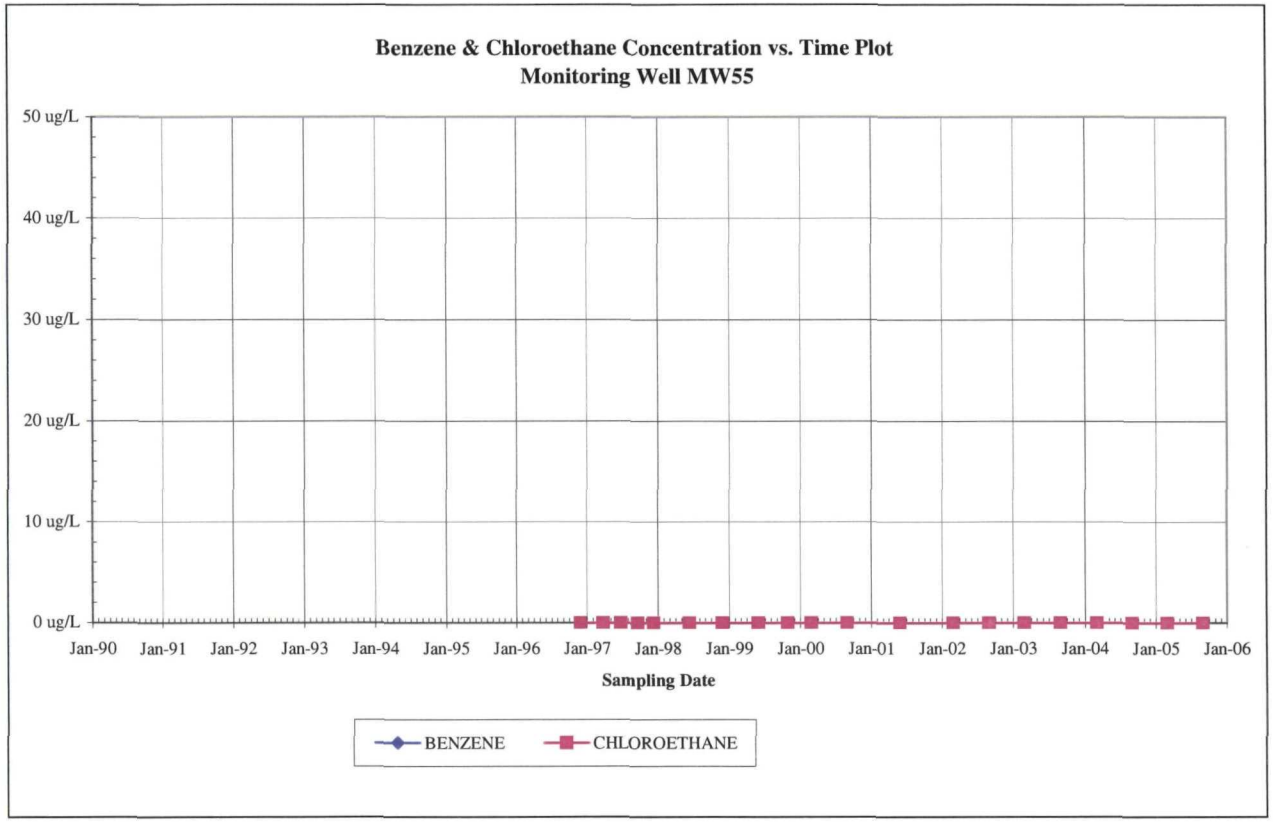
DPP/jef
J:209\0603 ACS\Database\Timetrnd_GWMP_LA_Electronic.xls[MW54R]

1/3/2006

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW55

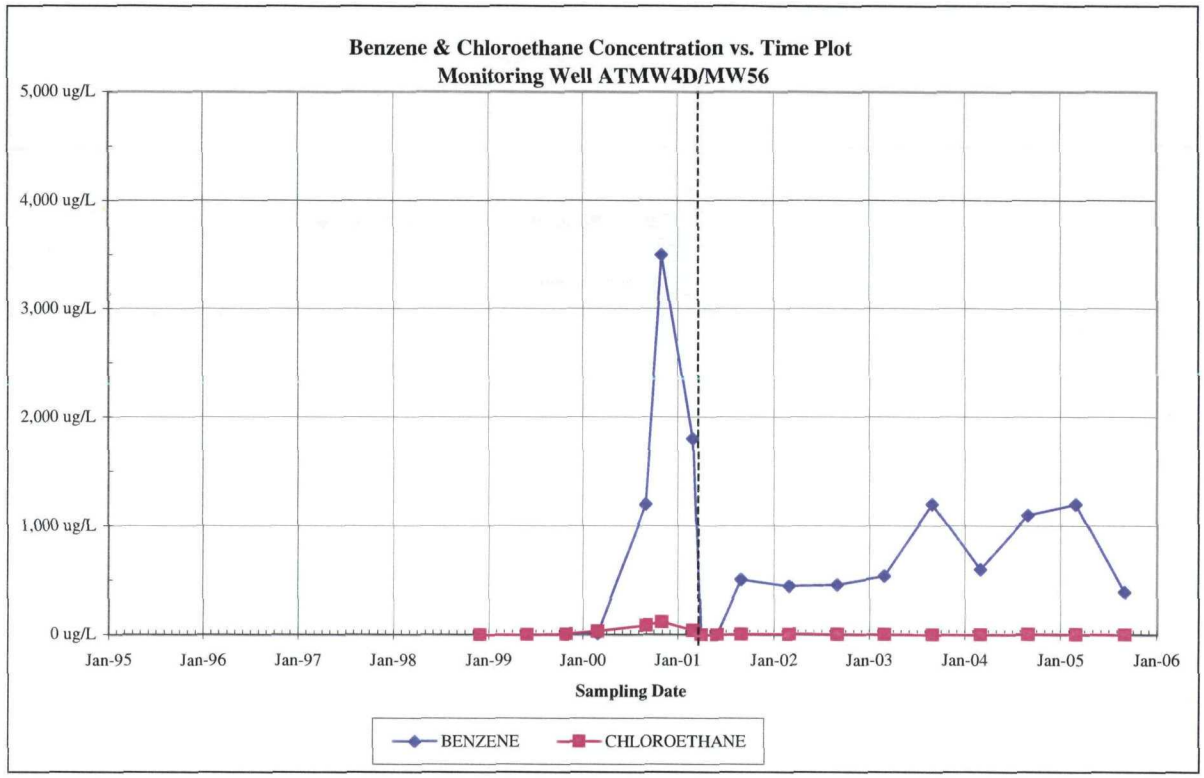
DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL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

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	



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

Appendix C

MWH

Appendix C
Laboratory Analytical Reports and Data Validation Narratives

Monitoring Well Results
Sample Delivery Group (SDG) 7771
Data Validation Narrative - SDG 7771

SDG 7788
Data Validation Narrative – SDG 7788

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

Residential Well Results
SDG 7829 – VOCs
Data Validation Narrative – VOCs

SDG 7829 – SVOCs
Data Validation Narrative – SVOCs

SDG 7829 – PCB/Pesticides
Data Validation Narrative – PCB/Pesticides

SDG 7829 – Inorganics
Data Validation Narrative - Metals
Data Validation Narrative – Cyanide

PARCC Review

CompuChem

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14145A

26-Sep-05

CHAD SMITH
MONTGOMERY WATSON HARZA
175 WEST JACKSON BOULEVARD
SUITE 1900
Chicago, IL 606042814

Subject:
Report of Data-Project: ACS Workorder: 7771

Attn.: CHAD SMITH

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,

Marlene A. Swift

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 471

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
777101	ACSGWMW1126	7771	W	MWH	ACS	
777102	ACSGWMW2326	7771	W	MWH	ACS	
777103	ACSGWMW0826	7771	W	MWH	ACS	
777104	ACSGWMW3126	7771	W	MWH	ACS	
777105	ACSGWMW3226	7771	W	MWH	ACS	
777106	ACSGWDUP0126	7771	W	MWH	ACS	
777107	ACSGWMW2826	7771	W	MWH	ACS	
777108	ACSGWMW1726	7771	W	MWH	ACS	
777109	ACSGWMW4226	7771	W	MWH	ACS	
777110	ACSGWMW4326	7771	W	MWH	ACS	
777111	ACSGWTB0126	7771	W	MWH	ACS	
777112	ACSGWMW4526	7771	W	MWH	ACS	
777113	ACSGWEB0126	7771	W	MWH	ACS	
777114	ACSGWMW4426	7771	W	MWH	ACS	
777115	ACSGWMW5126	7771	W	MWH	ACS	
777116	ACSGWMW3026	7771	W	MWH	ACS	
777117	ACSGWMW3326	7771	W	MWH	ACS	
777118	ACSGWMW5226	7771	W	MWH	ACS	
777119	ACSGWMW5326	7771	W	MWH	ACS	
777120	ACSGWDUP0226	7771	W	MWH	ACS	

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 # : 7771

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#: 7771
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWMW1126, ACSGWMW2326, ACSGWMW0826, ACSGWMW3126, ACSGWMW3226, ACSGWDUP0126, ACSGWMW2826, ACSGWMW1726, ACSGWMW4226, ACSGWMW4326, ACSGWTB0126, ACSGWMW4526, ACSGWEB0126, ACSGWMW4426, ACSGWMW5126, ACSGWMW3026, ACSGWMW3326, ACSGWMW5226, ACSGWMW5326, and ACSGWDUP0226

The water samples listed above were received intact, properly refrigerated at a temperature of 2.0-2.3°C, with proper documentation, in sealed shipping containers on September 21-22, 2005. The samples were scheduled for the requested analyses of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze the above samples. 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 sections.

Analysis holding time requirements were met for all samples. Multiple target compounds were identified above the Contract Required Quantitation Limit (CRQL) in some of the samples. 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. The system monitoring compounds met all recovery criteria in the analyses of these samples. The internal standards met all response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. The Laboratory Control Samples (LCS) met all QC criteria. ACSGWMW1726 was analyzed as a duplicate Matrix Spike sample (MS/MSD), and met most QC 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. 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.

Ron Fertile
Volatile Lab Supervisor
September 26, 2005

GC and GC/MS Column and Trap Specifications Table

SDG #:	7771

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

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CompuChem's Pagination Convention

As required by the current 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 in an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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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 data packages.

Robert E. Meierer

Robert E. Meierer
Vice President

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.

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.

ACSGWDUP0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWDUP0126

Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0226

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	7.5	
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0226

.b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	5.8	NJ
2.	UNKNOWN	1.07	6.0	J
3. 109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ
4. 123-91-1	1,4-DIOXANE	4.25	18	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWEB0126

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0826

.b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW1126

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW1726

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1726

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80292

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80292B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.4	J
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	44	
75-15-0	Carbon disulfide	37	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	25	
75-09-2	Methylene Chloride	41	
156-60-5	trans-1,2-Dichloroethene	45	
1634-04-4	Methyl-tert-butyl ether	32	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-butanone	13	U
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	49	
56-23-5	Carbon Tetrachloride	50	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	42	
79-01-6	Trichloroethene	45	
78-87-5	1,2-Dichloropropane	44	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	37	
79-00-5	1,1,2-Trichloroethane	44	
127-18-4	Tetrachloroethene	56	
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	45	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80292

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80292B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	50	
100-41-4	Ethylbenzene	53	
100-42-5	Styrene	50	
75-25-2	Bromoform	42	
98-82-8	Isopropyl Benzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	47	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
120-82-1	1,2,4-Trichlorobenzene	50	B
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	25	
110-82-7	Cyclohexane	50	
108-87-2	Methylcyclohexane	51	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80293

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80293B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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	60	
75-15-0	Carbon disulfide	49	
76-13-1	1,1,2-trichloro-1,2,2-triflu	76	
67-64-1	Acetone	37	
75-09-2	Methylene Chloride	56	
156-60-5	trans-1,2-Dichloroethene	60	
1634-04-4	Methyl-tert-butyl ether	41	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	62	
78-93-3	2-butanone	13	U
67-66-3	Chloroform	62	
71-55-6	1,1,1-Trichloroethane	65	
56-23-5	Carbon Tetrachloride	67	
71-43-2	Benzene	61	
107-06-2	1,2-Dichloroethane	60	
79-01-6	Trichloroethene	61	
78-87-5	1,2-Dichloropropane	61	
75-27-4	Bromodichloromethane	62	
10061-01-5	cis-1,3-Dichloropropene	60	
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	70	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	63	
127-18-4	Tetrachloroethene	76	
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	67	
106-93-4	1,2-Dibromoethane	66	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MSD

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80293

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80293B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	68	
100-41-4	Ethylbenzene	71	
100-42-5	Styrene	69	
75-25-2	Bromoform	64	
98-82-8	Isopropyl Benzene	73	
79-34-5	1,1,2,2-Tetrachloroethane	72	
541-73-1	1,3-Dichlorobenzene	70	
106-46-7	1,4-Dichlorobenzene	70	
95-50-1	1,2-Dichlorobenzene	73	
96-12-8	1,2-Dibromo-3-Chloropropane	70	
120-82-1	1,2,4-Trichlorobenzene	77	B
1330-20-7	Xylene (total)	210	
79-20-9	Methyl acetate	37	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW2326

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2826

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW2826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2826

.b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	4.0	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.

ACSGWMW3026

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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	1.18	8.9	NJ
2. 123-91-1	1,4-DIOXANE	4.25	6.1	NJ
3.				
4.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3126

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3326

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW3326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 109-99-9	FURAN, TETRAHYDRO-	2.77	130	NJ
2. 123-91-1	1,4-DIOXANE	4.25	12	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	J
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.

ACSGWMW4226

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	2.5	J
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	2.2	J
95-50-1	1,2-Dichlorobenzene	3.1	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	135-01-3	BENZENE, 1,2-DIETHYL-	14.46	31	NJ
2.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.80	27	NJ
3.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.90	20	NJ
4.	3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	15.07	24	NJ
5.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	15.33	130	NJ
6.	2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	15.65	27	NJ
7.	874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	15.76	30	NJ
8.	767-58-8	INDAN, 1-METHYL-	15.81	75	NJ
9.	13632-94-5	BENZENE, 1,4-DIETHYL-2-METHY	16.12	22	NJ
10.	101-84-8	DIPHENYL ETHER	19.19	19	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	15	
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	1.3	J
95-50-1	1,2-Dichlorobenzene	1.7	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	6.1	NJ
2.	UNKNOWN	0.92	13	J
3. 0-00-0	ETHENE, ETHYLOXY-	1.18	3400	NJ
4.	UNKNOWN	2.77	28	J
5. 123-91-1	1,4-DIOXANE	4.25	7.1	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	0.94	9.3	J
2.	0-00-0	ETHENE, ETHYLOXY-	1.18	3100	NJ
3.	123-91-1	1,4-DIOXANE	4.25	6.0	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	7.6	
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.

ACSGWMW5326

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	6.6	NJ
2. 60-29-7	ETHYL ETHER	1.18	9.4	NJ
3. 109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ
4. 123-91-1	1,4-DIOXANE	4.25	18	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0126

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWTB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAJLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80289

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80289A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	49	
74-87-3	Chloromethane	47	
75-01-4	Vinyl Chloride	52	
74-83-9	Bromomethane	32	
75-00-3	Chloroethane	22	
75-69-4	Trichlorofluoromethane	53	
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	85	
75-09-2	Methylene Chloride	55	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl-tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	150	
67-66-3	Chloroform	55	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon Tetrachloride	56	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	55	
79-01-6	Trichloroethene	56	
78-87-5	1,2-Dichloropropane	55	
75-27-4	Bromodichloromethane	57	
10061-01-5	cis-1,3-Dichloropropene	56	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	58	
127-18-4	Tetrachloroethene	59	
591-78-6	2-hexanone	140	
124-48-1	Dibromochloromethane	58	
106-93-4	1,2-Dibromoethane	60	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAJLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80289

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80289A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	62	
98-82-8	Isopropyl Benzene	61	
79-34-5	1,1,2,2-Tetrachloroethane	59	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	60	
95-50-1	1,2-Dichlorobenzene	60	
96-12-8	1,2-Dibromo-3-Chloropropane	65	
120-82-1	1,2,4-Trichlorobenzene	63	
1330-20-7	Xylene (total)	180	
79-20-9	Methyl acetate	63	
110-82-7	Cyclohexane	56	
108-87-2	Methylcyclohexane	62	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	35	
74-87-3	Chloromethane	45	
75-01-4	Vinyl Chloride	45	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	46	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	38	
75-15-0	Carbon disulfide	32	
76-13-1	1,1,2-trichloro-1,2,2-triflu	47	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	42	
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl-tert-butyl ether	42	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	120	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon Tetrachloride	44	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	130	
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.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	51	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	54	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	55	
106-46-7	1,4-Dichlorobenzene	56	
95-50-1	1,2-Dichlorobenzene	55	
96-12-8	1,2-Dibromo-3-Chloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	58	B
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	43	
110-82-7	Cyclohexane	43	
108-87-2	Methylcyclohexane	50	

FORM I VOA

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.: 7771

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKAJ	93	90	95	90	0
02	VAJLCS	99	94	95	94	0
03	ACSGWMW1126	103	104	100	113	0
04	ACSGWMW2326	99	98	95	93	0
05	ACSGWMW0826	103	99	95	91	0
06	ACSGWMW3126	100	96	96	92	0
07	ACSGWMW3226	101	98	96	91	0
08	ACSGWDUP0126	103	99	96	93	0
09	ACSGWMW2826	99	98	96	93	0
10	ACSGWMW1726	102	103	96	91	0
11	ACSGWMW4226	103	103	97	95	0
12	ACSGWMW4326	101	100	96	93	0
13	ACSGWTB0126	104	101	95	91	0
14	VBLKAK	78*	75*	94	94	0
15	VAKLCS	81	74	93	94	0
16	ACSGWEB0126	81	74	96	96	0
17	ACSGWMW1726M	81	76	96	94	0
18	ACSGWMW1726M	79	74	97	96	0
19	ACSGWMW4526	76*	75	95	95	0
20	ACSGWMW4426	78*	78	95	96	0
21	ACSGWMW5126	80	79	94	93	0
22	ACSGWMW3026	78*	76	94	96	0
23	ACSGWMW3326	76*	76	94	95	0
24	ACSGWMW5226	76*	78	93	93	0
25	ACSGWMW5326	79*	78	94	94	0
26	ACSGWDUP0226	77*	75	95	94	0
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.: 7771

Matrix Spike - Sample No.: ACSGWMW1726

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	44.17	88	72-129
Benzene	50	0.0	45.46	91	75-125
Trichloroethene	50	0.0	45.14	90	66-147
Toluene	50	0.0	50.92	102	78-126
Chlorobenzene	50	0.0	49.62	99	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	59.98	120	30*	14	72-129
Benzene	50	61.21	122	30*	14	75-125
Trichloroethene	50	60.6	121	29*	14	66-147
Toluene	50	69.99	140*	32*	14	78-126
Chlorobenzene	50	68.03	136*	31*	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: _____

FORM III VOA

3A
WATER VOLATILE LAB CONTROL SAMPLE

VAJLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	54.14	108	72-129
Benzene	50	54.07	108	75-125
Trichloroethene	50	56.39	113	66-147
Toluene	50	55.09	110	78-126
Chlorobenzene	50	56.61	113	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

VAKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	37.9	76	72-129
Benzene	50	44.62	89	75-125
Trichloroethene	50	43.02	86	66-147
Toluene	50	49.98	100	78-126
Chlorobenzene	50	50.68	101	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

VBLKAJ

.b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Lab File ID: 80286A59 Lab Sample ID: 80286

Date Analyzed: 09/21/05 Time Analyzed: 1307

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	VAJLCS	80289	80289A59	1432
02	ACSGWMW1126	777101	777101A59	1803
03	ACSGWMW2326	777102	777102A59	1831
04	ACSGWMW0826	777103	777103A59	1859
05	ACSGWMW3126	777104	777104A59	1927
06	ACSGWMW3226	777105	777105A59	1955
07	ACSGWDUP0126	777106	777106A59	2023
08	ACSGWMW2826	777107	777107A59	2052
09	ACSGWMW1726	777108	777108A59	2120
10	ACSGWMW4226	777109	777109A59	2148
11	ACSGWMW4326	777110	777110A59	2216
12	ACSGWTB0126	777111	777111A59	2244
13				
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKAJ

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

VBLKAJ

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAJ

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Lab File ID: 80287RB62_7771 Lab Sample ID: 80287

Date Analyzed: 09/22/05 Time Analyzed: 1923

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VAKLCS	80290	80290B62_777	1953
02	ACSGWEB0126	777113	777113B62	2123
03	ACSGWMW1726M	80292	80292B62	2152
04	ACSGWMW1726M	80293	80293B62	2222
05	ACSGWMW4526	777112	777112B62	2351
06	ACSGWMW4426	777114	777114B62	0021
07	ACSGWMW5126	777115	777115B62	0051
08	ACSGWMW3026	777116	777116B62	0111
09	ACSGWMW3326	777117	777117B62	0131
10	ACSGWMW5226	777118	777118B62	0151
11	ACSGWMW5326	777119	777119B62	0211
12	ACSGWDUP0226	777120	777120B62	0231
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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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.: 7771

Lab File ID (Standard): GS050921A59 Date Analyzed: 09/21/05

Instrument ID: 5972HP59 Time Analyzed: 1150

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	401110	9.28	269990	12.21	143903	14.33
	UPPER LIMIT	802220	9.78	539980	12.71	287806	14.83
	LOWER LIMIT	200555	8.78	134995	11.71	71952	13.83
	CLIENT SAMPLE NO.						
01	VBLKAJ	354643	9.28	243567	12.21	132488	14.32
02	VAJLCS	366187	9.29	245992	12.22	127035	14.33
03	ACSGWMW1126	355145	9.29	216870	12.22	84448	14.34
04	ACSGWMW2326	353560	9.29	229967	12.22	117396	14.33
05	ACSGWMW0826	339034	9.29	225745	12.22	116761	14.33
06	ACSGWMW3126	341154	9.28	219455	12.21	110862	14.33
07	ACSGWMW3226	330538	9.28	215766	12.21	109030	14.33
08	ACSGWDUP0126	320319	9.28	208176	12.21	105184	14.33
09	ACSGWMW2826	324947	9.28	204734	12.22	102640	14.33
10	ACSGWMW1726	312683	9.28	201690	12.21	101813	14.33
11	ACSGWMW4226	313192	9.28	208938	12.21	110285	14.33
12	ACSGWMW4326	332043	9.29	212155	12.22	106313	14.33
13	ACSGWTB0126	312052	9.28	202301	12.21	101859	14.33
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.: 7771

Lab File ID (Standard): CU050922B62 Date Analyzed: 09/22/05

Instrument ID: 5973HP62 Time Analyzed: 1823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	582558	3.62	464456	5.19	239608	6.04
	UPPER LIMIT	1165116	4.12	928912	5.69	479216	6.54
	LOWER LIMIT	291279	3.12	232228	4.69	119804	5.54
	CLIENT SAMPLE NO.						
01	VBLKAK	540870	3.62	441199	5.19	224353	6.03
02	VAKLCS	550976	3.62	456960	5.19	237814	6.03
03	ACSGWEB0126	527651	3.62	422248	5.19	217676	6.03
04	ACSGWMW1726M	524228	3.62	427398	5.19	226555	6.03
05	ACSGWMW1726M	529887	3.62	427657	5.19	223497	6.03
06	ACSGWMW4526	524657	3.62	417436	5.19	209636	6.03
07	ACSGWMW4426	511371	3.62	415510	5.19	210025	6.03
08	ACSGWMW5126	535806	3.62	431266	5.19	220809	6.03
09	ACSGWMW3026	517820	3.62	418232	5.19	207231	6.03
10	ACSGWMW3326	536437	3.62	423039	5.19	213200	6.03
11	ACSGWMW5226	539301	3.62	427329	5.19	219144	6.03
12	ACSGWMW5326	543506	3.62	440215	5.19	222734	6.03
13	ACSGWDUP0226	544619	3.62	427311	5.19	217772	6.03
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

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 # : 7771

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#: 7771
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWMW1126, ACSGWMW2326, ACSGWMW0826, ACSGWMW3126, ACSGWMW3226, ACSGWDUP0126, ACSGWMW2826, ACSGWMW1726, ACSGWMW4226, ACSGWMW4326, ACSGWTB0126, ACSGWMW4526, ACSGWEB0126, ACSGWMW4426, ACSGWMW5126, ACSGWMW3026, ACSGWMW3326, ACSGWMW5226, ACSGWMW5326, and ACSGWDUP0226

The water samples listed above were received intact, properly refrigerated at a temperature of 2.0-2.3°C, with proper documentation, in sealed shipping containers on September 21-22, 2005. The samples were scheduled for the requested analyses of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze the above samples. 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 sections.

Analysis holding time requirements were met for all samples. Multiple target compounds were identified above the Contract Required Quantitation Limit (CRQL) in some of the samples. 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. The system monitoring compounds met all recovery criteria in the analyses of these samples. The internal standards met all response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. The Laboratory Control Samples (LCS) met all QC criteria. ACSGWMW1726 was analyzed as a duplicate Matrix Spike sample (MS/MSD), and met most QC 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. 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.

Ron Fertile
Volatile Lab Supervisor
September 26, 2005

GC and GC/MS Column and Trap Specifications Table

SDG #:	7771

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

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CompuChem's Pagination Convention

As required by the current 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 in an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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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 data packages.

Robert E. Meierer

Robert E. Meierer
Vice President

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.

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.

№ 00768

Page 1 of 2 LC

CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Company Name: MWH
Address: 175 W. Jackson Blvd. ste 1900
City: Chicago State: IL Zip: 60604
Project Contact: Amy Clore
Phone #: 312-831-3051
Sampler's Name: A Clore / J. Finger

Project Name: ACS
Sampling Location:
Turnaround time:
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)? Maybe

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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+TICs)																							
777101	ACS-GW-MW11-26	9/20	0805	GW	3	3						✓																							
777102	ACS-GW-MW23-26	9/20	0850		3	3						✓																							
777103	ACS-GW-MW08-26	9/20	0930		3	3						✓																							
777104	ACS-GW-MW31-26	9/20	1020		3	3						✓																							
777105	ACS-GW-MW32-26	9/20	1115		3	3						✓																							
777106	ACS-GW-DUP01-26	9/20	1200		3	3						✓																							
777107	ACS-GW-MW28-26	9/20	1320		3	3						✓																							
777108	ACS-GW-MW17-26	9/20	1405		9	9						✓	(MS/MSD)																						
777109	ACS-GW-MW42-26	9/20	1500		3	3						✓																							
777110	ACS-GW-MW43-26	9/20	1550		3	3						✓																							

Sample Unpacked By: [signature]
Sample Order Entry By: Marlene [signature]
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

TB has Pecsize air bubble

Relinquished by: Amy Clore — Date/Time: 9/20/05 1700 — Received by: [signature] — Date/Time:
Relinquished by: — Date/Time: — Received by: [signature] — Date/Time: 9-21-05 10:30
Subcontact? Y or N If yes, where? — Custody Seal(s) intact? Y or N — On Ice? Y or N — Cooler Temp: 2.0 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab - Pink copy for customer

№ 007681

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Page 2 of 2

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Company Name: MWH	Project Name: ACS
Address: 175. W. Jackson Blvd. Ste. 1900	Sampling Location
City: Chicago State: IL Zip: 60604	Turnaround time
Project Contact: Amy Clore	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 312-831-3051	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: A. Clore / J. Finger	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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (TICs)
777111	ACS-GW-TB01-26	9/20	1600	TB	1	1						✓

Sample Unpacked By: [signature]
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

Relinquished by: Amy Clore	Date/Time:	Received by: [signature]	Date/Time:
Relinquished by:	Date/Time:	Received by: [signature]	Date/Time: 9-21-05
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.6

Samples st days after date report mailed at no extra charge.

White & Yellow copy to lab → Pink copy for customer

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WORKORDER SUMMARY REPORT

Workorder: 7771 **Account:** MWH **Project:** ACS
SDG-Case: ACS **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
777101	ACSGWMW1126	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777102	ACSGWMW2326	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777103	ACSGWMW0826	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777104	ACSGWMW3126	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777105	ACSGWMW3226	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777106	ACSGWDUP0126	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777107	ACSGWMW2826	9/20/2005	9/21/2005	10/4/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777108	ACSGWMW1726	9/20/2005	9/21/2005	10/4/2005	**USE FOR QC**REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	QCW-8260-5	QC-8260B 5ML VOC WATER			
777109	ACSGWMW4226	9/20/2005	9/21/2005	10/4/2005	****REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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WORKORDER SUMMARY REPORT

Workorder: 7771 **Account:** MWH **Project:** ACS

SDG-Case: ACS **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
777110	ACSGWMW4326	9/20/2005	9/21/2005	10/4/2005	**REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777111	ACSGWTB0126	9/20/2005	9/21/2005	10/4/2005	**TRIPBLANK**REPORT TCL4 VOA & TICs**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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№ 007660

Page 1 of 2

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier: Fed Ex
Airbill No.
Sampling Complete? Y or N

Company Name: MWH
Address: 175 W. Jackson Blvd. Ste 1900
City: Chicago State: IL Zip: 60604
Project Contact: A. Clore
Phone #: 312-831-3000
Sampler's Name: J. Finger / A. Clore

Project Name: ACS
Sampling Location: Griffith, IN
Turnaround time: Specified in Task Order
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)? MAYBE

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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+ TICs)
777112	ACS-GW-MW45-26	9/21	0805	GW	3	3						✓
777113	ACS-GW-EB01-26	9/21	0710		3	3						✓
777114	ACS-GW-MW44-26	9/21	0910		3	3						✓
777115	ACS-GW-MW51-26	9/21	1025		3	3						✓
777116	ACS-GW-MW30-26	9/21	1110		3	3						✓
777117	ACS-GW-MW33-26	9/21	1200 A.C.		3	3						✓
777118	ACS-GW-MW52-26	9/21	1405		3	3						✓
777119	ACS-GW-MW53-26	9/21	1450		3	3						✓
777120	ACS-GW-DUP02-26	9/21	1600		3	3						✓
778801	ACS-GW-MW54R-26	9/21	1605		3	3						✓

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: [illegible]
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

Relinquished by: Amy Clore	Date/Time: 9/21/05	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: Jennifer Dover	Date/Time: 9-22-05 9:20
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N
			Cooler Temp: 2.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

№ 007684

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Company Name: MWH
Address: 175 W. Jackson Blvd. Ste 1709
City: Chicago State: IL Zip: 60604
Project Contact: Amy Clore
Phone #: 312-831-3000
Sampler's Name: J. Finger / A. Clore

Project Name: ACS
Sampling Location: Griffith, IN
Turnaround time: Specified in Task order
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)? Maybe

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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+ TICs)
778802	ACS-GW-MW55-26	9/21	1645	GW	3	3						✓
778803	ACS-GW-MW15-26	9/21	1750	GW	3	3						✓
778804	ACS-GW-TB02-26	9/21	—	TB	1	1						✓

MB 9/22/05

Sample Unpacked By: Jennifer Bowen
Sample Order Entry By: Melissa [illegible]
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

Relinquished by: Amy Clore — Date/Time: 9/21/05
Relinquished by: — Date/Time:
Received by: — Date/Time:
Received by: Jennifer Bowen — Date/Time: 9-22-05 9:20

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 2.3 °C

Samples sto[illegible] 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: 7771 **Account:** MWH **Project:** ACS
SDG-Case: ACS **Status:** CLOSED **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
777101	ACSGWMW1126	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777102	ACSGWMW2326	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777103	ACSGWMW0826	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777104	ACSGWMW3126	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777105	ACSGWMW3226	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777106	ACSGWDUP0126	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777107	ACSGWMW2826	9/20/2005	9/21/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777108	ACSGWMW1726	9/20/2005	9/21/2005	10/5/2005	**USE FOR QC**REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	QCW-8260-5	QC-8260B 5ML VOC WATER			
777109	ACSGWMW4226	9/20/2005	9/21/2005	10/5/2005	****REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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WORKORDER SUMMARY REPORT

Workorder: 7771 **Account:** MWH **Project:** ACS
SDG-Case: ACS **Status:** CLOSED **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
777110	ACSGWMW4326	9/20/2005	9/21/2005	10/5/2005	**REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777111	ACSGWTB0126	9/20/2005	9/21/2005	10/5/2005	**TRIPBLANK**REPORT TCL4 VOA & TICs**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777112	ACSGWMW4526	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777113	ACSGWEB0126	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777114	ACSGWMW4426	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777115	ACSGWMW5126	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777116	ACSGWMW3026	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777117	ACSGWMW3326	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777118	ACSGWMW5226	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
777119	ACSGWMW5326	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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WORKORDER SUMMARY REPORT

Workorder: 7771 **Account:** MWH **Project:** ACS

SDG-Case: ACS **Status:** CLOSED **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
777120	ACSGWDUP0226	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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WORKORDER SUMMARY REPORT

Workorder: 7788 **Account:** MWH **Project:** ACS
SDG-Case: ACS **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
778801	ACSGWMW54R2	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778802	ACSGWMW5526	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778803	ACSGWMW1526	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778804	ACSGWTB0226	9/21/2005	9/22/2005	10/5/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**TRIP BLANK**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 9/21/2005 Batch 14645

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	777101	9/21/2005	VW8260_5X	40MLVIAL	HCL	777101-1
2	777102	9/21/2005	VW8260_5X	40MLVIAL	HCL	777102-1
3	777103	9/21/2005	VW8260_5X	40MLVIAL	HCL	777103-1
4	777104	9/21/2005	VW8260_5X	40MLVIAL	HCL	777104-1
5	777105	9/21/2005	VW8260_5X	40MLVIAL	HCL	777105-1
6	777106	9/21/2005	VW8260_5X	40MLVIAL	HCL	777106-1
7	777107	9/21/2005	VW8260_5X	40MLVIAL	HCL	777107-1
8	777108	9/21/2005	VW8260_5X	40MLVIAL	HCL	777108-1
9	777108	9/21/2005	VW8260_5X	NA	NONE	777108-10
10	777109	9/21/2005	VW8260_5X	40MLVIAL	HCL	777109-1
11	777110	9/21/2005	VW8260_5X	40MLVIAL	HCL	777110-1
12	777111	9/21/2005	VW8260_5X	40MLVIAL	HCL	777111-1

Relinquished By:	Received By:	Date/Time	Reason
[illegible]	[illegible]	9-21-5 1182	[illegible]
[illegible]	[illegible]	9-21-5 /22:30	Temp Stg

Wednesday, September 21, 2005

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 9/22/2005 Batch 14670

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	777113	9/22/2005	VW8260_5X	40MLVIAL	HCL	777113-1
2	777112	9/22/2005	VW8260_5X	40MLVIAL	HCL	777112-1
3	777114	9/22/2005	VW8260_5X	40MLVIAL	HCL	777114-1
4	777115	9/22/2005	VW8260_5X	40MLVIAL	HCL	777115-1
5	777116	9/22/2005	VW8260_5X	40MLVIAL	HCL	777116-1
6	777117	9/22/2005	VW8260_5X	40MLVIAL	HCL	777117-1
7	777118	9/22/2005	VW8260_5X	40MLVIAL	HCL	777118-1
8	777119	9/22/2005	VW8260_5X	40MLVIAL	HCL	777119-1
9	777120	9/22/2005	VW8260_5X	40MLVIAL	HCL	777120-1

Relinquished By:	Received By:	Date/Time	Reason
[illegible]	[illegible]	9-22-05 / 16:15	Analysis
[illegible]	[illegible]	9-22-05 / 22:45	Tape Sly

Thursday, September 22, 2005

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE : LIBRTY METHOD: 8260B

CASE # : _____ SDG # : 771

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.: 7771

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKAJ	93	90	95	90	0
02	VAJLCS	99	94	95	94	0
03	ACSGWMW1126	103	104	100	113	0
04	ACSGWMW2326	99	98	95	93	0
05	ACSGWMW0826	103	99	95	91	0
06	ACSGWMW3126	100	96	96	92	0
07	ACSGWMW3226	101	98	96	91	0
08	ACSGWDUP0126	103	99	96	93	0
09	ACSGWMW2826	99	98	96	93	0
10	ACSGWMW1726	102	103	96	91	0
11	ACSGWMW4226	103	103	97	95	0
12	ACSGWMW4326	101	100	96	93	0
13	ACSGWTB0126	104	101	95	91	0
14	VBLKAK	78	75	94	94	0
15	VAKLCS	81	74	93	94	0
16	ACSGWEB0126	81	74	96	96	0
17	ACSGWMW1726M	81	76	96	94	0
18	ACSGWMW1726M	79	74	97	96	0
19	ACSGWMW4526	76	75	95	95	0
20	ACSGWMW4426	78	78	95	96	0
21	ACSGWMW5126	80	79	94	93	0
22	ACSGWMW3026	78	76	94	96	0
23	ACSGWMW3326	76	76	94	95	0
24	ACSGWMW5226	76	78	93	93	0
25	ACSGWMW5326	79	78	94	94	0
26	ACSGWDUP0226	77	75	95	94	0
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.: 7771

Matrix Spike - Sample No.: ACSGWMW1726

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	44.17	88	72-129
Benzene	50	0.0	45.46	91	75-125
Trichloroethene	50	0.0	45.14	90	66-147
Toluene	50	0.0	50.92	102	78-126
Chlorobenzene	50	0.0	49.62	99	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	59.98	120	30*	14	72-129
Benzene	50	61.21	122	30*	14	75-125
Trichloroethene	50	60.6	121	29*	14	66-147
Toluene	50	69.99	140*	32*	14	78-126
Chlorobenzene	50	68.03	136*	31*	14	80-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS:

FORM III VOA

3A
WATER VOLATILE LAB CONTROL SAMPLE

VAJLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	54.14	108	72-129
Benzene	50	54.07	108	75-125
Trichloroethene	50	56.39	113	66-147
Toluene	50	55.09	110	78-126
Chlorobenzene	50	56.61	113	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

VAKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	37.9	76	72-129
Benzene	50	44.62	89	75-125
Trichloroethene	50	43.02	86	66-147
Toluene	50	49.98	100	78-126
Chlorobenzene	50	50.68	101	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

VBLKAJ

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Lab File ID: 80286A59 Lab Sample ID: 80286

Date Analyzed: 09/21/05 Time Analyzed: 1307

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	VAJLCS	80289	80289A59	1432
02	ACSGWMW1126	777101	777101A59	1803
03	ACSGWMW2326	777102	777102A59	1831
04	ACSGWMW0826	777103	777103A59	1859
05	ACSGWMW3126	777104	777104A59	1927
06	ACSGWMW3226	777105	777105A59	1955
07	ACSGWDUP0126	777106	777106A59	2023
08	ACSGWMW2826	777107	777107A59	2052
09	ACSGWMW1726	777108	777108A59	2120
10	ACSGWMW4226	777109	777109A59	2148
11	ACSGWMW4326	777110	777110A59	2216
12	ACSGWTB0126	777111	777111A59	2244
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKAK

b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Lab File ID: 80287RB62_7771 Lab Sample ID: 80287

Date Analyzed: 09/22/05 Time Analyzed: 1923

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VAKLCS	80290	80290B62_777	1953
02	ACSGWEB0126	777113	777113B62	2123
03	ACSGWMW1726M	80292	80292B62	2152
04	ACSGWMW1726M	80293	80293B62	2222
05	ACSGWMW4526	777112	777112B62	2351
06	ACSGWMW4426	777114	777114B62	0021
07	ACSGWMW5126	777115	777115B62	0051
08	ACSGWMW3026	777116	777116B62	0111
09	ACSGWMW3326	777117	777117B62	0131
10	ACSGWMW5226	777118	777118B62	0151
11	ACSGWMW5326	777119	777119B62	0211
12	ACSGWDUP0226	777120	777120B62	0231
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COMMENTS:

FORM IV VOA

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.: 7771

Lab File ID: BF050912A62 BFB Injection Date: 09/12/05

Instrument ID: 5973HP62 BFB Injection Time: 1326

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.6 (7.0)1
176	95.0 - 101.0% of mass 174	91.7 (96.8)1
177	5.0 - 9.0% of mass 176	5.9 (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	VSTD005	VSTD005	CU050912A62	09/12/05	1409
02	VSTD010	VSTD010	CV050912A62	09/12/05	1440
03	VSTD020	VSTD020	CW050912A62	09/12/05	1508
04	VSTD050	VSTD050	CY050912A62	09/12/05	1604
05	VSTD100	VSTD100	CA050912A62	09/12/05	1700
06	VSTD200	VSTD200	CB050912A62	09/12/05	1728
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page 1 of 1

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.: 7771

Lab File ID: BG050912A59 BFB Injection Date: 09/12/05

Instrument ID: 5972HP59 BFB Injection Time: 1454

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	16.9
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	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.3 (7.2)1
176	95.0 - 101.0% of mass 174	71.5 (97.8)1
177	5.0 - 9.0% of mass 176	4.6 (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	VSTD005	VSTD005	GT050912A59	09/12/05	1549
02	VSTD010	VSTD010	GU050912A59	09/12/05	1616
03	VSTD020	VSTD020	GV050912A59	09/12/05	1644
04	VSTD100	VSTD100	GX050912A59	09/12/05	1739
05	VSTD200	VSTD200	GY050912A59	09/12/05	1806
06	VSTD050	VSTD050	GA050912A59	09/12/05	1928
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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.: 7771

Lab File ID: BF050921A59 BFB Injection Date: 09/21/05

Instrument ID: 5972HP59 BFB Injection Time: 1115

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	15.1
75	30.0 - 60.0% of mass 95	43.1
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	77.6
175	5.0 - 9.0% of mass 174	5.6 (7.2)1
176	95.0 - 101.0% of mass 174	74.8 (96.4)1
177	5.0 - 9.0% of mass 176	4.9 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GS050921A59	09/21/05	1150
02	VBLKAJ	80286	80286A59	09/21/05	1307
03	VAJLCS	80289	80289A59	09/21/05	1432
04	ACSGWMW1126	777101	777101A59	09/21/05	1803
05	ACSGWMW2326	777102	777102A59	09/21/05	1831
06	ACSGWMW0826	777103	777103A59	09/21/05	1859
07	ACSGWMW3126	777104	777104A59	09/21/05	1927
08	ACSGWMW3226	777105	777105A59	09/21/05	1955
09	ACSGWDUP0126	777106	777106A59	09/21/05	2023
10	ACSGWMW2826	777107	777107A59	09/21/05	2052
11	ACSGWMW1726	777108	777108A59	09/21/05	2120
12	ACSGWMW4226	777109	777109A59	09/21/05	2148
13	ACSGWMW4326	777110	777110A59	09/21/05	2216
14	ACSGWTB0126	777111	777111A59	09/21/05	2244
15					
16					
17					
18					
19					
20					
21					
22					

page 1 of 1

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.: 7771

Lab File ID: BF050922B62 BFB Injection Date: 09/22/05

Instrument ID: 5973HP62 BFB Injection Time: 1737

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	40.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	7.3 (7.3)1
176	95.0 - 101.0% of mass 174	94.9 (95.5)1
177	5.0 - 9.0% of mass 176	5.9 (6.2)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	CU050922B62	09/22/05	1823
02	VBLKAK	80287	80287RB62_7771	09/22/05	1923
03	VAKLCS	80290	80290B62_7771	09/22/05	1953
04	ACSGWEB0126	777113	777113B62	09/22/05	2123
05	ACSGWMW1726M	80292	80292B62	09/22/05	2152
06	ACSGWMW1726M	80293	80293B62	09/22/05	2222
07	ACSGWMW4526	777112	777112B62	09/22/05	2351
08	ACSGWMW4426	777114	777114B62	09/23/05	0021
09	ACSGWMW5126	777115	777115B62	09/23/05	0051
10	ACSGWMW3026	777116	777116B62	09/23/05	0111
11	ACSGWMW3326	777117	777117B62	09/23/05	0131
12	ACSGWMW5226	777118	777118B62	09/23/05	0151
13	ACSGWMW5326	777119	777119B62	09/23/05	0211
14	ACSGWDUP0226	777120	777120B62	09/23/05	0231
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.: 7771

Lab File ID (Standard): GS050921A59 Date Analyzed: 09/21/05

Instrument ID: 5972HP59 Time Analyzed: 1150

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	401110	9.28	269990	12.21	143903	14.33
	UPPER LIMIT	802220	9.78	539980	12.71	287806	14.83
	LOWER LIMIT	200555	8.78	134995	11.71	71952	13.83
	CLIENT SAMPLE NO.						
01	VBLKAJ	354643	9.28	243567	12.21	132488	14.32
02	VAJLCS	366187	9.29	245992	12.22	127035	14.33
03	ACSGWMW1126	355145	9.29	216870	12.22	84448	14.34
04	ACSGWMW2326	353560	9.29	229967	12.22	117396	14.33
05	ACSGWMW0826	339034	9.29	225745	12.22	116761	14.33
06	ACSGWMW3126	341154	9.28	219455	12.21	110862	14.33
07	ACSGWMW3226	330538	9.28	215766	12.21	109030	14.33
08	ACSGWDUP0126	320319	9.28	208176	12.21	105184	14.33
09	ACSGWMW2826	324947	9.28	204734	12.22	102640	14.33
10	ACSGWMW1726	312683	9.28	201690	12.21	101813	14.33
11	ACSGWMW4226	313192	9.28	208938	12.21	110285	14.33
12	ACSGWMW4326	332043	9.29	212155	12.22	106313	14.33
13	ACSGWTB0126	312052	9.28	202301	12.21	101859	14.33
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.: 7771

Lab File ID (Standard): CU050922B62 Date Analyzed: 09/22/05

Instrument ID: 5973HP62 Time Analyzed: 1823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	582558	3.62	464456	5.19	239608	6.04
	UPPER LIMIT	1165116	4.12	928912	5.69	479216	6.54
	LOWER LIMIT	291279	3.12	232228	4.69	119804	5.54
	CLIENT SAMPLE NO.						
01	VBLKAK	540870	3.62	441199	5.19	224353	6.03
02	VAKLCS	550976	3.62	456960	5.19	237814	6.03
03	ACSGWEB0126	527651	3.62	422248	5.19	217676	6.03
04	ACSGWMW1726M	524228	3.62	427398	5.19	226555	6.03
05	ACSGWMW1726M	529887	3.62	427657	5.19	223497	6.03
06	ACSGWMW4526	524657	3.62	417436	5.19	209636	6.03
07	ACSGWMW4426	511371	3.62	415510	5.19	210025	6.03
08	ACSGWMW5126	535806	3.62	431266	5.19	220809	6.03
09	ACSGWMW3026	517820	3.62	418232	5.19	207231	6.03
10	ACSGWMW3326	536437	3.62	423039	5.19	213200	6.03
11	ACSGWMW5226	539301	3.62	427329	5.19	219144	6.03
12	ACSGWMW5326	543506	3.62	440215	5.19	222734	6.03
13	ACSGWDUP0226	544619	3.62	427311	5.19	217772	6.03
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

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.

ACSGWDUP0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWDUP0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWDUP0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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9.				
10.				
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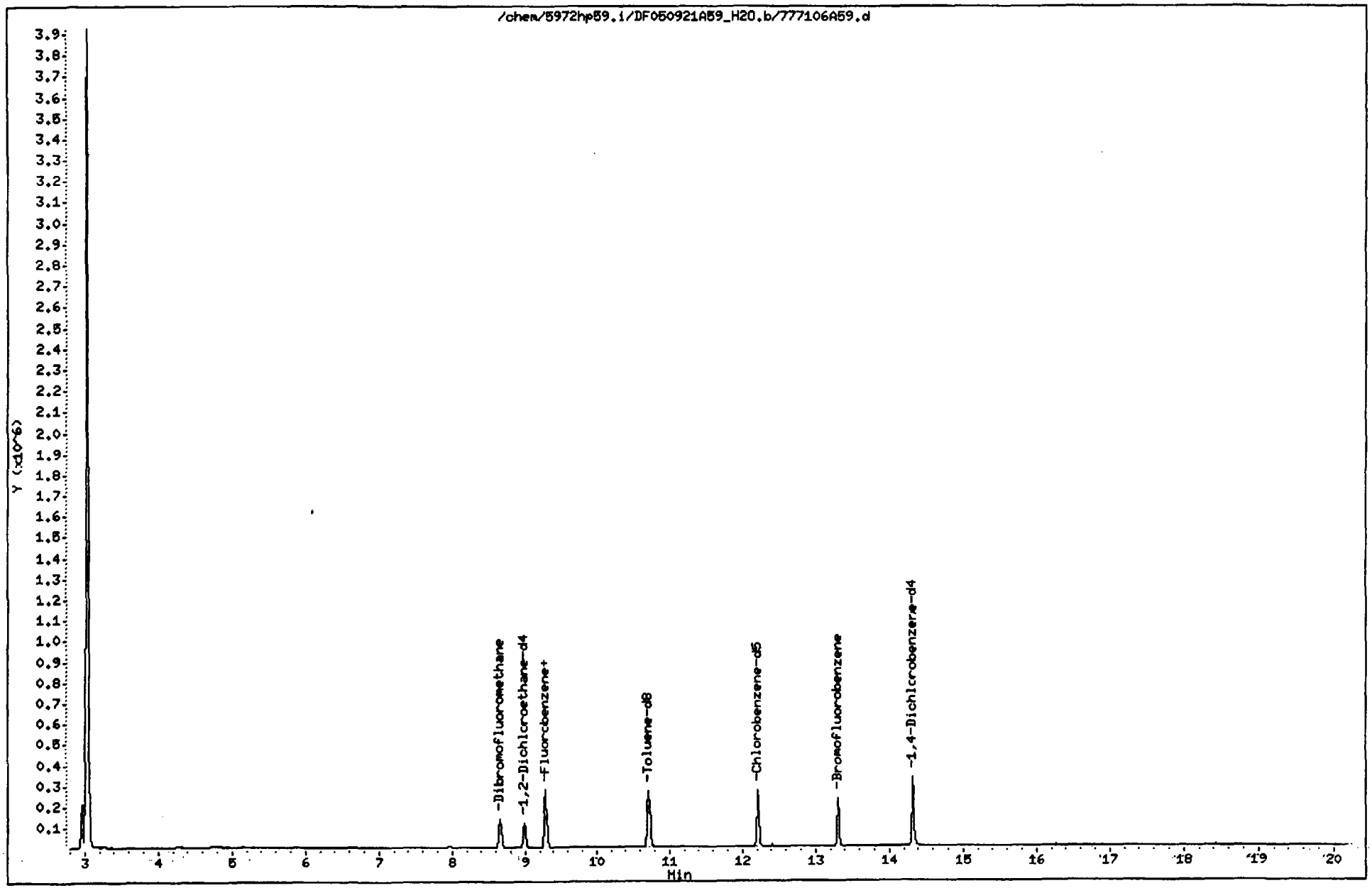
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H20.b/777106A59.d
Date : 21-SEP-2005 20:23
Client ID: ACSGWDUP0126
Sample Info: 777106:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777106A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777106A59.d
Lab Smp Id: 777106 Client Smp ID: ACSGWDUP0126
Inj Date : 21-SEP-2005 20:23
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777106:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 19
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	9.281	9.281	(1.000)	320319	250.000	
* 2 Chlorobenzene-d5	117	12.212	12.213	(1.000)	208176	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.327	14.328	(1.000)	105184	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.652	(0.933)	101726	256.502	51
$ 5 1,2-Dichloroethane-d4	65	8.985	8.986	(0.968)	98341	248.434	50
$ 6 Toluene-d8	98	10.717	10.708	(0.878)	272087	239.112	48
$ 7 Bromofluorobenzene	95	13.304	13.295	(0.929)	106679	231.717	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.					

Amit 9.22

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777106A59.d
Report Date: 22-Sep-2005 08:24

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/DF050921A59_H2O.b/777106A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777106A59.d
Lab Smp Id: 777106 Client Smp ID: ACSGWDUP0126
Inj Date : 21-SEP-2005 20:23
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777106:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 19
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.

ACSGWDUP0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	7.5	
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	5.8	NJ
2.	UNKNOWN	1.07	6.0	J
3. 109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ
4. 123-91-1	1,4-DIOXANE	4.25	18	NJ
5.				
6.				
7.				
8.				
9.				
10.				
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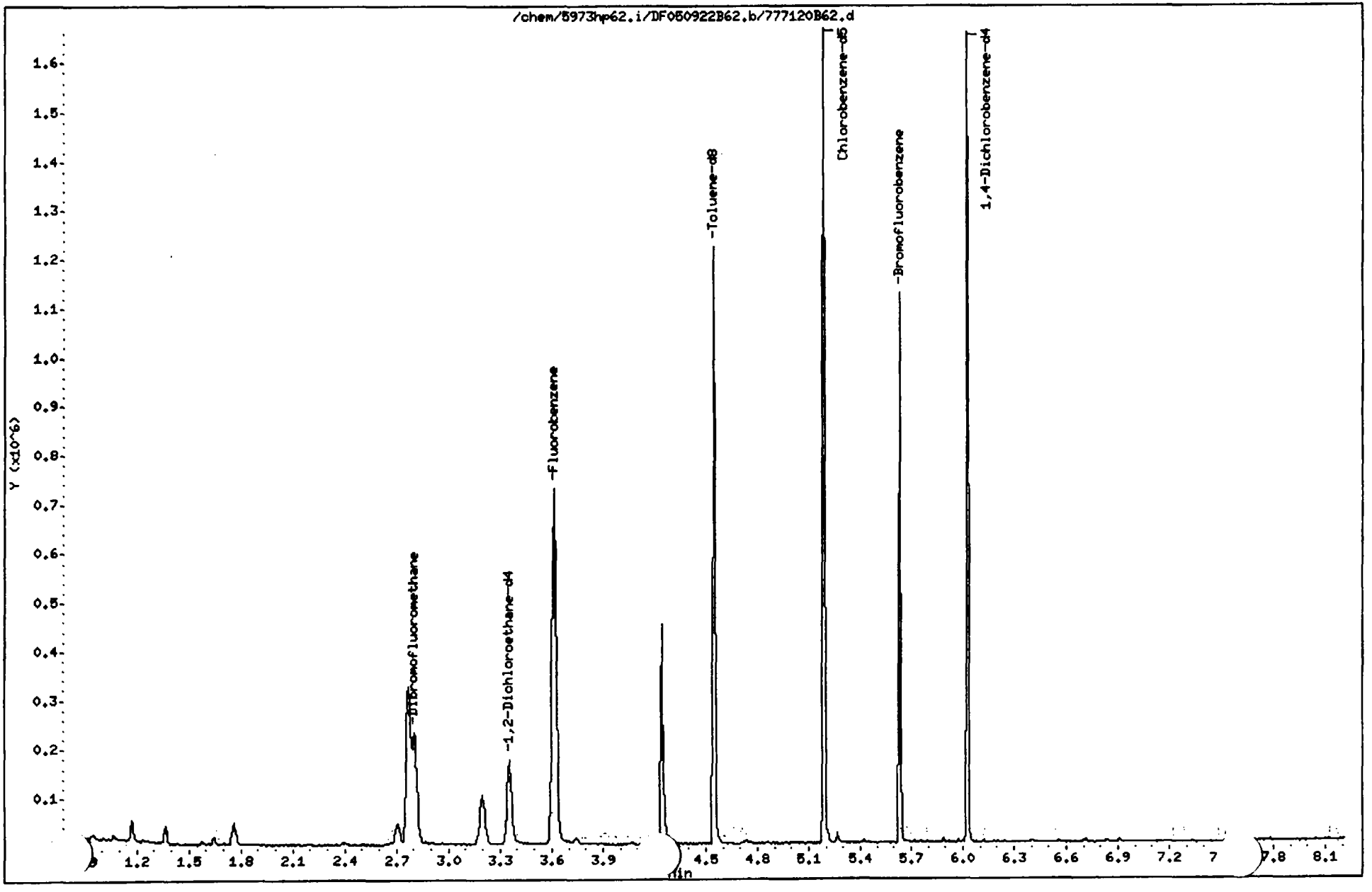
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d
Date : 23-SEP-2005 02:31
Client ID: ACSGWDUP0226
Sample Info: 777120:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777120B62.d
Lab Smp Id: 777120 Client Smp ID: ACSGWDUP0226
Inj Date : 23-SEP-2005 02:31
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777120:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 40
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	3.615	3.620	(1.000)	544619	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	427311	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.027	6.037	(1.000)	217772	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.776)	135938	193.305	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.928)	130635	188.331	38
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	424414	238.294	48
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.935)	169023	234.607	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.					

MTB 9-28-5

Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d
Report Date: 23-Sep-2005 07:23

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	3.196	3.201	(0.884)	107498	37.7013	7.5
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.					
trans-1,3-Dichloropropene	75	Compound Not Detected.					
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/5973hp62.i/DF050922B62.b/777120B62.d

Date : 23-SEP-2005 02:31

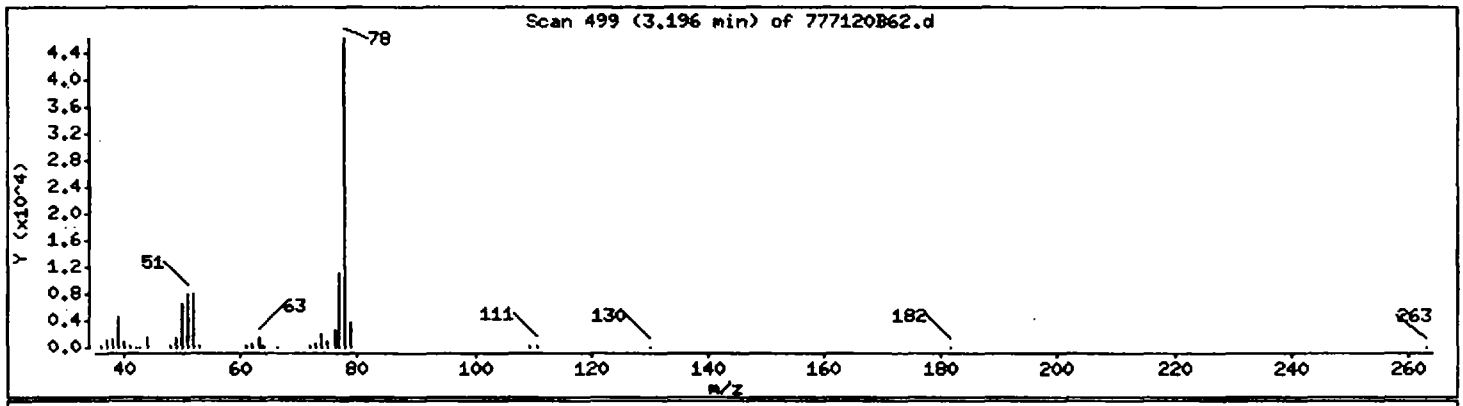
Client ID: ACSGWDUP0226 | Instrument: 5973hp62.i

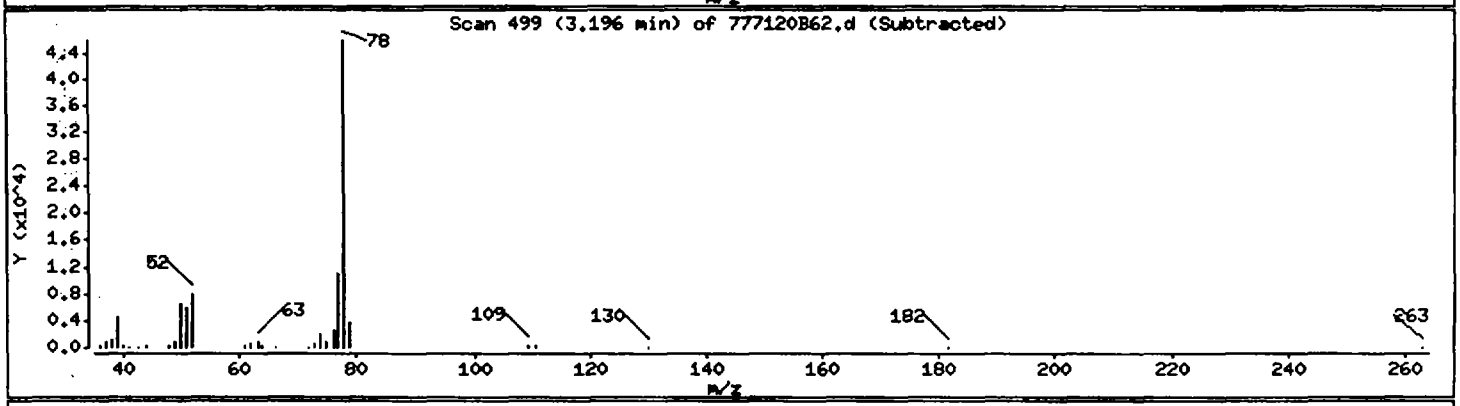
Sample Info: 777120:2323

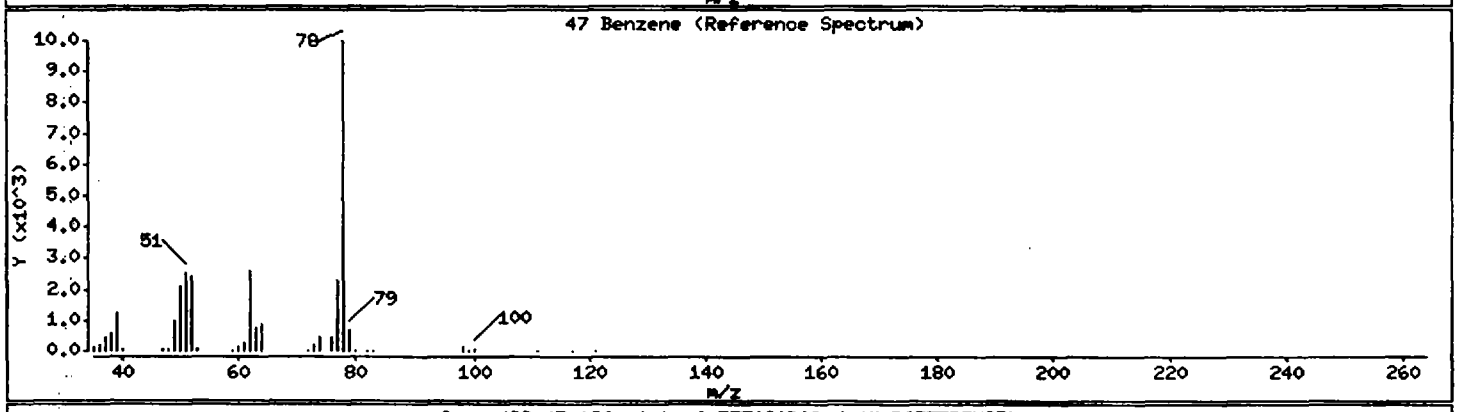
Purge Volume: 5.0 | Operator: 2323

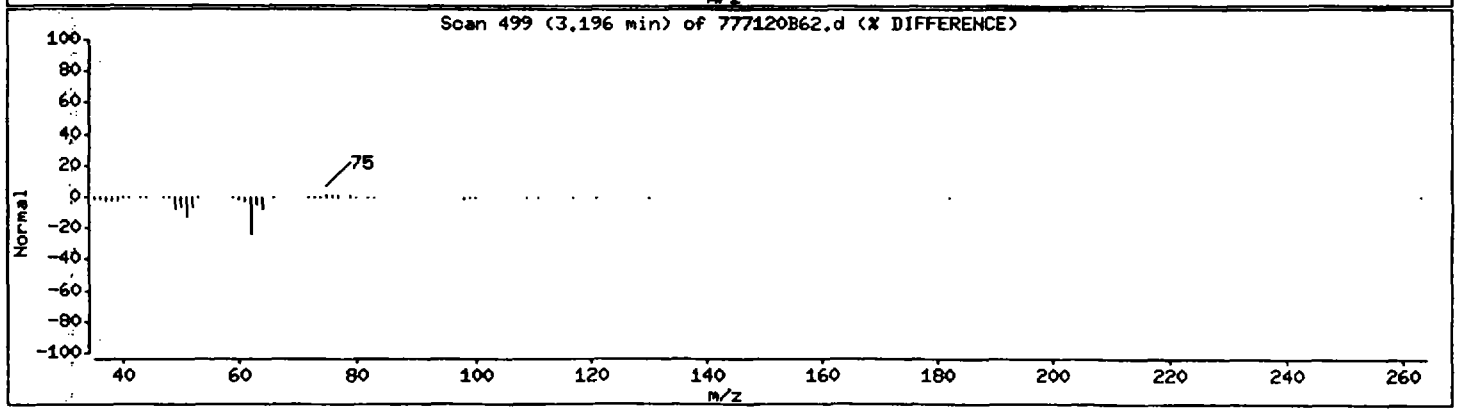
Column phase: RTX-VMS | Column diameter: 0.18

47 Benzene | Concentration: 7.5 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777120B62.d
Lab Smp Id: 777120 Client Smp ID: ACSGWDUP0226
Inj Date : 23-SEP-2005 02:31
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777120:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 40
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	3.615	1252735	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Propene, 2-methyl-				CAS #: 115-11-7			
0.784	146440	29.2239969	5.8	91	NBS129K.1	107982	1
Unknown				CAS #:			
1.068	149551	29.8448071	6.0	0		0	1
Furan, tetrahydro-				CAS #: 109-99-9			
2.771	1058173	211.172542	42	86	NBS129K.1	108255	1

Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d
Report Date: 23-Sep-2005 07:23

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1,4-Dioxane				CAS #: 123-91-1			
4.247	463019	92.4016533	18	91	NBS129K.l	108820	1

Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d

Date : 23-SEP-2005 02:31

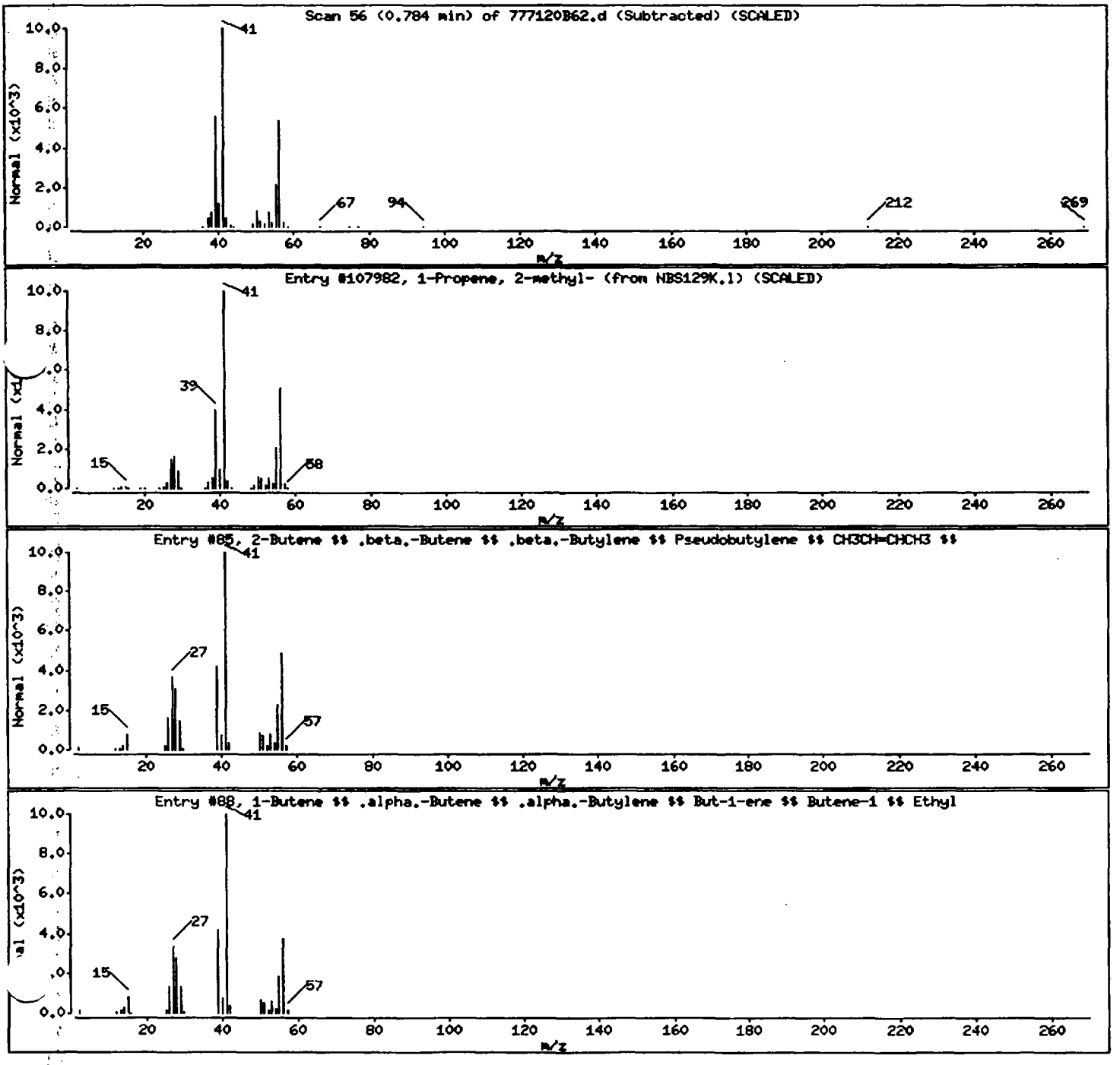
Client ID: ACSGWDUP0226 Instrument: 5973hp62.i

Sample Info: 777120:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Propene, 2-methyl-	115-11-7	NBS129K.l	107982	91	C4H8	56
2-Butene $$ .beta.-Butene $$ .beta.-Buty	107-01-7	NBS129K.l	85	64	C4H8	56
1-Butene $$ .alpha.-Butene $$ .alpha.-Bu	106-98-9	NBS129K.l	88	64	C4H8	56



Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d

Date : 23-SEP-2005 02:31

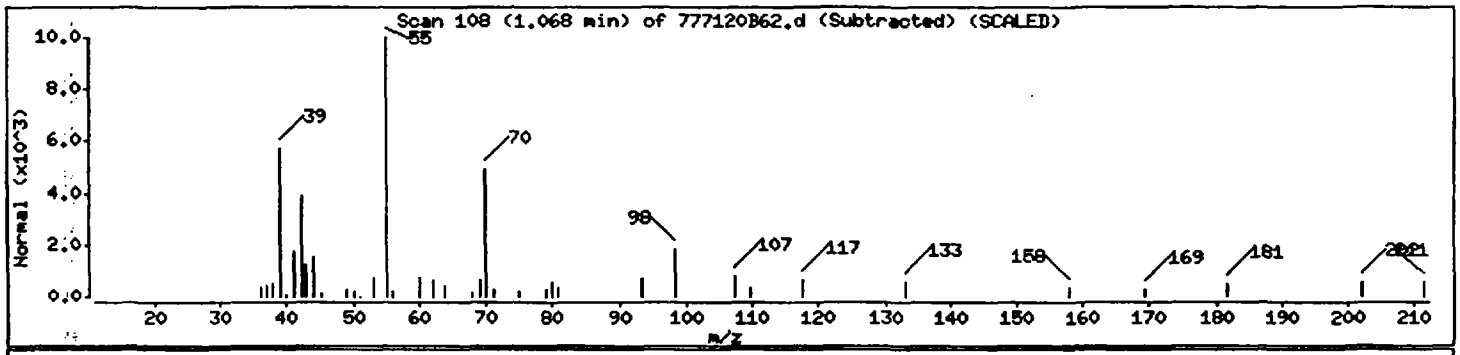
Client ID: ACSGWDUP0226 Instrument: 5973hp62.i

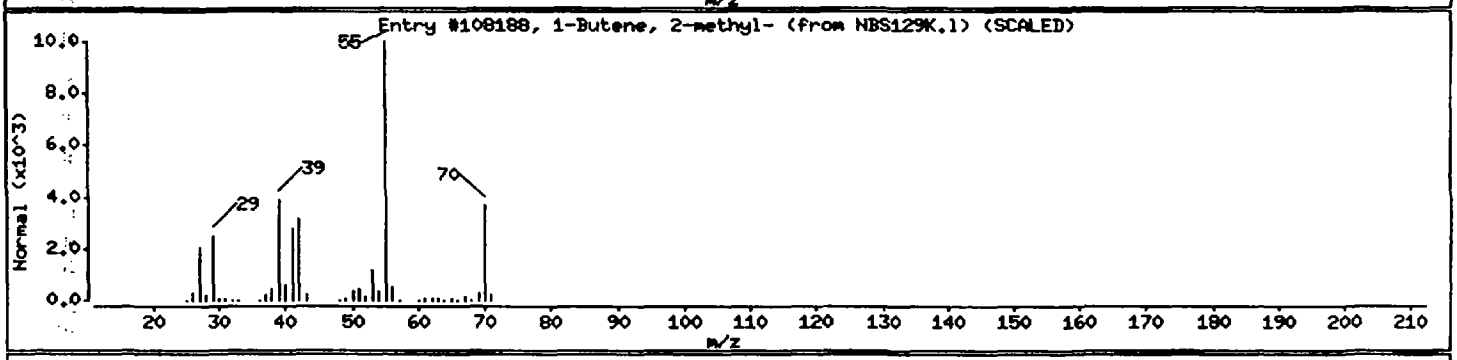
Sample Info: 777120:2323

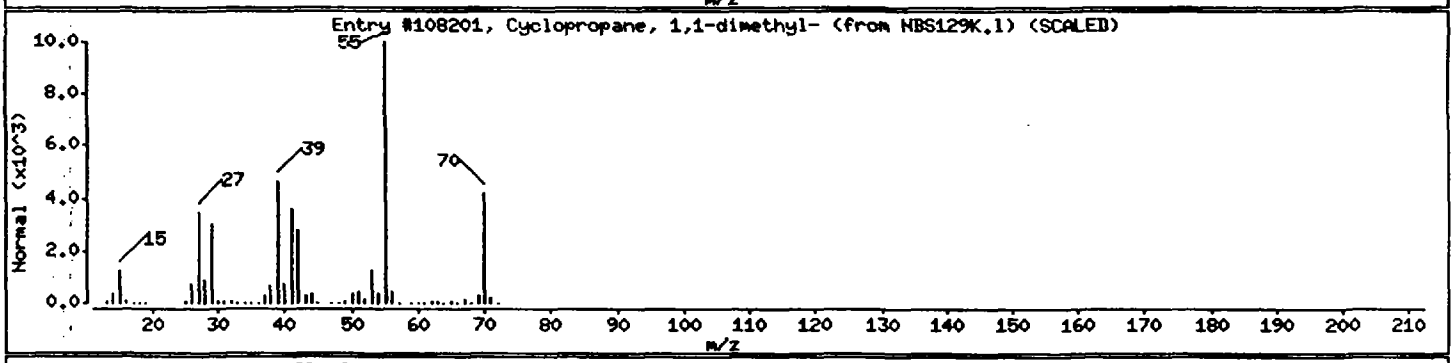
Purge Volume: 5.0 Operator: 2323

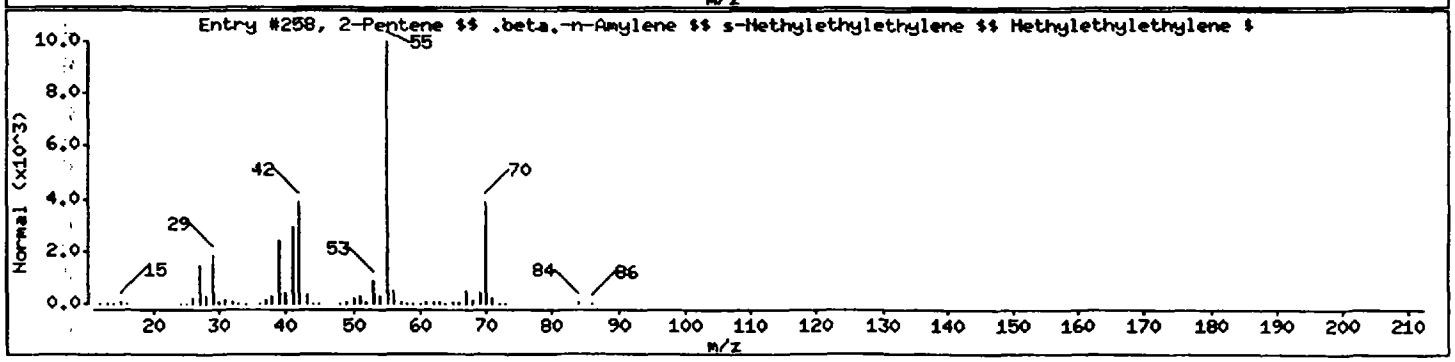
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Butene, 2-methyl-	563-46-2	NBS129K.l	108188	64	C5H10	70
Cyclopropane, 1,1-dimethyl-	1630-94-0	NBS129K.l	108201	50	C5H10	70
2-Pentene $$ .beta.-n-Amylene $$ s-Methy	109-68-2	NBS129K.l	258	46	C5H10	70









Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d

Date : 23-SEP-2005 02:31

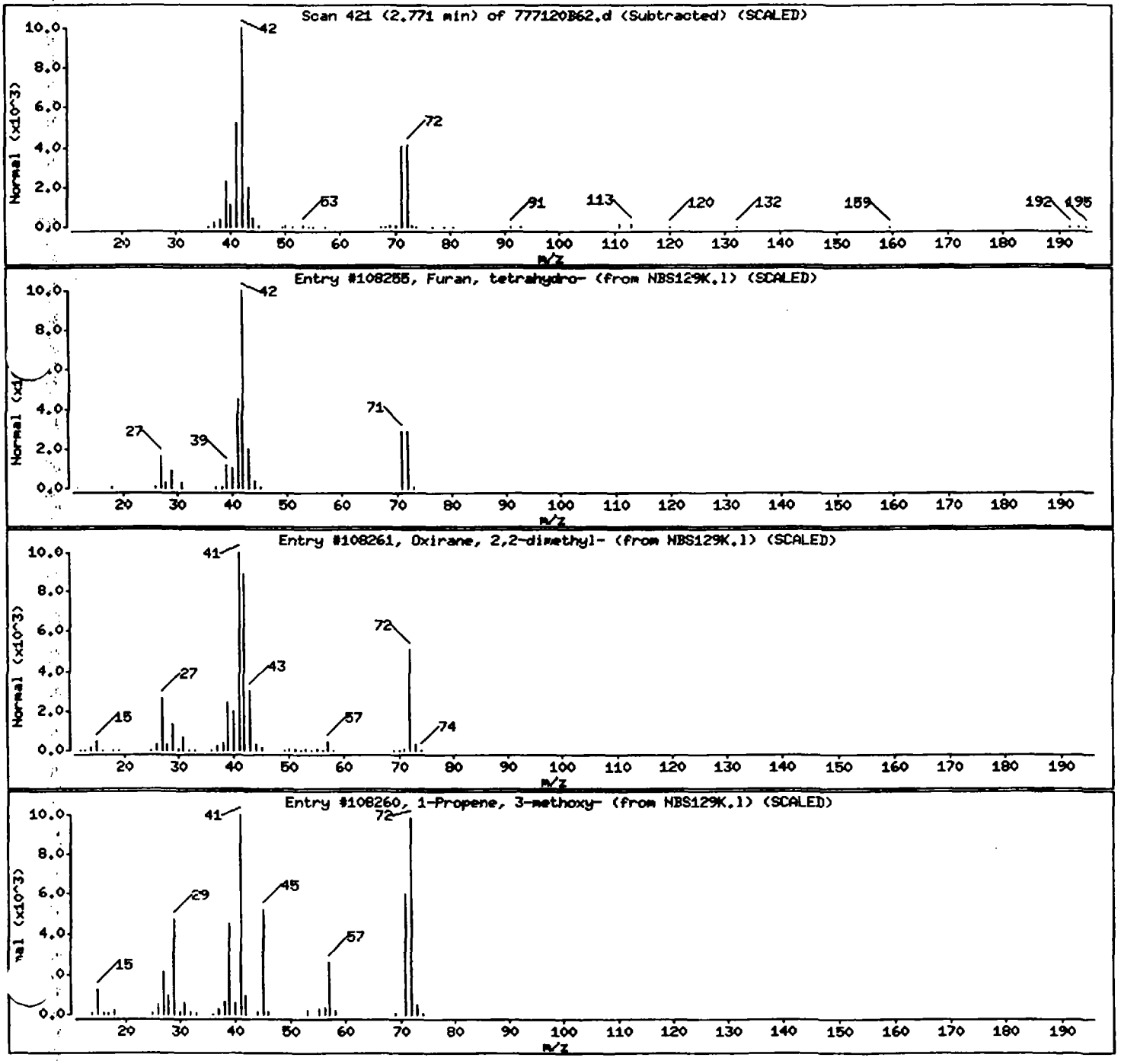
Client ID: ACSGWDUP0226 Instrument: 5973hp62.i

Sample Info: 777120:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108255	86	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	42	C4H8O	72
1-Propene, 3-methoxy-	627-40-7	NBS129K.l	108260	12	C4H8O	72



Data File: /chem/5973hp62.i/DF050922B62.b/777120B62.d

Date : 23-SEP-2005 02:31

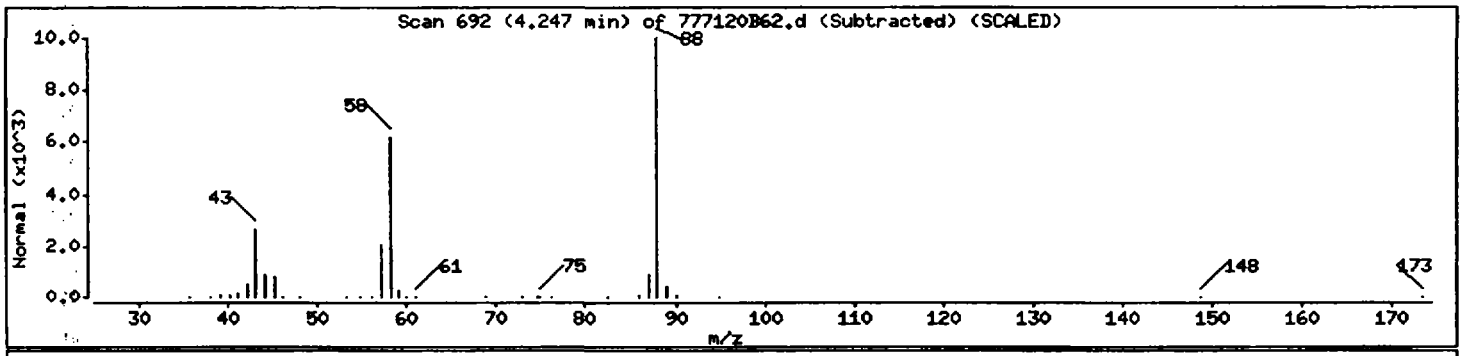
Client ID: ACSGWDUP0226 Instrument: 5973hp62.i

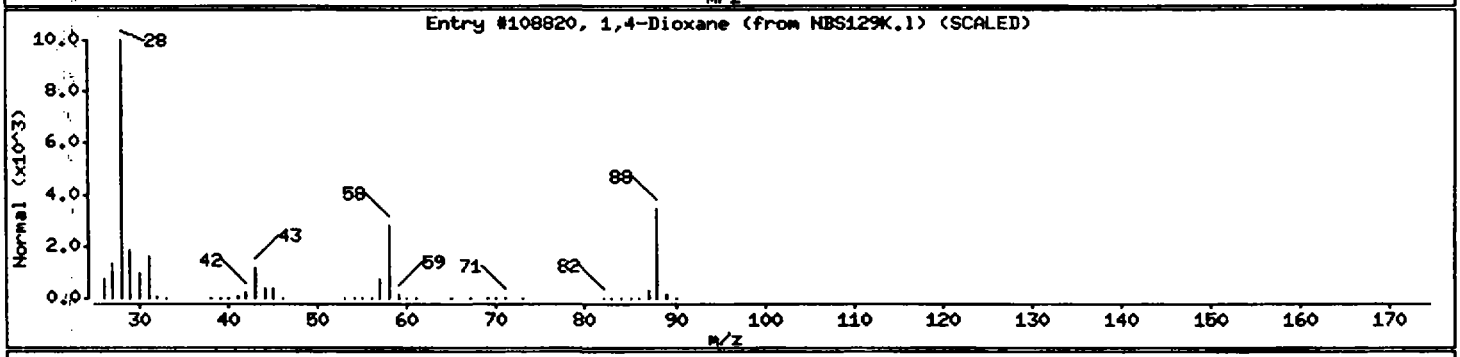
Sample Info: 777120:2323

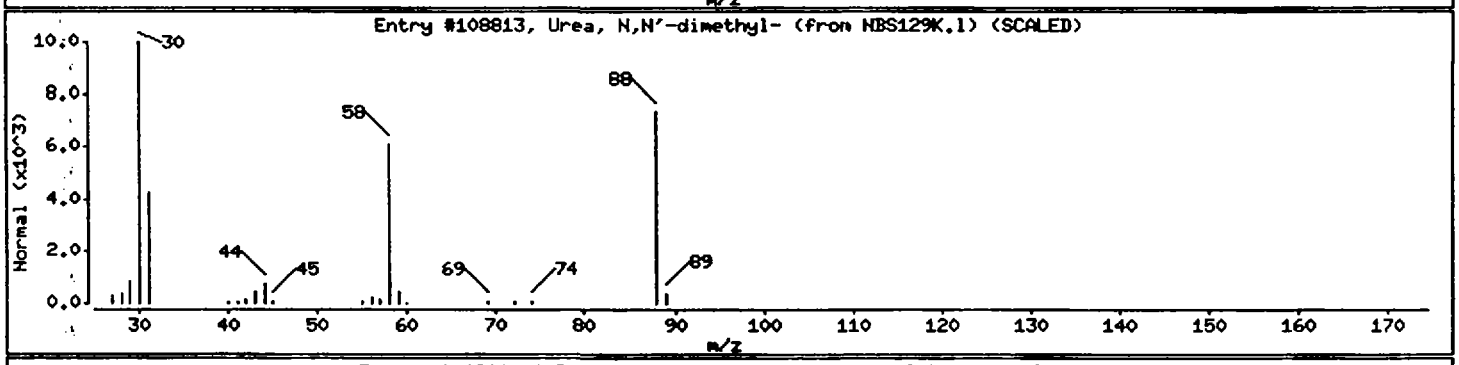
Purge Volume: 5.0 Operator: 2323

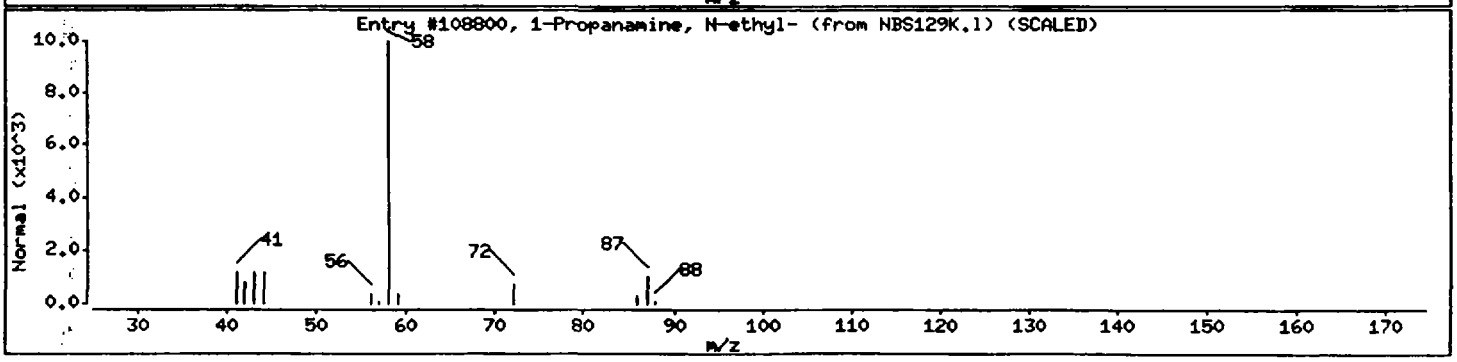
Column phase: RTX-VMS Column diameter: 0.18

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	16	C5H13N	87









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWEB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0126

b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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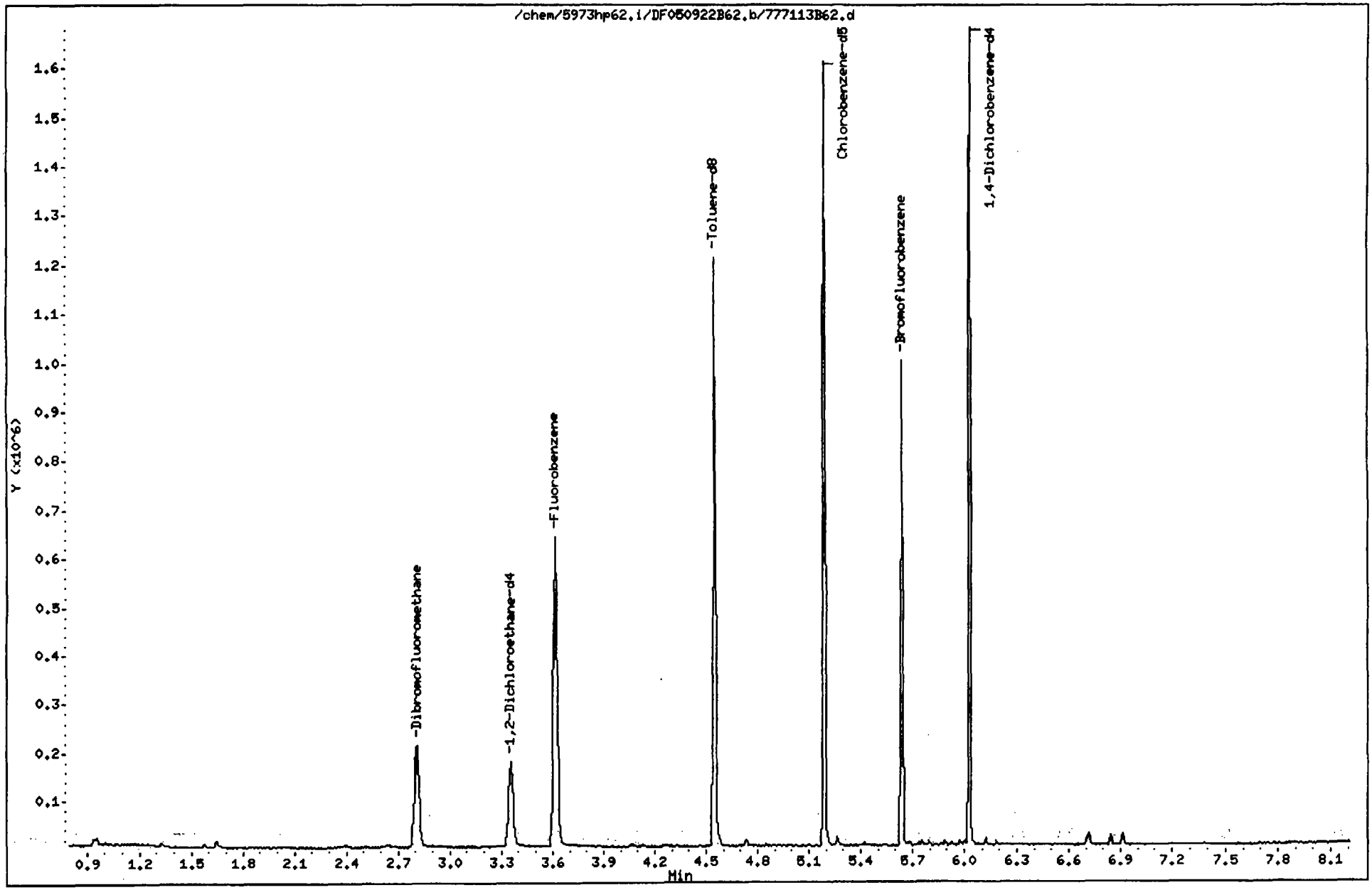
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777113B62.d
Date : 22-SEP-2005 21:23
Client ID: ACSGWEB0126
Sample Info: 777113:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777113B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777113B62.d
Lab Smp Id: 777113 Client Smp ID: ACSGWEB0126
Inj Date : 22-SEP-2005 21:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777113:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.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	3.621	3.620	(1.000)	527651	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	422248	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	217676	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	137229	201.416	40
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	124934	185.904	37
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	421681	239.598	48
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	172395	239.393	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.					

pr 9/26/05

Data File: /chem/5973hp62.i/DF050922B62.b/777113B62.d
Report Date: 23-Sep-2005 07:23

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/5973hp62.i/DF050922B62.b/777113B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777113B62.d
Lab Smp Id: 777113 Client Smp ID: ACSGWEB0126
Inj Date : 22-SEP-2005 21:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777113:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 16
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.

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0826

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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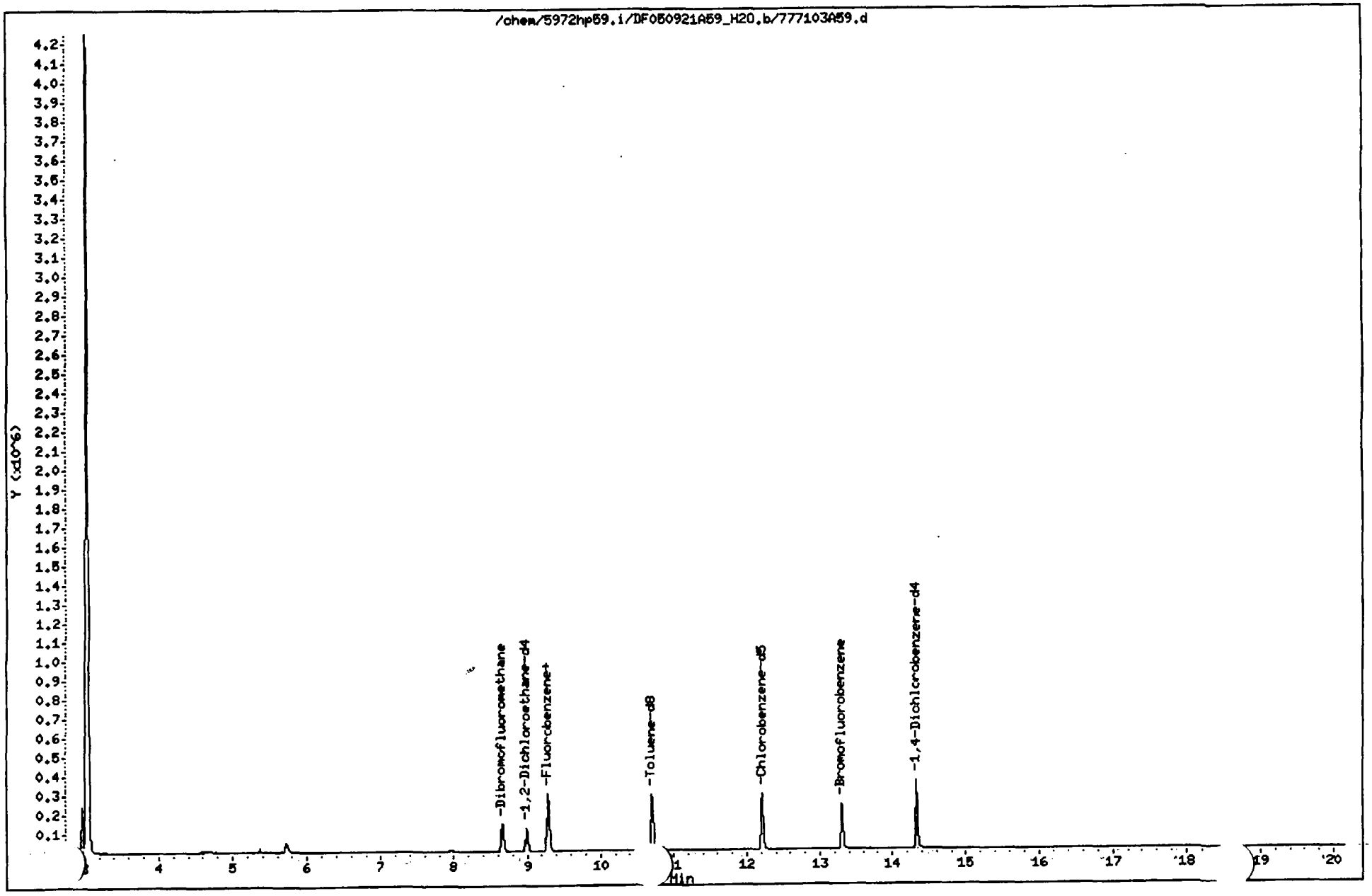
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777103A59.d
Date : 21-SEP-2005 18:59
Client ID: ACSGWMW0826
Sample Info: 777103:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777103A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777103A59.d
Lab Smp Id: 777103 Client Smp ID: ACSGWMW0826
Inj Date : 21-SEP-2005 18:59
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777103:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 16
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	9.285	9.281	(1.000)	339034	250.000	
* 2 Chlorobenzene-d5	117	12.217	12.213	(1.000)	225745	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.328	(1.000)	116761	250.000	
$ 4 Dibromofluoromethane	113	8.656	8.652	(0.932)	107966	257.209	51
$ 5 1,2-Dichloroethane-d4	65	8.990	8.986	(0.968)	103931	248.063	50
$ 6 Toluene-d8	98	10.712	10.708	(0.877)	293347	237.732	48
$ 7 Bromofluorobenzene	95	13.299	13.295	(0.928)	115729	226.450	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777103A59.d
Report Date: 22-Sep-2005 08:24

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.					
1,1,2-Trichloroethane	97	Compound Not Detected.					
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/DF050921A59_H2O.b/777103A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777103A59.d
Lab Smp Id: 777103 Client Smp ID: ACSGWMW0826
Inj Date : 21-SEP-2005 18:59
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777103:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 16
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.

ACSGWMW1126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW1126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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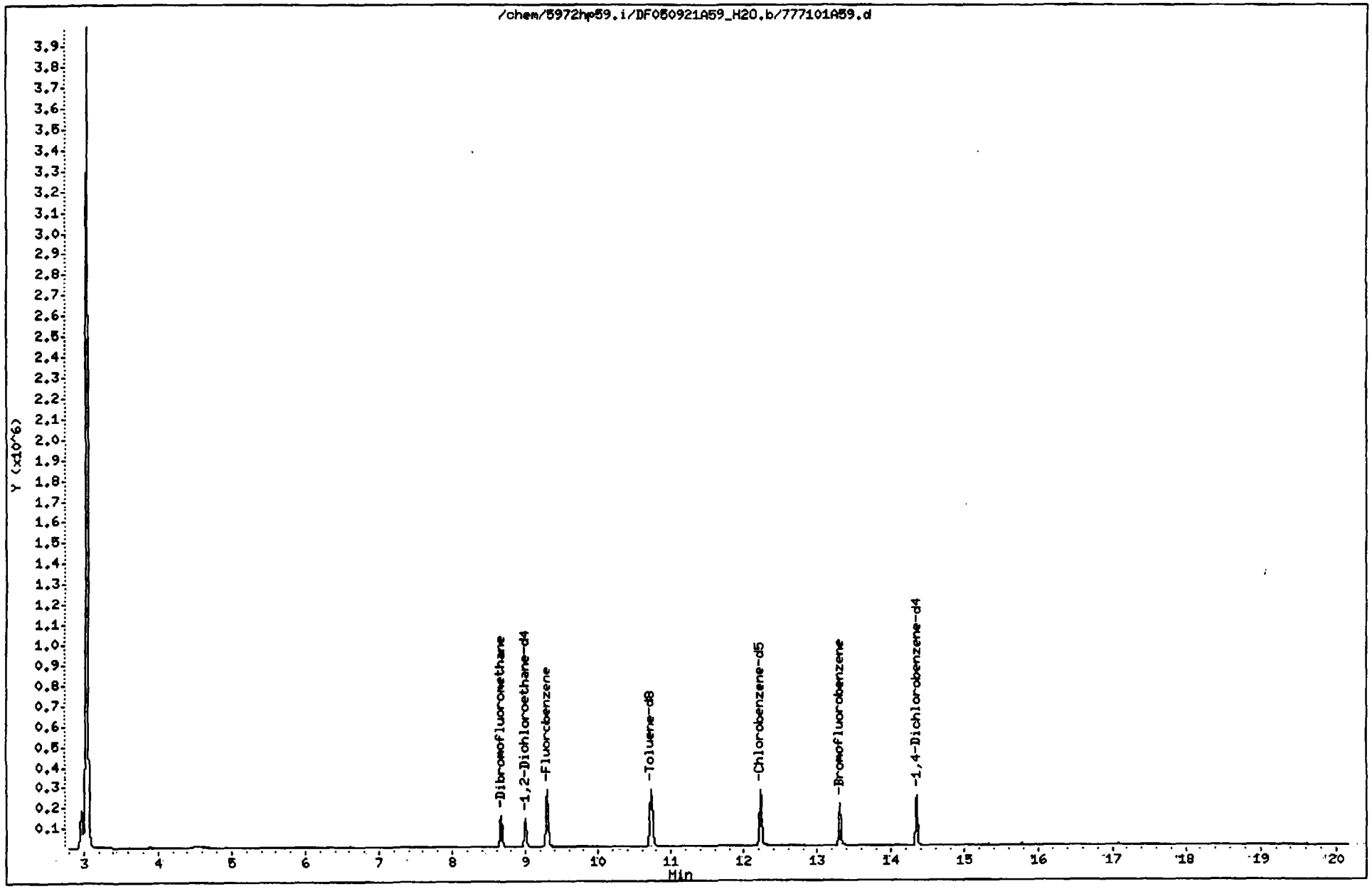
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H20.b/777101A59.d
Date : 21-SEP-2005 18:03
Client ID: ACSGWMW1126
Sample Info: 777101:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777101A59.d
Report Date: 22-Sep-2005 08:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777101A59.d
Lab Smp Id: 777101 Client Smp ID: ACSGWMW1126
Inj Date : 21-SEP-2005 18:03
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777101:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 14
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	9.290	9.281	(1.000)	355145	250.000	
* 2 Chlorobenzene-d5	117	12.222	12.213	(1.000)	216870	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.328	(1.000)	84448	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.652	(0.932)	113050	257.103	51
$ 5 1,2-Dichloroethane-d4	65	8.995	8.986	(0.968)	113834	259.374	52
$ 6 Toluene-d8	98	10.727	10.708	(0.878)	294963	248.824	50
$ 7 Bromofluorobenzene	95	13.304	13.295	(0.928)	104278	282.118	56
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.					

MIH 9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777101A59.d
Report Date: 22-Sep-2005 08:23

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/DF050921A59_H2O.b/777101A59.d
Report Date: 22-Sep-2005 08:38

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777101A59.d
Lab Smp Id: 777101 Client Smp ID: ACSGWMW1126
Inj Date : 21-SEP-2005 18:03
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777101:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 14
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.

ACSGWMW1726

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW1726

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW1726

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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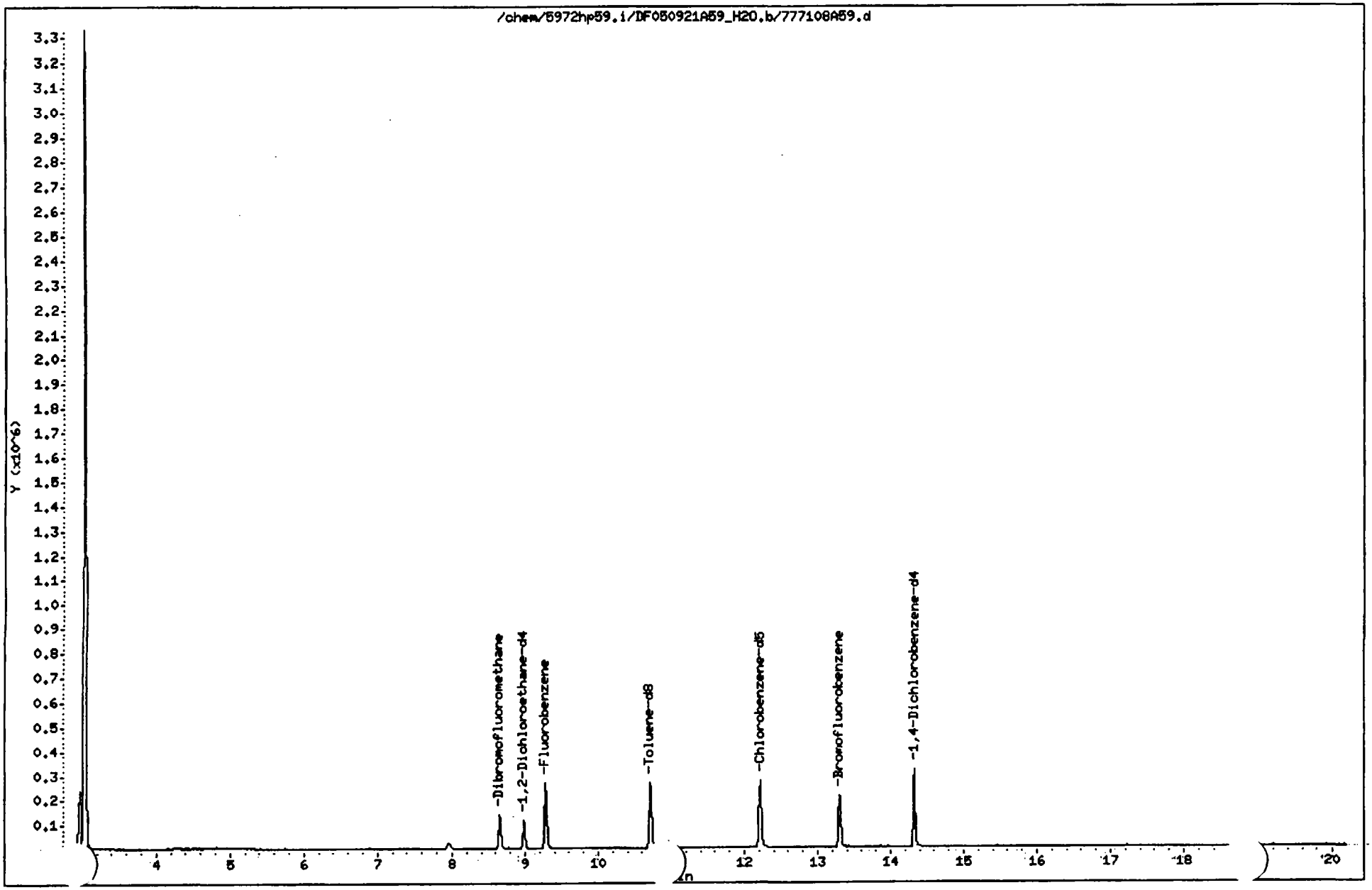
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777108A59.d
Date : 21-SEP-2005 21:20
Client ID: ACSGWMW1726
Sample Info: 777108;2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777108A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777108A59.d
Lab Smp Id: 777108 Client Smp ID: ACSGWMW1726
Inj Date : 21-SEP-2005 21:20
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777108:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 21
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	9.283	9.281	(1.000)	312683	250.000	
* 2 Chlorobenzene-d5	117	12.214	12.213	(1.000)	201690	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.329	14.328	(1.000)	101813	250.000	
$ 4 Dibromofluoromethane	113	8.653	8.652	(0.932)	98974	255.658	51
$ 5 1,2-Dichloroethane-d4	65	8.988	8.986	(0.968)	99838	258.375	52
$ 6 Toluene-d8	98	10.709	10.708	(0.877)	265781	241.082	48
$ 7 Bromofluorobenzene	95	13.297	13.295	(0.928)	101611	228.016	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.					

MMT 9-22-c

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777108A59.d
Report Date: 22-Sep-2005 08:24

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.					
Tetrachloroethene	164	Compound Not Detected.					
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/DF050921A59_H2O.b/777108A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777108A59.d
Lab Smp Id: 777108 Client Smp ID: ACSGWMW1726
Inj Date : 21-SEP-2005 21:20
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777108:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 21
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.

ACSGWMW2326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW2326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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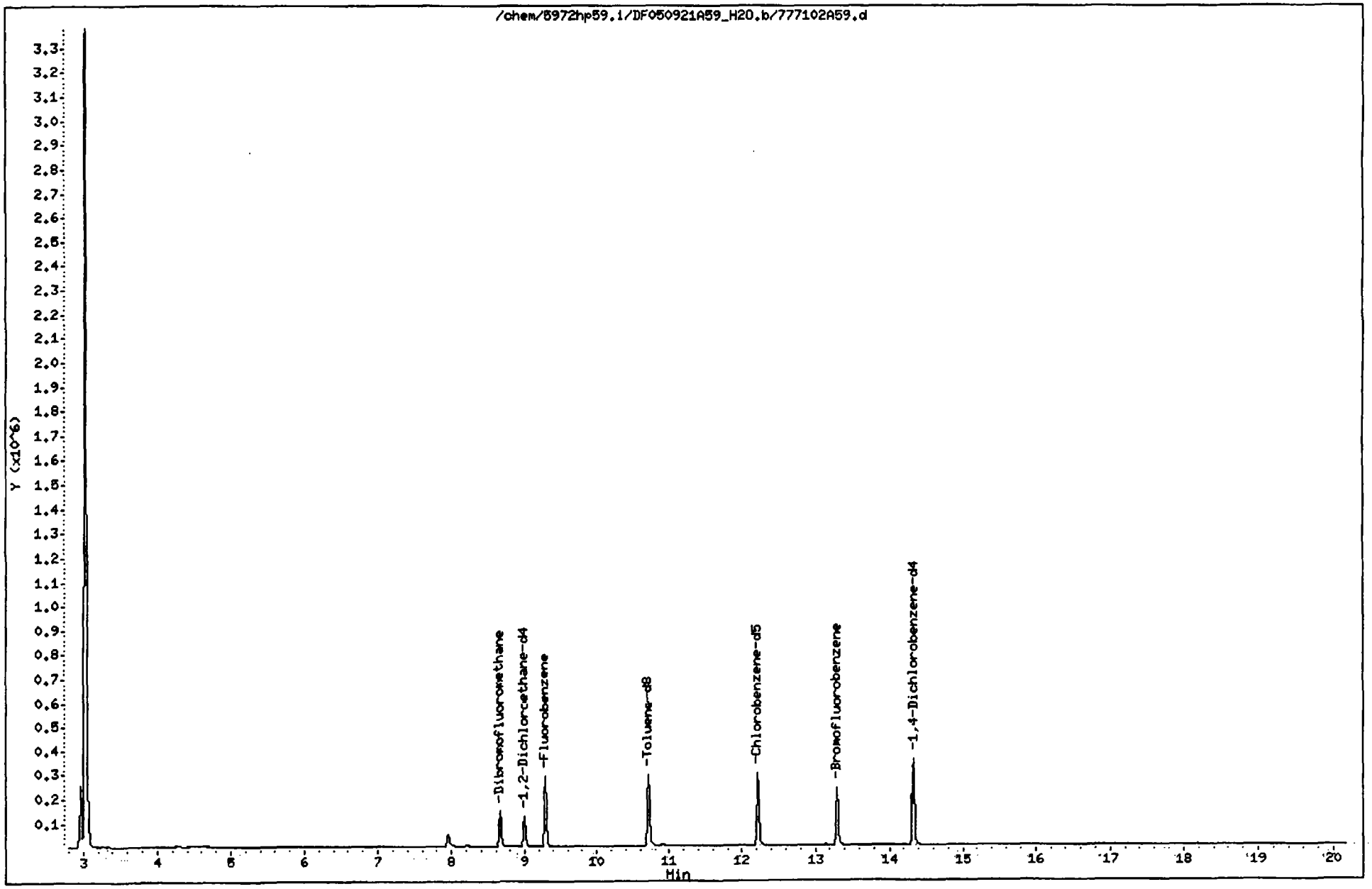
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777102A59.d
Date : 21-SEP-2005 18:31
Client ID: ACSGWMW2326
Sample Info: 777102:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777102A59.d
Report Date: 22-Sep-2005 08:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777102A59.d
Lab Smp Id: 777102 Client Smp ID: ACSGWMW2326
Inj Date : 21-SEP-2005 18:31
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777102:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.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)	FINAL (ug/L)
* 1 Fluorobenzene	96	9.286	9.281	(1.000)	353560	250.000	
* 2 Chlorobenzene-d5	117	12.217	12.213	(1.000)	229967	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.328	(1.000)	117396	250.000	
$ 4 Dibromofluoromethane	113	8.666	8.652	(0.933)	108885	248.741	50
$ 5 1,2-Dichloroethane-d4	65	8.990	8.986	(0.968)	106779	244.389	49
$ 6 Toluene-d8	98	10.722	10.708	(0.878)	299861	238.550	48
$ 7 Bromofluorobenzene	95	13.299	13.295	(0.928)	119949	233.438	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

MJH 9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777102A59.d
Report Date: 22-Sep-2005 08:23

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/DF050921A59_H2O.b/777102A59.d
Report Date: 22-Sep-2005 08:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777102A59.d
Lab Smp Id: 777102 Client Smp ID: ACSGWMW2326
Inj Date : 21-SEP-2005 18:31
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777102:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 15
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.

ACSGWMW2826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW2826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2826

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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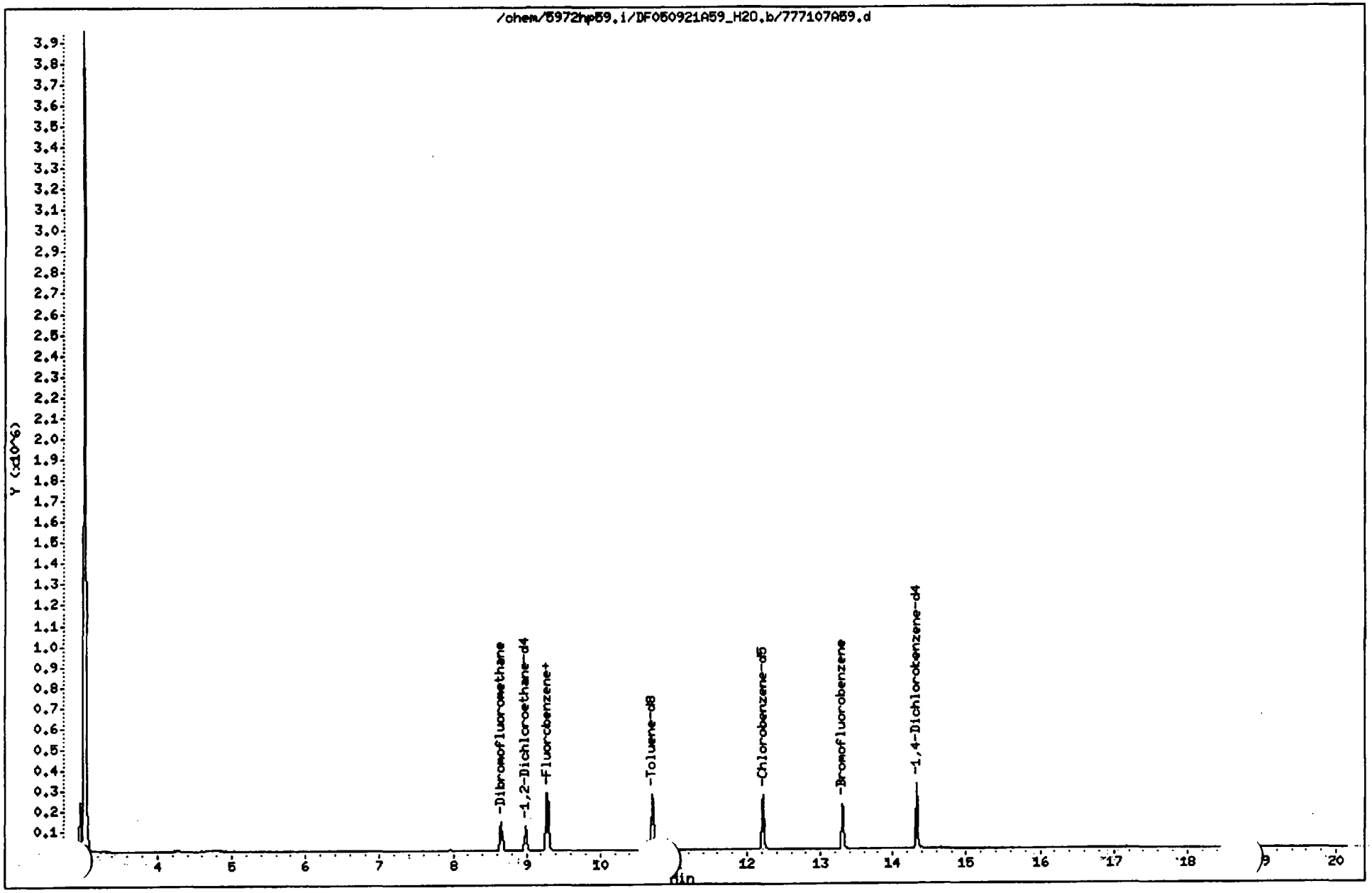
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777107A59.d
Date : 21-SEP-2005 20:52
Client ID: ACSGWMW2826
Sample Info: 777107:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777107A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777107A59.d
Lab Smp Id: 777107 Client Smp ID: ACSGWMW2826
Inj Date : 21-SEP-2005 20:52
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777107:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 20
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	9.284	9.281	(1.000)	324947	250.000	
* 2 Chlorobenzene-d5	117	12.216	12.213	(1.000)	204734	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.331	14.328	(1.000)	102640	250.000	
$ 4 Dibromofluoromethane	113	8.655	8.652	(0.932)	99799	248.059	50
$ 5 1,2-Dichloroethane-d4	65	8.989	8.986	(0.968)	97953	243.930	49
$ 6 Toluene-d8	98	10.711	10.708	(0.877)	268674	240.082	48
$ 7 Bromofluorobenzene	95	13.298	13.295	(0.928)	104003	231.503	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.					

MJK 9-22-C

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777107A59.d
Report Date: 22-Sep-2005 08:24

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.					
Tetrachloroethene	164	Compound Not Detected.					
4 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/DF050921A59_H2O.b/777107A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777107A59.d
Lab Smp Id: 777107 Client Smp ID: ACSGWMW2826
Inj Date : 21-SEP-2005 20:52
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777107:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 20
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.

ACSGWMW3026

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	4.0	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.

ACSGWMW3026

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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	1.18	8.9	NJ
2. 123-91-1	1,4-DIOXANE	4.25	6.1	NJ
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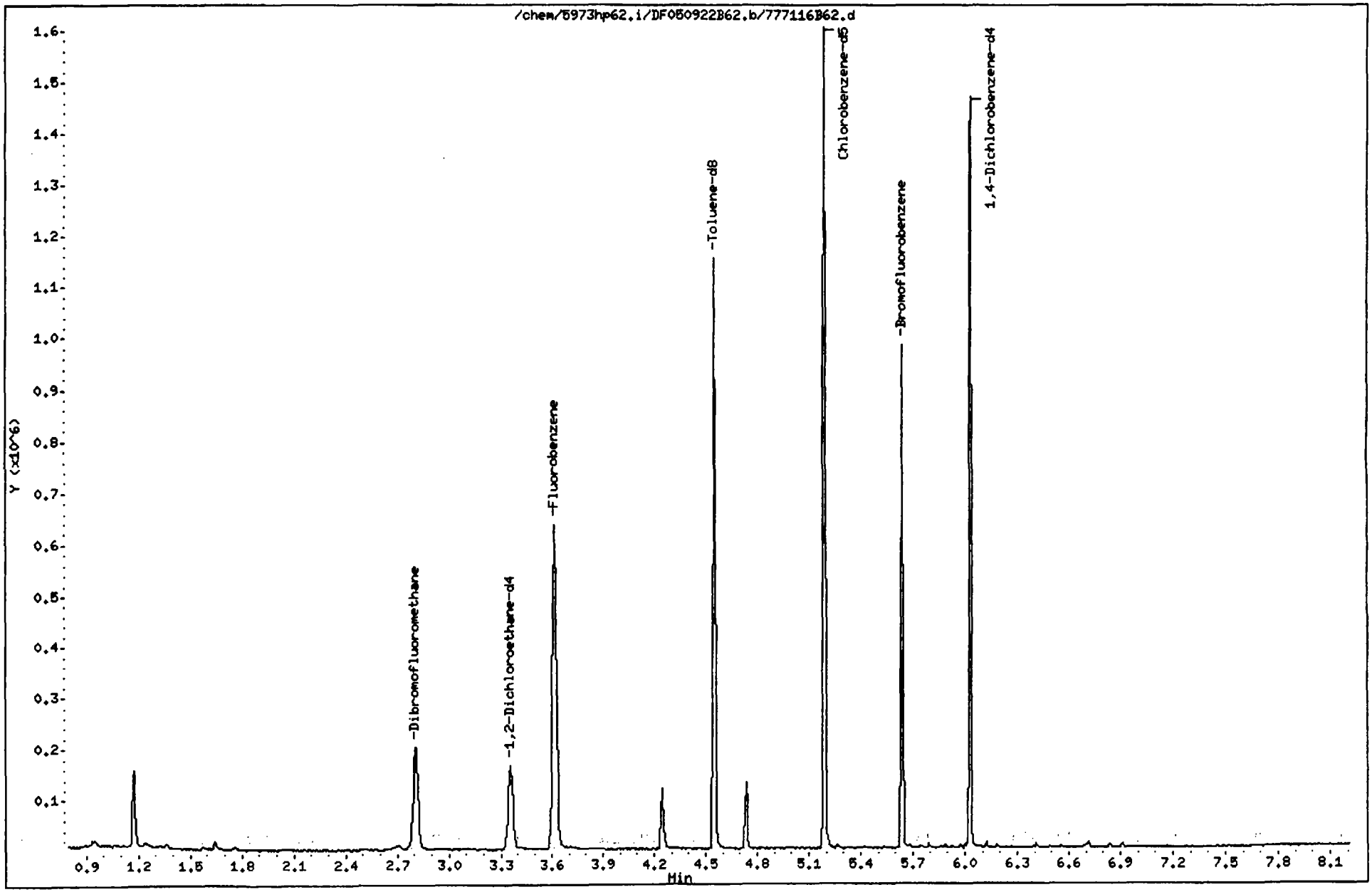
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d
Date : 23-SEP-2005 01:11
Client ID: ACSGWMW3026
Sample Info: 777116:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d
F ort Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777116B62.d
Lab Smp Id: 777116 Client Smp ID: ACSGWMW3026
Inj Date : 23-SEP-2005 01:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777116:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 32
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	3.615	3.620	(1.000)	517820	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	418232	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	207231	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.776)	129843	194.193	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.928)	125213	189.857	38
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	409509	234.917	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	164603	240.094	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.					

9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d
Report Date: 23-Sep-2005 07:23

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	4.736	4.736	(0.913)	16407	20.0522	4.0(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/5973hp62.i/DF050922B62.b/777116B62.d

Date : 23-SEP-2005 01:11

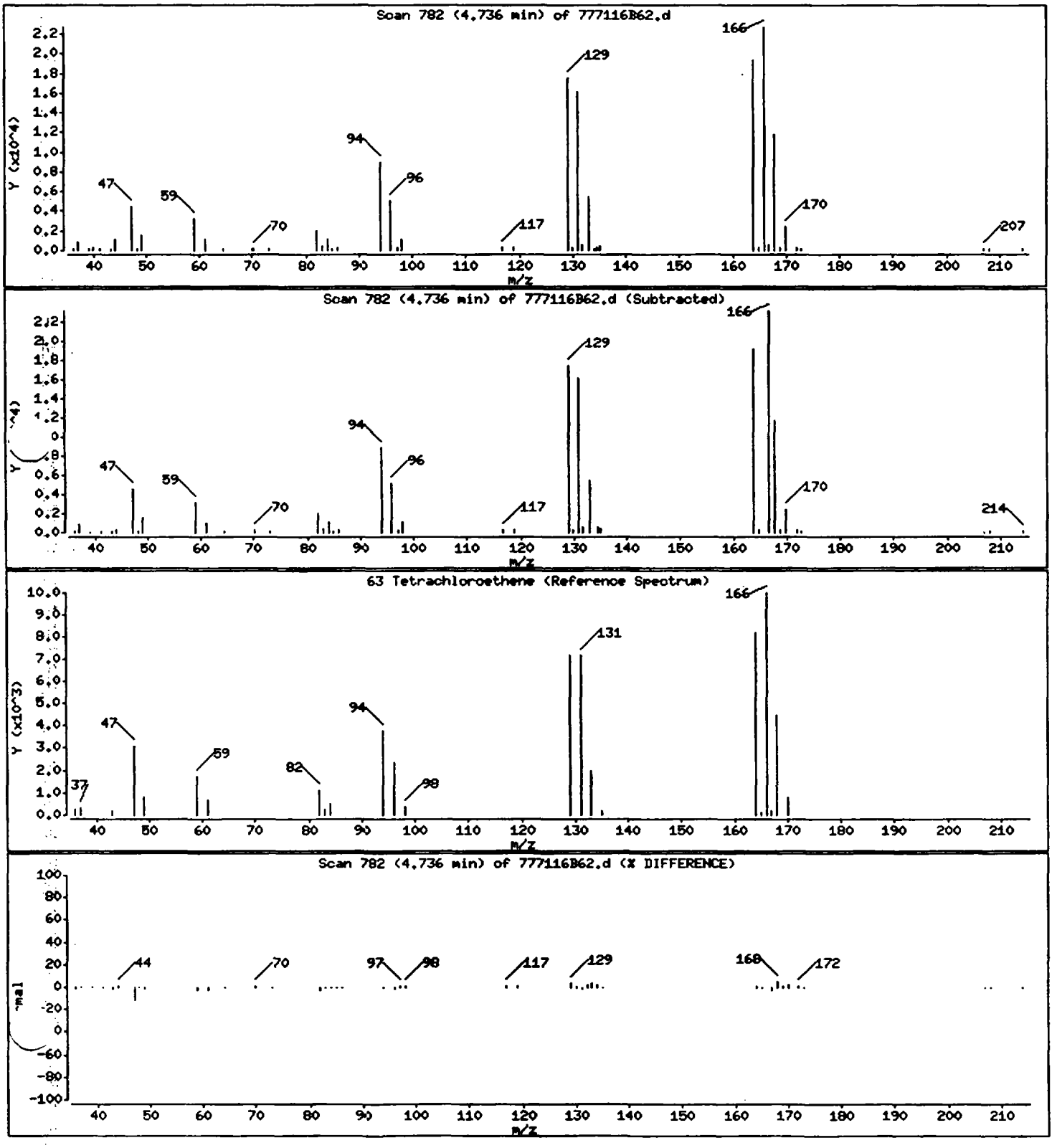
Client ID: ACSGWMW3026 | Instrument: 5973hp62.i

Sample Info: 777116:2323

Purge Volume: 5.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

63 Tetrachloroethene | Concentration: 4.0 ug/L



Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777116B62.d
Lab Smp Id: 777116 Client Smp ID: ACSGWMW3026
Inj Date : 23-SEP-2005 01:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777116:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 32
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	3.615	1062532	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether				CAS #: 60-29-7			
1.176	189911	44.6836456	8.9	90	NBS129K.1	108348	1
1,4-Dioxane				CAS #: 123-91-1			
4.247	130486	30.7015936	6.1	91	NBS129K.1	108821	1

Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d

Date : 23-SEP-2005 01:11

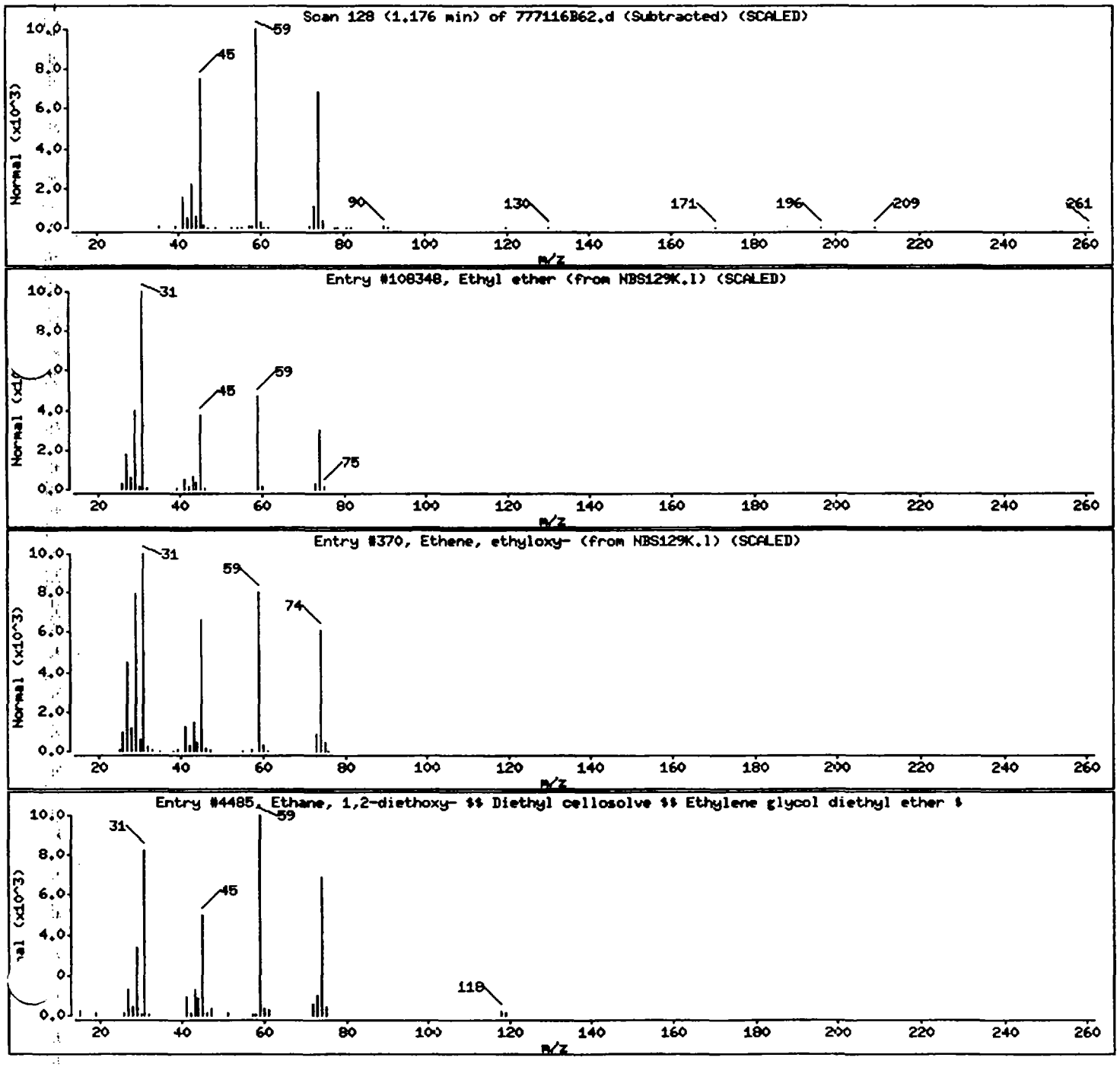
Client ID: ACSGWMW3026 Instrument: 5973hp62.i

Sample Info: 777116;2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

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- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	42	C6H14O2	118



Data File: /chem/5973hp62.i/DF050922B62.b/777116B62.d

Date : 23-SEP-2005 01:11

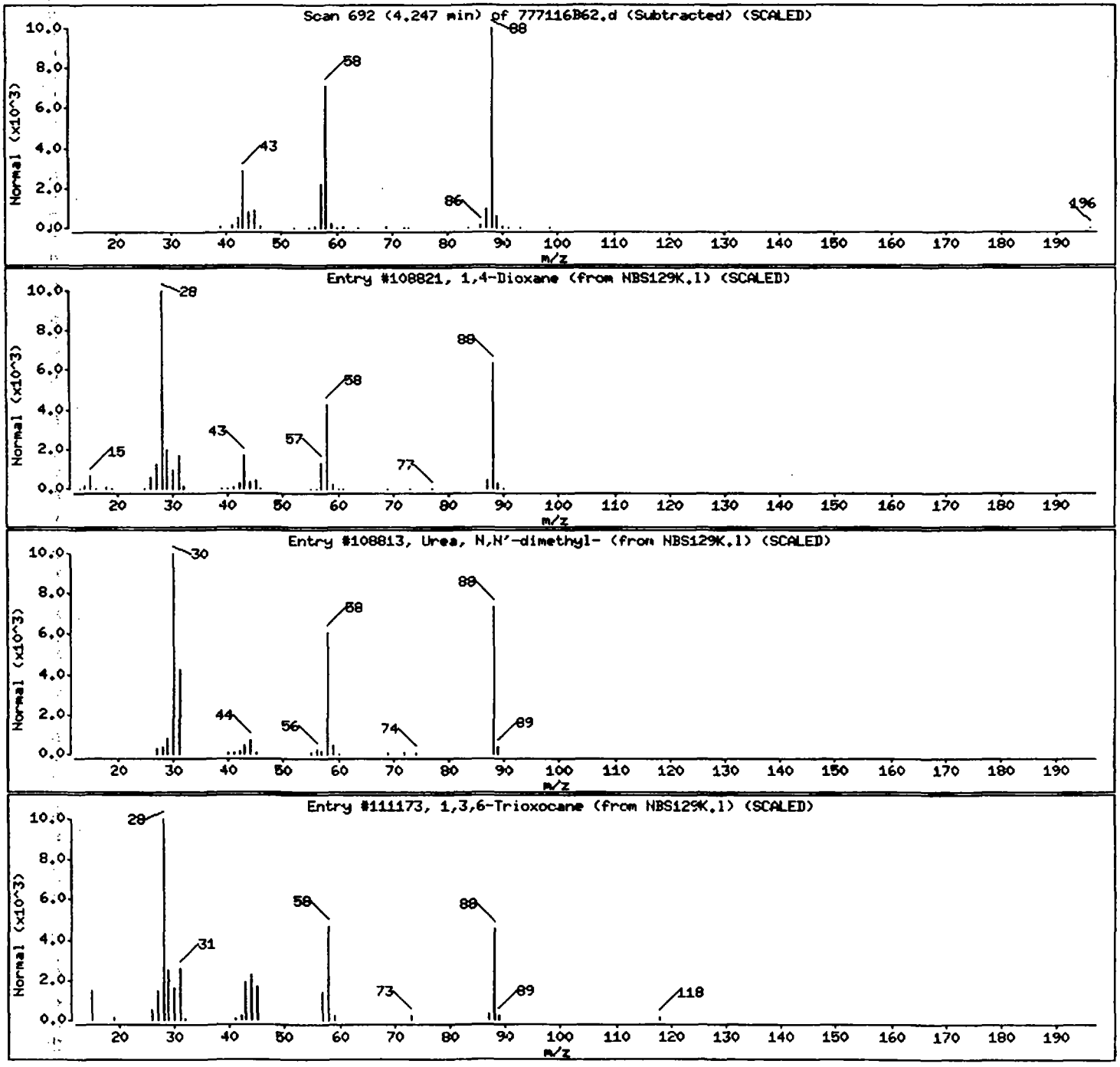
Client ID: ACSGWMW3026 | Instrument: 5973hp62.i

Sample Info: 777116:2323

Purge Volume: 5.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108821	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	50	C3H8N2O	88
1,3,6-Trioxocane	1779-19-7	NBS129K.l	111173	43	C5H10O3	118



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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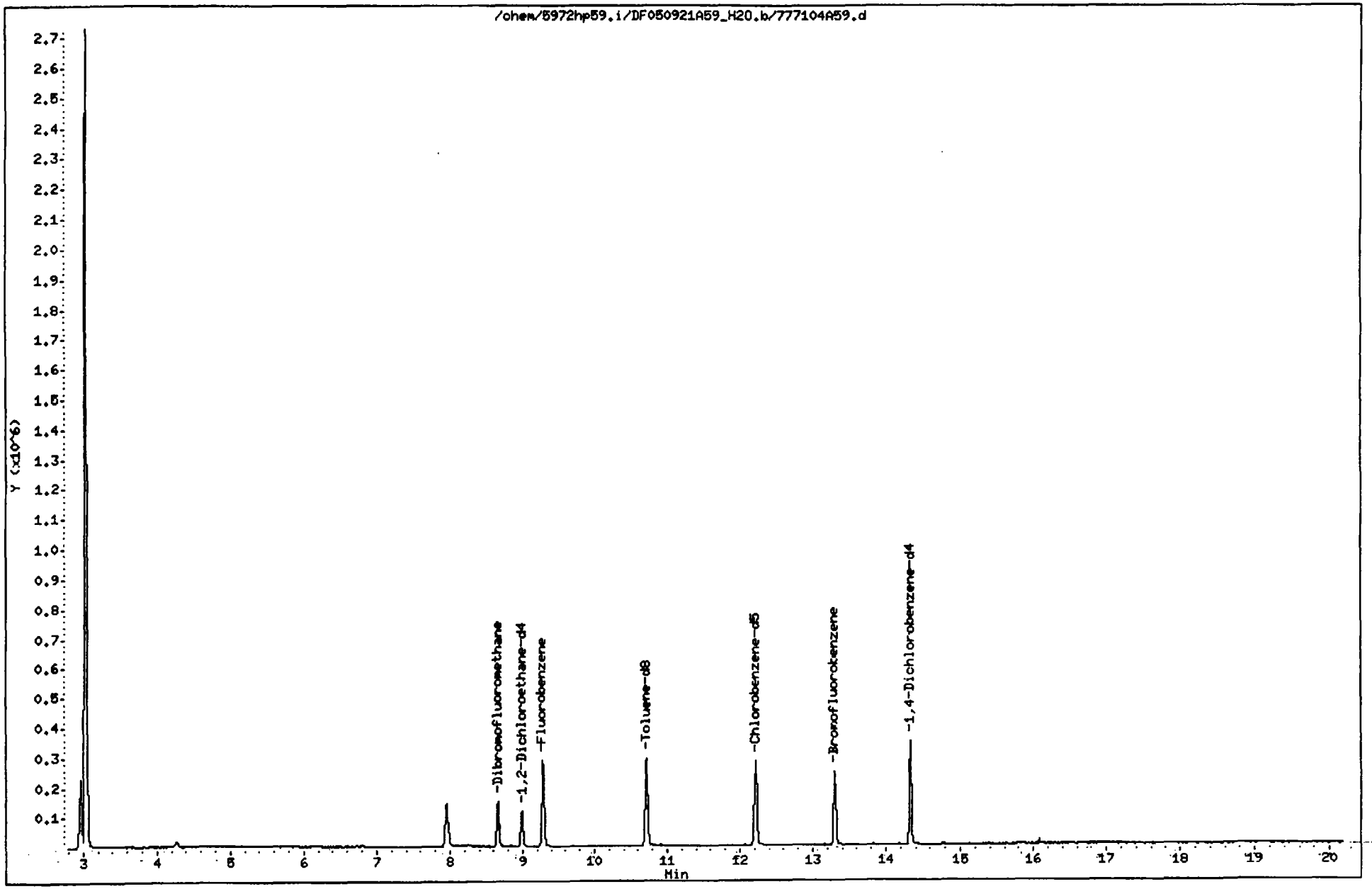
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H20.b/777104A59.d
Date : 21-SEP-2005 19:27
Client ID: ACSGWMW3126
Sample Info: 777104:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777104A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777104A59.d
Lab Smp Id: 777104 Client Smp ID: ACSGWMW3126
Inj Date : 21-SEP-2005 19:27
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777104:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 17
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	9.281	9.281	(1.000)	341154	250.000	
* 2 Chlorobenzene-d5	117	12.213	12.213	(1.000)	219455	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.328	14.328	(1.000)	110862	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.652	(0.933)	105226	249.123	50
$ 5 1,2-Dichloroethane-d4	65	8.996	8.986	(0.969)	101222	240.096	48
$ 6 Toluene-d8	98	10.717	10.708	(0.878)	288560	240.555	48
$ 7 Bromofluorobenzene	95	13.305	13.295	(0.929)	111317	229.407	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.					

MIH 9-27-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777104A59.d
Report Date: 22-Sep-2005 08:24

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/DF050921A59_H2O.b/777104A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777104A59.d
Lab Smp Id: 777104 Client Smp ID: ACSGWMW3126
Inj Date : 21-SEP-2005 19:27
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777104:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 17
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.

ACSGWMW3226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3226

ıb Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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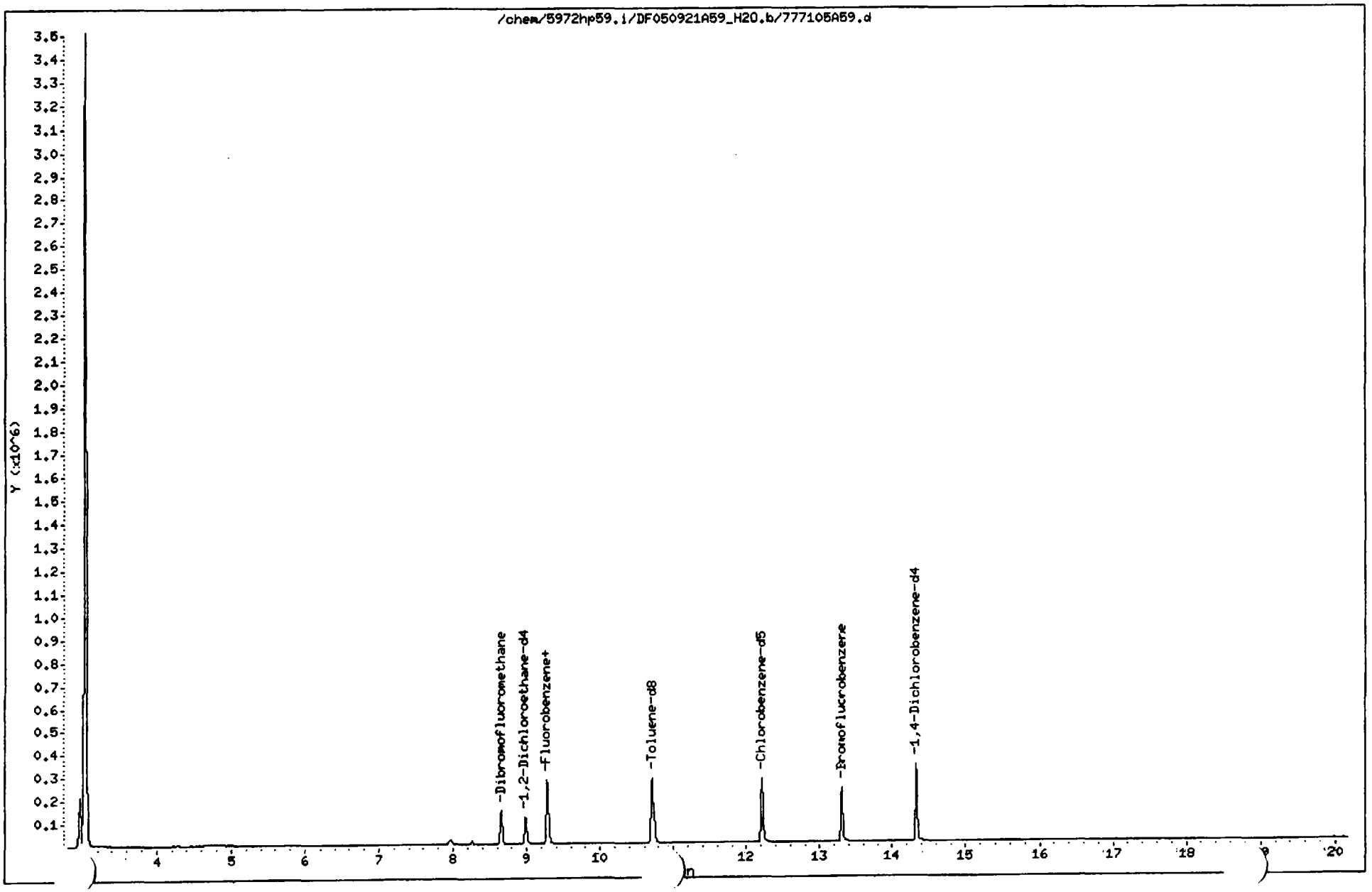
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777105A59.d
Date : 21-SEP-2005 19:55
Client ID: ACSGWMW3226
Sample Info: 777105:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777105A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777105A59.d
Lab Smp Id: 777105 Client Smp ID: ACSGWMW3226
Inj Date : 21-SEP-2005 19:55
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777105:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 18
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	9.280	9.281	(1.000)	330538	250.000	
* 2 Chlorobenzene-d5	117	12.212	12.213	(1.000)	215766	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.327	14.328	(1.000)	109030	250.000	
$ 4 Dibromofluoromethane	113	8.660	8.652	(0.933)	103458	252.804	51
$ 5 1,2-Dichloroethane-d4	65	8.985	8.986	(0.968)	99813	244.357	49
$ 6 Toluene-d8	98	10.717	10.708	(0.878)	282317	239.375	48
$ 7 Bromofluorobenzene	95	13.304	13.295	(0.929)	109069	228.551	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.					

Amt
9-27-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777105A59.d
Report Date: 22-Sep-2005 08:24

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.					
3 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/DF050921A59_H2O.b/777105A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777105A59.d
Lab Smp Id: 777105 Client Smp ID: ACSGWMW3226
Inj Date : 21-SEP-2005 19:55
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777105:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 18
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.

ACSGWMW3326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW3326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 109-99-9	FURAN, TETRAHYDRO-	2.77	130	NJ
2. 123-91-1	1,4-DIOXANE	4.25	12	NJ
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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13.				
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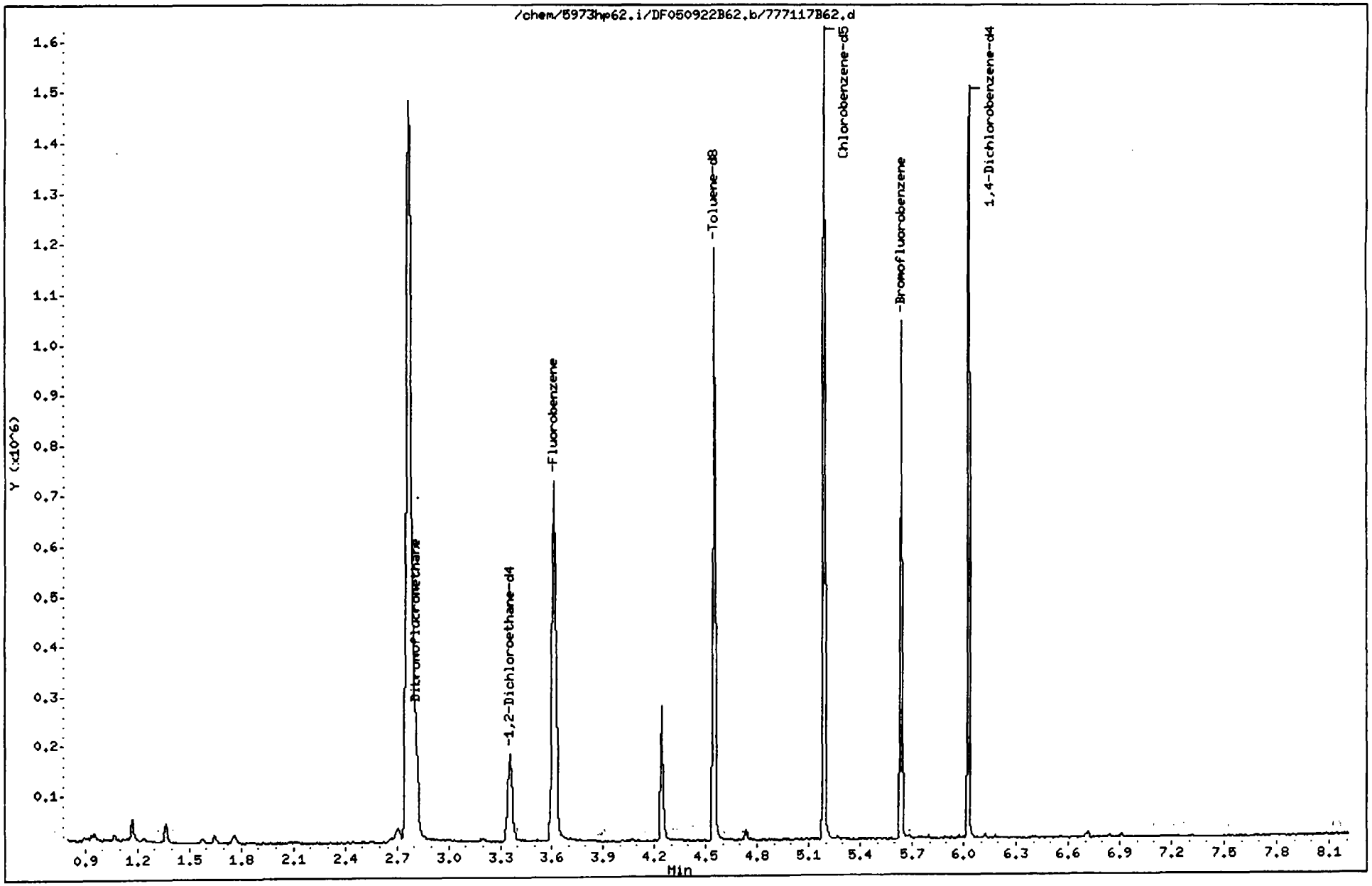
30.				

FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777117B62.d
Date : 23-SEP-2005 01:31
Client ID: ACSGWMW3326
Sample Info: 777117:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777117B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777117B62.d
Lab Smp Id: 777117 Client Smp ID: ACSGWMW3326
Inj Date : 23-SEP-2005 01:31
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777117:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 34
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	3.621	3.620	(1.000)	536437	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	423039	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	213200	250.000	
$ 4 Dibromofluoromethane	113	2.810	2.809	(0.776)	132441	191.205	38
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	129931	190.173	38
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	415493	235.641	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	168309	238.626	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.					

9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777117B62.d
Report Date: 23-Sep-2005 07:23

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/5973hp62.i/DF050922B62.b/777117B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777117B62.d
Lab Smp Id: 777117 Client Smp ID: ACSGWMW3326
Inj Date : 23-SEP-2005 01:31
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777117:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 34
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	3.621	1239517	250.000

	CONCENTRATIONS				QUANT			
	RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Furan, tetrahydro-					CAS #: 109-99-9			
	2.766	3307849	667.164825	130	90	NBS129K.l	108255	1
1,4-Dioxane					CAS #: 123-91-1			
	4.247	294399	59.3777713	12	91	NBS129K.l	108821	1

Data File: /chem/5973hp62.i/DF050922B62.b/777117B62.d

Date : 23-SEP-2005 01:31

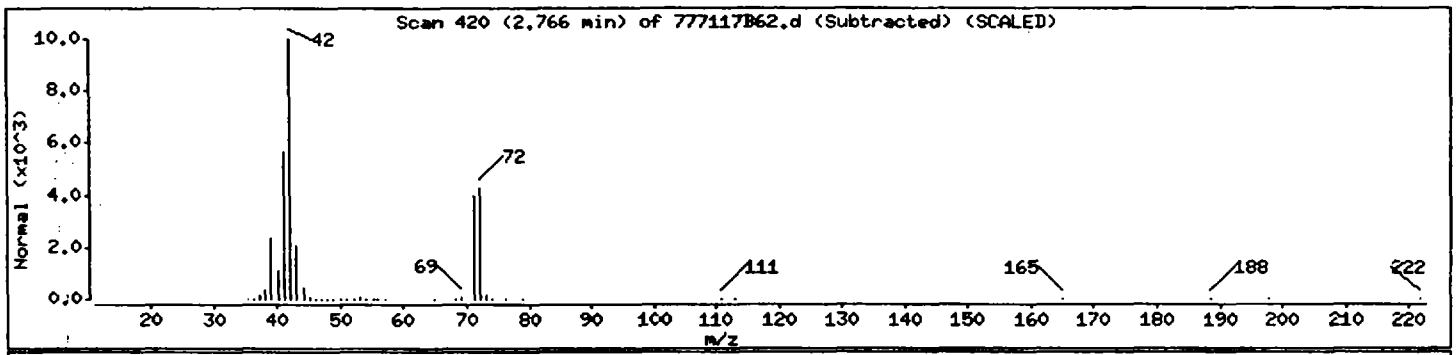
Client ID: ACSGWHW3326 Instrument: 5973hp62.i

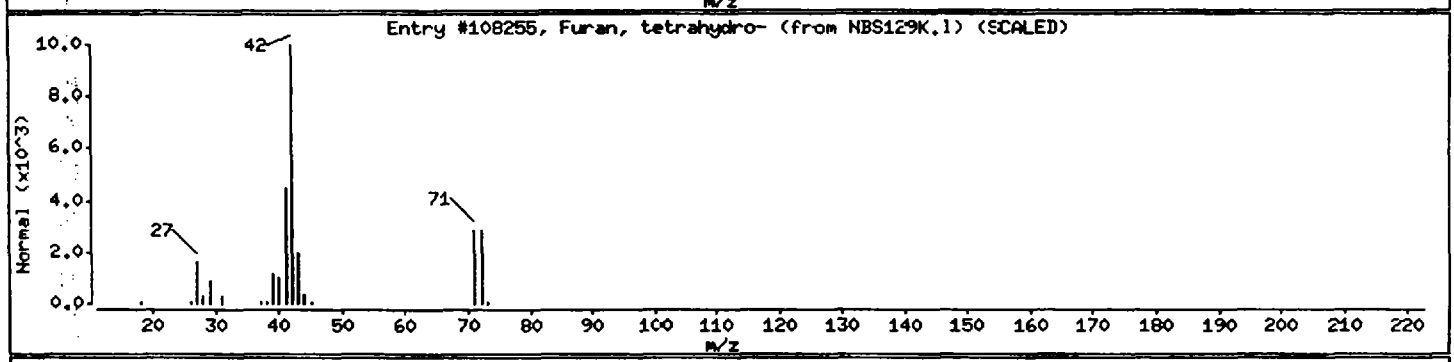
Sample Info: 777117:2323

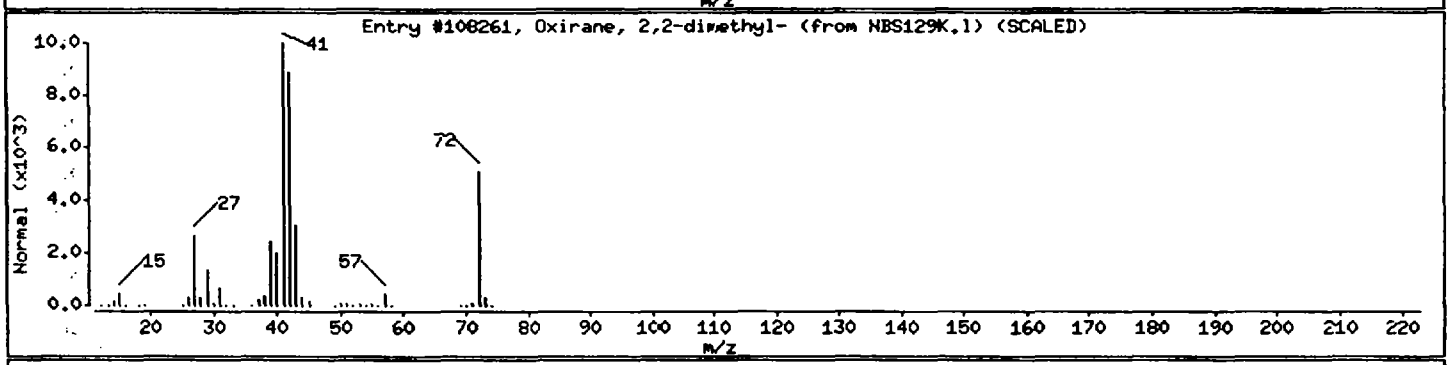
Purge Volume: 5.0 Operator: 2323

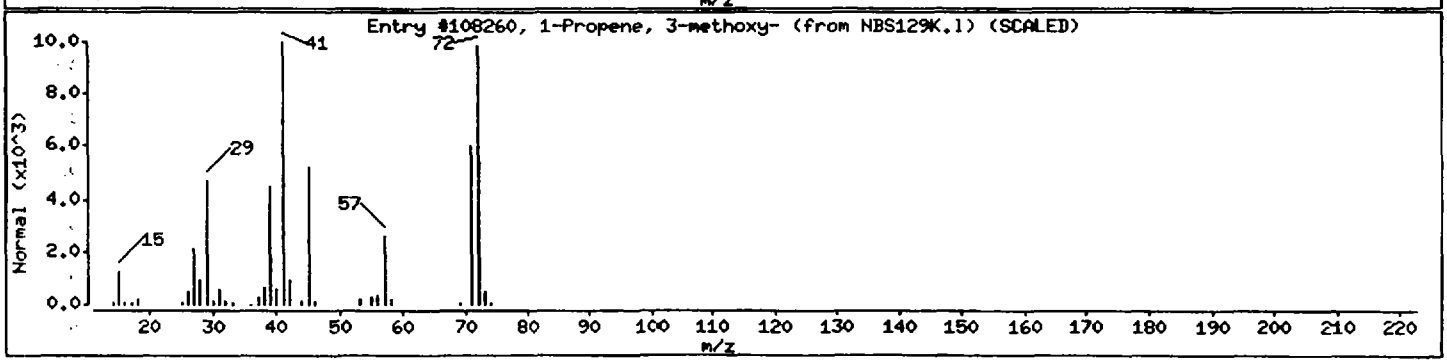
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108255	90	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	36	C4H8O	72
1-Propene, 3-methoxy-	627-40-7	NBS129K.l	108260	17	C4H8O	72









Data File: /chem/5973hp62.i/DF050922B62.b/777117B62.d

Date : 23-SEP-2005 01:31

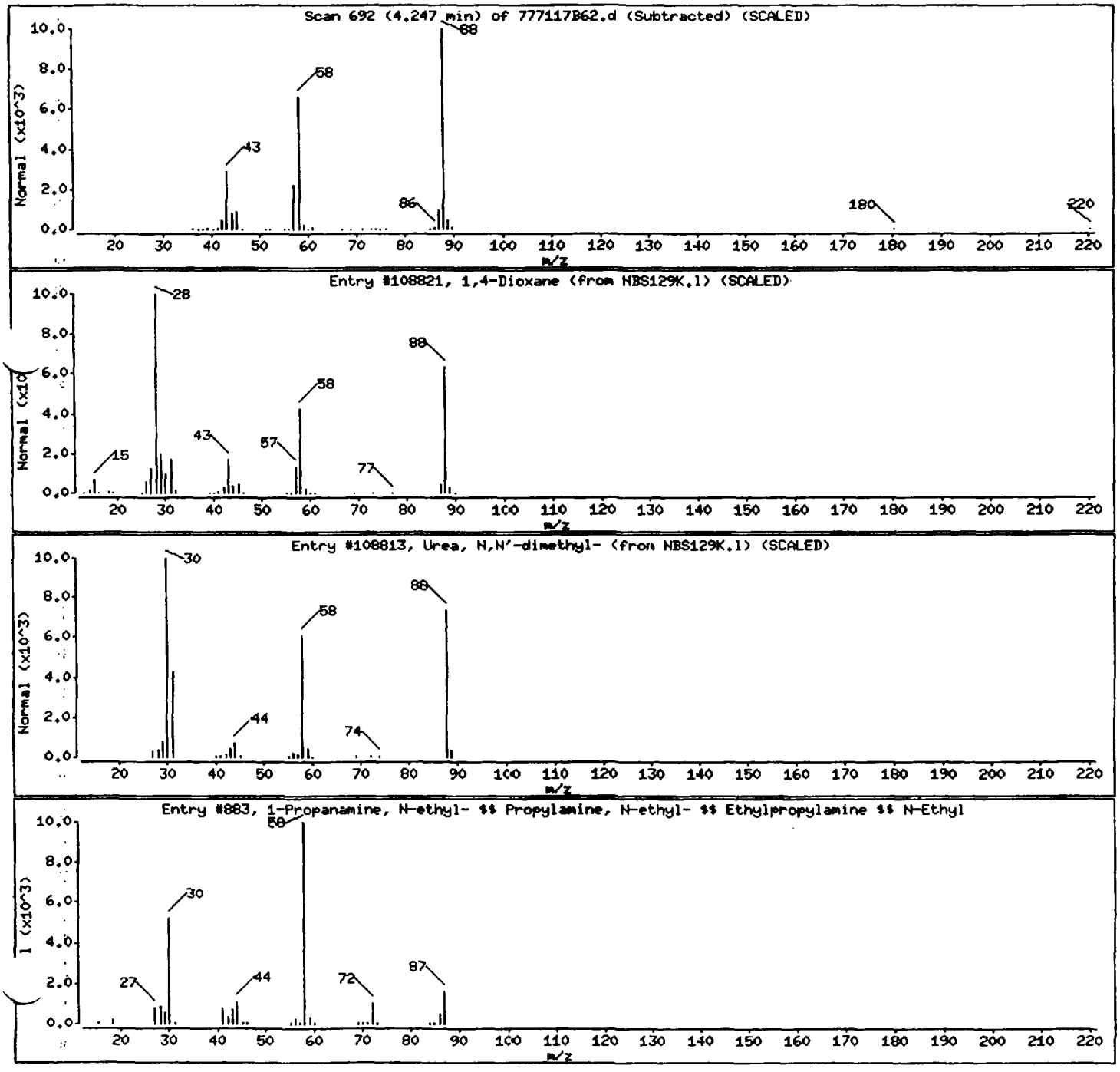
Client ID: ACSGWMW3326 Instrument: 5973hp62.i

Sample Info: 777117:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108821	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	50	C3H8N2O	88
1-Propanamine, N-ethyl- $$ Propylamine,	20193-20-8	NBS129K.l	883	27	C5H13N	87



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	J
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.

ACSGWMW4226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	2.5	J
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	2.2	J
95-50-1	1,2-Dichlorobenzene	3.1	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 135-01-3	BENZENE, 1,2-DIETHYL-	14.46	31	NJ
2. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.80	27	NJ
3. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.90	20	NJ
4. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	15.07	24	NJ
5. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	15.33	130	NJ
6. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	15.65	27	NJ
7. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	15.76	30	NJ
8. 767-58-8	INDAN, 1-METHYL-	15.81	75	NJ
9. 13632-94-5	BENZENE, 1,4-DIETHYL-2-METHY	16.12	22	NJ
10. 101-84-8	DIPHENYL ETHER	19.19	19	NJ
11.				
12.				
13.				
14.				
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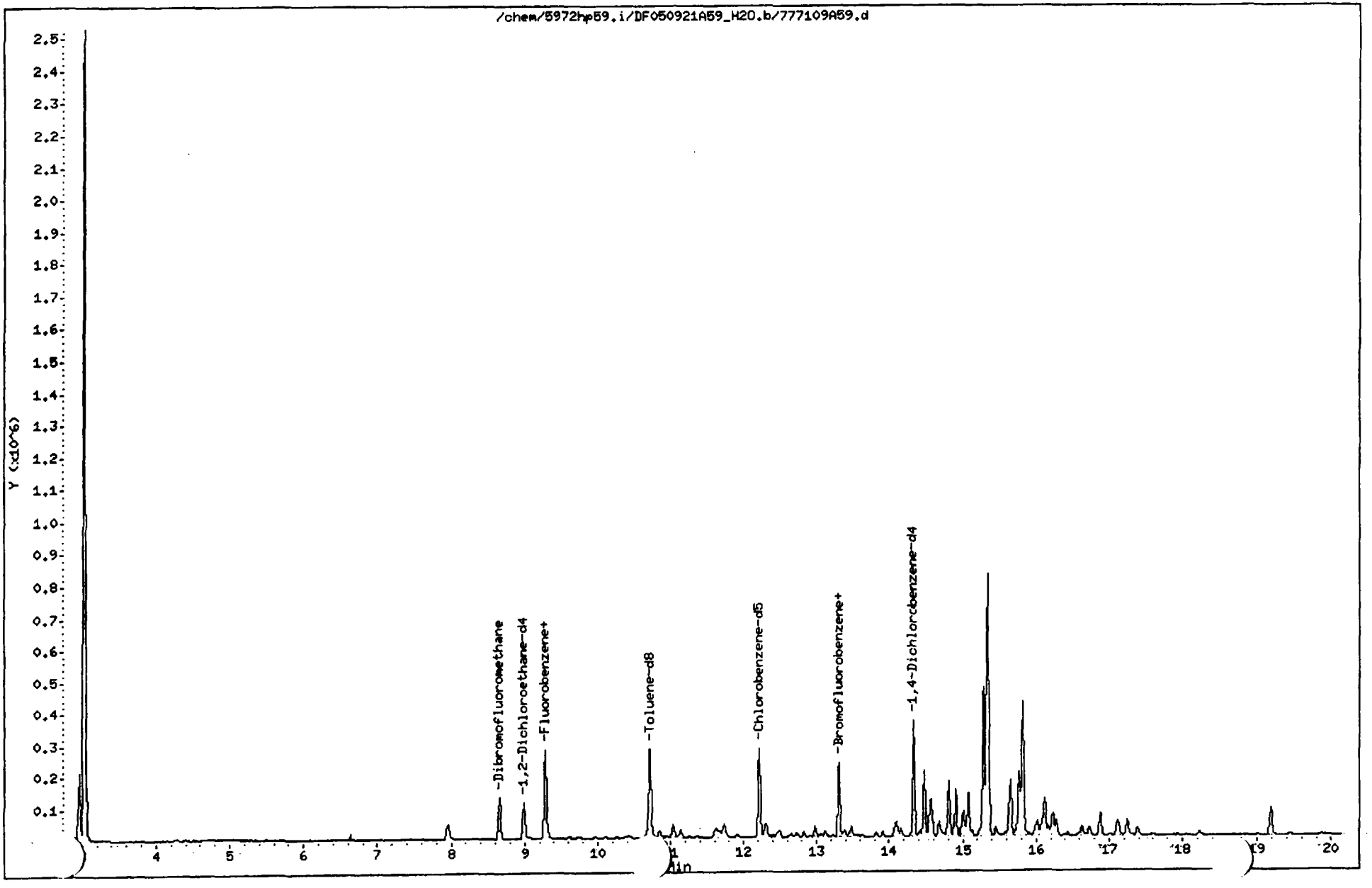
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Date : 21-SEP-2005 21:48
Client ID: ACSGWHW4226
Sample Info: 777109:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Report Date: 23-Sep-2005 02:55

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Lab Smp Id: 777109 Client Smp ID: ACSGWMW4226
Inj Date : 21-SEP-2005 21:48
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777109:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 22
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	9.280	9.281	(1.000)	313192	250.000	
* 2 Chlorobenzene-d5	117	12.212	12.213	(1.000)	208938	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.327	14.328	(1.000)	110285	250.000	
$ 4 Dibromofluoromethane	113	8.651	8.652	(0.932)	99447	256.462	51
$ 5 1,2-Dichloroethane-d4	65	8.985	8.986	(0.968)	99343	256.677	51
$ 6 Toluene-d8	98	10.717	10.708	(0.878)	276624	242.213	48
$ 7 Bromofluorobenzene	95	13.304	13.295	(0.929)	115114	238.473	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/DF050921A59_H2O.b/777109A59.d
Report Date: 23-Sep-2005 02:55

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	9.615	9.616	(1.036)	2013	6.03734	1.2(a)
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.					
9 trans-1,3-Dichloropropene	75	Compound Not Detected.					
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	13.107	13.108	(1.073)	15169	12.6475	2.5(a)
79 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	14.357	14.348	(1.002)	7439	11.2024	2.2(a)
94 1,2-Dichlorobenzene	146	14.711	14.702	(1.027)	9122	15.5244	3.1(a)
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/DF050921A59_H2O.b/777109A59.d

Date : 21-SEP-2005 21:48

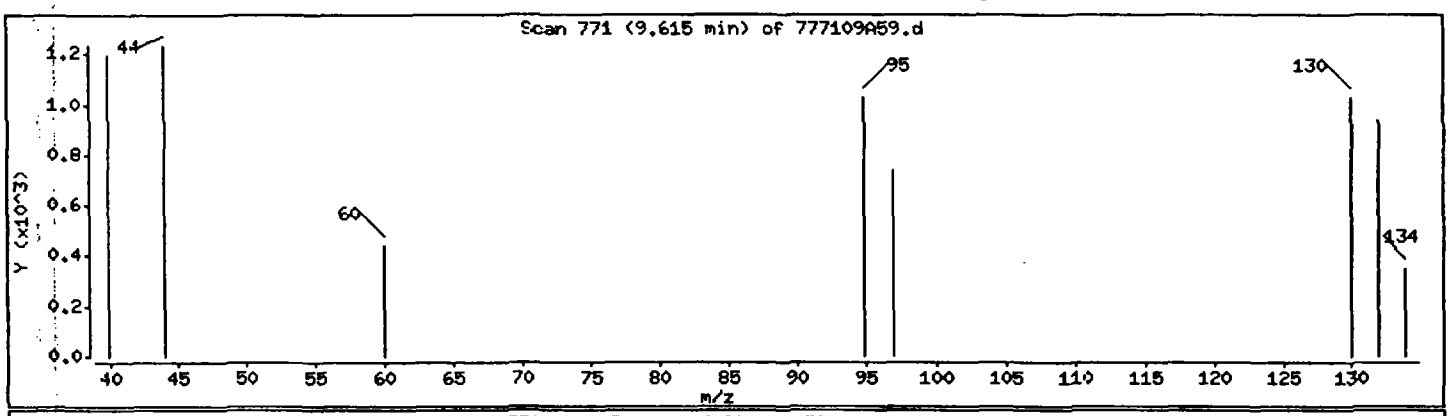
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

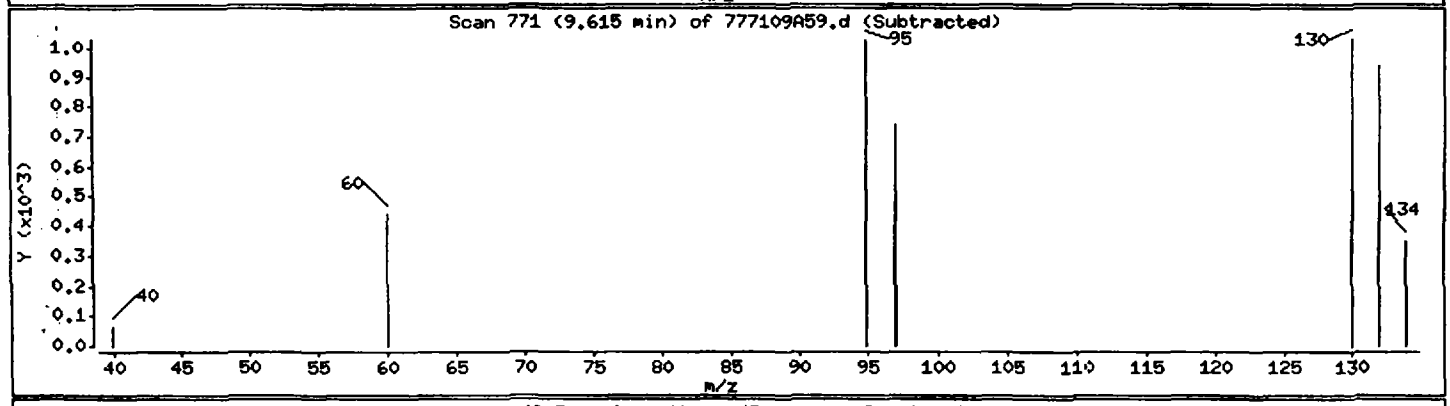
Sample Info: 777109;2473

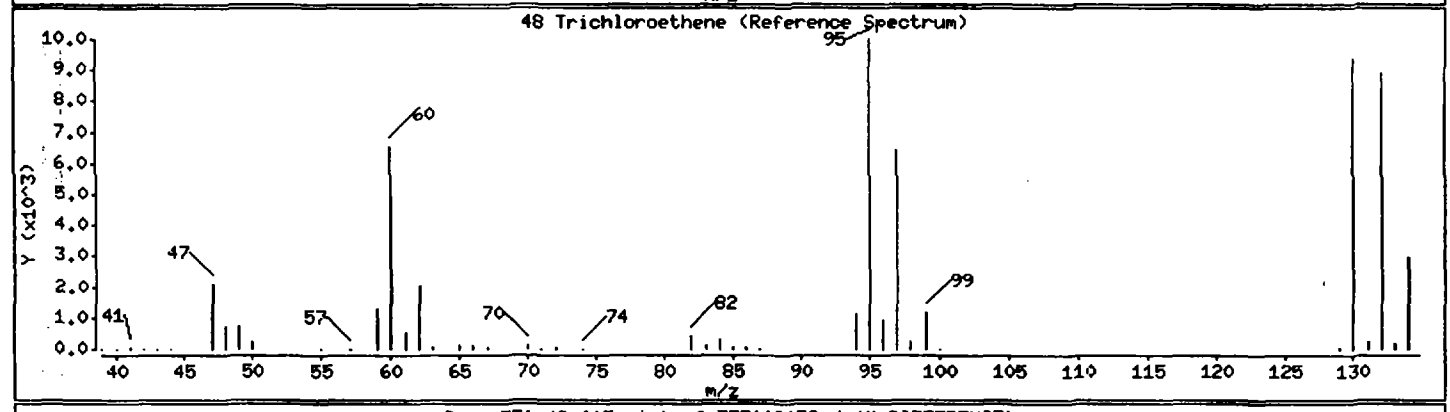
Purge Volume: 5.0 Operator: 2473

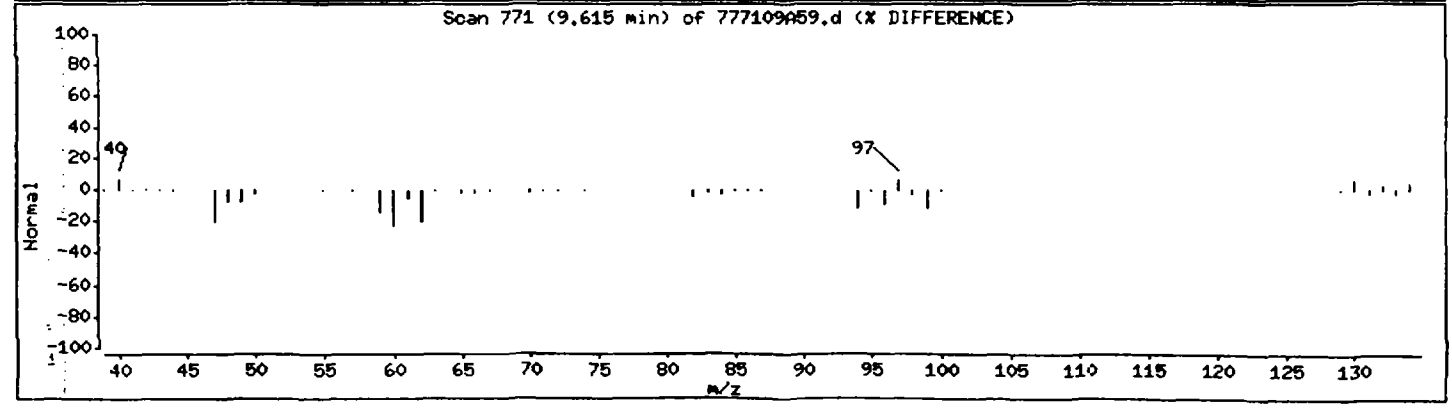
Column phase: ZB-624 Column diameter: 0.32

48 Trichloroethene Concentration: 1.2 ug/L









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ate : 21-SEP-2005 21:48

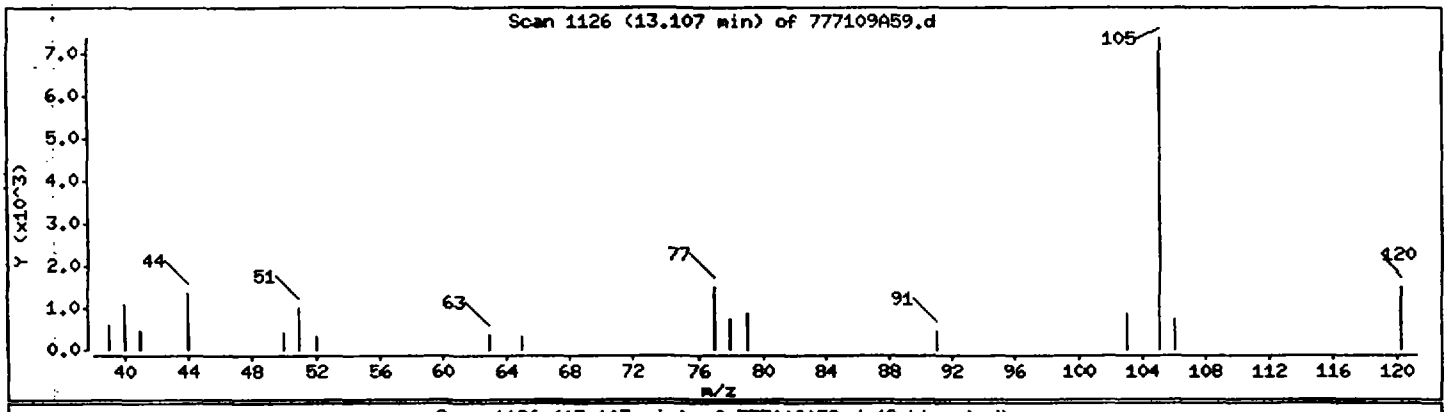
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

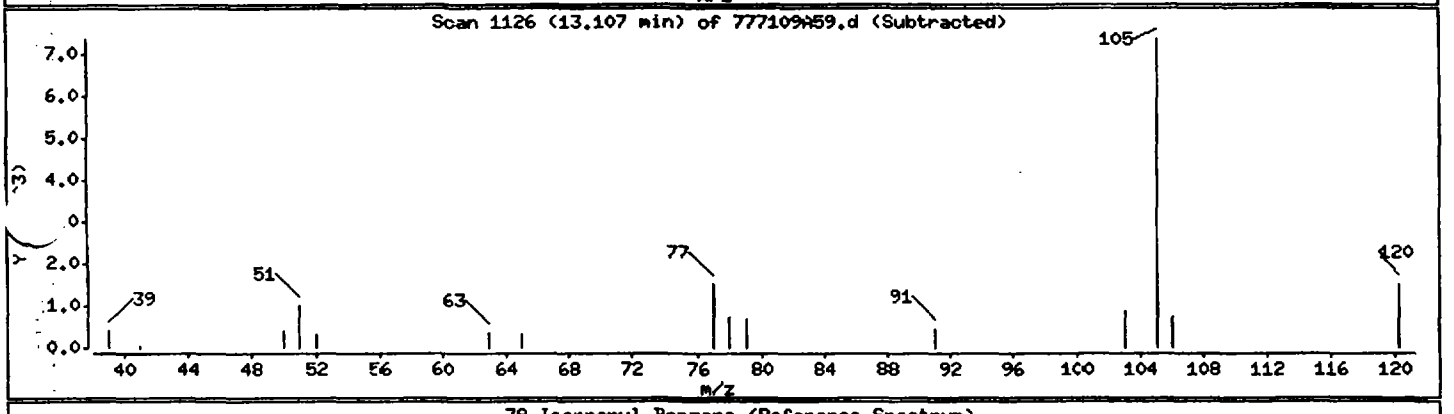
Sample Info: 777109:2473

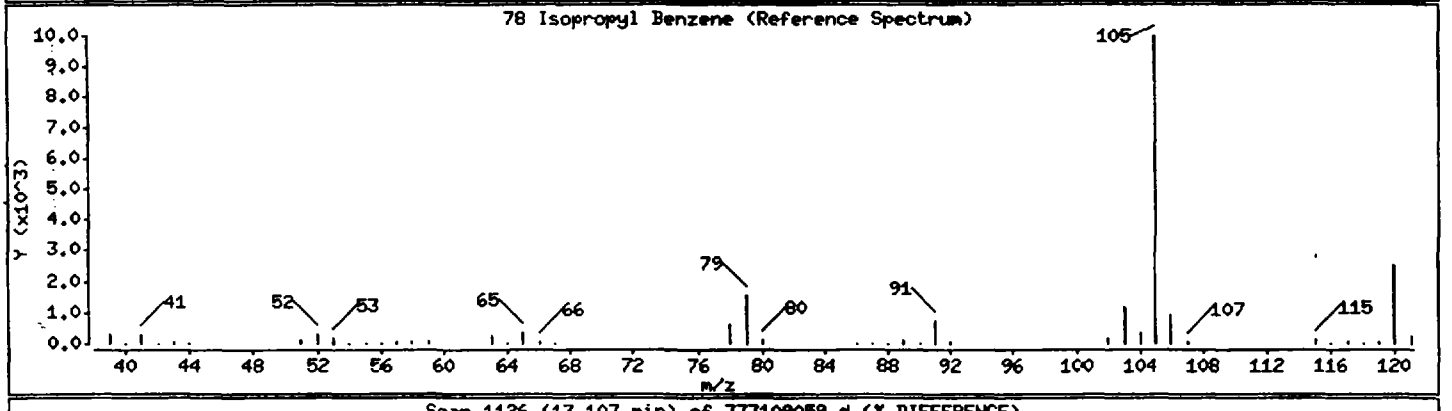
Purge Volume: 5.0 Operator: 2473

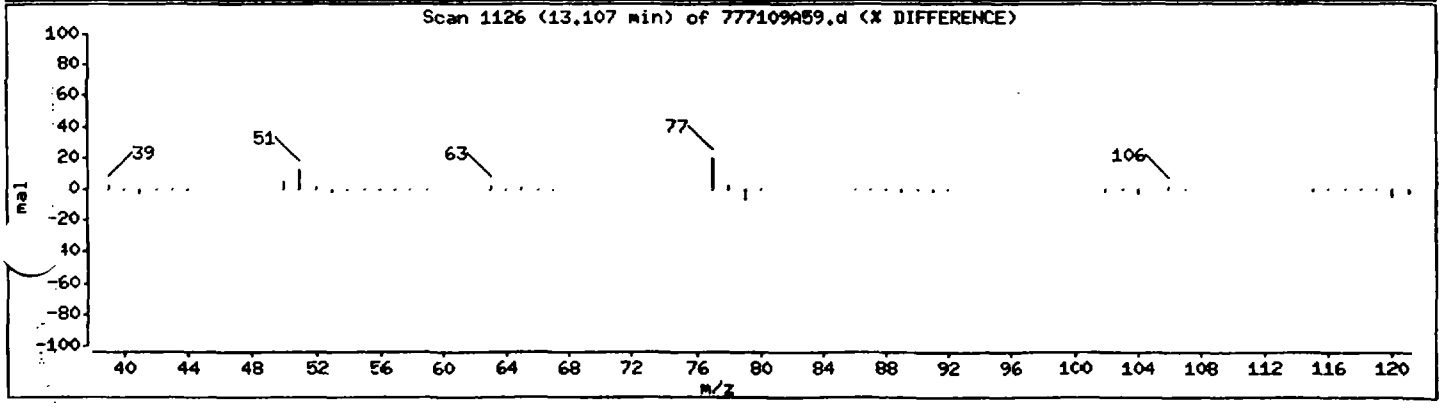
Column phase: ZB-624 Column diameter: 0.32

78 Isopropyl Benzene Concentration: 2.5 ug/L









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Date : 21-SEP-2005 21:48

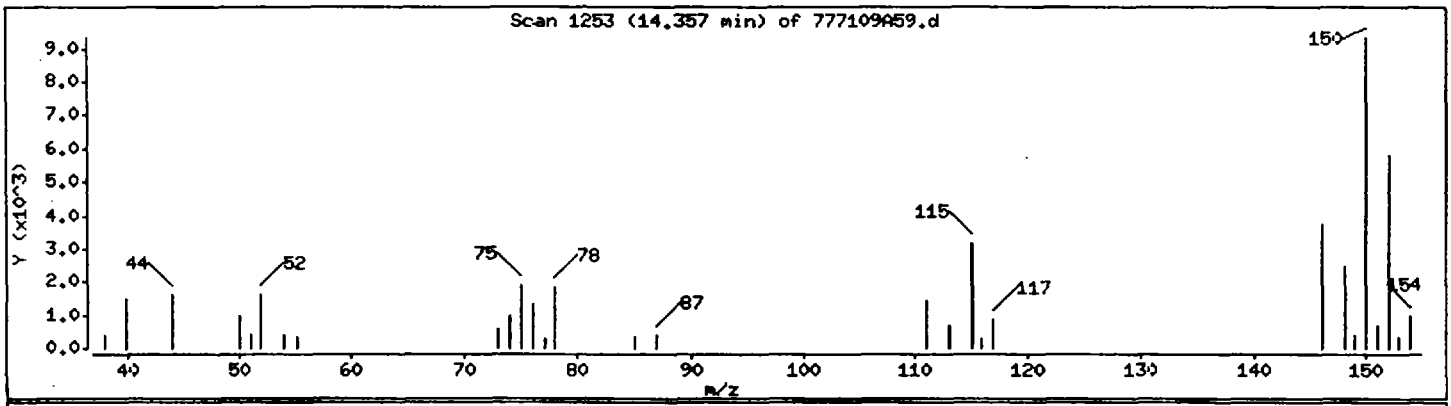
Client ID: ACSGWMW4226 | Instrument: 5972hp59.i

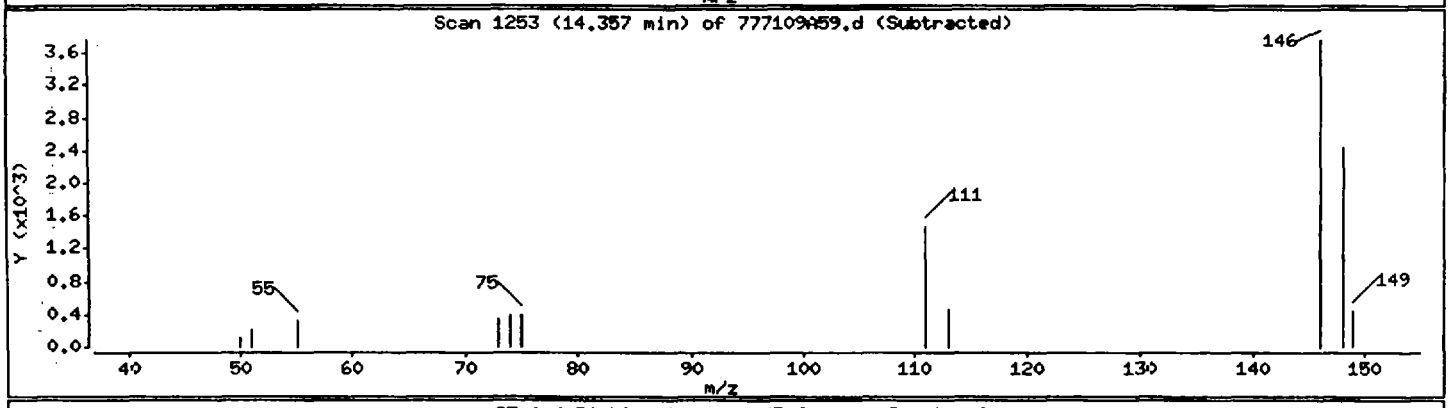
Sample Info: 777109:2473

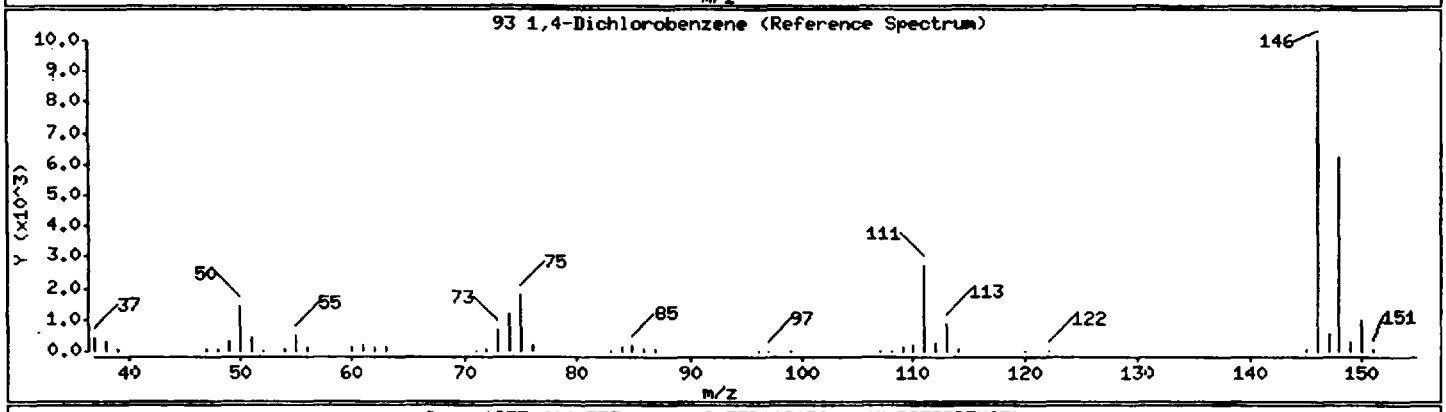
Purge Volume: 5.0 | Operator: 2473

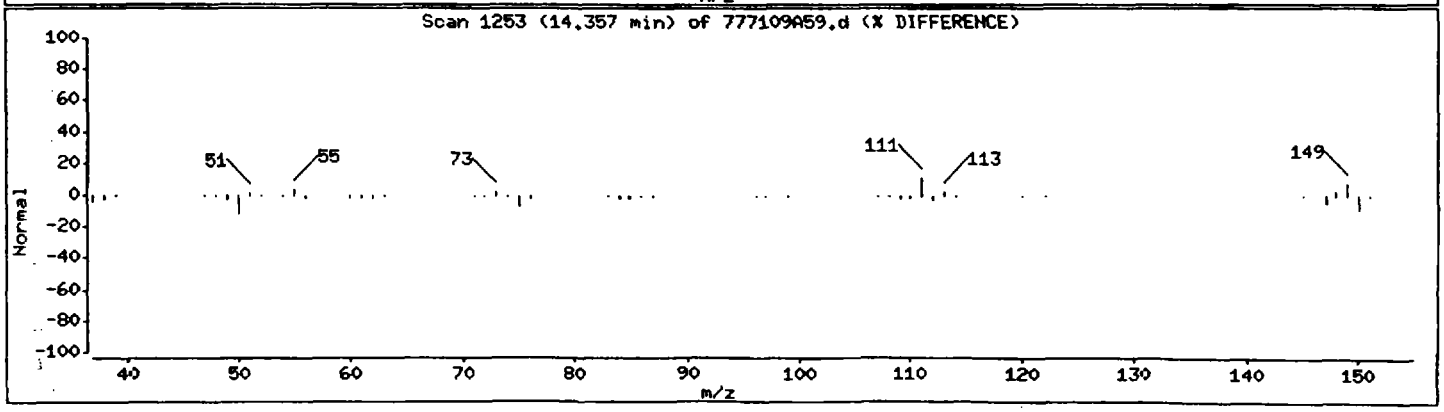
Column phase: ZB-624 | Column diameter: 0.32

93 1,4-Dichlorobenzene | Concentration: 2.2 ug/L









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Date : 21-SEP-2005 21:48

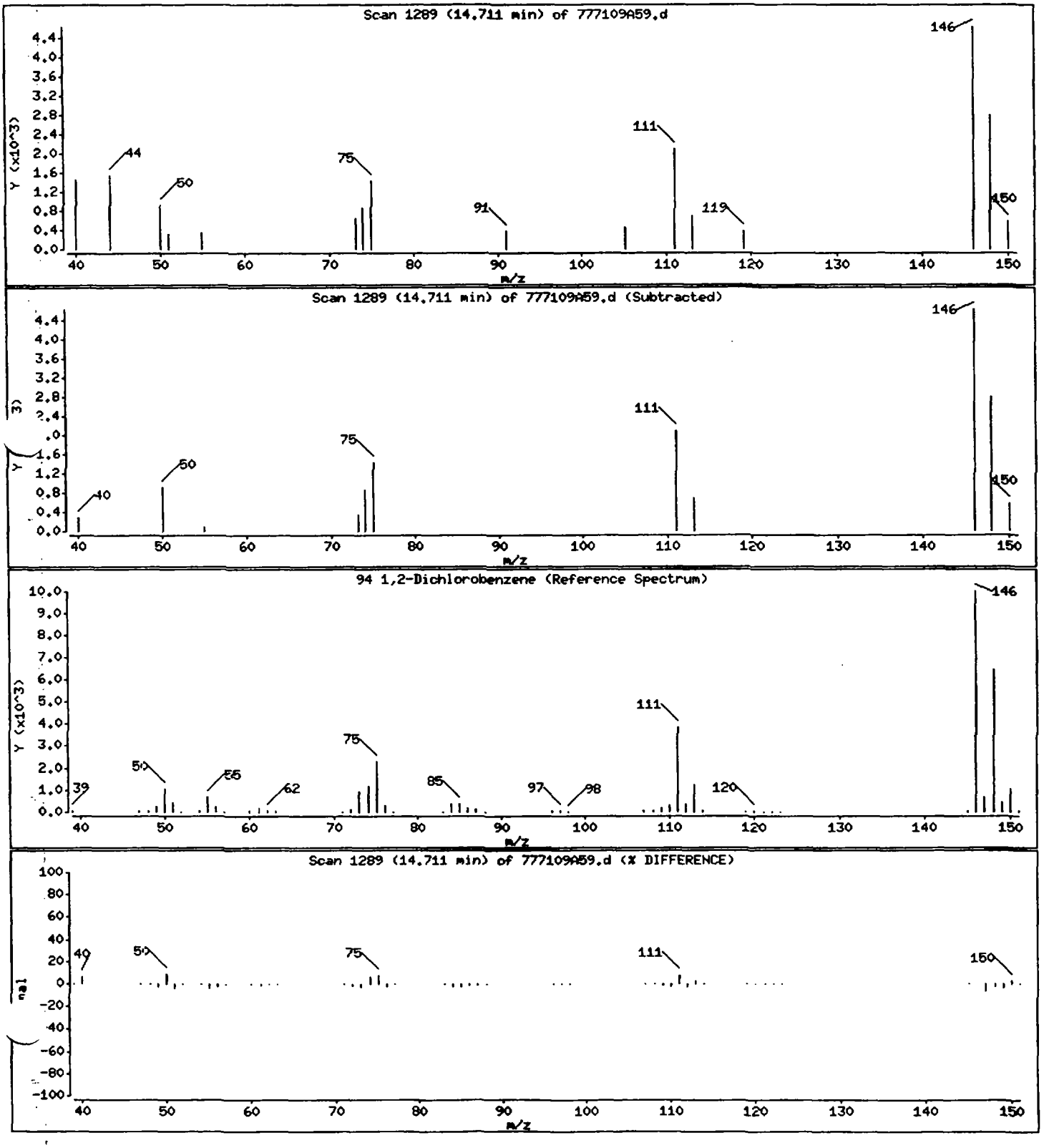
Client ID: ACSGWMW4226 | Instrument: 5972hp59.i

Sample Info: 777109:2473

Purge Volume: 5.0 | Operator: 2473

Column phase: ZB-624 | Column diameter: 0.32

94 1,2-Dichlorobenzene | Concentration: 3.1 ug/L



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Report Date: 23-Sep-2005 02:55

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Lab Smp Id: 777109 Client Smp ID: ACSGWMW4226
Inj Date : 21-SEP-2005 21:48
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777109:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 22
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	14.327	696927	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, 1,2-diethyl-					CAS #: 135-01-3		
14.465	432332	155.085089	31	97	NBS129K.1	112962	3
Benzene, 4-ethyl-1,2-dimethyl-					CAS #: 934-80-5		
14.799	378575	135.801543	27	96	NBS129K.1	112974	3
Benzene, 4-ethyl-1,2-dimethyl-					CAS #: 934-80-5		
14.898	274985	98.6420447	20	96	NBS129K.1	112974	3

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d
Report Date: 23-Sep-2005 02:55

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, 1-ethenyl-4-ethyl-					CAS #: 3454-07-7		
15.075	334562	120.013080	24	90	NBS129K.l	112751	3
Benzene, 1,2,3,5-tetramethyl- $$ Isodure					CAS #: 527-53-7		
15.331	1816226	651.512005	130	96	NBS129K.l	8132	3
Benzene, 2-ethenyl-1,4-dimethyl- $$ Styr					CAS #: 2039-89-6		
15.645	380922	136.643499	27	95	NBS129K.l	7666	3
Benzene, 1-ethyl-2,4-dimethyl-					CAS #: 874-41-9		
15.763	416256	149.318329	30	91	NBS129K.l	112981	3
Indan, 1-methyl-					CAS #: 767-58-8		
15.813	1049234	376.378413	75	94	NBS129K.l	112745	3
Benzene, 1,4-diethyl-2-methyl- $$ 1,4-Di					CAS #: 13632-94-5		
16.118	301749	108.242483	22	94	NBS129K.l	12772	3
Diphenyl ether					CAS #: 101-84-8		
19.187	257948	92.5304261	19	93	NBS129K.l	117615	3

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d

Date : 21-SEP-2005 21:48

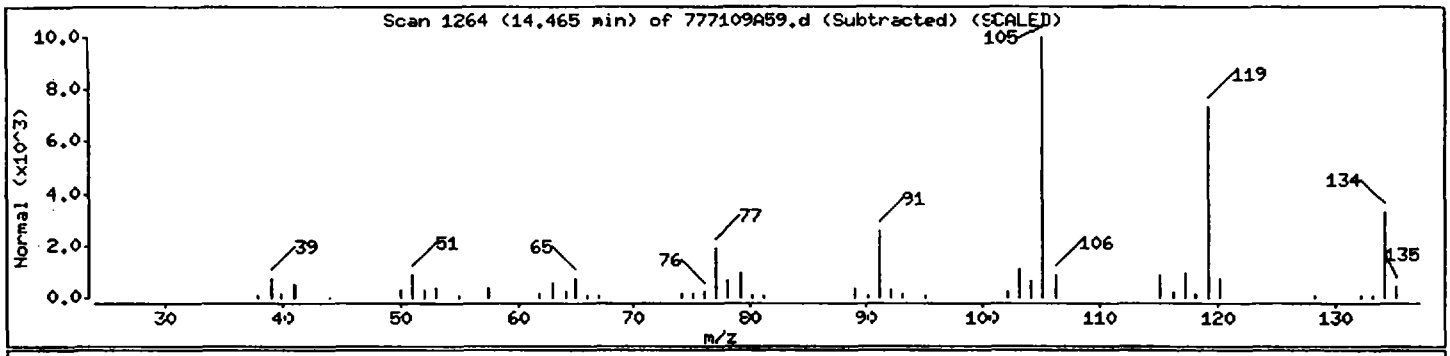
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

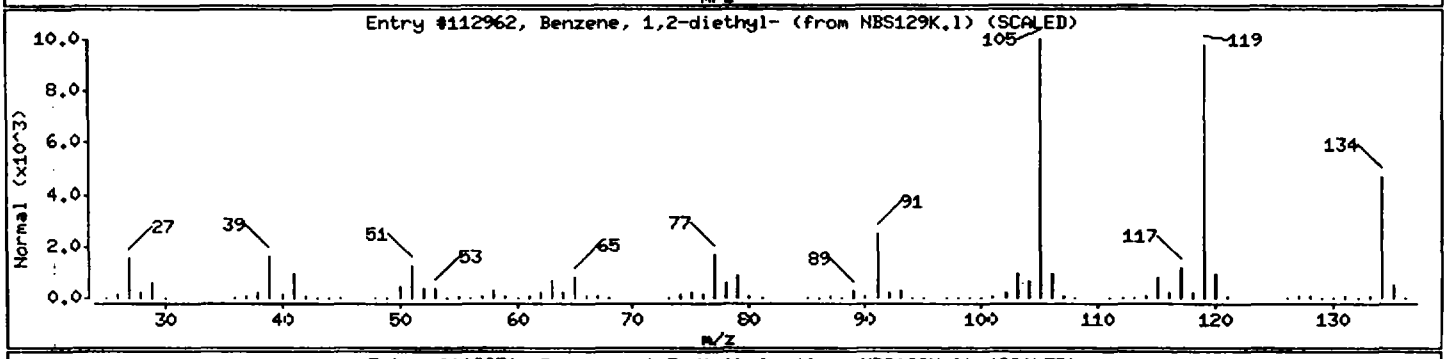
Sample Info: 777109:2473

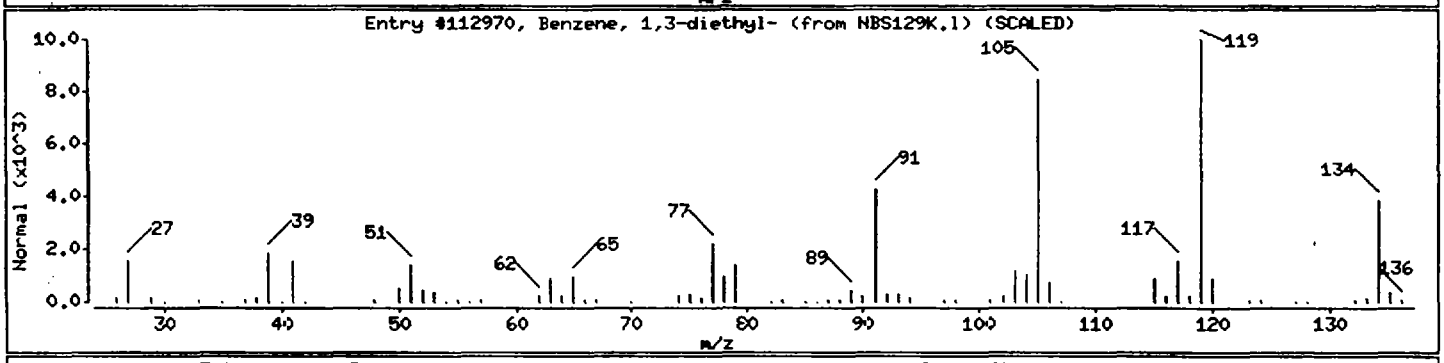
Purge Volume: 5.0 Operator: 2473

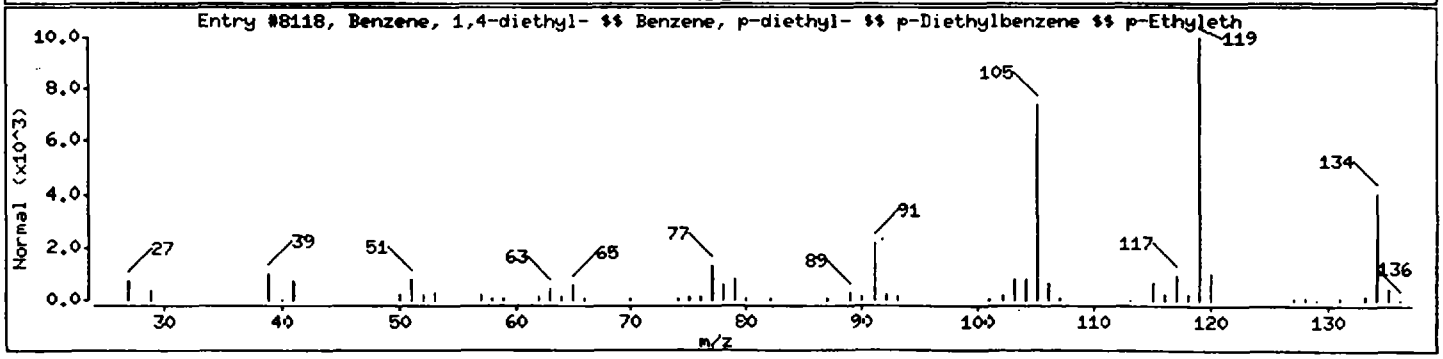
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS129K.l	112962	97	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS129K.l	112970	96	C10H14	134
Benzene, 1,4-diethyl- $$ Benzene, p-diet	105-05-5	NBS129K.l	8118	95	C10H14	134









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Date : 21-SEP-2005 21:48

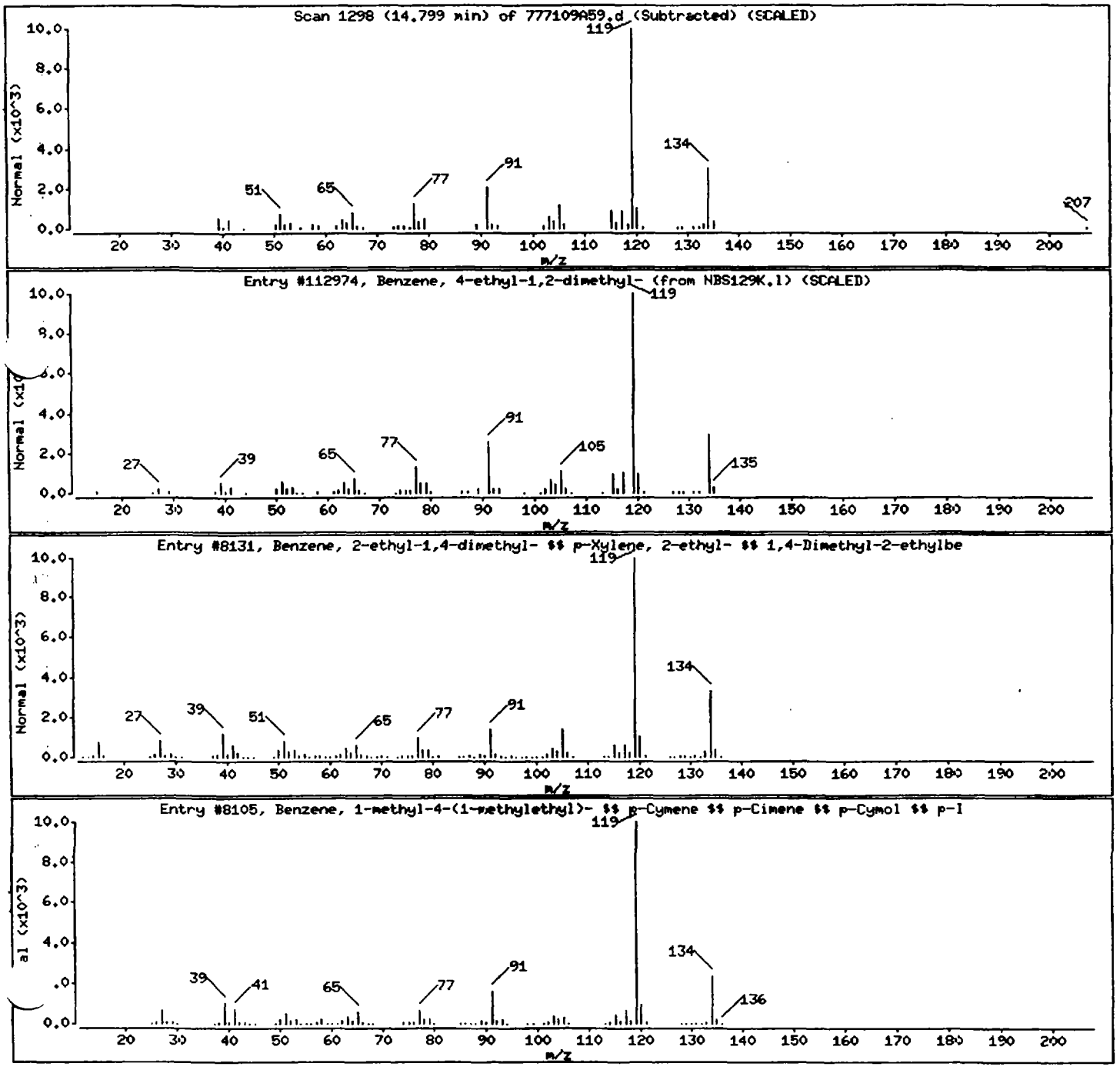
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS129K.l	112974	96	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl- $$ p-Xyle	1758-88-9	NBS129K.l	8131	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)- $$	99-87-6	NBS129K.l	8105	95	C10H14	134



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Date : 21-SEP-2005 21:48

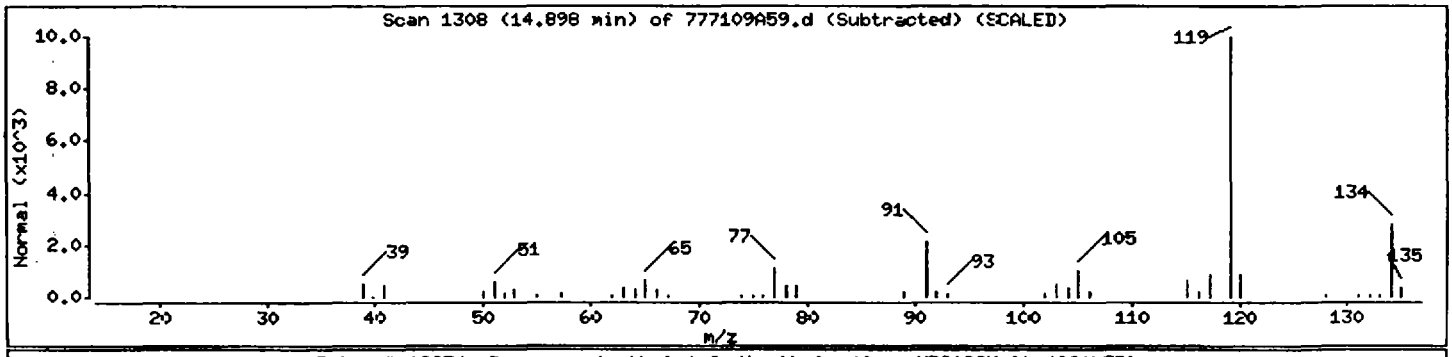
Client ID: ACSCWMW4226 Instrument: 5972hp59.i

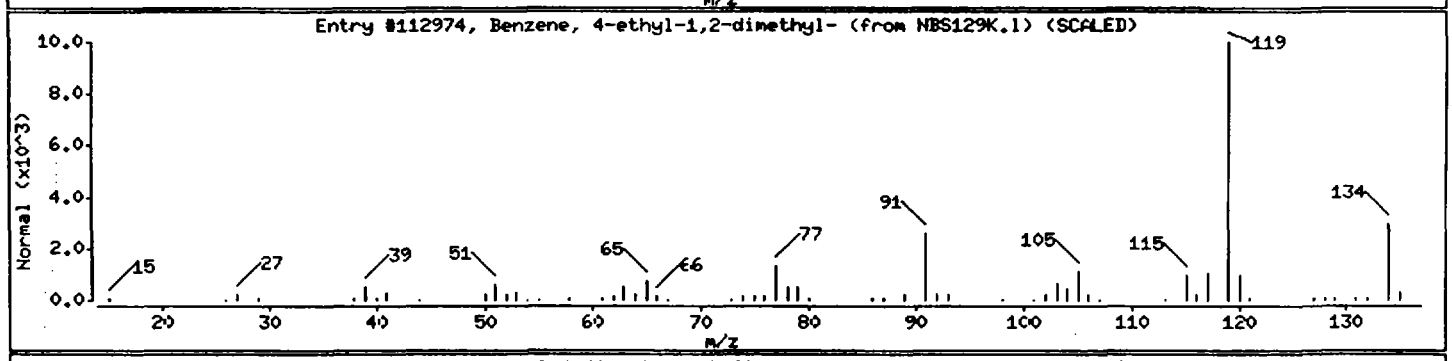
Sample Info: 777109:2473

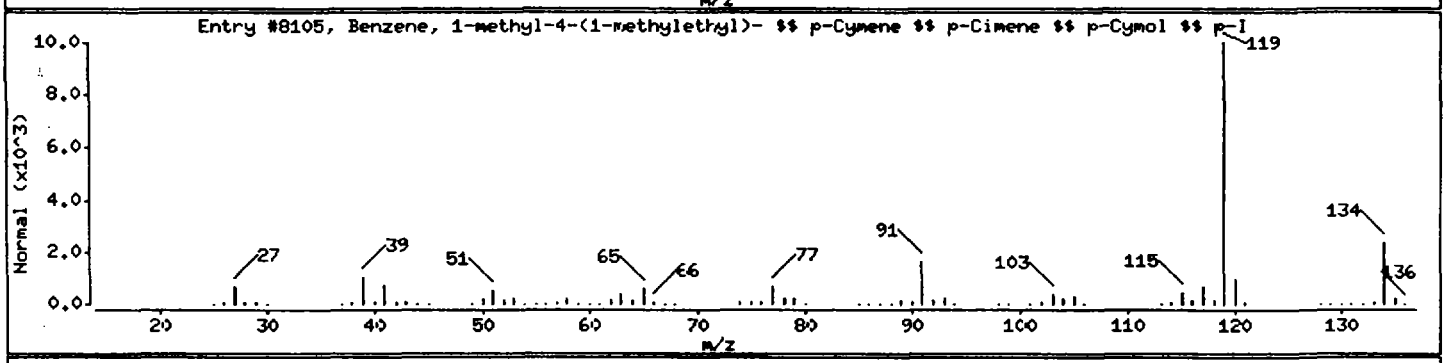
Purge Volume: 5.0 Operator: 2473

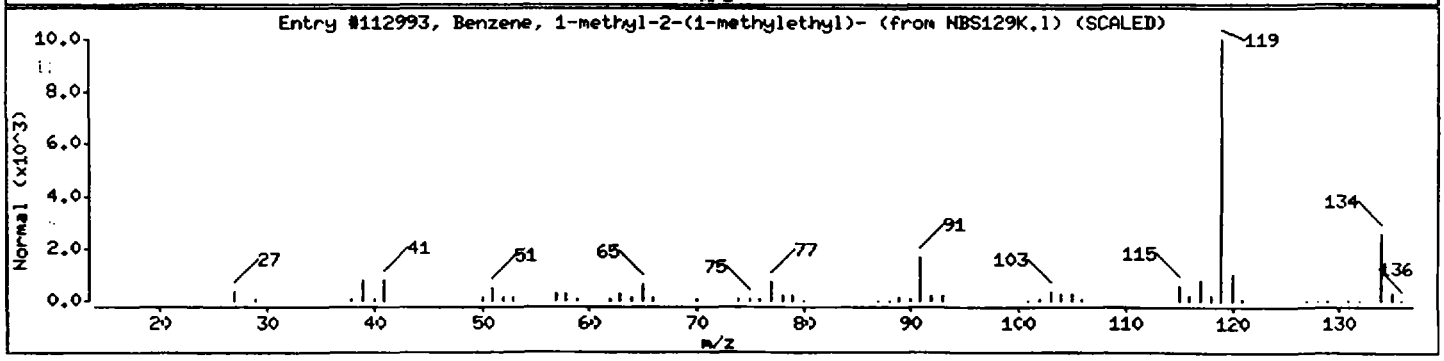
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS129K.l	112974	96	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)- $$	99-87-6	NBS129K.l	8105	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS129K.l	112993	94	C10H14	134









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Date : 21-SEP-2005 21:48

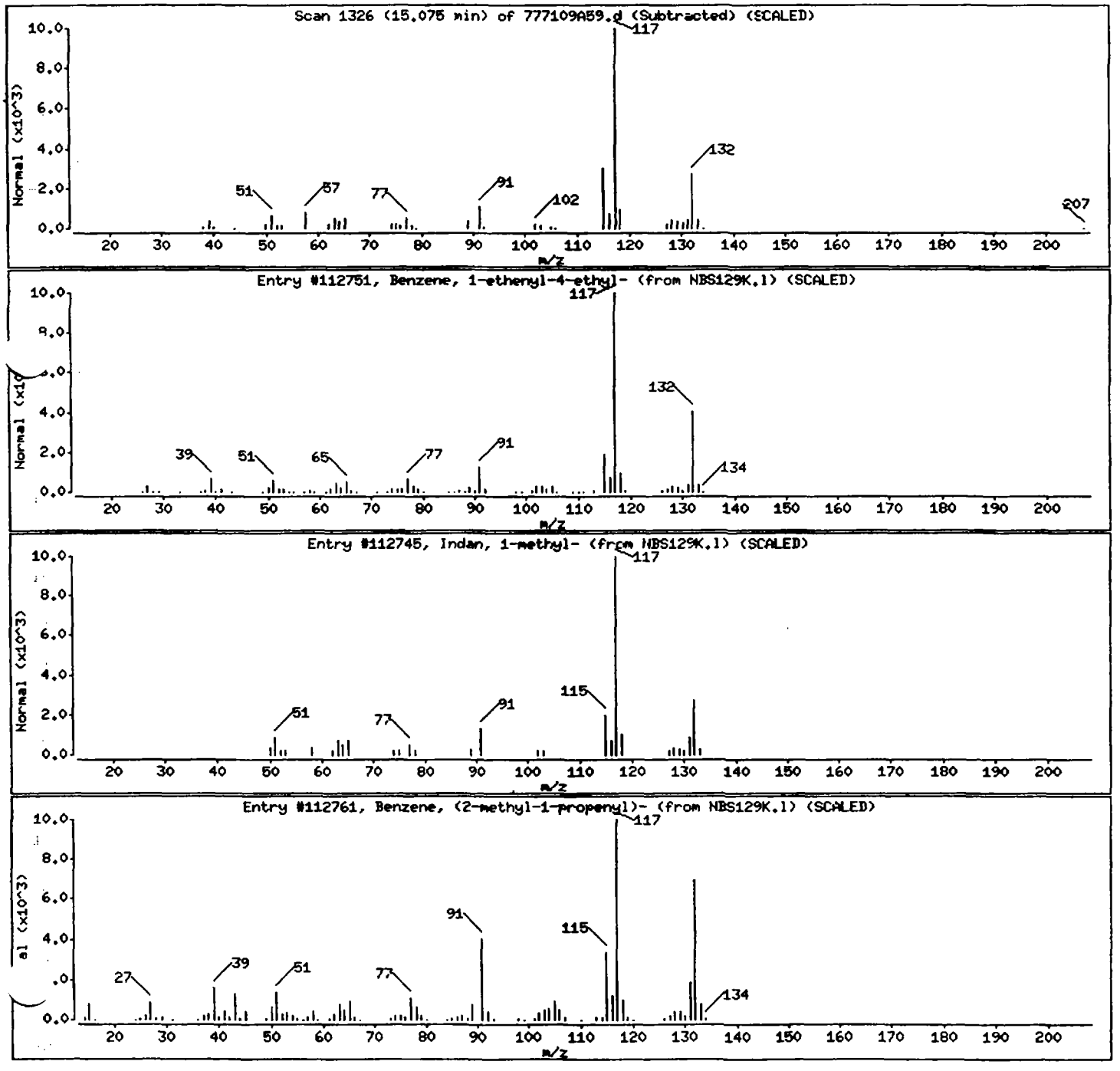
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NBS129K.l	112751	90	C10H12	132
Indan, 1-methyl-	767-58-8	NBS129K.l	112745	87	C10H12	132
Benzene, (2-methyl-1-propenyl)-	768-49-0	NBS129K.l	112761	80	C10H12	132



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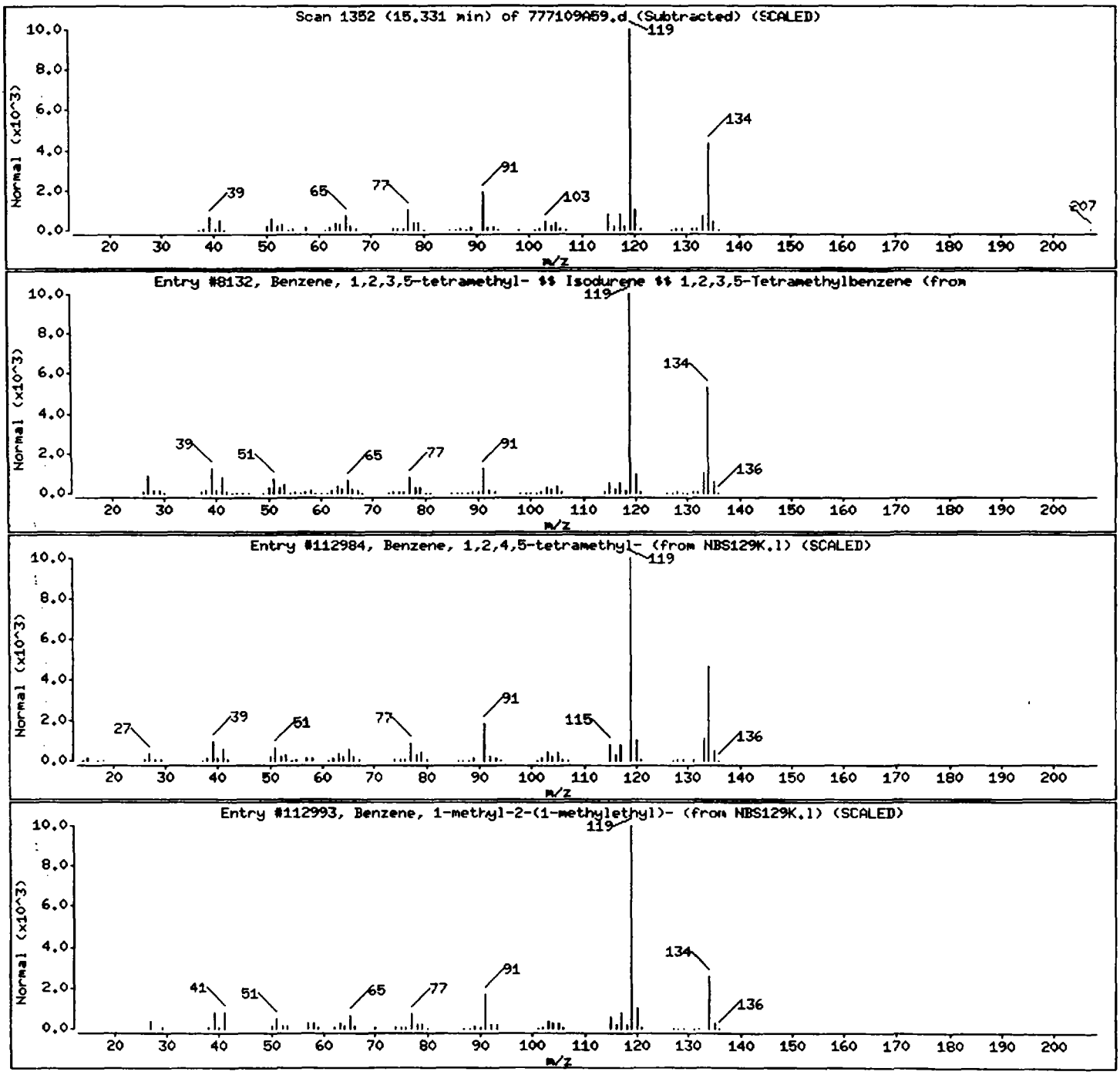
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Benzene, 1,2,3,5-tetramethyl- $$ Isodure	527-53-7	NBS129K.l	8132	96	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS129K.l	112984	96	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS129K.l	112993	95	C10H14	134



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Date : 21-SEP-2005 21:48

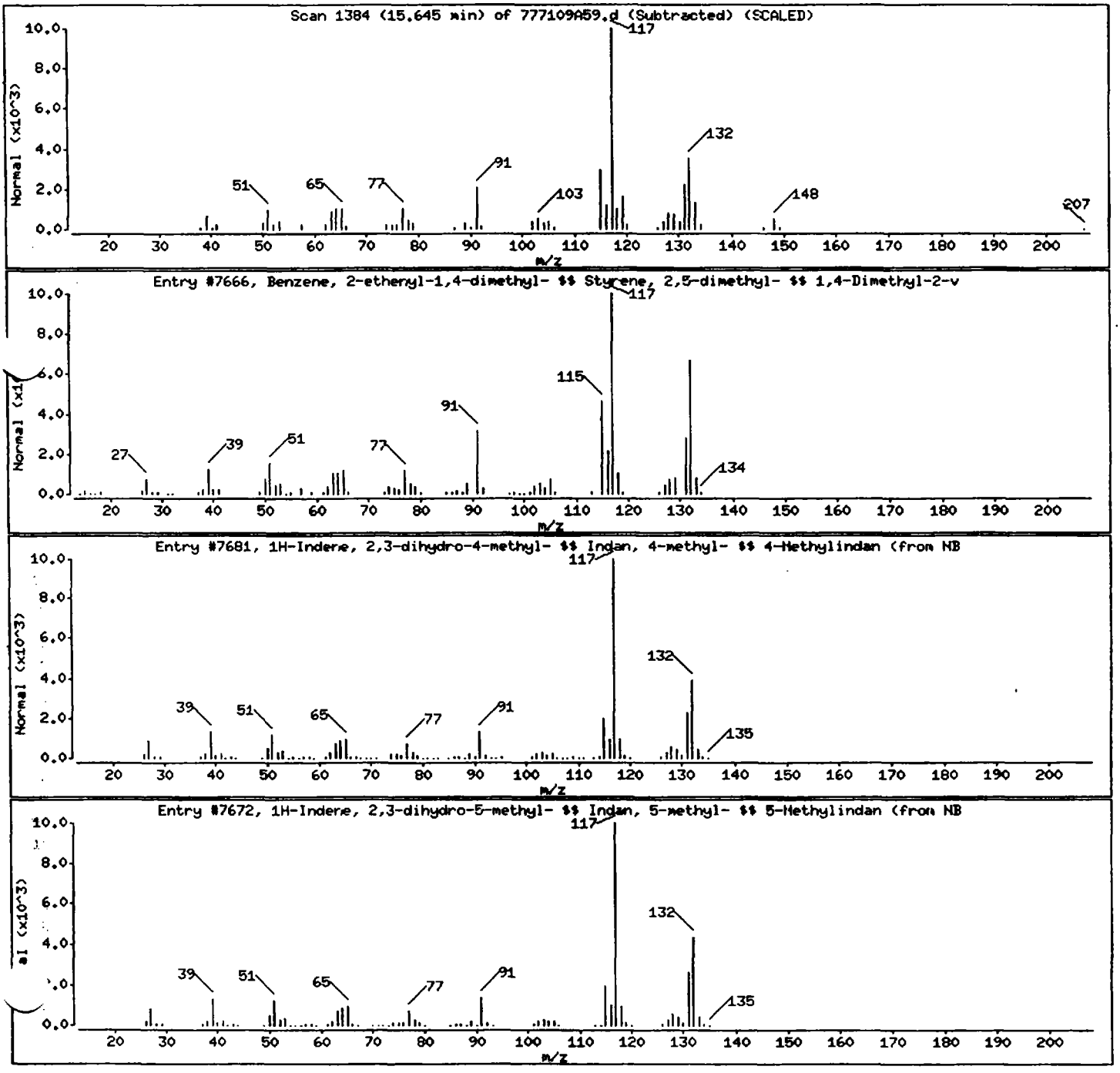
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Benzene, 2-ethenyl-1,4-dimethyl- $$ Styr	2039-89-6	NBS129K.l	7666	95	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl- $$ Inda	824-22-6	NBS129K.l	7681	90	C10H12	132
1H-Indene, 2,3-dihydro-5-methyl- $$ Inda	874-35-1	NBS129K.l	7672	87	C10H12	132



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Date : 21-SEP-2005 21:48

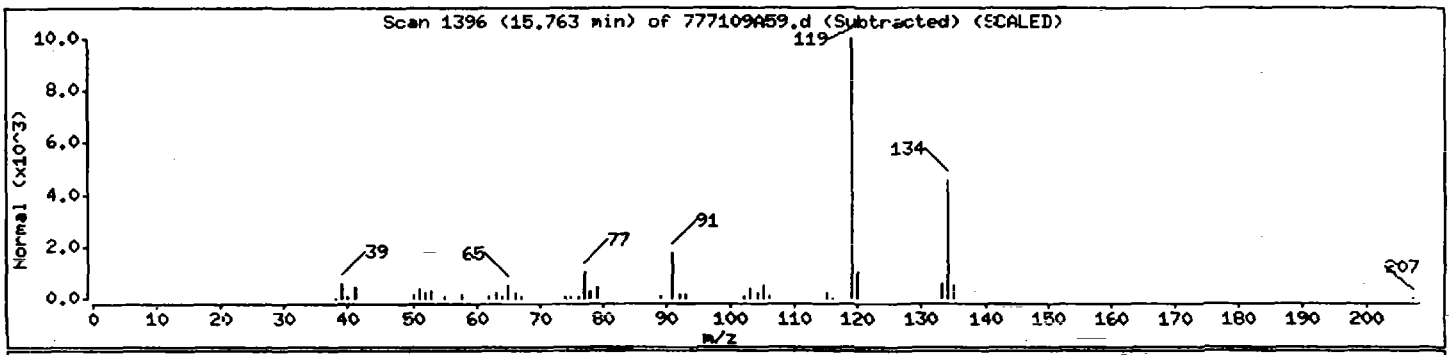
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

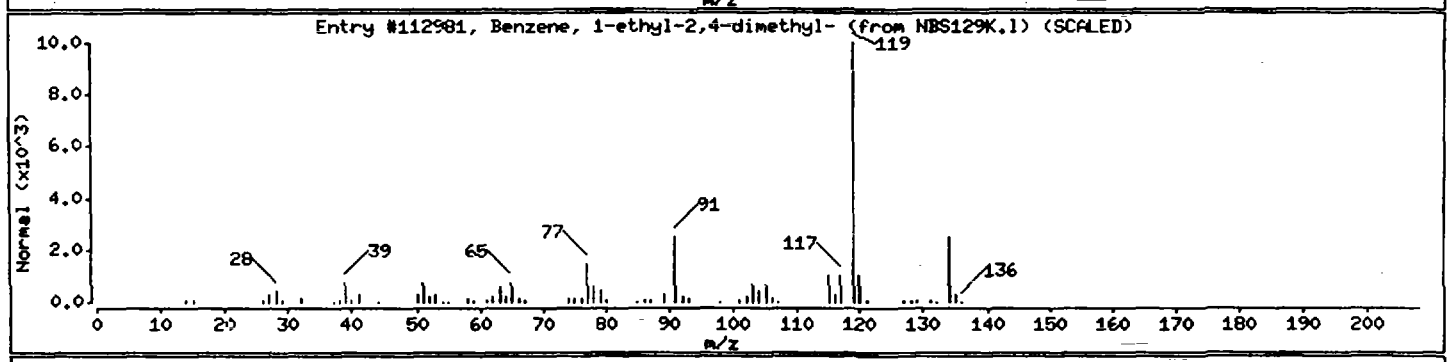
Sample Info: 777109:2473

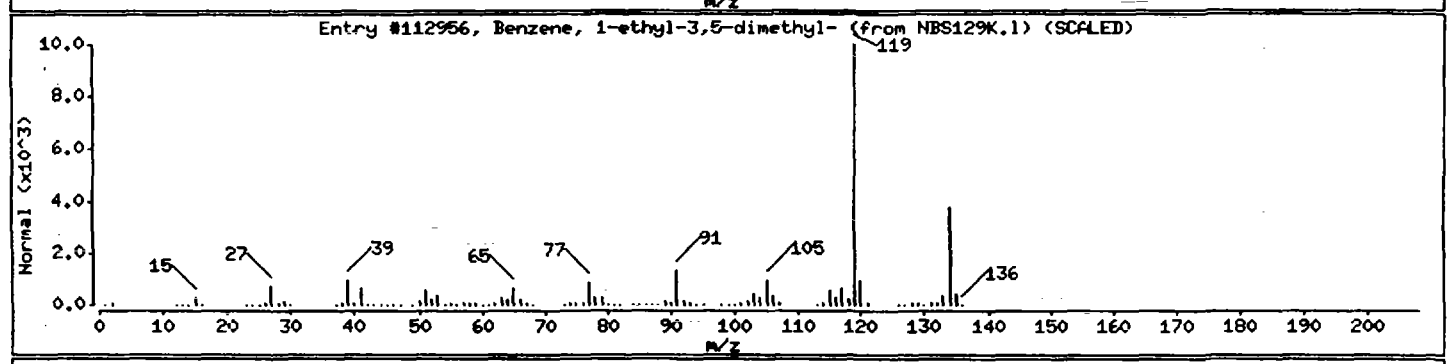
Purge Volume: 5.0 Operator: 2473

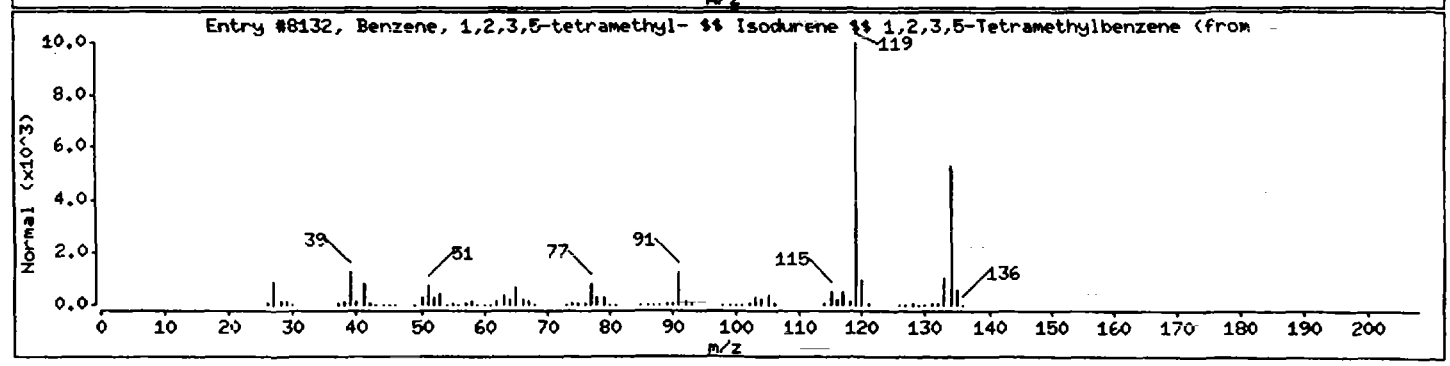
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS129K.l	112981	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS129K.l	112956	91	C10H14	134
Benzene, 1,2,3,5-tetramethyl- $$ Isodure	527-53-7	NBS129K.l	8132	91	C10H14	134









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Date : 21-SEP-2005 21:48

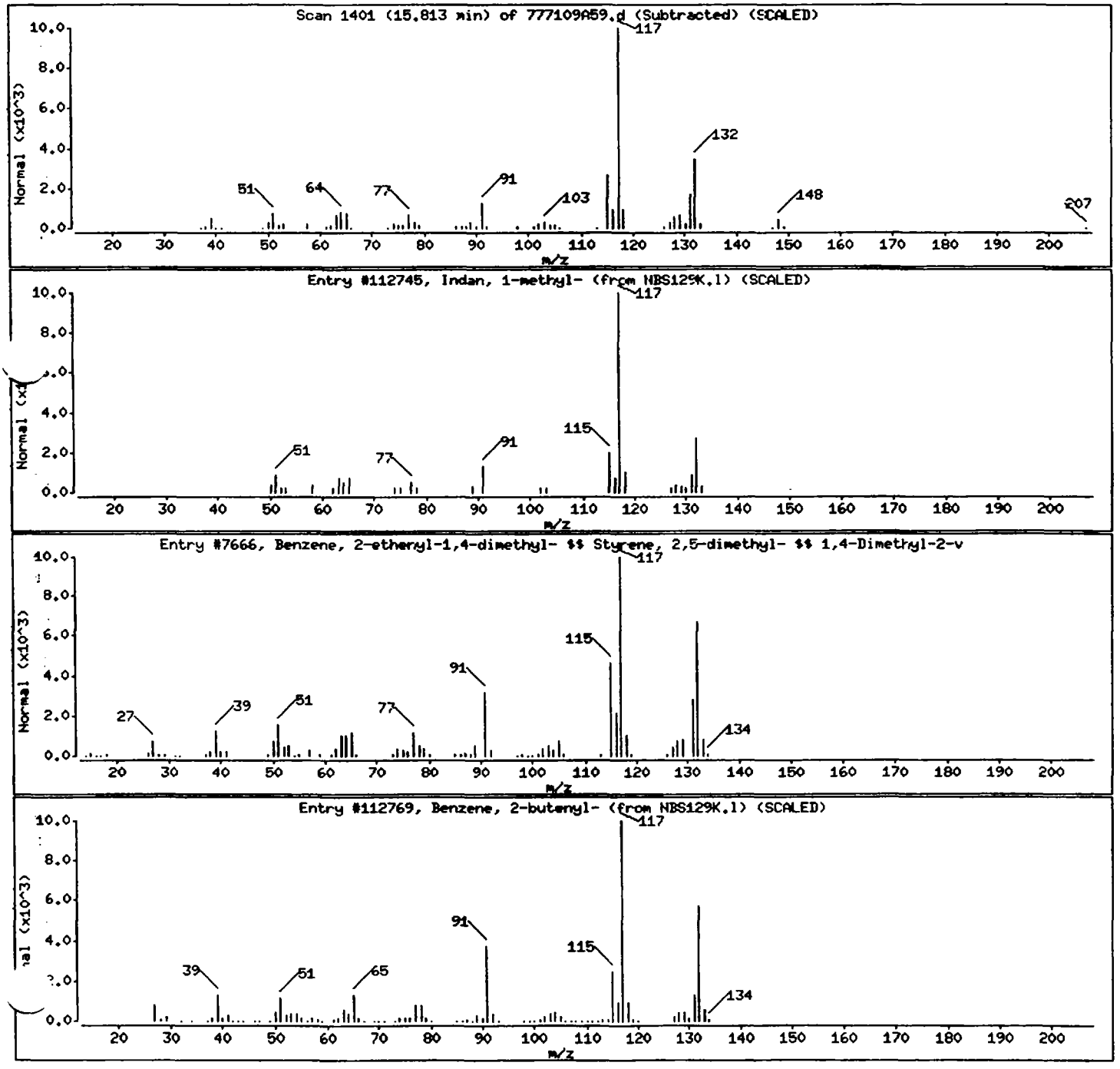
Client ID: ACSGWHW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Indan, 1-methyl-	767-58-8	NBS129K.l	112745	94	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl- $$ Styr	2039-89-6	NBS129K.l	7666	83	C10H12	132
Benzene, 2-butenyl-	1560-06-1	NBS129K.l	112769	80	C10H12	132



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Date : 21-SEP-2005 21:48

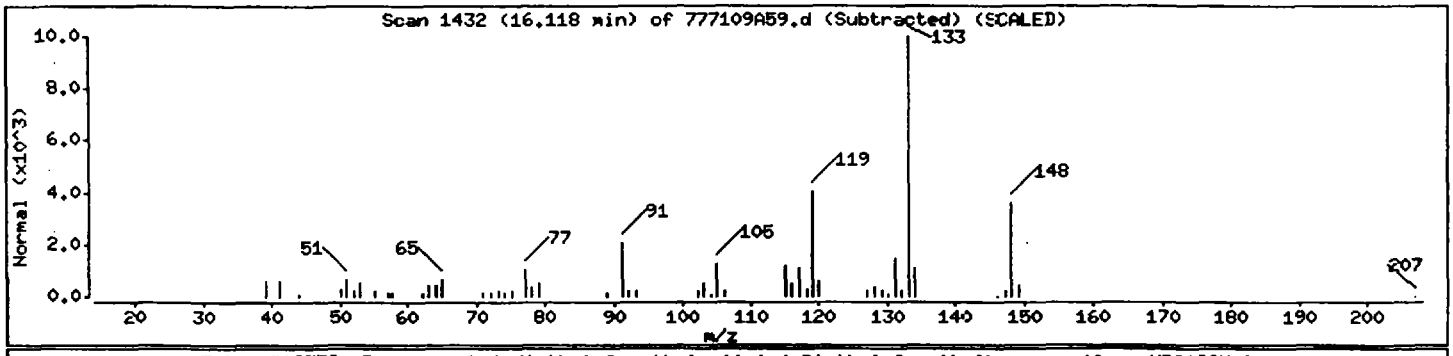
Client ID: ACSGWHW4226 Instrument: 5972hp59.i

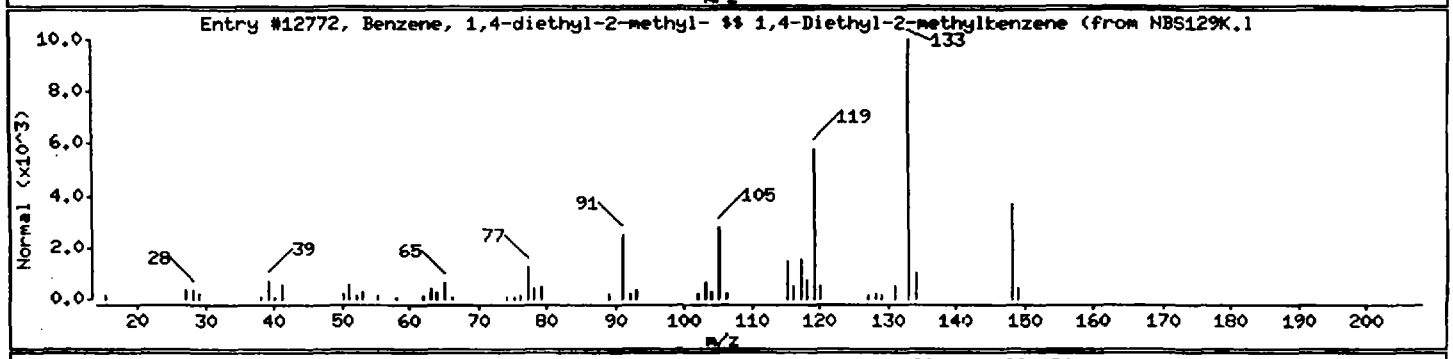
Sample Info: 777109:2473

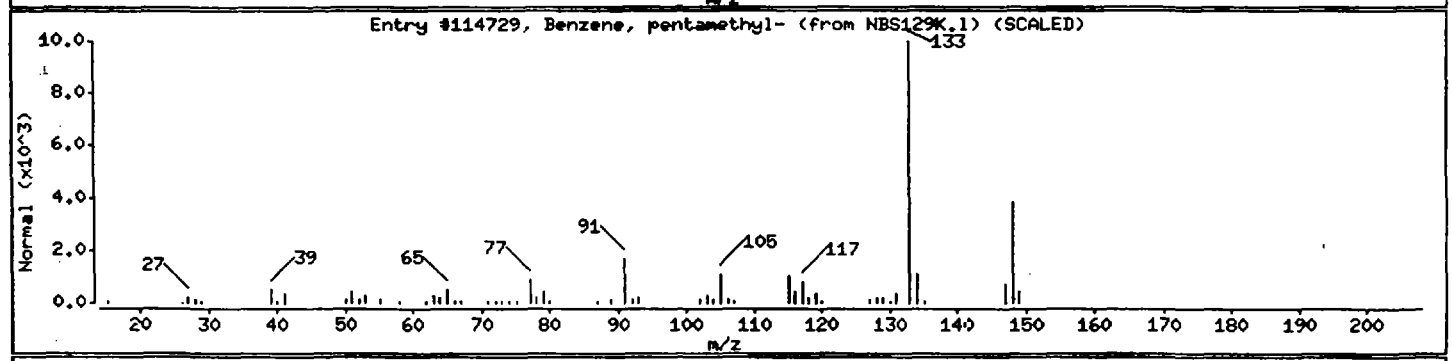
Purge Volume: 5.0 Operator: 2473

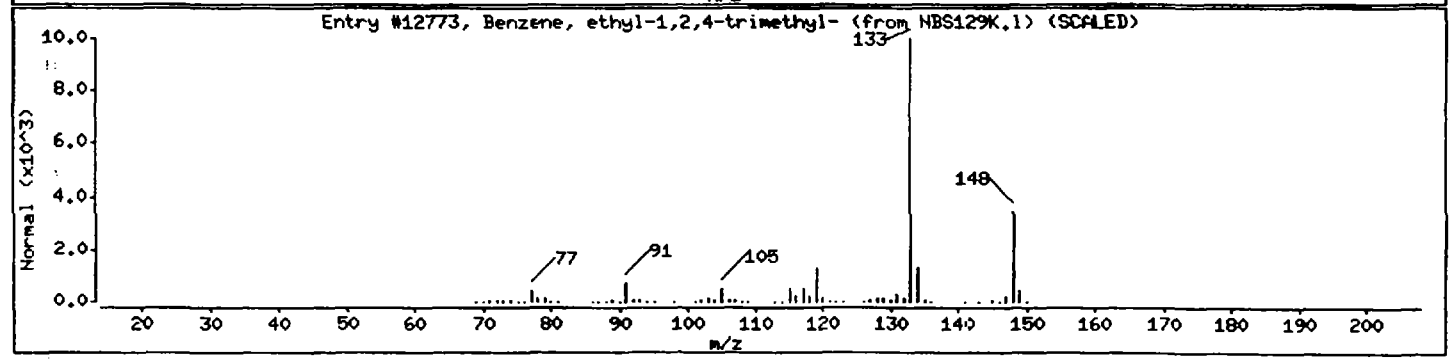
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,4-diethyl-2-methyl- $$ 1,4-Di	13632-94-5	NBS129K.l	12772	94	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS129K.l	114729	86	C11H16	148
Benzene, ethyl-1,2,4-trimethyl-	54120-62-6	NBS129K.l	12773	76	C11H16	148









Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777109A59.d

Date : 21-SEP-2005 21:48

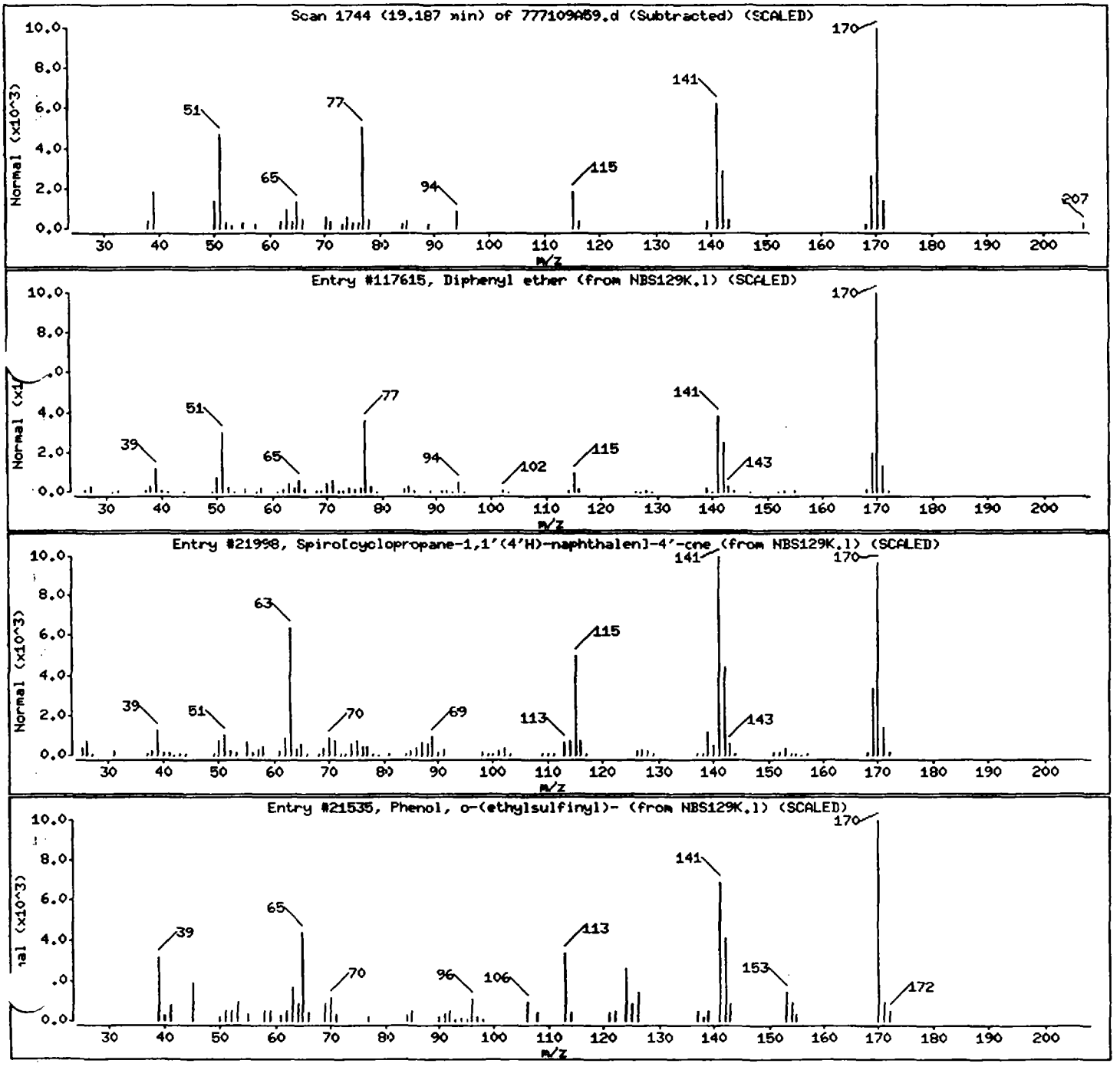
Client ID: ACSGWMW4226 Instrument: 5972hp59.i

Sample Info: 777109:2473

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
Diphenyl ether	101-84-8	NBS129K.l	117615	93	C12H10O	170
Spiro[cyclopropane-1,1'(4'H)-naphthalen]	33498-24-7	NBS129K.l	21998	64	C12H10O	170
Phenol, o-(ethylsulfinyl)-	29634-40-0	NBS129K.l	21535	43	C8H10O2S	170



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW4326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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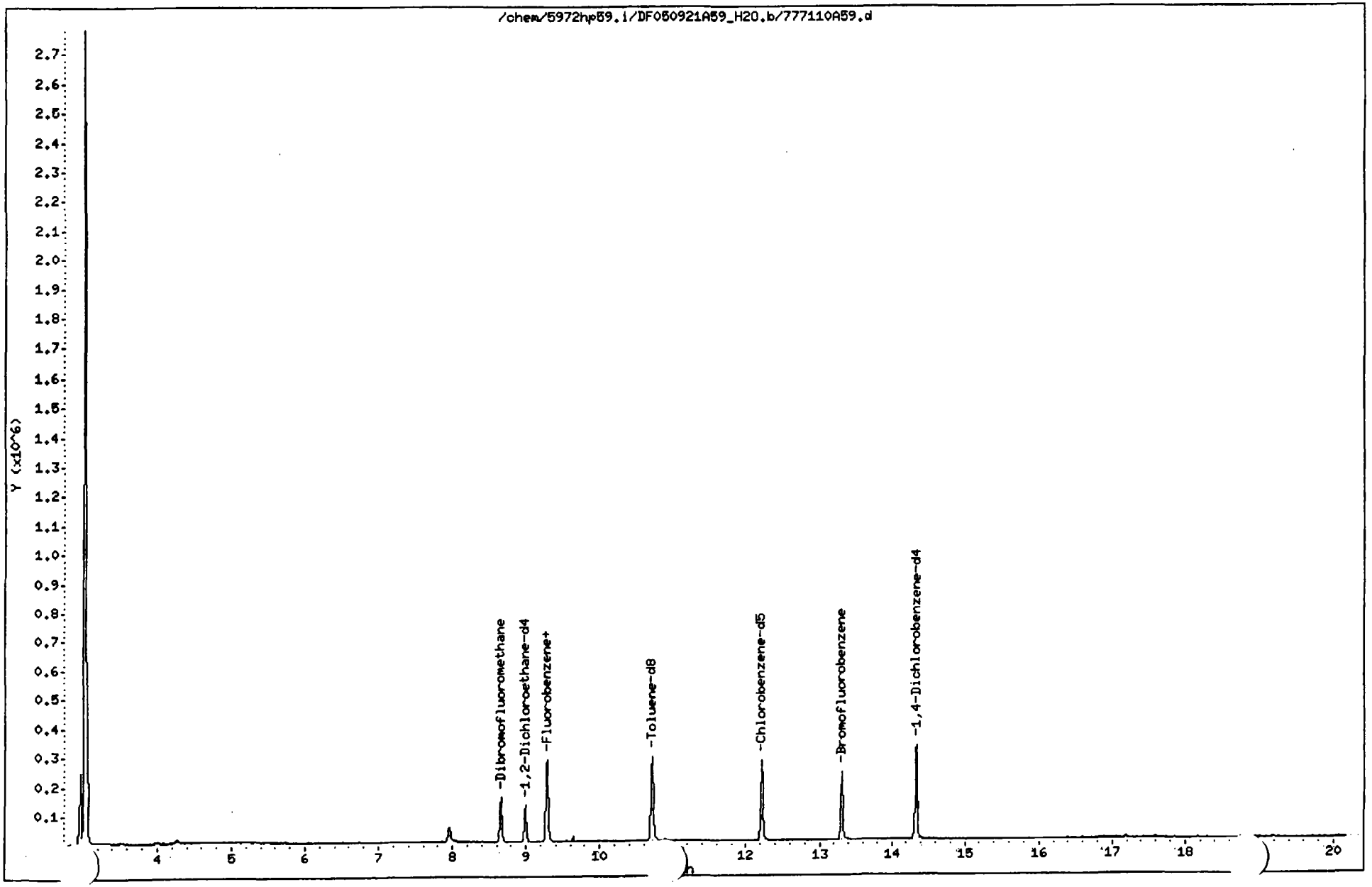
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777110A59.d
Date : 21-SEP-2005 22:16
Client ID: ACSGWMW4326
Sample Info: 777110:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777110A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777110A59.d
Lab Smp Id: 777110 Client Smp ID: ACSGWMW4326
Inj Date : 21-SEP-2005 22:16
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777110:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 23
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	9.286	9.281	(1.000)	332043	250.000	
* 2 Chlorobenzene-d5	117	12.218	12.213	(1.000)	212155	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.328	(1.000)	106313	250.000	
$ 4 Dibromofluoromethane	113	8.657	8.652	(0.932)	104129	253.291	51
$ 5 1,2-Dichloroethane-d4	65	8.991	8.986	(0.968)	102827	250.595	50
$ 6 Toluene-d8	98	10.713	10.708	(0.877)	279584	241.092	48
$ 7 Bromofluorobenzene	95	13.300	13.295	(0.928)	107862	231.798	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.					

AMIH
9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777110A59.d
Report Date: 22-Sep-2005 08:24

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.					
3 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/DF050921A59_H2O.b/777110A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777110A59.d
Lab Smp Id: 777110 Client Smp ID: ACSGWMW4326
Inj Date : 21-SEP-2005 22:16
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777110:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 23
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.

ACSGWMW4426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW4426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4426

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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.				
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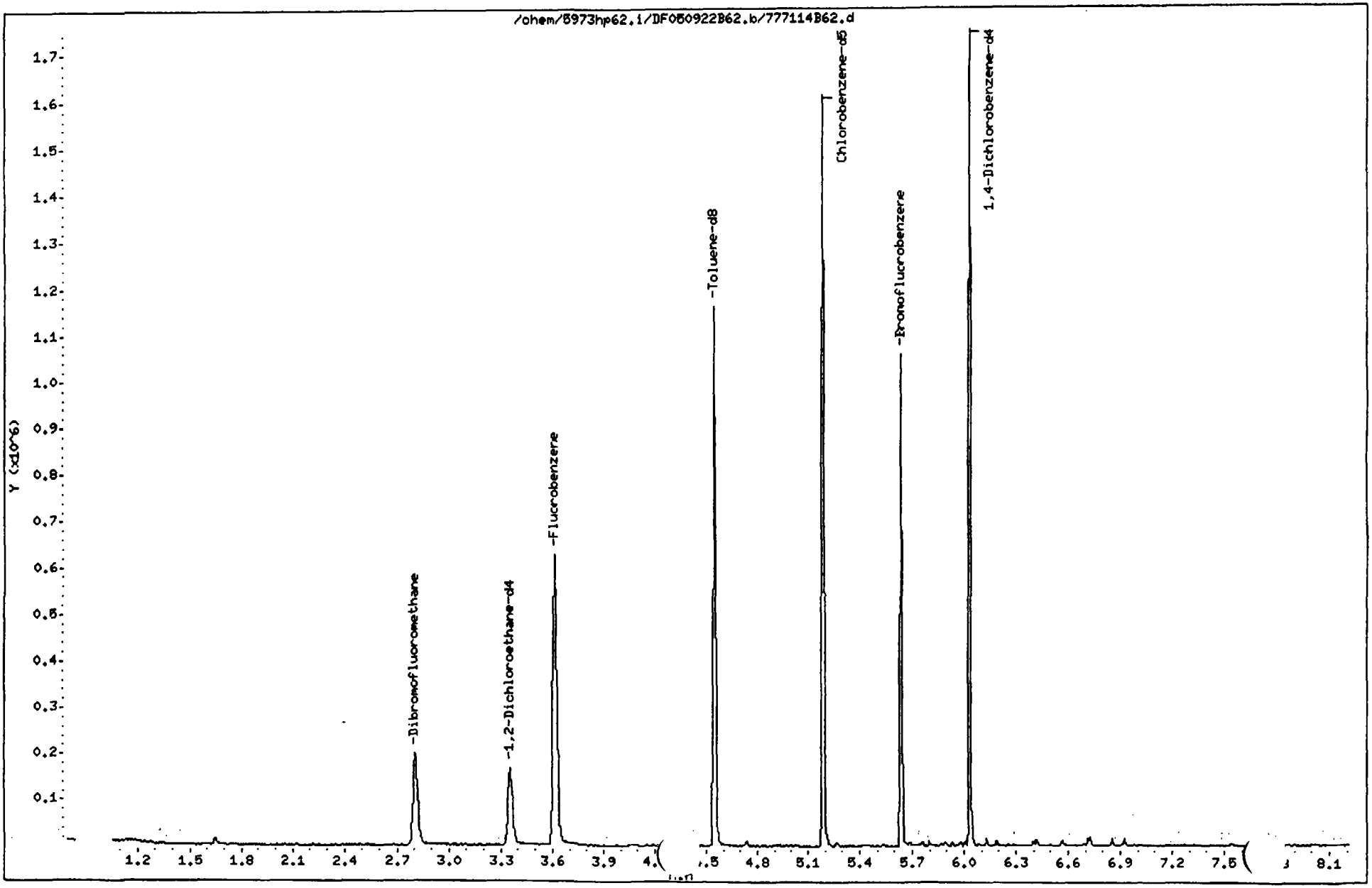
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777114B62.d
Date : 23-SEP-2005 00:21
Client ID: ACSGWMW4426
Sample Info: 777114:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777114B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777114B62.d
Lab Smp Id: 777114 Client Smp ID: ACSGWMW4426
Inj Date : 23-SEP-2005 00:21
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777114:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 28
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	3.621	3.620	(1.000)	511371	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	415510	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	210025	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.774)	129315	195.843	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	127663	196.013	39
$ 6 Toluene-d8	98	4.552	4.551	(0.877)	411416	237.557	48
$ 7 Bromofluorobenzene	95	5.640	5.640	(0.935)	166501	239.631	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.					

AMT 9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777114B62.d
Report Date: 23-Sep-2005 07:23

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/5973hp62.i/DF050922B62.b/777114B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777114B62.d
Lab Smp Id: 777114 Client Smp ID: ACSGWMW4426
Inj Date : 23-SEP-2005 00:21
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777114:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 28
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.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	15	
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	1.3	J
95-50-1	1,2-Dichlorobenzene	1.7	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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22.				
23.				
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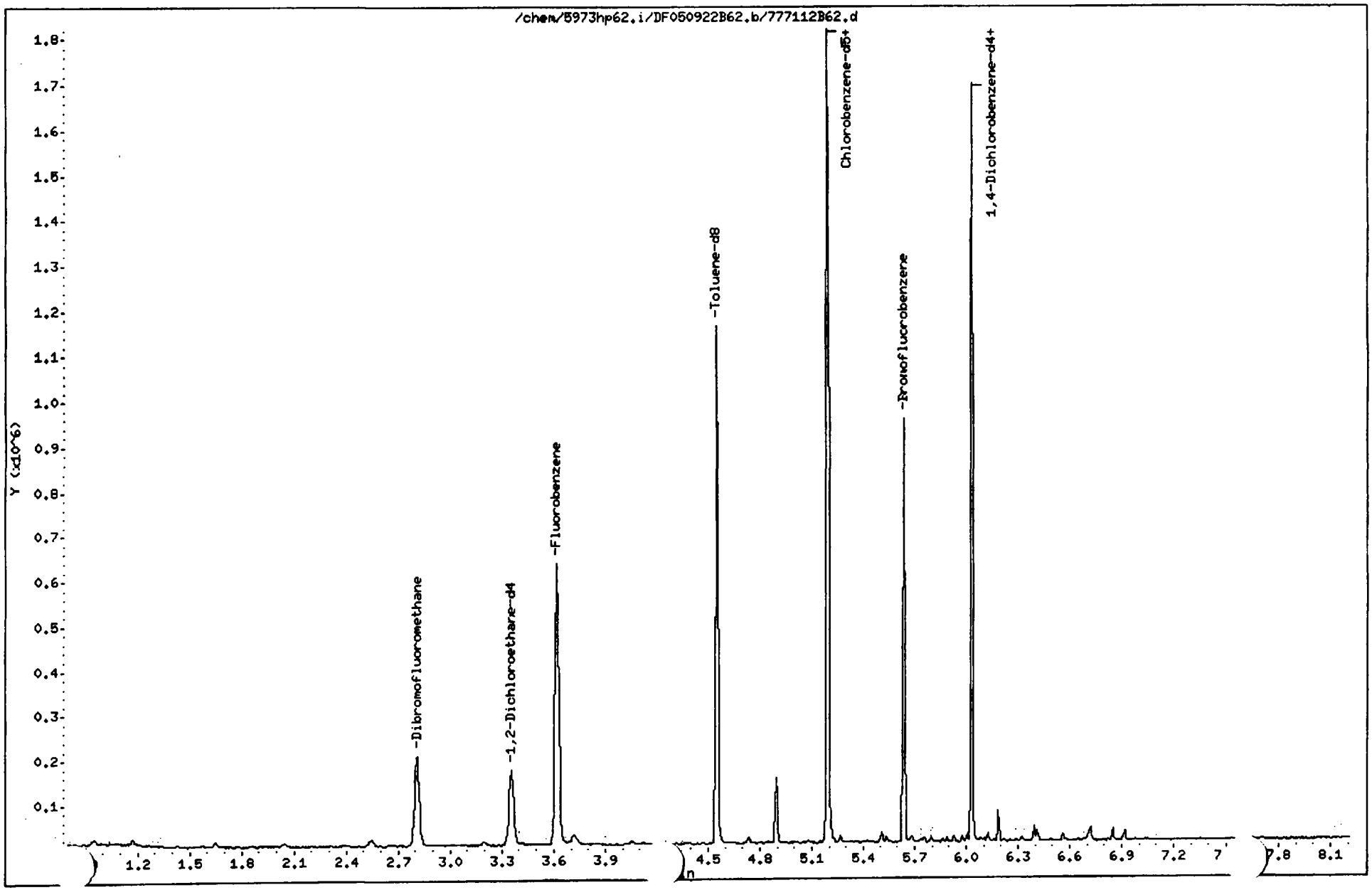
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d
Date : 22-SEP-2005 23:51
Client ID: ACSGWMW4526
Sample Info: 777112:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777112B62.d
Lab Smp Id: 777112 Client Smp ID: ACSGWMW4526
Inj Date : 22-SEP-2005 23:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777112:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 26
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	3.620	3.620	(1.000)	524657	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	417436	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	209636	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	127906	188.804	38
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	124997	187.059	37
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	411094	236.276	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	164242	236.819	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.					

9.23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d
Report Date: 23-Sep-2005 07:23

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.					
1,1,2-Trichloroethane	97	Compound Not Detected.					
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	5.194	5.194	(1.001)	143599	72.6632	15
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	6.037	6.043	(1.001)	9756	6.45481	1.3(a)
94 1,2-Dichlorobenzene	146	6.184	6.190	(1.025)	12593	8.47121	1.7(a)
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/5973hp62.i/DF050922B62.b/777112B62.d

Date : 22-SEP-2005 23:51

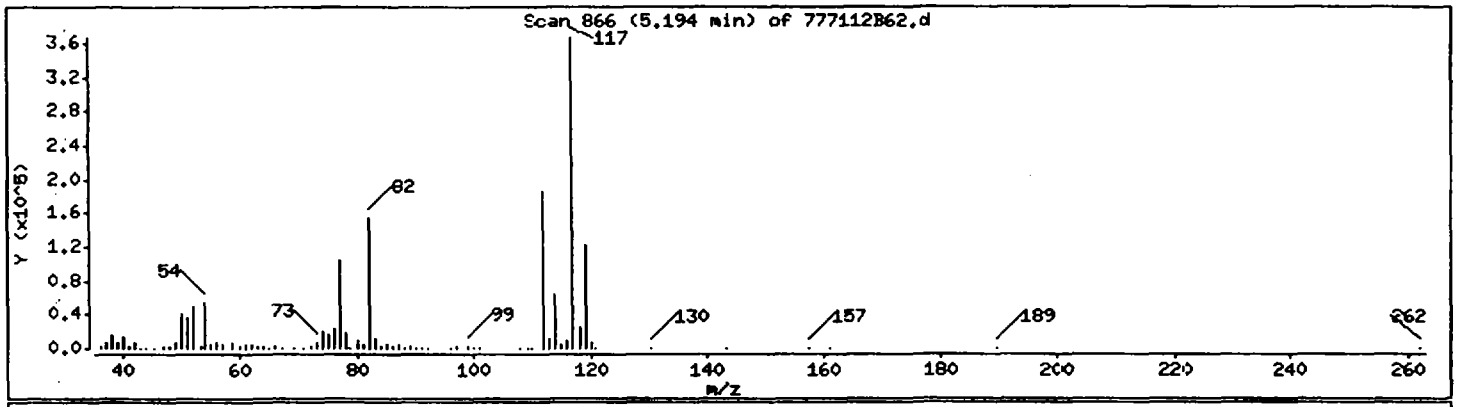
Client ID: ACSGWMW4526 | Instrument: 5973hp62.i

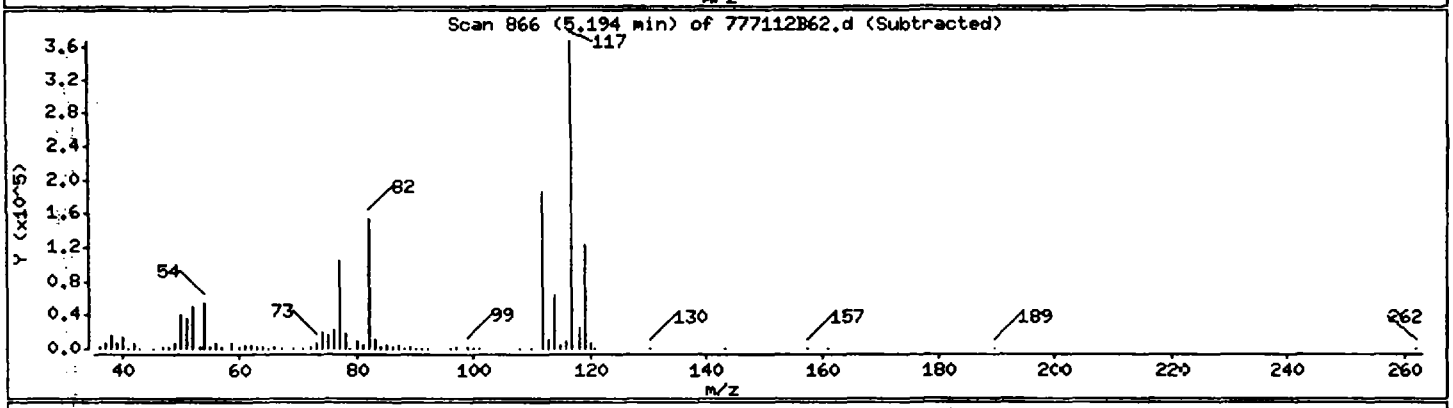
Sample Info: 777112:2323

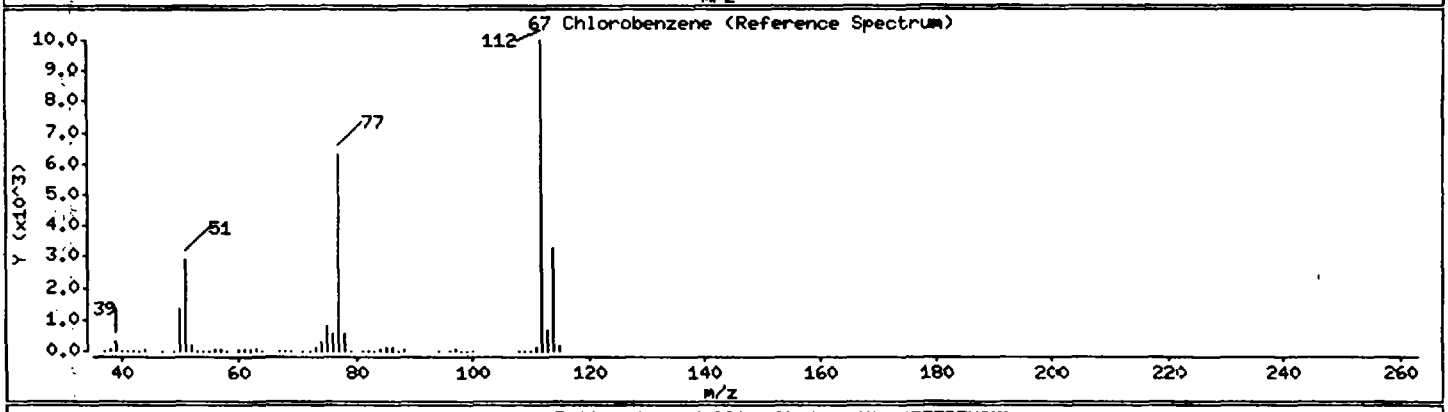
Purge Volume: 5.0 | Operator: 2323

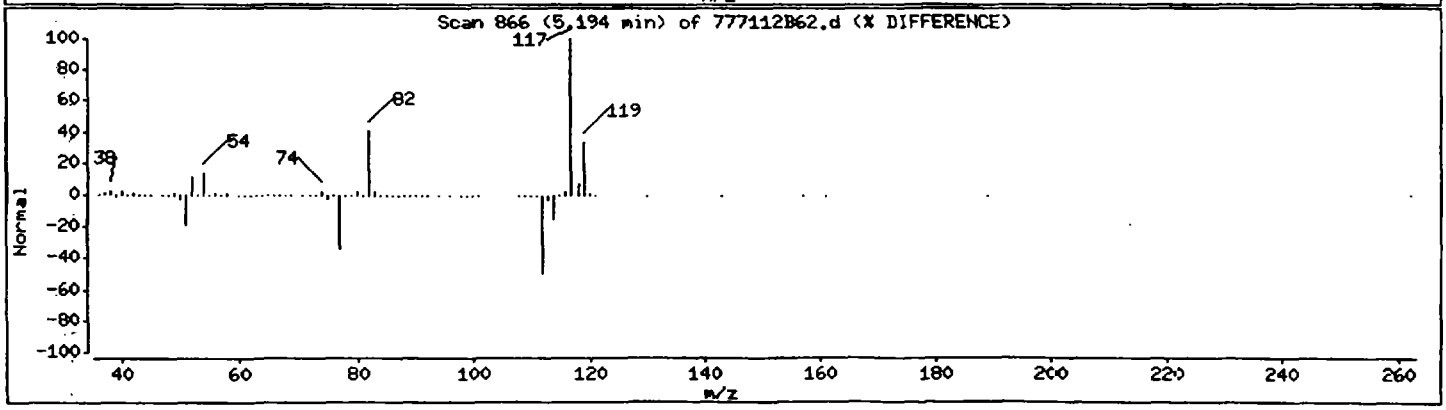
Column phase: RTX-VMS | Column diameter: 0.18

67 Chlorobenzene | Concentration: 15 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d

Date : 22-SEP-2005 23:51

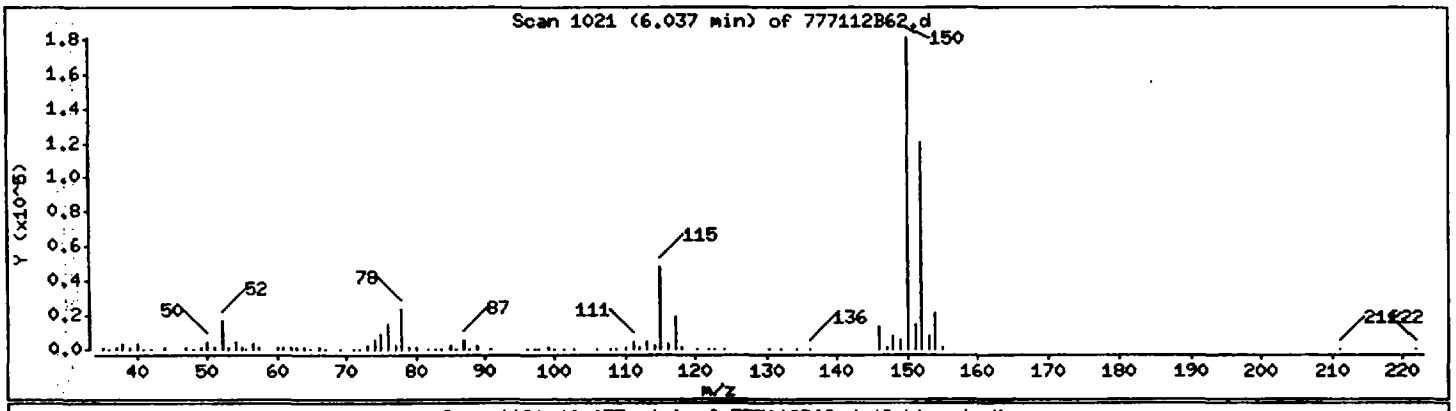
Client ID: ACSGWMW4526 Instrument: 5973hp62.i

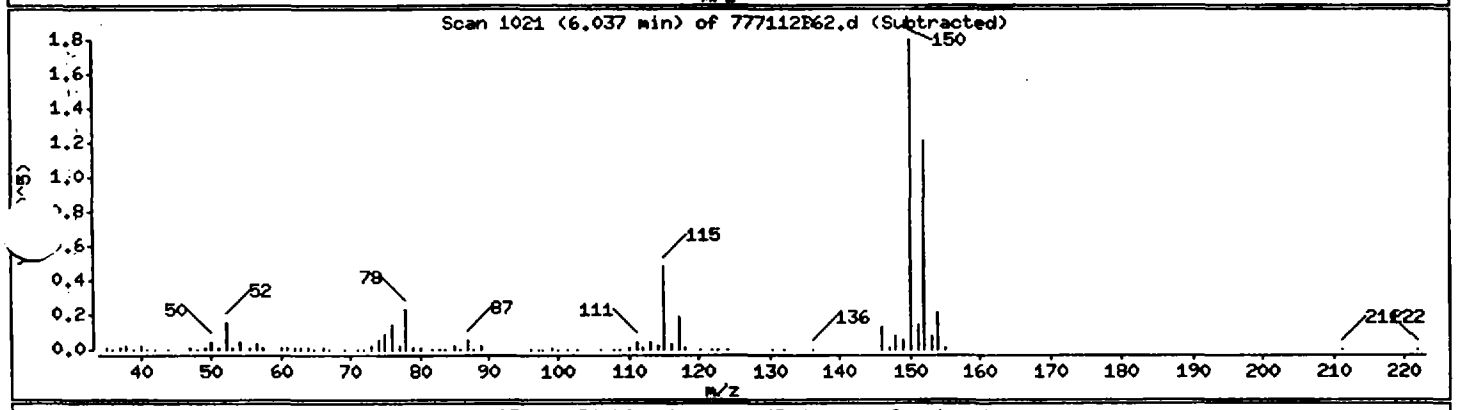
Sample Info: 777112:2323

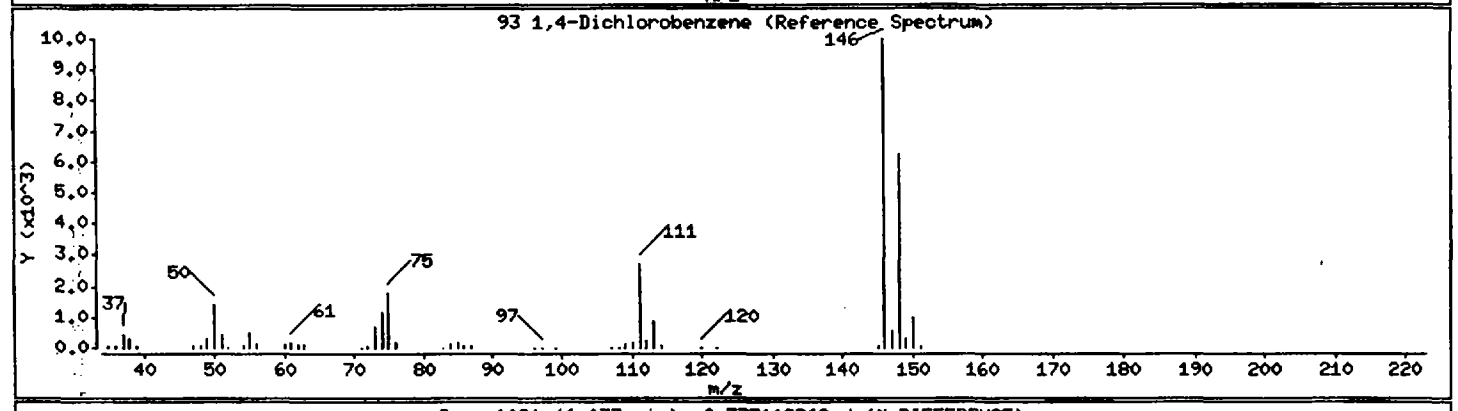
Purge Volume: 5.0 Operator: 2323

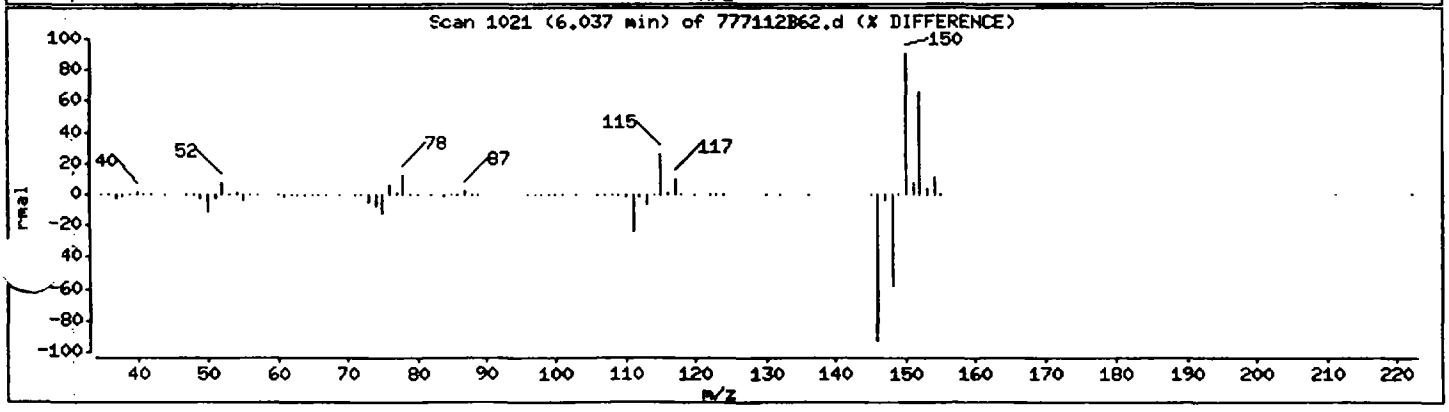
Column phase: RTX-VMS Column diameter: 0.18

93 1,4-Dichlorobenzene Concentration: 1.3 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d

Date : 22-SEP-2005 23:51

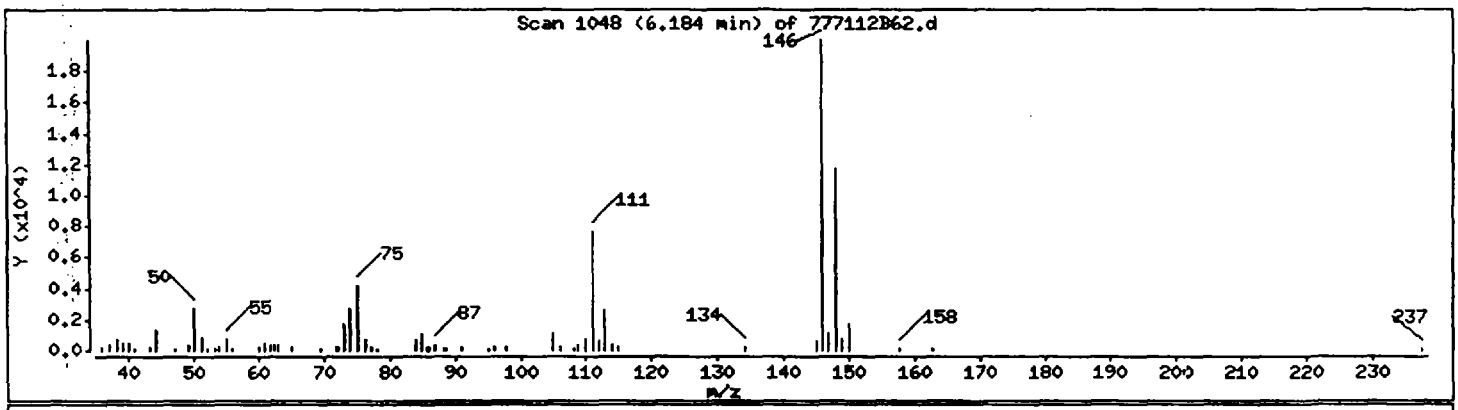
Client ID: ACSGWMW4526 | Instrument: 5973hp62.i

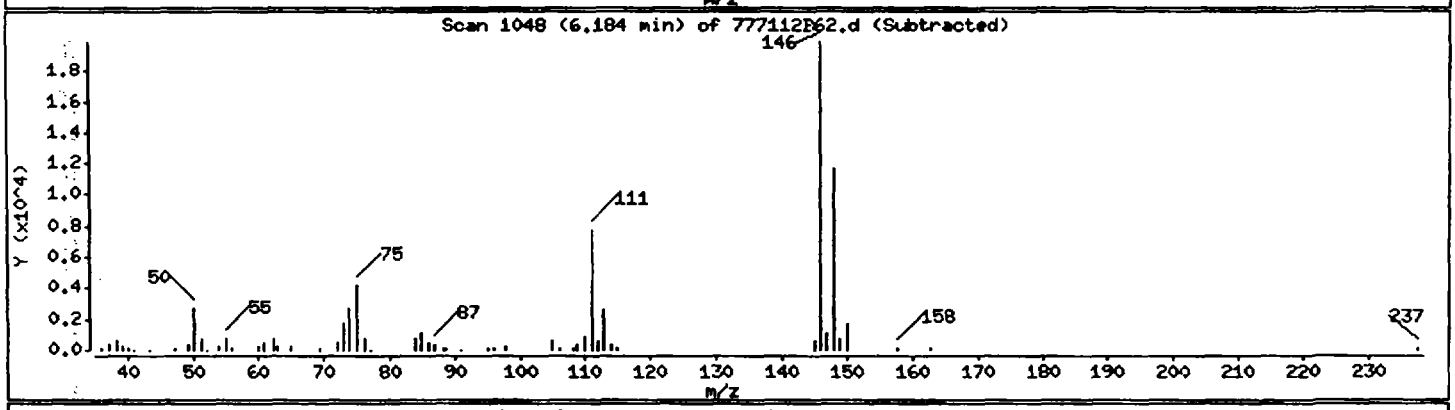
Sample Info: 777112:2323

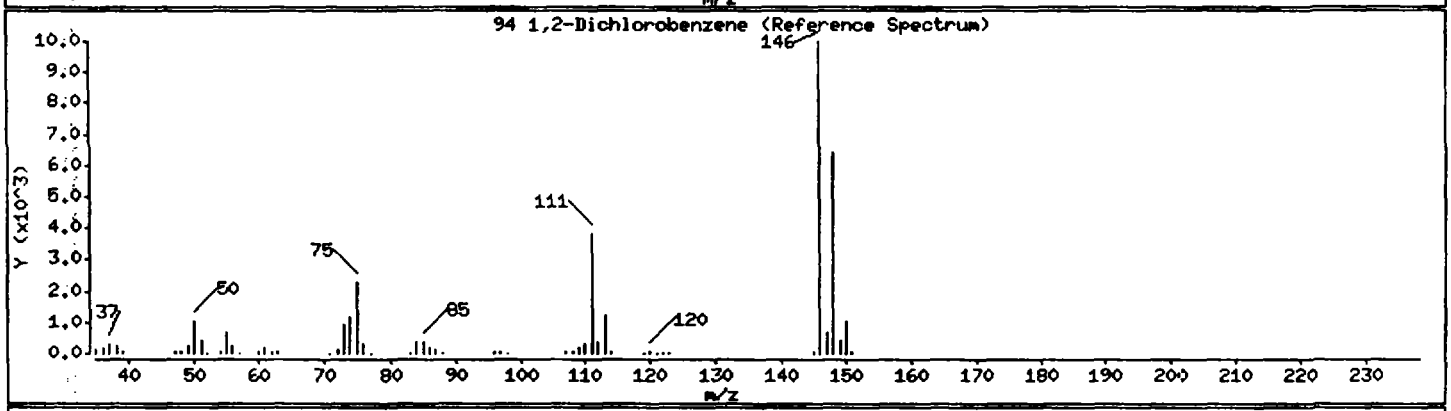
Purge Volume: 5.0 | Operator: 2323

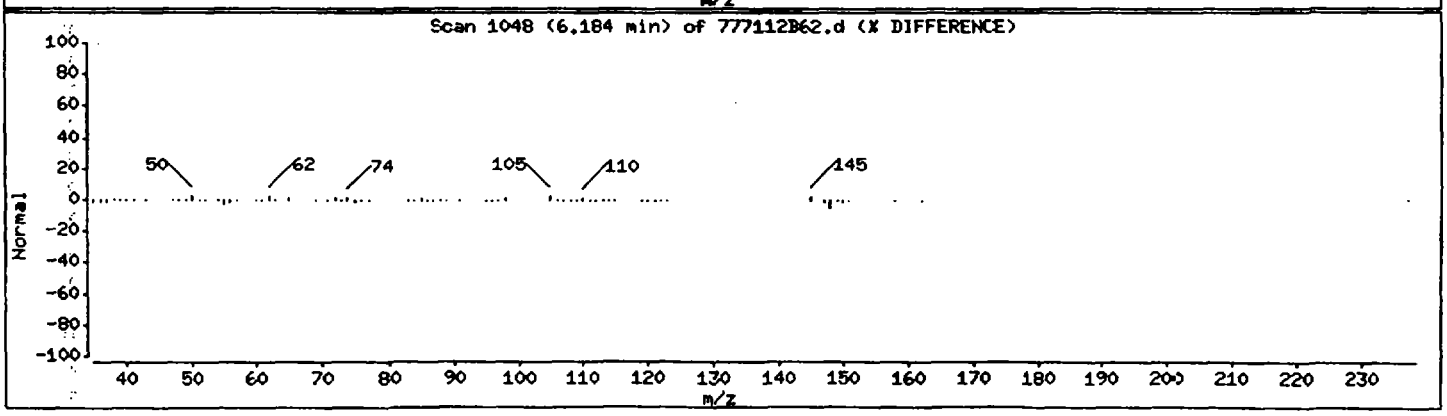
Column phase: RTX-VMS | Column diameter: 0.18

94 1,2-Dichlorobenzene | Concentration: 1.7 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/777112B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777112B62.d
Lab Smp Id: 777112 Client Smp ID: ACSGWMW4526
Inj Date : 22-SEP-2005 23:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777112:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 26
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.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	6.1	NJ
2.	UNKNOWN	0.92	13	J
3. 0-00-0	ETHENE, ETHYLOXY-	1.18	3400	NJ
4.	UNKNOWN	2.77	28	J
5. 123-91-1	1,4-DIOXANE	4.25	7.1	NJ
6.				
7.				
8.				
9.				
10.				
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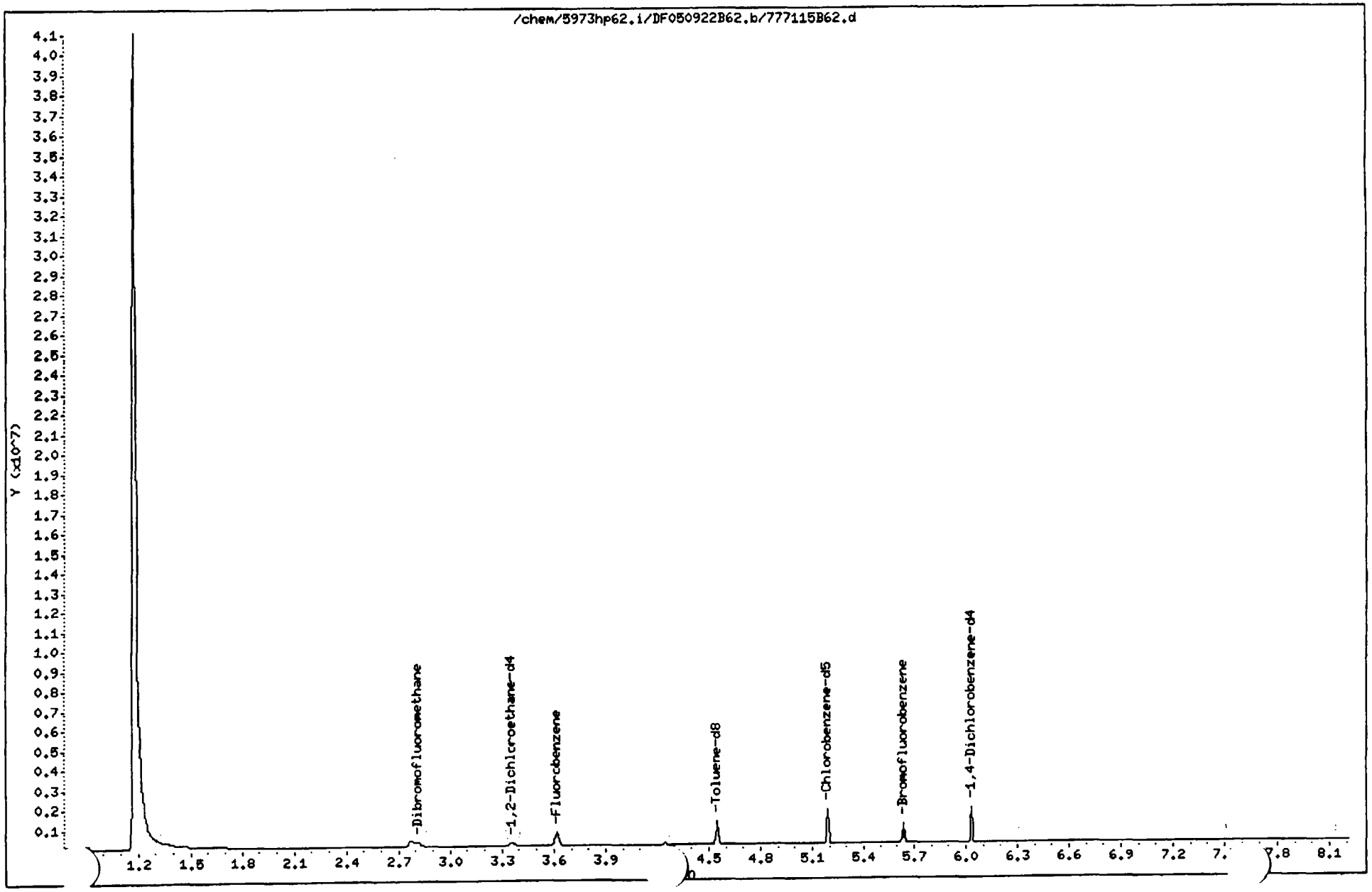
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d
Date : 23-SEP-2005 00:51
Client ID: ACSGWMW5126
Sample Info: 777115:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777115B62.d
Lab Smp Id: 777115 Client Smp ID: ACSGWMW5126
Inj Date : 23-SEP-2005 00:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777115:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 30
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	3.621	3.620	(1.000)	535806	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	431266	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	220809	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	138238	199.809	40
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	135105	197.979	40
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	420750	234.070	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	169042	231.407	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.					

MMT 9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d
Report Date: 23-Sep-2005 07:23

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.					
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/5973hp62.i/DF050922B62.b/777115B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777115B62.d
Lab Smp Id: 777115 Client Smp ID: ACSGWMW5126
Inj Date : 23-SEP-2005 00:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777115:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 30
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	3.621	1,094,879	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Propene, 2-methyl-				CAS #: 115-11-7			
0.784	132983	30.3647018	6.1	86	NBS129K.1	107981	1
Unknown				CAS #:			
0.915	288423	65.8571751	13	0		0	1
Ethene, ethyloxy-				CAS #: 0-00-0			
1.176	74025282	16902.6150	3400	90	NBS129K.1	370	1

Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d
Report Date: 23-Sep-2005 07:23

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.771	616284	140.719645	28	0		0	1
1,4-Dioxane				CAS #: 123-91-1			
4.247	156402	35.7120595	7.1	91	NBS129K.1	108820	1

Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d

Date : 23-SEP-2005 00:51

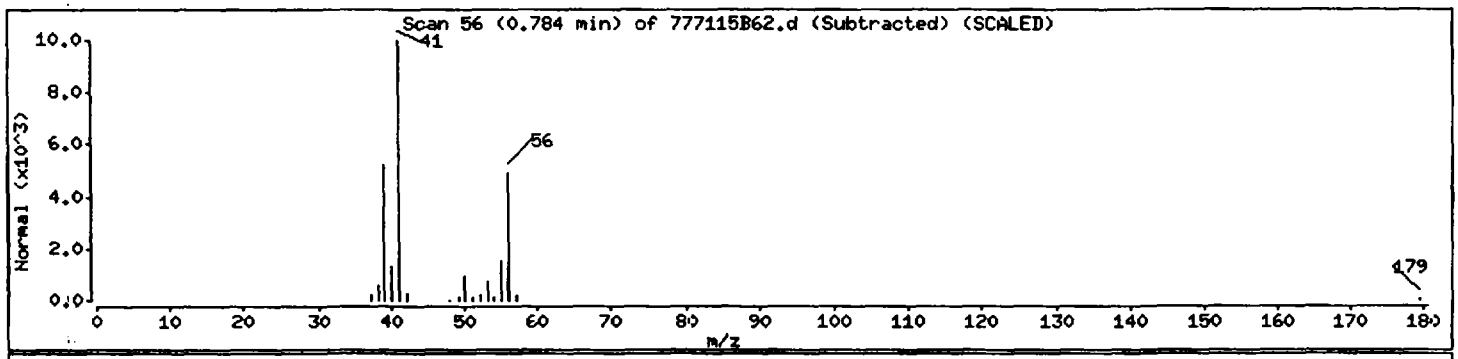
Client ID: ACSGWMW5126 Instrument: 5973hp62.i

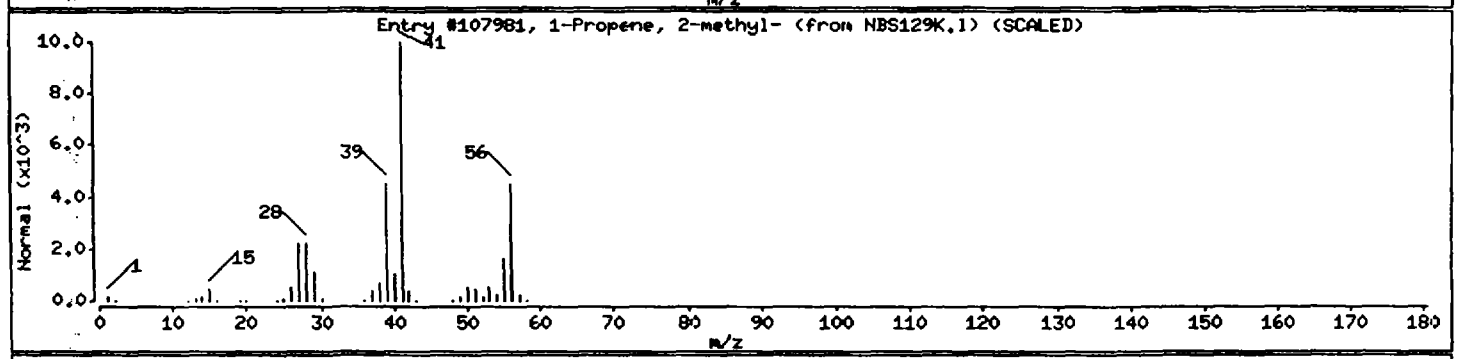
Sample Info: 777115:2323

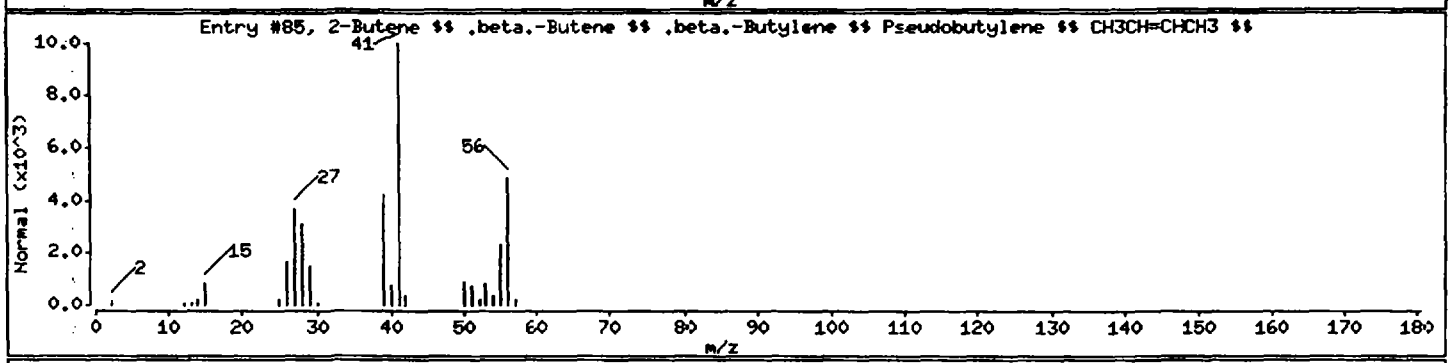
Purge Volume: 5.0 Operator: 2323

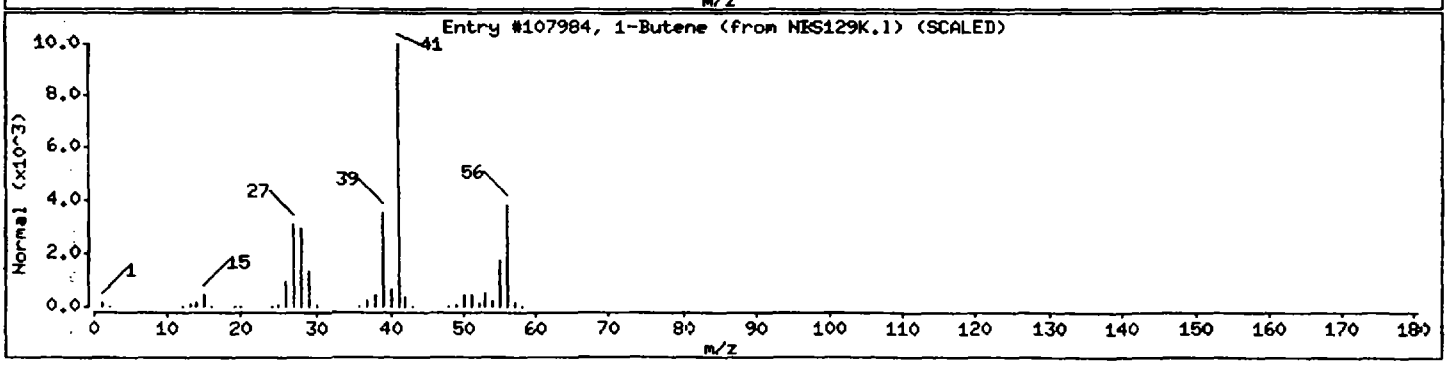
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Propene, 2-methyl-	115-11-7	NBS129K.l	107981	86	C4H8	56
2-Butene $$ .beta.-Butene $$ .beta.-Buty	107-01-7	NBS129K.l	85	59	C4H8	56
1-Butene	106-98-9	NBS129K.l	107984	49	C4H8	56









Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d

Date : 23-SEP-2005 00:51

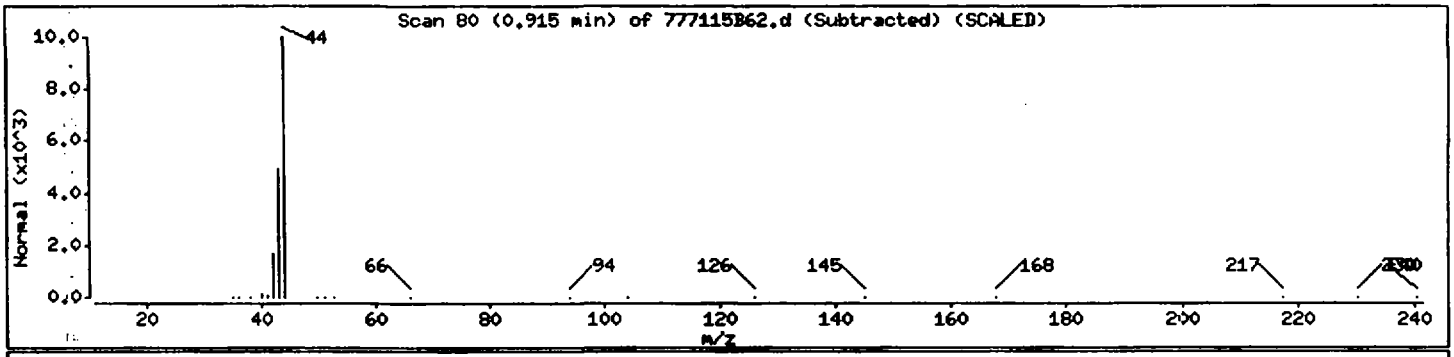
Client ID: ACSGWMW5126 Instrument: 5973hp62.i

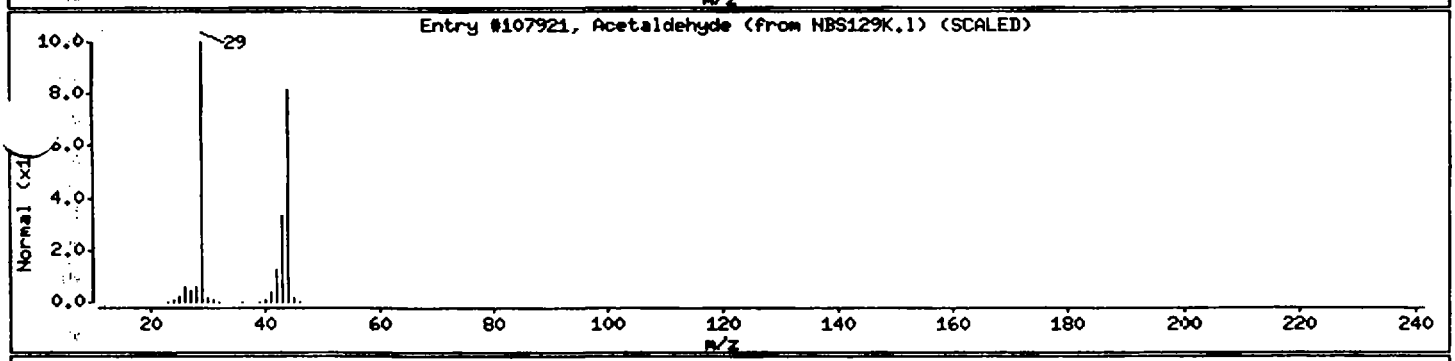
Sample Info: 777115:2323

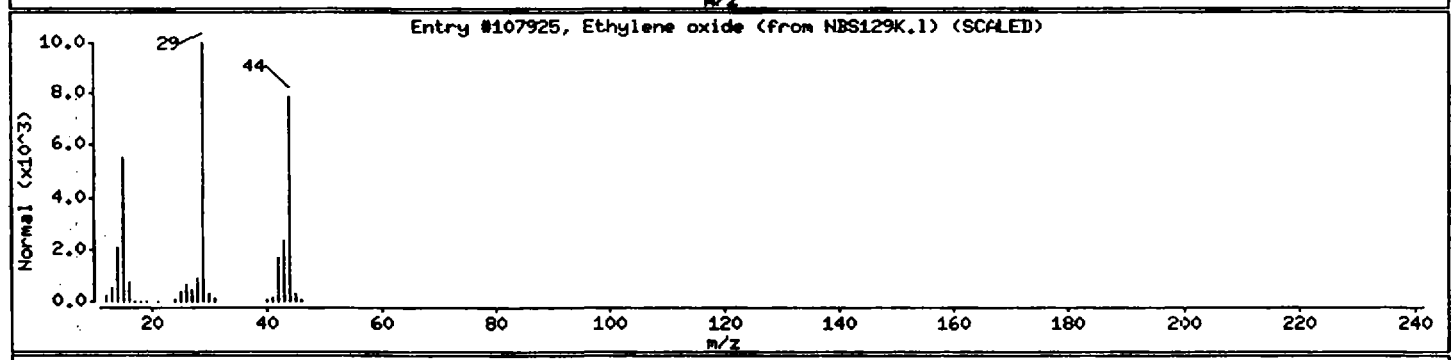
Purge Volume: 5.0 Operator: 2323

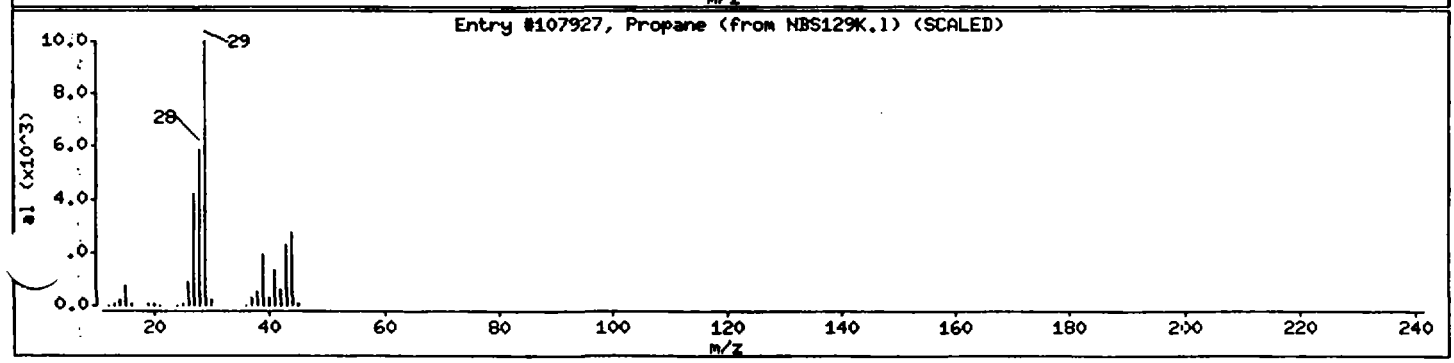
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaldehyde	75-07-0	NBS129K.l	107921	9	C2H4O	44
Ethylene oxide	75-21-8	NBS129K.l	107925	4	C2H4O	44
Propane	74-98-6	NBS129K.l	107927	3	C3H8	44









Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d

Date : 23-SEP-2005 00:51

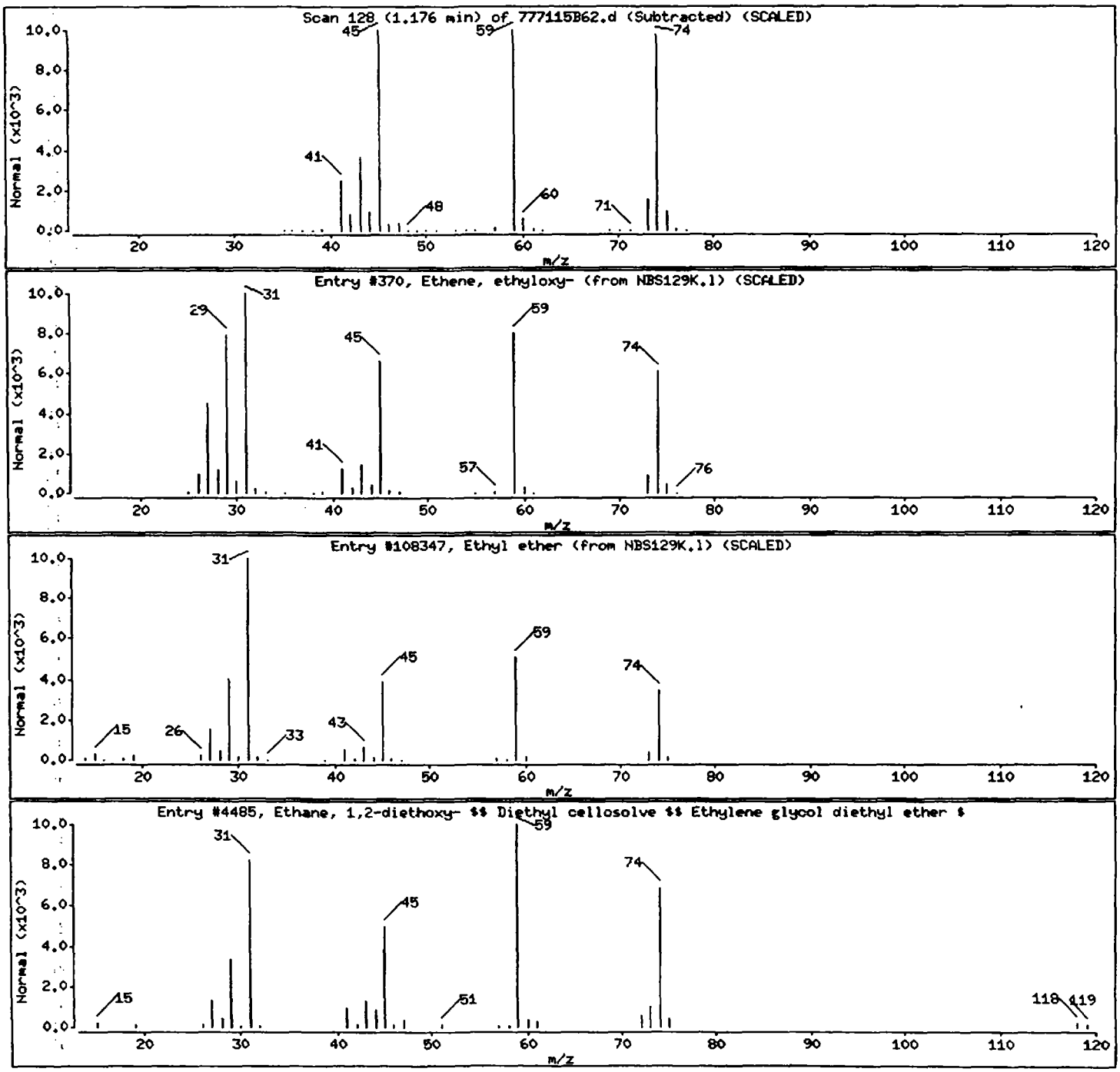
Client ID: ACSGWMW5126 Instrument: 5973hp62.i

Sample Info: 777115:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

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	108347	78	C4H10O	74
Ethane, 1,2-diethoxy- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	40	C6H14O2	118



Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d

Date : 23-SEP-2005 00:51

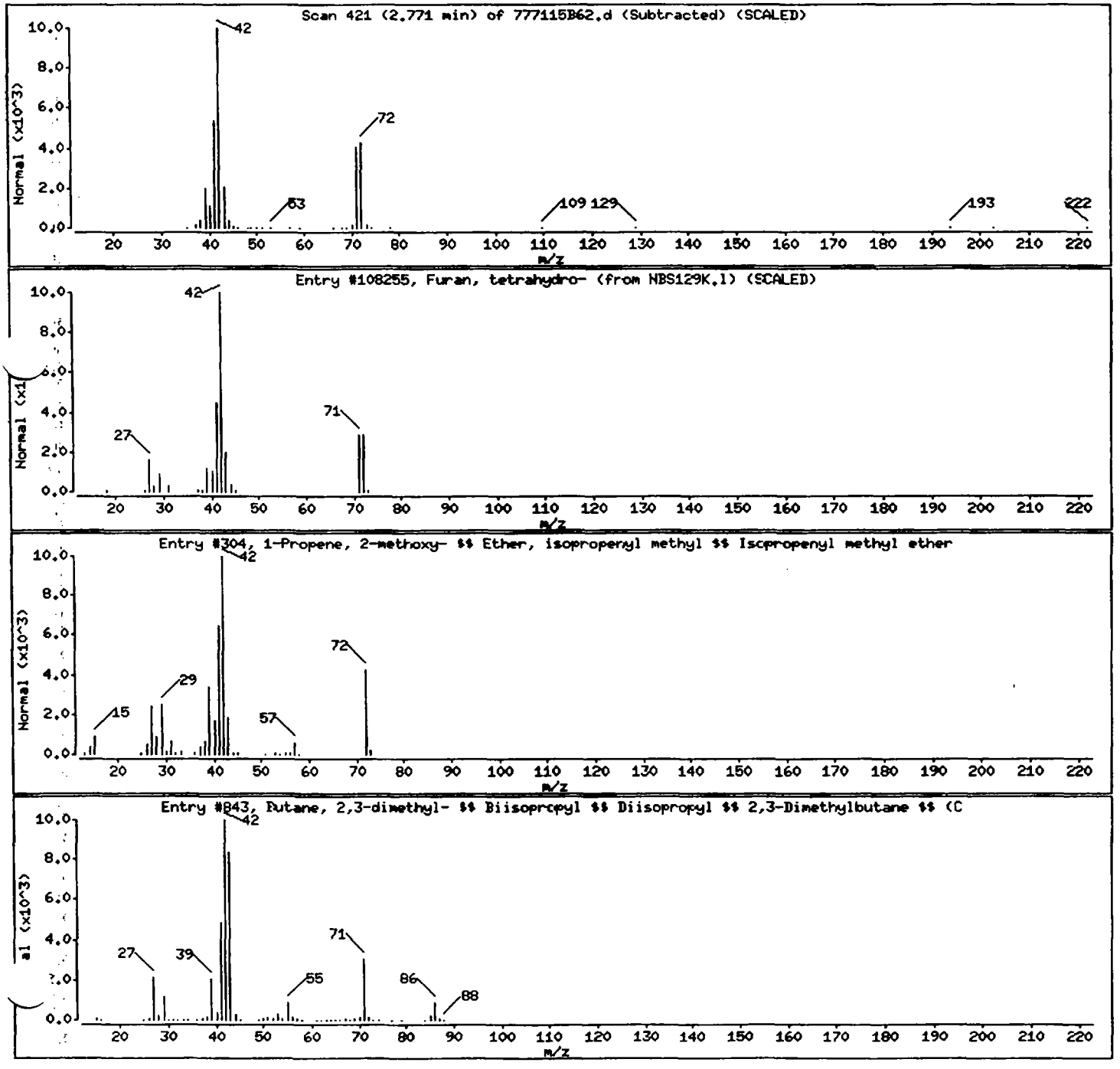
Client ID: ACSGWMW5126 Instrument: 5973hp62.i

Sample Info: 777115;2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Furan, tetrahydro-	109-99-9	NBS129K.l	108255	83	C4H8O	72
1-Propene, 2-methoxy- $$ Ether, isoprope	116-11-0	NBS129K.l	304	42	C4H8O	72
Butane, 2,3-dimethyl- $$ Biisopropyl $$	79-29-8	NBS129K.l	843	36	C6H14	86



Data File: /chem/5973hp62.i/DF050922B62.b/777115B62.d

Date : 23-SEP-2005 00:51

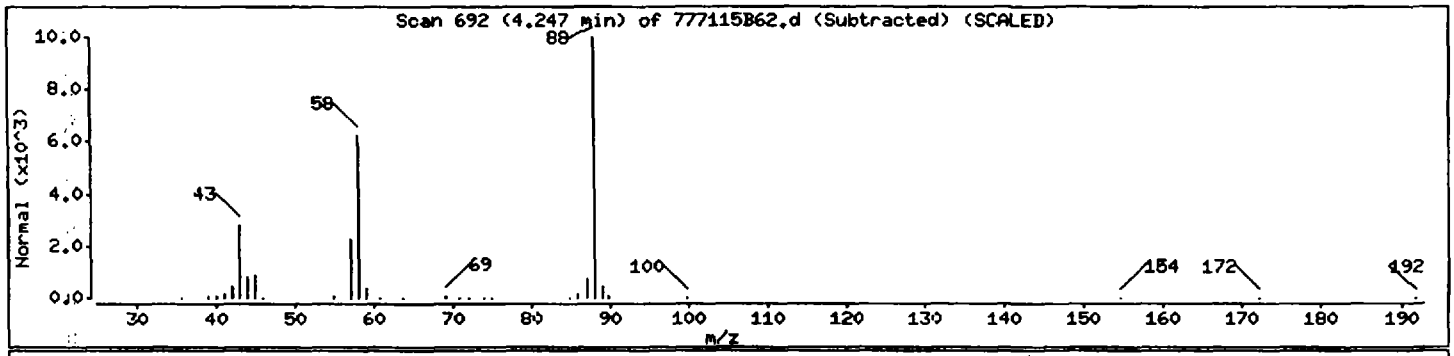
Client ID: ACSGWMW5126 Instrument: 5973hp62.i

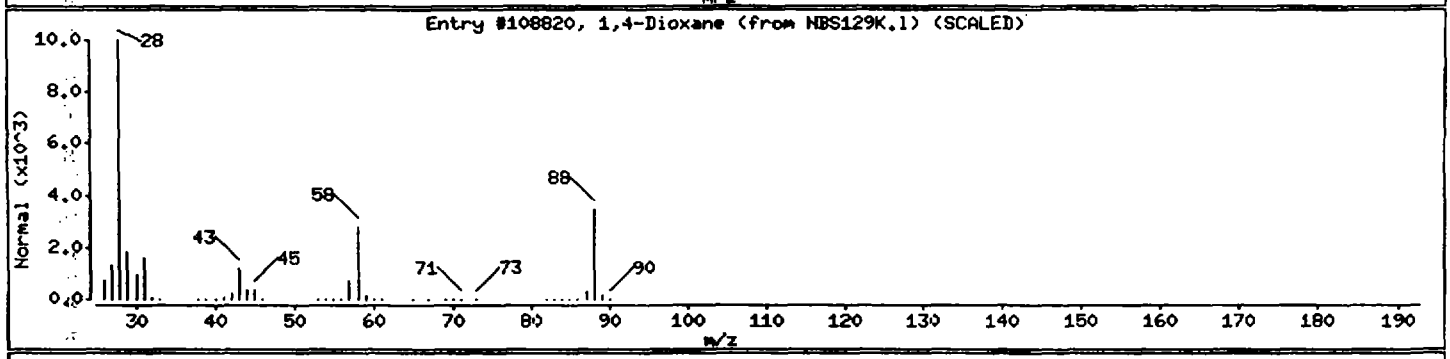
Sample Info: 777115:2323

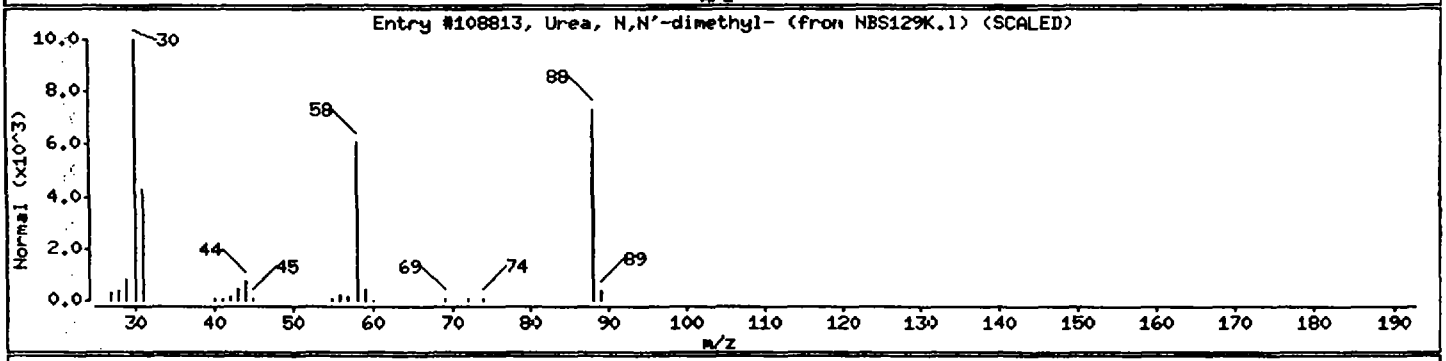
Purge Volume: 5.0 Operator: 2323

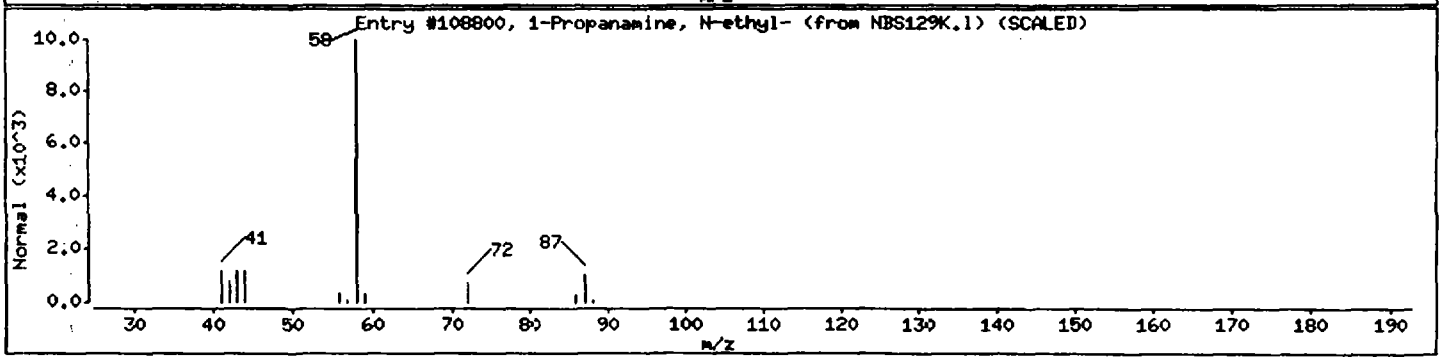
Column phase: RTX-VMS Column diameter: 0.18

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	56	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	27	C5H13N	87









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.94	9.3	J
2. 0-00-0	ETHENE, ETHYLOXY-	1.18	3100	NJ
3. 123-91-1	1,4-DIOXANE	4.25	6.0	NJ
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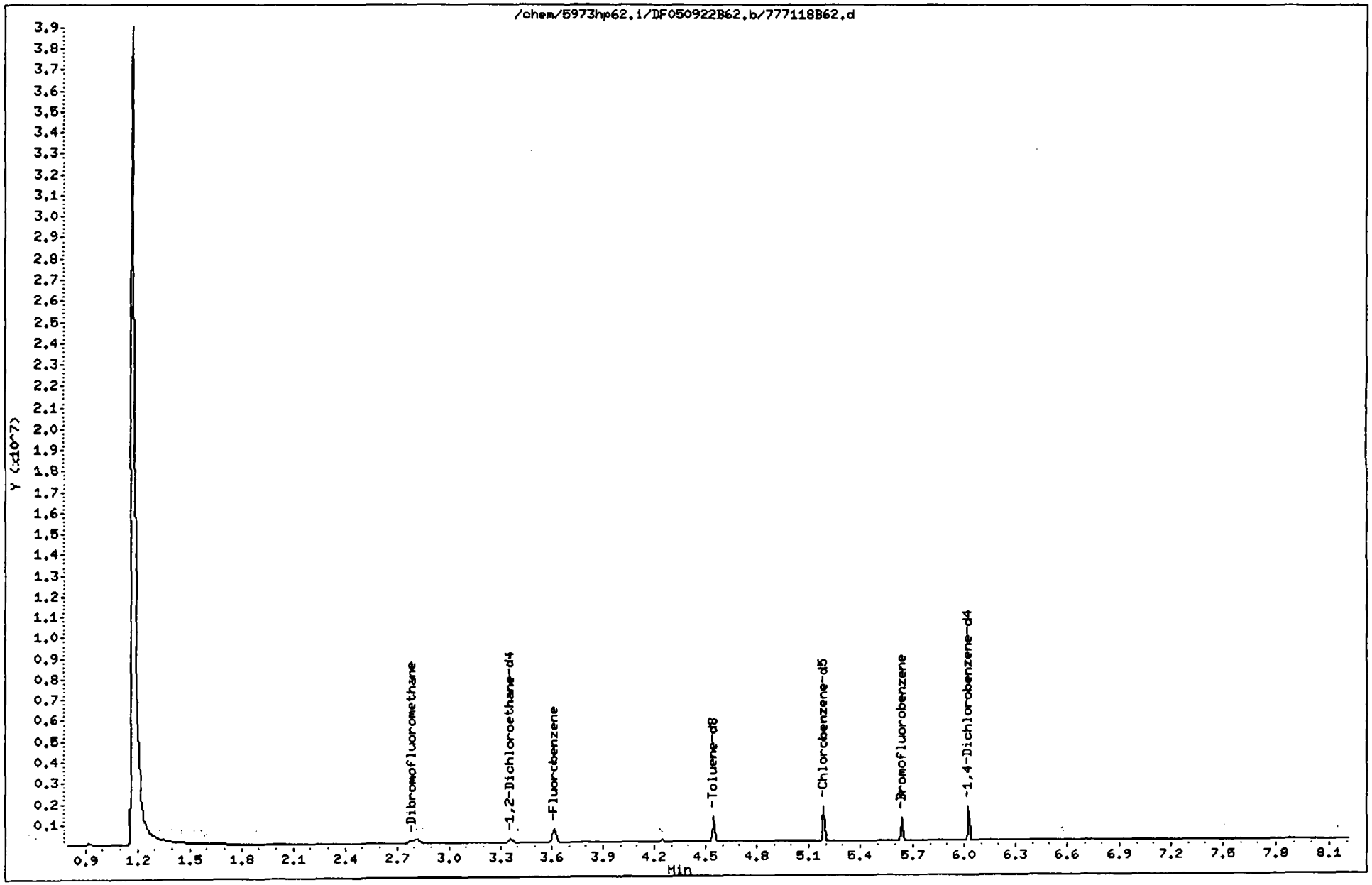
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d
Date : 23-SEP-2005 01:51
Client ID: ACSGWMW5226
Sample Info: 777118:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d
ort Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777118B62.d
Lab Smp Id: 777118 Client Smp ID: ACSGWMW5226
Inj Date : 23-SEP-2005 01:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777118:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 36
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	3.621	3.620	(1.000)	539301	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	427329	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.027	6.037	(1.000)	219144	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	132481	190.247	38
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	133823	194.829	39
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	416271	233.712	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.935)	168161	231.950	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.					

MMH 9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d
Report Date: 23-Sep-2005 07:23

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/5973hp62.i/DF050922B62.b/777118B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777118B62.d
Lab Smp Id: 777118 Client Smp ID: ACSGWMW5226
Inj Date : 23-SEP-2005 01:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777118:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 36
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	3.621	1096633	250.000

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
0.937	203366	46.3613896	9.3	0		0	1
Ethene, ethyloxy-					CAS #: 0-00-0		
1.176	66969879	15267.1509	3100	90	NBS129K.l	370	1
1,4-Dioxane					CAS #: 123-91-1		
4.247	131537	29.9866351	6.0	91	NBS129K.l	108820	1

Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d

Date : 23-SEP-2005 01:51

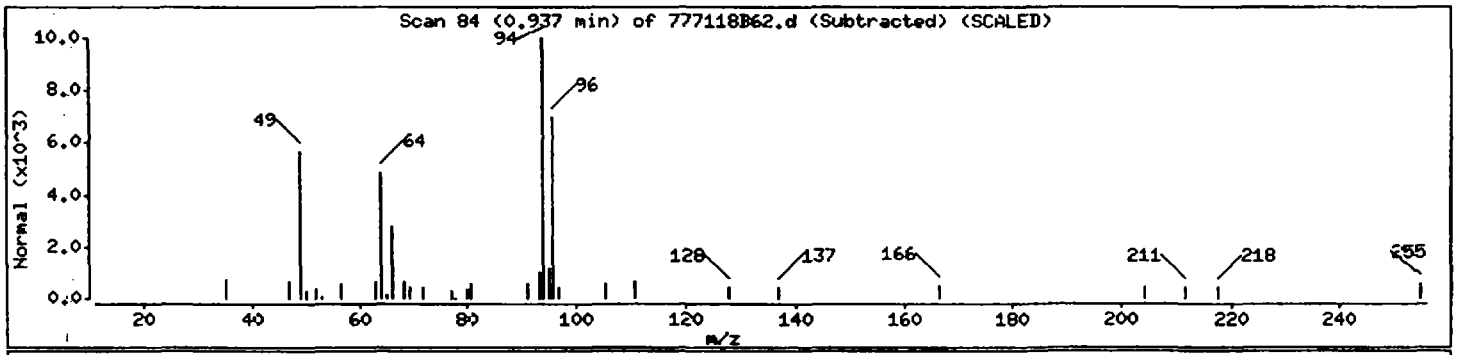
Client ID: ACSGWHW5226 Instrument: 5973hp62.i

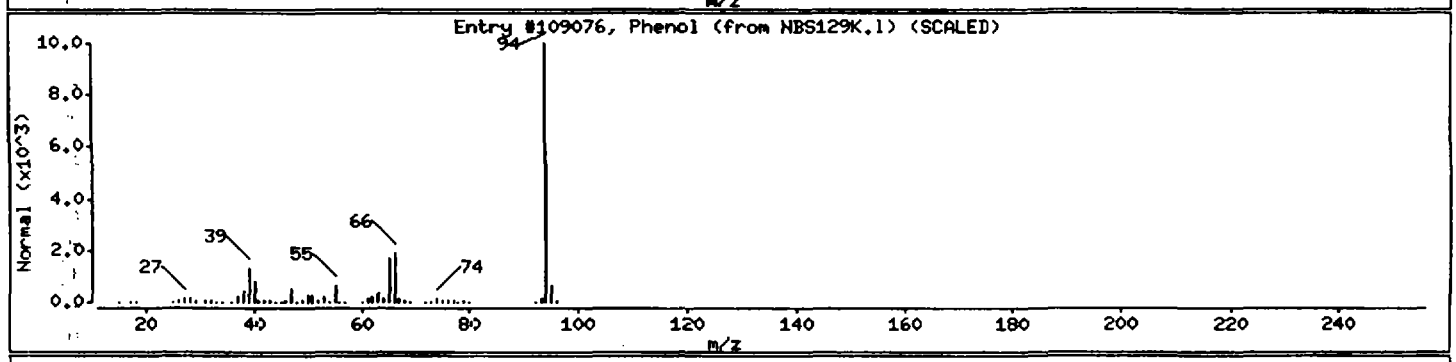
Sample Info: 777118:2323

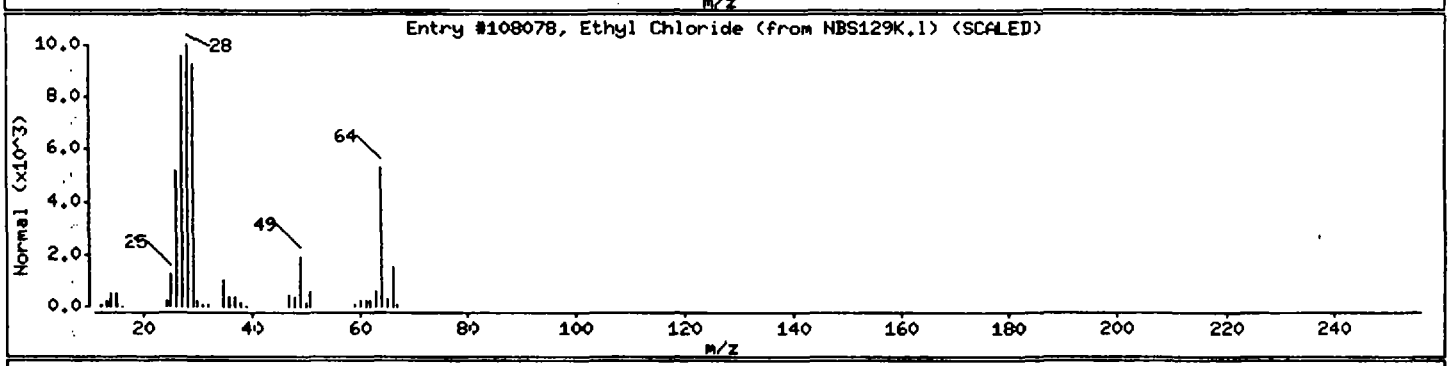
Purge Volume: 5.0 Operator: 2323

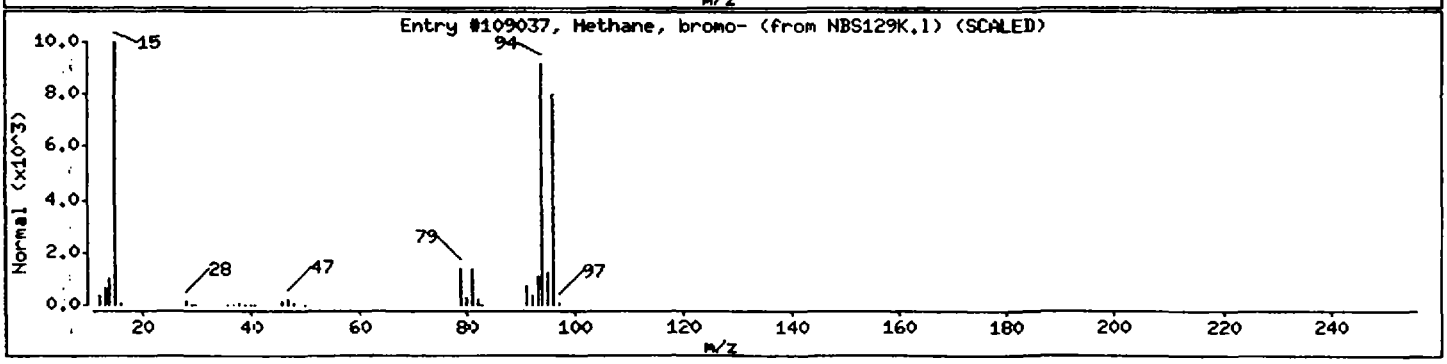
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Phenol	108-95-2	NBS129K.l	109076	18	C6H6O	94
Ethyl Chloride	75-00-3	NBS129K.l	108078	12	C2H5Cl	64
Methane, bromo-	74-83-9	NBS129K.l	109037	10	CH3Br	94









Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d

Date : 23-SEP-2005 01:51

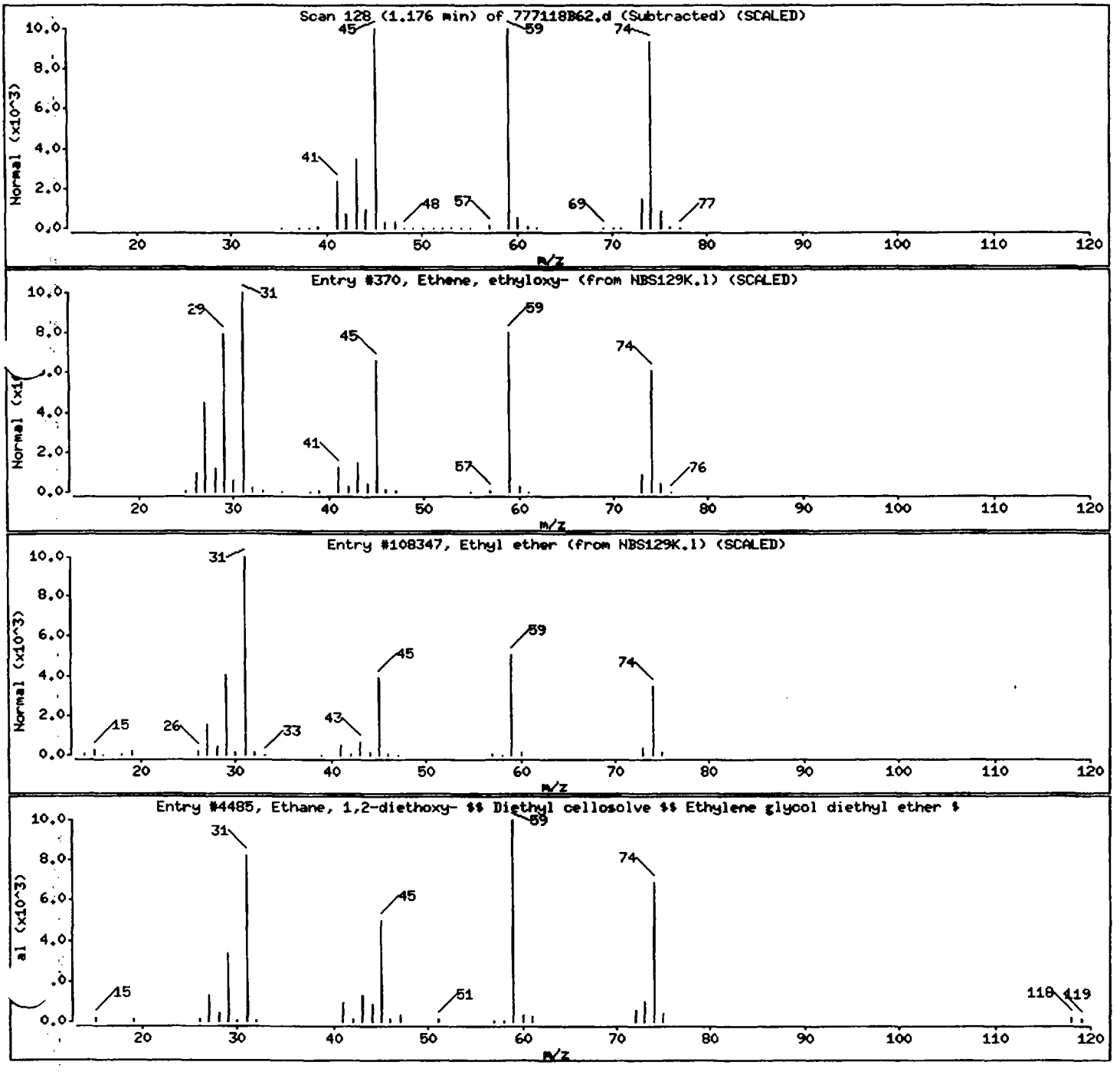
Client ID: ACSCWHM5226 Instrument: 5973hp62.i

Sample Info: 777118;2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

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	108347	83	C4H10O	74
Ethane, 1,2-diethoxy- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	50	C6H14O2	118



Data File: /chem/5973hp62.i/DF050922B62.b/777118B62.d

Date : 23-SEP-2005 01:51

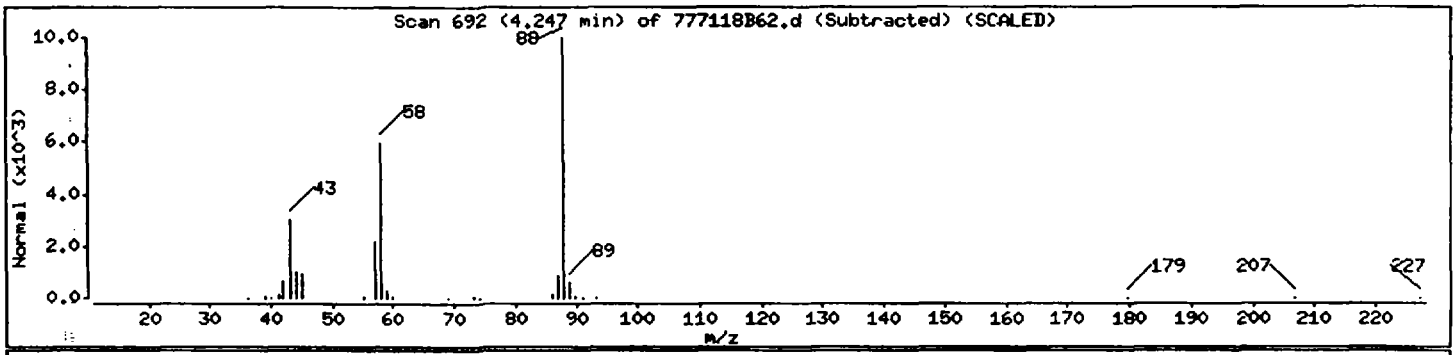
Client ID: ACSGWMW5226 Instrument: 5973hp62.i

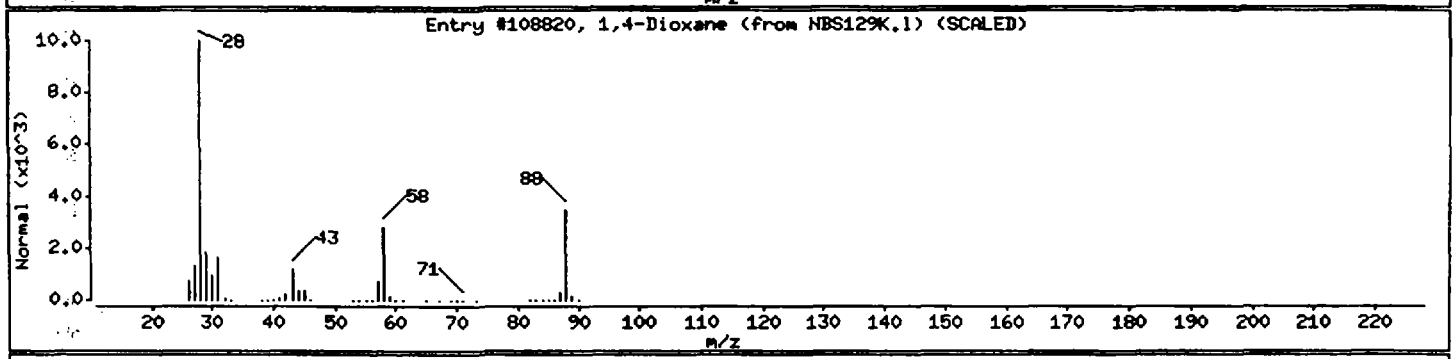
Sample Info: 777118:2323

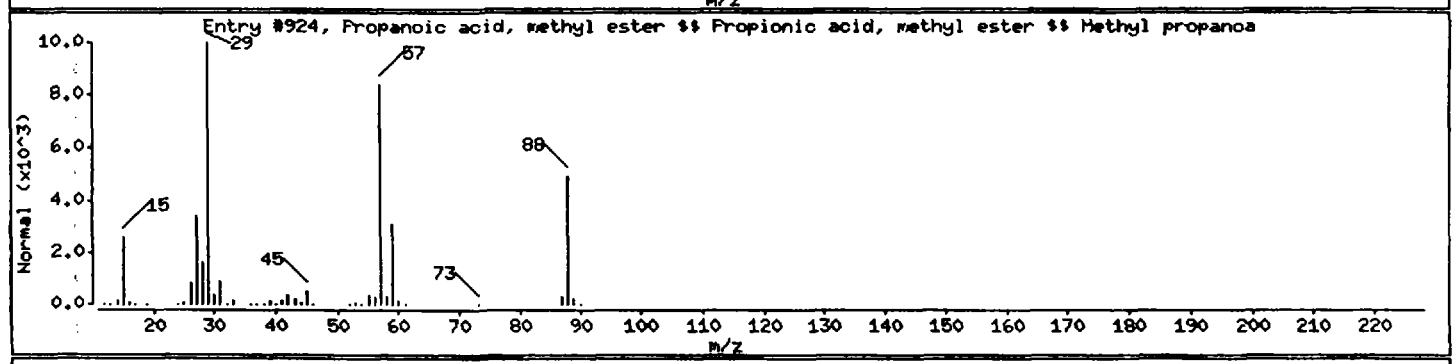
Purge Volume: 5.0 Operator: 2323

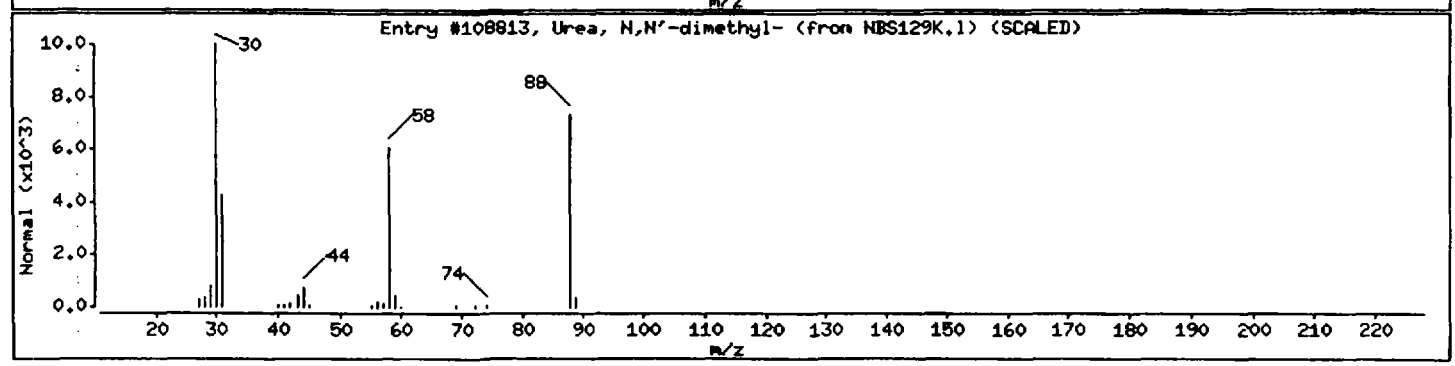
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108820	91	C4H8O2	88
Propanoic acid, methyl ester $$ Propioni	554-12-1	NBS129K.l	924	43	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	40	C3H8N2O	88









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	7.6	
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.

ACSGWMW5326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	6.6	NJ
2. 60-29-7	ETHYL ETHER	1.18	9.4	NJ
3. 109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ
4. 123-91-1	1,4-DIOXANE	4.25	18	NJ
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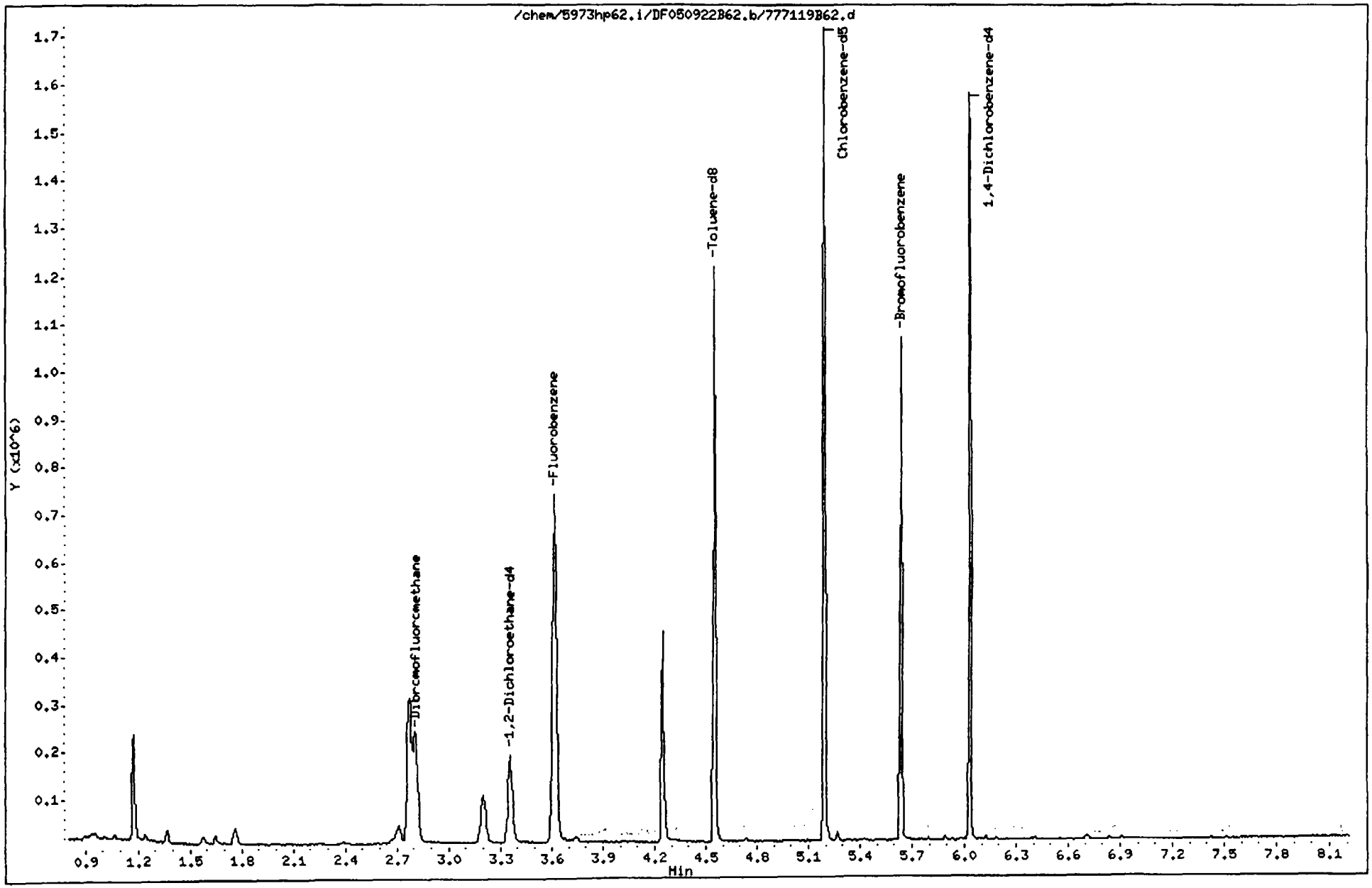
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d
Date : 23-SEP-2005 02:11
Client ID: ACSGWMW5326
Sample Info: 777119:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777119B62.d
Lab Smp Id: 777119 Client Smp ID: ACSGWMW5326
Inj Date : 23-SEP-2005 02:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777119:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 38
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	3.621	3.620	(1.000)	543506	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	440215	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	222734	250.000	
$ 4 Dibromofluoromethane	113	2.810	2.809	(0.776)	138902	197.924	40
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	134203	193.871	39
$ 6 Toluene-d8	98	4.552	4.551	(0.877)	431202	235.008	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	173223	235.081	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.					

mrt 9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d
Report Date: 23-Sep-2005 07:23

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	3.196	3.201	(0.883)	108067	37.9785	7.6
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/5973hp62.i/DF050922B62.b/777119B62.d

Date : 23-SEP-2005 02:11

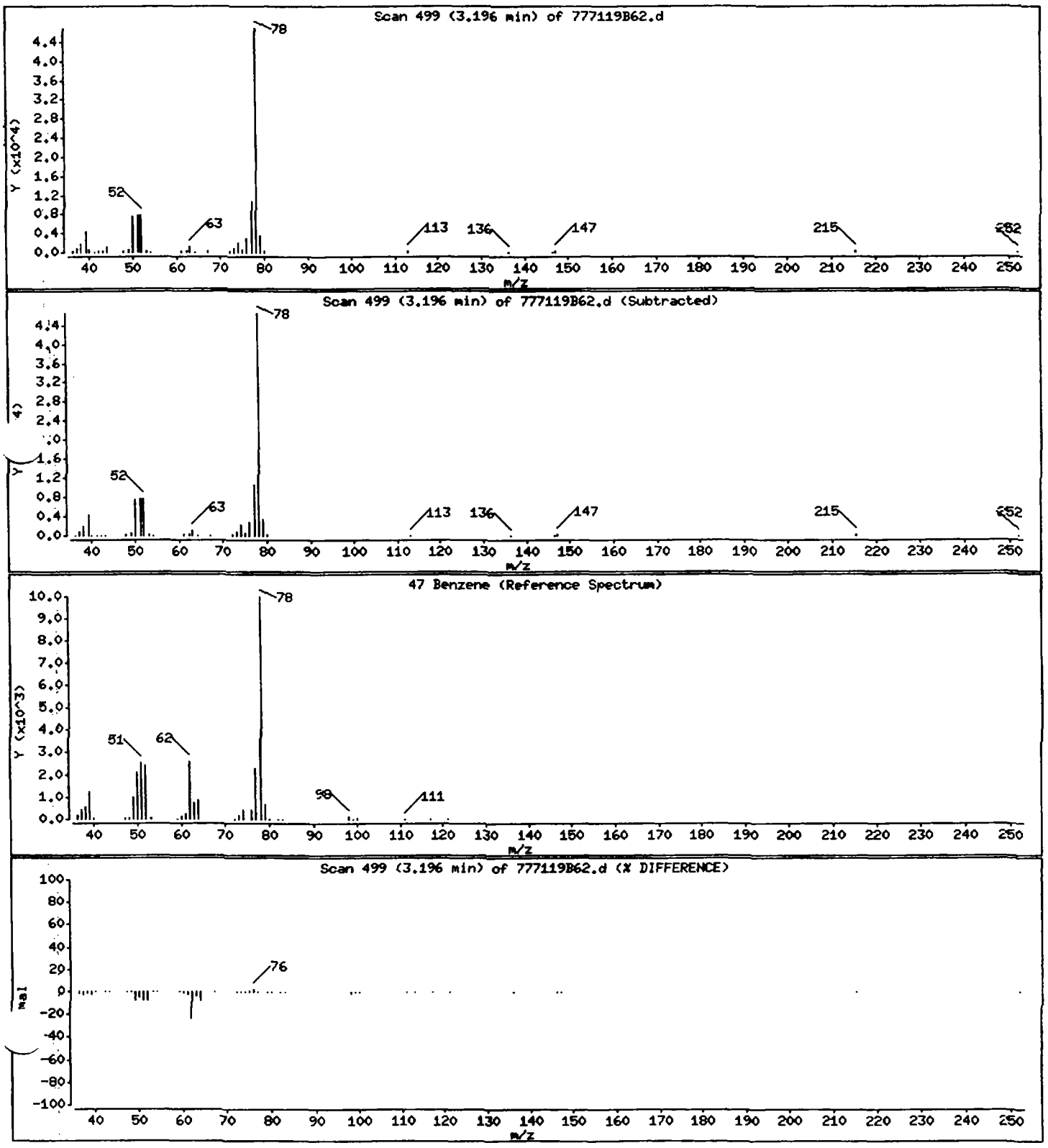
Client ID: ACSGWMW5326 Instrument: 5973hp62.i

Sample Info: 777119:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

47 Benzene Concentration: 7.6 ug/L



Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d
Report Date: 23-Sep-2005 07:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/777119B62.d
Lab Smp Id: 777119 Client Smp ID: ACSGWMW5326
Inj Date : 23-SEP-2005 02:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 777119:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 38
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	3.621	1261582	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Propene, 2-methyl-				CAS #: 115-11-7			
0.785	165682	32.8321734	6.6	90	NBS129K.l	107982	1
Ethyl ether				CAS #: 60-29-7			
1.177	238104	47.1836593	9.4	90	NBS129K.l	108348	1
Furan, tetrahydro-				CAS #: 109-99-9			
2.771	1062586	210.566107	42	90	NBS129K.l	108255	1

Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d
Report Date: 23-Sep-2005 07:23

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1,4-Dioxane					CAS #: 123-91-1		
4.247	464430	92.0331479	18	91	NBS129K.l	108821	1

Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d

Date : 23-SEP-2005 02:11

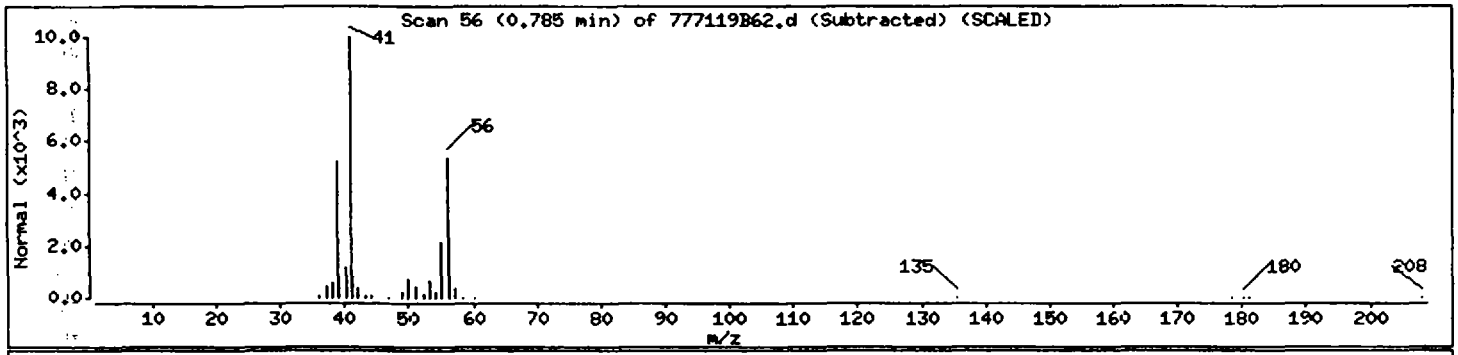
Client ID: ACSGWHW5326 Instrument: 5973hp62.i

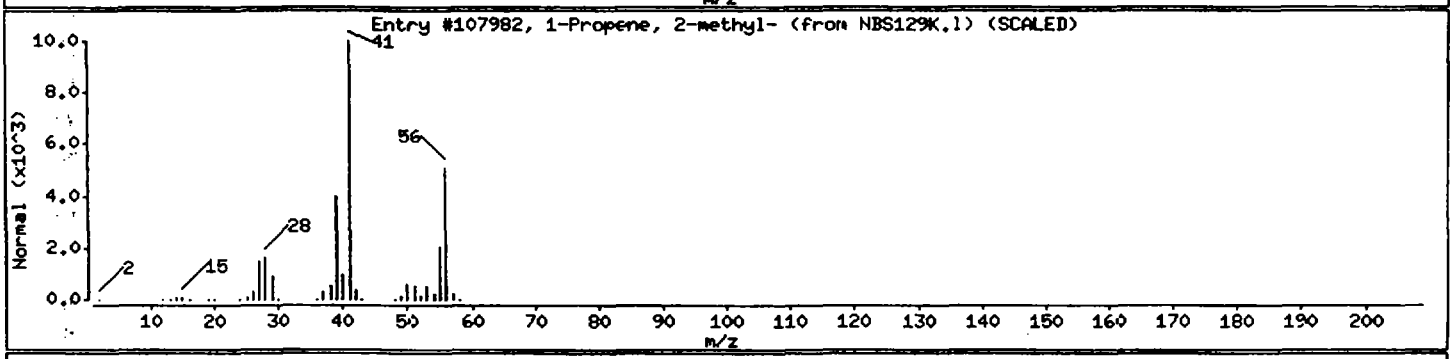
Sample Info: 777119;2323

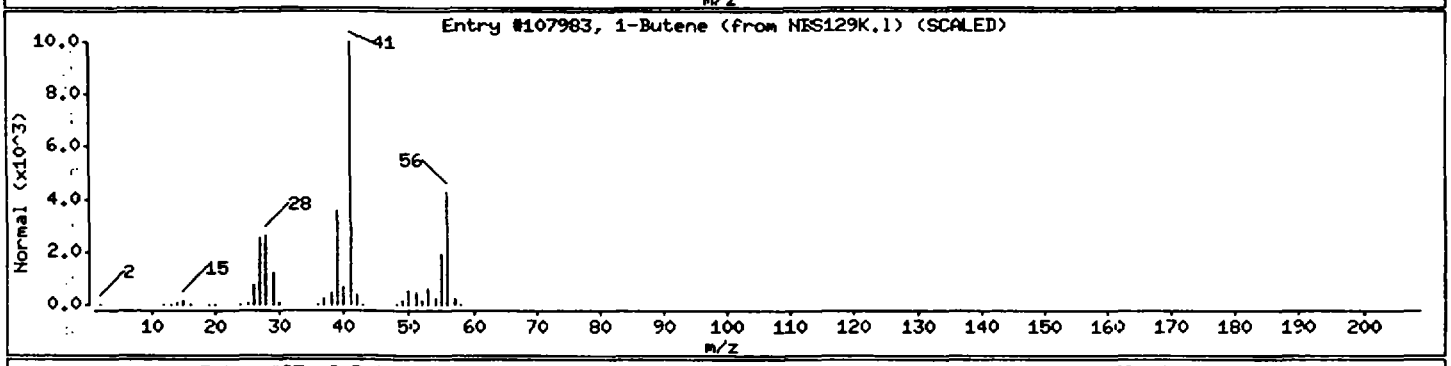
Purge Volume: 5.0 Operator: 2323

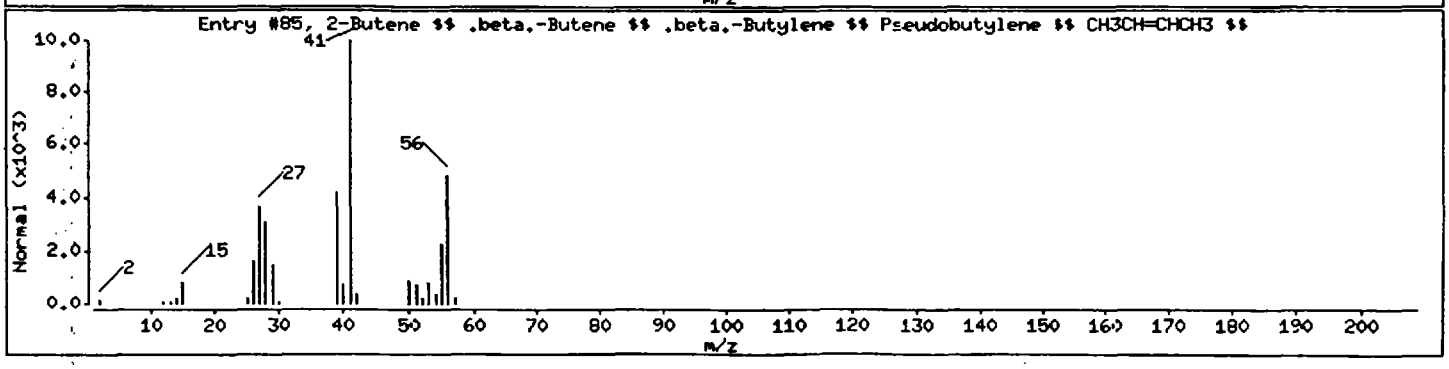
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Propene, 2-methyl-	115-11-7	NBS129K.l	107982	90	C4H8	56
1-Butene	106-98-9	NBS129K.l	107983	87	C4H8	56
2-Butene $$ .beta.-Butene $$ .beta.-Buty	107-01-7	NBS129K.l	85	64	C4H8	56









Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d

Date : 23-SEP-2005 02:11

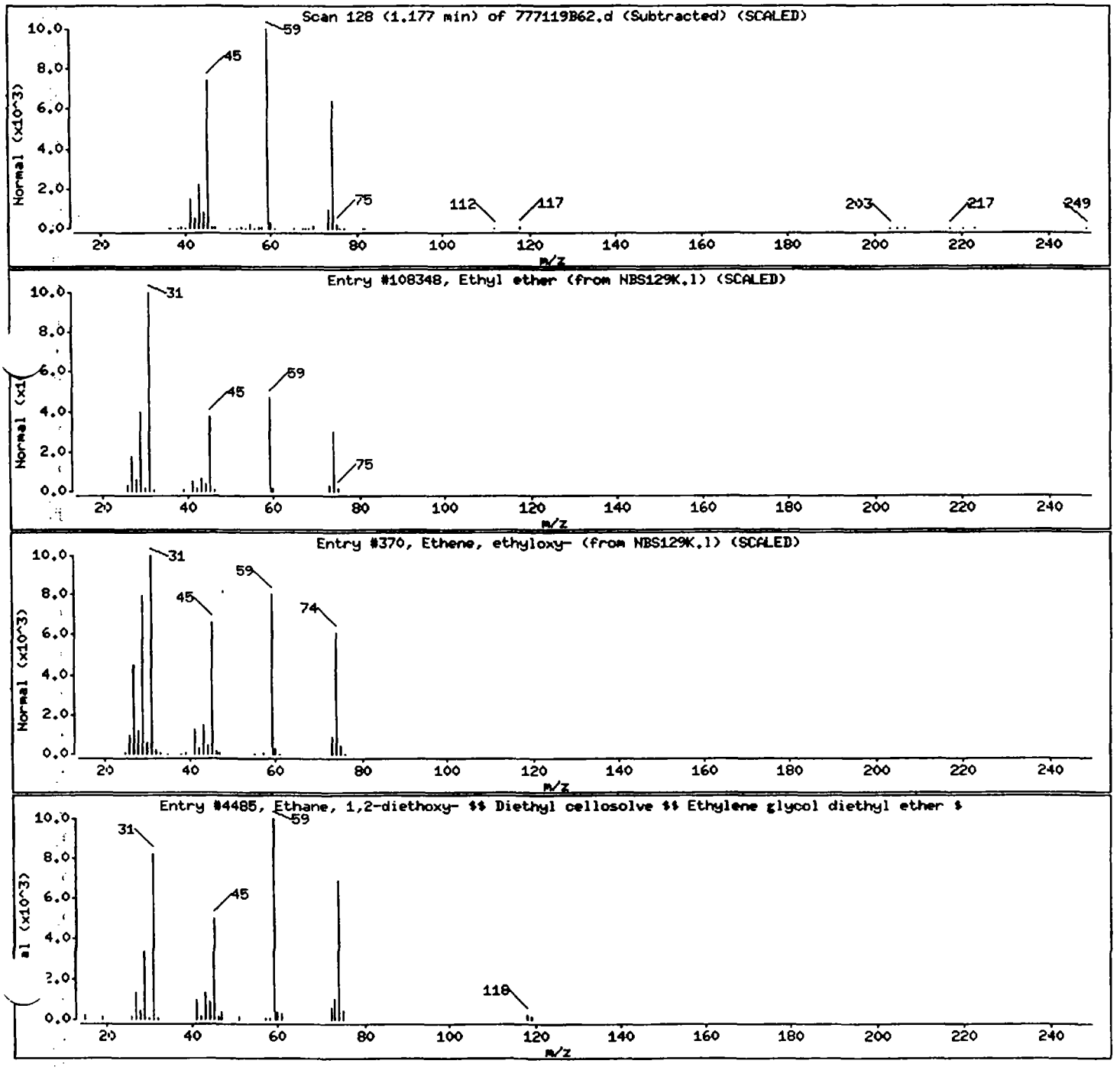
Client ID: ACSGWMW5326 Instrument: 5973hp62.i

Sample Info: 777119:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

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- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	28	C6H14O2	118



Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d

Date : 23-SEP-2005 02:11

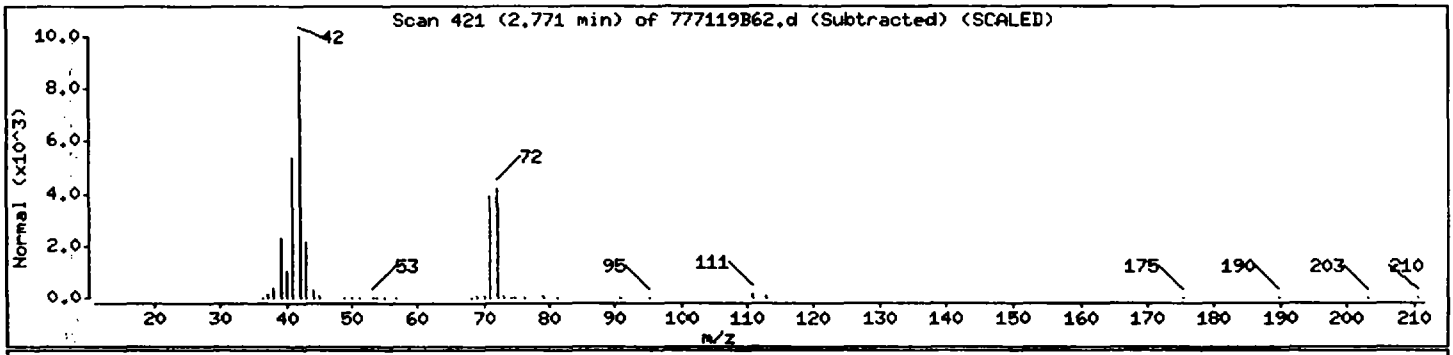
Client ID: ACSGWMW5326 Instrument: 5973hp62.i

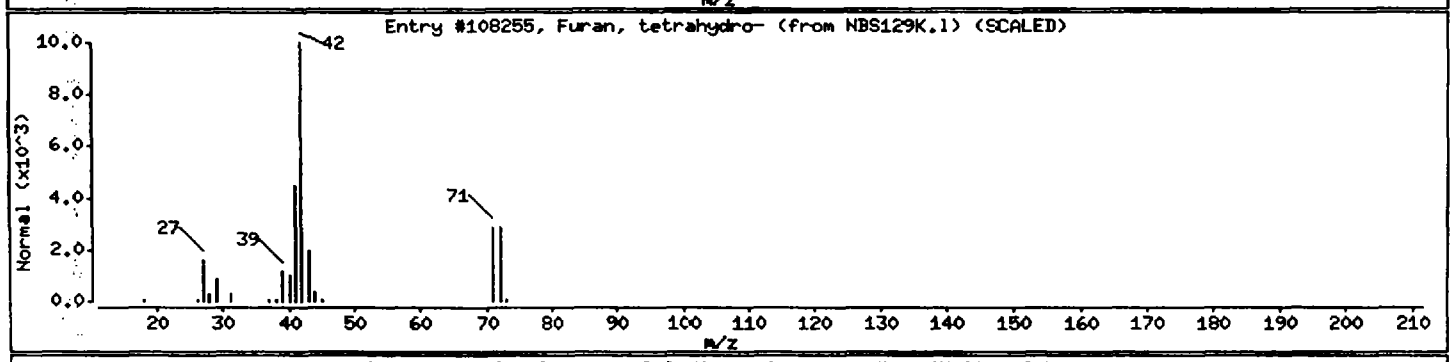
Sample Info: 777119:2323

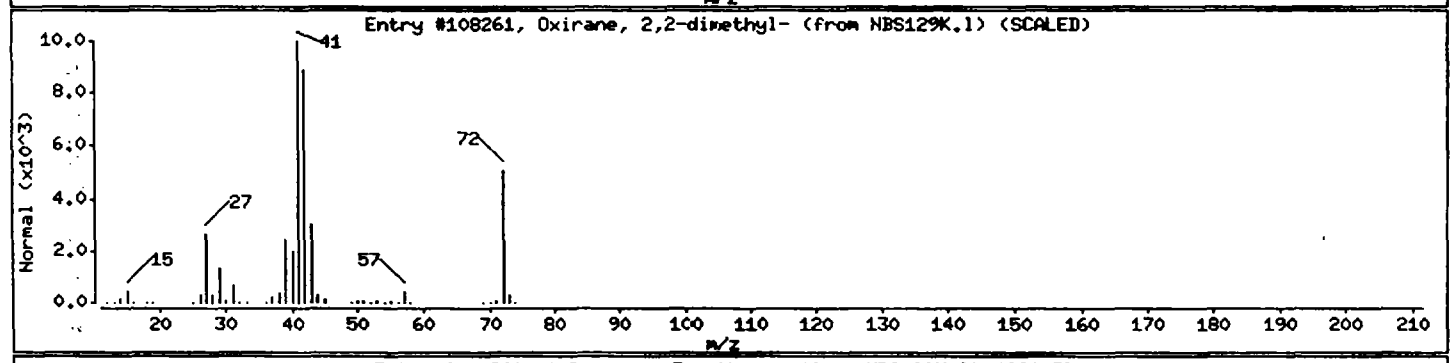
Purge Volume: 5.0 Operator: 2323

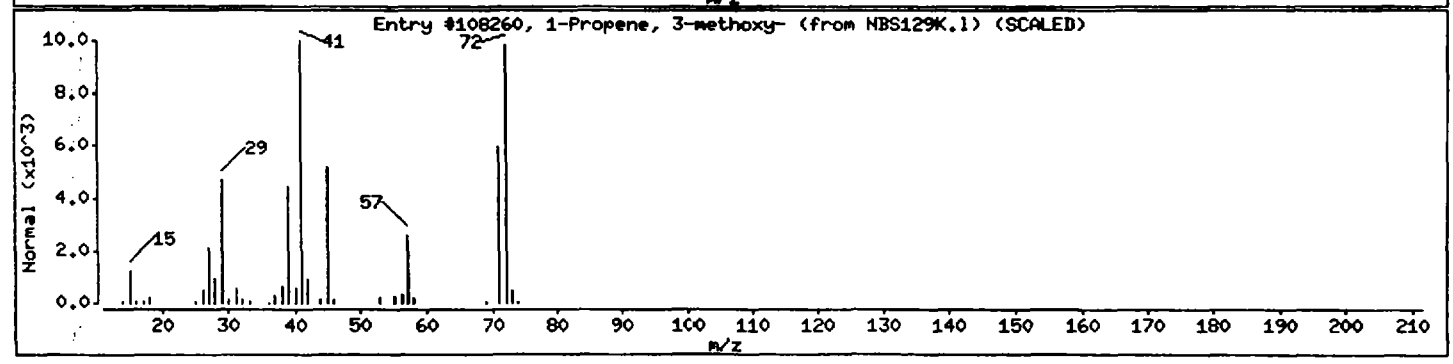
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, tetrahydro-	109-99-9	NBS129K.l	108255	90	C4H8O	72
Oxirane, 2,2-dimethyl-	558-30-5	NBS129K.l	108261	16	C4H8O	72
1-Propene, 3-methoxy-	627-40-7	NBS129K.l	108260	12	C4H8O	72









Data File: /chem/5973hp62.i/DF050922B62.b/777119B62.d

Date : 23-SEP-2005 02:11

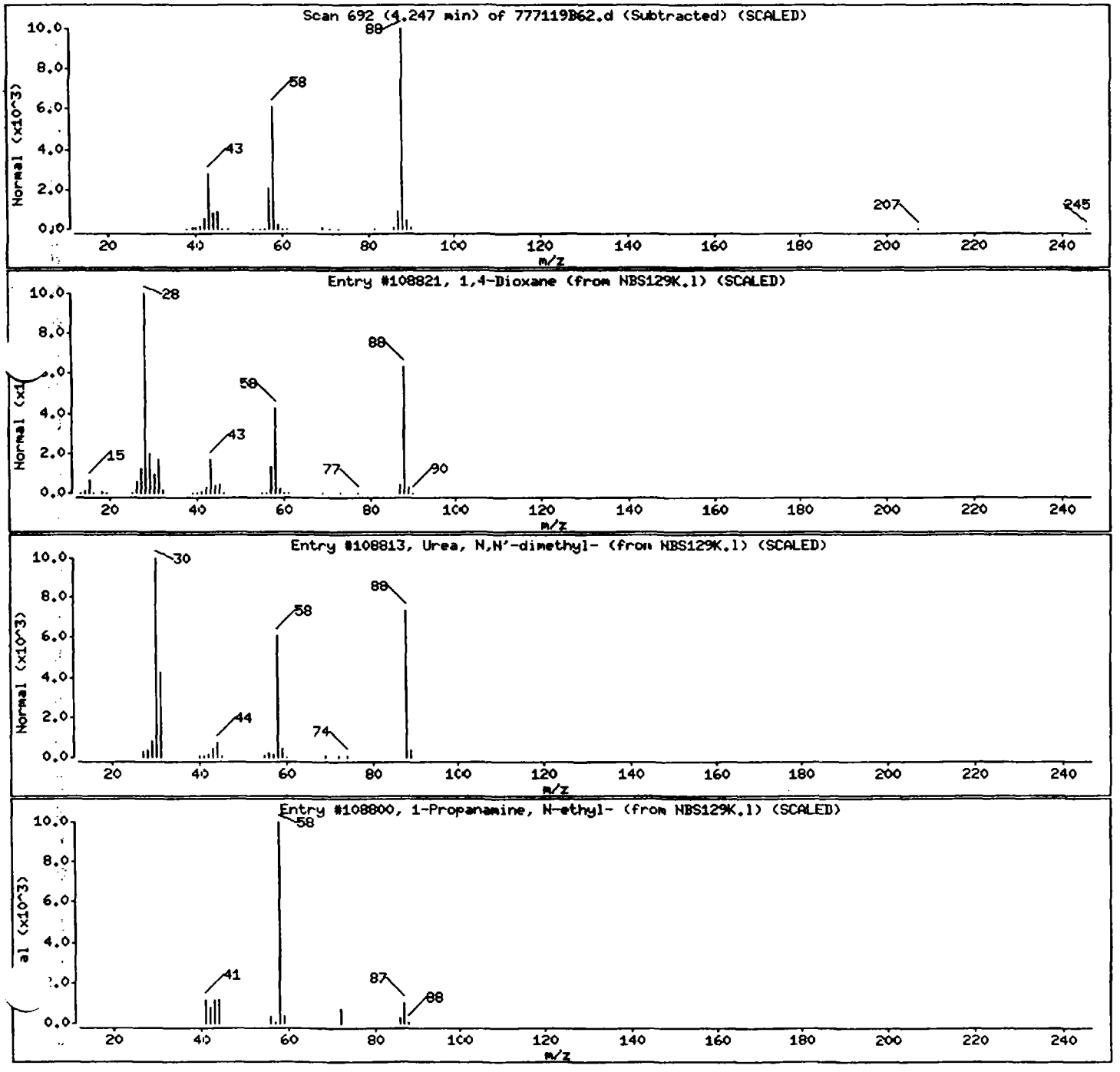
Client ID: ACSGWMW5326 Instrument: 5973hp62.i

Sample Info: 777119:2323

Purge Volume: 5.0 Operator: 2323

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dioxane	123-91-1	NBS129K.l	108821	91	C4H8O2	88
Urea, N,N'-dimethyl-	96-31-1	NBS129K.l	108813	56	C3H8N2O	88
1-Propanamine, N-ethyl-	20193-20-8	NBS129K.l	108800	12	C5H13N	87



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWTB0126

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

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

Number TICs found: 0

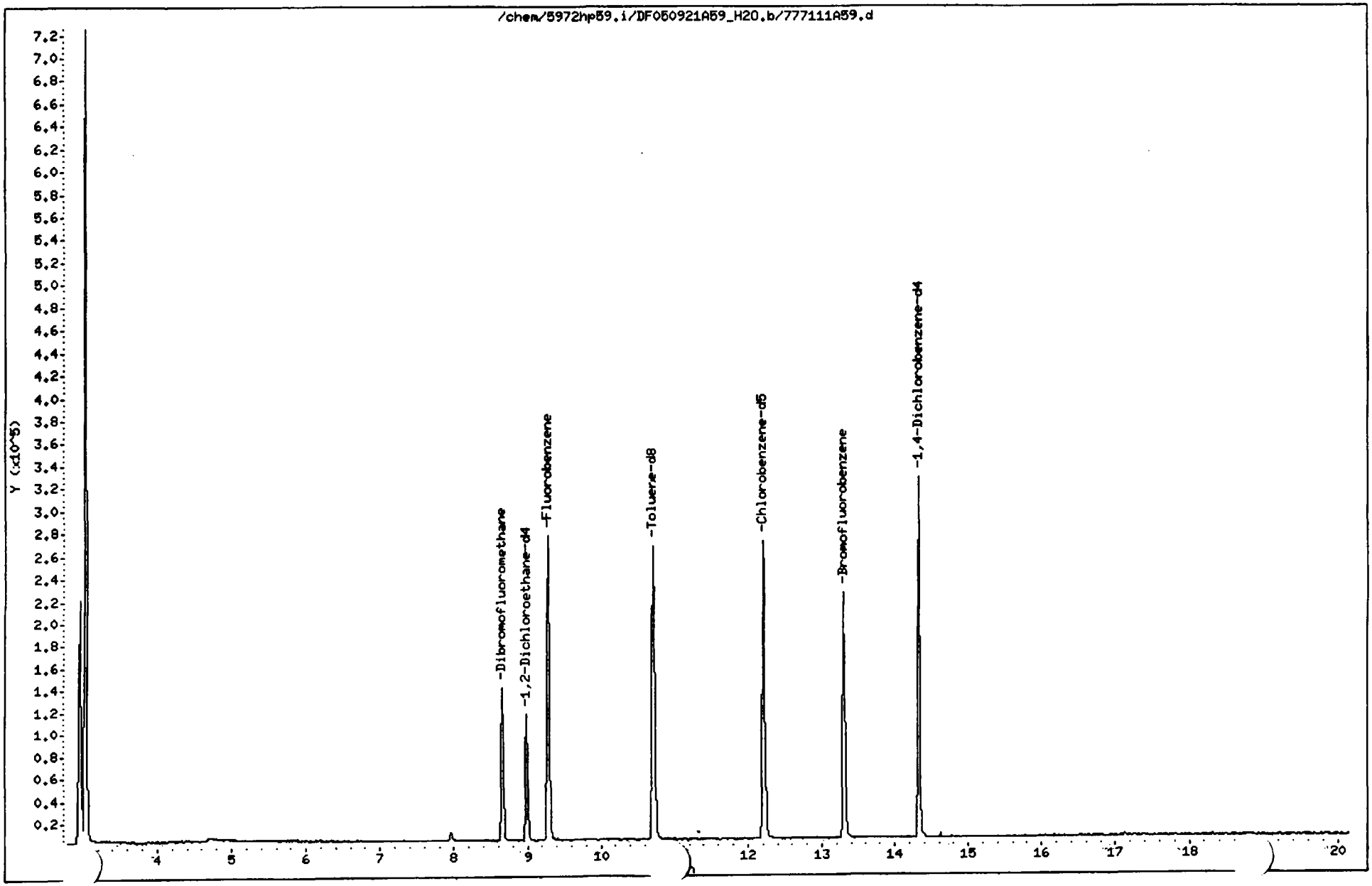
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

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/DF050921A59_H2O.b/777111A59.d
Date : 21-SEP-2005 22:44
Client ID: ACSCWTB0126
Sample Info: 777111:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777111A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777111A59.d
Lab Smp Id: 777111 Client Smp ID: ACSGWTB0126
Inj Date : 21-SEP-2005 22:44
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777111:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 24
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	9.281	9.281	(1.000)	312052	250.000	
* 2 Chlorobenzene-d5	117	12.213	12.213	(1.000)	202301	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.328	14.328	(1.000)	101859	250.000	
$ 4 Dibromofluoromethane	113	8.652	8.652	(0.932)	100425	259.930	52
$ 5 1,2-Dichloroethane-d4	65	8.986	8.986	(0.968)	97488	252.804	51
$ 6 Toluene-d8	98	10.717	10.708	(0.878)	262338	237.240	47
$ 7 Bromofluorobenzene	95	13.305	13.295	(0.929)	101836	228.418	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.					

pmH
9-27-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/777111A59.d
Report Date: 22-Sep-2005 08:24

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.					
3 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/DF050921A59_H2O.b/777111A59.d
Report Date: 22-Sep-2005 08:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/777111A59.d
Lab Smp Id: 777111 Client Smp ID: ACSGWTB0126
Inj Date : 21-SEP-2005 22:44
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 777111:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

- 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.: 7771

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

LAB FILE ID: RF5: CU050912A62 RF10: CV050912A62 RF20: CW050912A62
RF50: CY050912A62 RF100: CA050912A62RF200: CB050912A62

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	11065	20443	35450	64509	145664	232824
Chloromethane	21543	36598	66988	122929	288744	522571
Vinyl Chloride	0.31935	0.31888	0.28732	0.21453	0.24655	0.20998
Bromomethane	8710	15179	27493	54786	133308	242015
Chloroethane	0.14617	0.14020	0.13063	0.09917	0.11983	
Trichlorofluoromethane	17359	36350	65386	120649	271712	449515
1,1-Dichloroethene	0.25441	0.26463	0.22936	0.17860	0.19413	0.17902
Carbon disulfide	0.63270	0.64685	0.58811	0.48284	0.52393	0.48379
1,1,2-trichloro-1,2,2-triflu	12014	23300	41152	83171	172194	297897
Acetone	0.13523	0.11618	0.10911	0.10684	0.12023	0.12840
Methylene Chloride	0.38796	0.39439	0.37258	0.33257	0.36592	0.34413
trans-1,2-Dichloroethene	0.34228	0.34362	0.32561	0.27488	0.30190	0.27676
Methyl-tert-butyl ether	0.62997	0.70363	0.78742	0.74963	0.85322	0.81199
1,1-Dichloroethane	0.61054	0.65304	0.61675	0.52197	0.56976	0.54310
s-1,2-Dichloroethene	0.37925	0.42062	0.37940	0.35138	0.38772	0.36502
-butanone	0.15732	0.15647	0.16124	0.15400	0.16784	0.17602
Chloroform	0.70241	0.73662	0.68058	0.61249	0.67352	0.63534
1,1,1-Trichloroethane	0.53162	0.57729	0.53430	0.44501	0.47646	0.44520
Carbon Tetrachloride	0.38346	0.42133	0.39437	0.34100	0.35839	0.32057
Benzene	1.40432	1.44769	1.31450	1.17317	1.28928	1.22416
1,2-Dichloroethane	0.51594	0.53364	0.49851	0.46846	0.51703	0.49913
Trichloroethene	0.45667	0.47142	0.41592	0.35801	0.37709	0.35440
1,2-Dichloropropane	0.37978	0.39682	0.38465	0.34386	0.38345	0.36137
Bromodichloromethane	0.48481	0.53486	0.49764	0.46316	0.51483	0.49715
cis-1,3-Dichloropropene	0.41333	0.52568	0.54044	0.52603	0.59749	0.57810
4-Methyl-2-pentanone	0.40486	0.40924	0.41448	0.39573	0.43414	0.44819
Toluene	1.02220	1.02852	0.98519	0.86072	0.93745	0.91423
trans-1,3-Dichloropropene	13267	31053	74394	191771	432200	844491
1,1,2-Trichloroethane	0.43661	0.44594	0.43980	0.39920	0.45243	0.44121
Tetrachloroethene	17045	30295	53397	116753	231433	432935
2-hexanone	0.27457	0.27334	0.27362	0.26146	0.29657	0.31422
Dibromochloromethane	0.48394	0.52137	0.51848	0.49591	0.58409	0.58206
1,2-Dibromoethane	0.49147	0.49664	0.50418	0.44368	0.52167	0.51100
Chlorobenzene	1.26254	1.28519	1.19371	1.07042	1.16741	1.12203
Ethylbenzene	0.61376	0.63083	0.58207	0.50777	0.54501	0.53021
Styrene	1.12633	1.21651	1.19996	1.09659	1.21088	1.16965
Bromoform	0.35827	0.37823	0.39905	0.38175	0.44392	0.43809
Isopropyl Benzene	1.42508	1.47030	1.35662	1.18636	1.29945	1.22601
1,1,2,2-Tetrachloroethane	1.06260	1.03216	1.03794	0.94046	1.07721	1.06332
1,3-Dichlorobenzene	1.86457	1.92564	1.73834	1.57309	1.71002	1.64668
1,4-Dichlorobenzene	1.97280	1.92650	1.81492	1.63211	1.77931	1.68904
1,2-Dichlorobenzene	1.94250	1.88002	1.76293	1.60267	1.75377	1.69486
2-Dibromo-3-Chloropropane	0.18754	0.19567	0.22280	0.20803	0.23821	0.23142
,2,4-Trichlorobenzene	0.87889	0.88426	0.75964	0.72582	0.80212	0.79375

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

LAB FILE ID: RF5: CU050912A62 RF10: CV050912A62 RF20: CW050912A62
RF50: CY050912A62 RF100: CA050912A62RF200: CB050912A62

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.76183	0.78399	0.73987	0.63867	0.69173	0.66516
Methyl acetate	24658	35721	59093	112643	235750	442833
Cyclohexane	18416	37317	66495	135101	280301	483469
Methylcyclohexane	18011	36936	66538	136542	286635	495536
Dibromofluoromethane	0.34876	0.33968	0.31264	0.30357	0.30986	0.32233
1,2-Dichloroethane-d4	0.32931	0.33873	0.31128	0.30191	0.30252	0.32670
Toluene-d8	1.14001	1.08815	1.03234	0.97062	0.98063	1.04033
Bromofluorobenzene	0.95092	0.87444	0.79318	0.75719	0.76481	0.82189

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	2ORDR	0.00442494	4.49217371	3.78260861	0.9950505	0.9900000
Chloromethane	LINR	-0.0598059	3.03975875		0.9966279	0.9900000
Vinyl Chloride	AVRG		0.26610201		18.612	30.000
Bromomethane	LINR	-0.0219223	6.49775959		0.9963366	0.9900000
Chloroethane	AVRG		0.12719958		14.605	15.000
Trichlorofluoromethane	LINR	-0.1240308	3.51292811		0.9920081	0.9900000
1,1-Dichloroethene	AVRG		0.21669033		17.585	30.000
Carbon disulfide	AVRG		0.55970382		13.051	15.000
1,1,2-trichloro-1,2,2-triflu	LINR	-0.1216419	5.35167148		0.9964322	0.9900000
Acetone	AVRG		0.11933340		9.227	15.000
Methylene Chloride	AVRG		0.36625774		6.606	15.000
trans-1,2-Dichloroethene	AVRG		0.31084152		9.984	15.000
Methyl-tert-butyl ether	AVRG		0.75597523		10.622	15.000
1,1-Dichloroethane	AVRG		0.58586145		8.448	15.000
cis-1,2-Dichloroethene	AVRG		0.38056614		6.165	15.000
Butanone	AVRG		0.16214888		5.144	15.000
Chloroform	AVRG		0.67349461		6.656	30.000
1,1,1-Trichloroethane	AVRG		0.50164674		10.815	15.000
Carbon Tetrachloride	AVRG		0.36985372		9.992	15.000
Benzene	AVRG		1.30885261		7.968	15.000
1,2-Dichloroethane	AVRG		0.50545273		4.419	15.000
Trichloroethene	AVRG		0.40558484		12.449	15.000
1,2-Dichloropropane	AVRG		0.37498858		5.086	30.000
Bromodichloromethane	AVRG		0.49874235		4.934	15.000
cis-1,3-Dichloropropene	AVRG		0.53017972		12.114	15.000
4-Methyl-2-pentanone	AVRG		0.41777260		4.702	15.000
Toluene	AVRG		0.95805124		6.866	30.000
trans-1,3-Dichloropropene	LINR	0.08781069	1.62115778		0.9989554	0.9900000
1,1,2-Trichloroethane	AVRG		0.43586783		4.310	15.000
Tetrachloroethene	LINR	-0.0476611	3.25953907		0.9997324	0.9900000
2-hexanone	AVRG		0.28229595		6.855	15.000
Dibromochloromethane	AVRG		0.53097616		8.043	15.000
1,2-Dibromoethane	AVRG		0.49477322		5.498	15.000
Chlorobenzene	AVRG		1.18355138		6.918	15.000
Ethylbenzene	AVRG		0.56827607		8.557	30.000
Styrene	AVRG		1.16998682		4.192	15.000
Bromoform	AVRG		0.39988599		8.611	15.000
Isopropyl Benzene	AVRG		1.32730460		8.374	15.000
1,1,2,2-Tetrachloroethane	AVRG		1.03561634		4.789	15.000
1,3-Dichlorobenzene	AVRG		1.74305779		7.585	15.000
1,4-Dichlorobenzene	AVRG		1.80244612		7.317	15.000
1,2-Dichlorobenzene	AVRG		1.77279171		6.944	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.21394580		9.438	15.000
2,4-Trichlorobenzene	AVRG		0.80741562		7.866	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

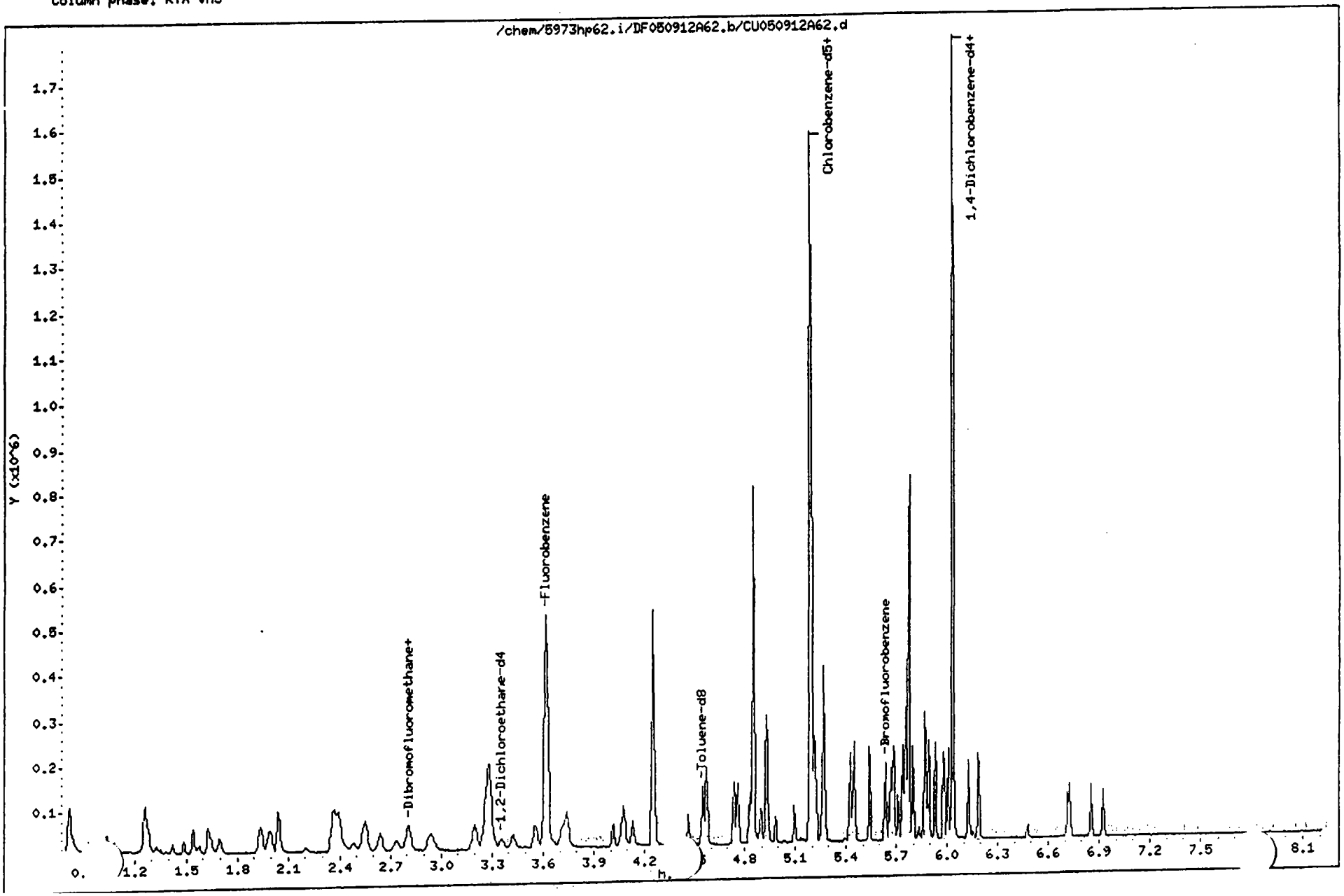
COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.71354212		8.029	15.000
Methyl acetate	LINR	-0.1076438	3.66309069		0.9989578	0.9900000
Cyclohexane	LINR	-0.1173506	3.29028635		0.9961344	0.9900000
Methylcyclohexane	LINR	-0.1050924	3.20137998		0.9961712	0.9900000
Dibromofluoromethane	AVRG		0.32280856		5.541	15.000
1,2-Dichloroethane-d4	AVRG		0.31840879		4.816	15.000
Toluene-d8	AVRG		1.04201154		6.174	15.000
Bromofluorobenzene	AVRG		0.82706995		8.970	15.000

FORM VI VOA

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Date : 12-SEP-2005 14:09
Client ID: VSTD005
Sample Info: VSTD005;2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 12-SEP-2005 14:09
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD005:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 14:09 Cal File: CU050912A62.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	3.621	3.621	(1.000)	417875	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	385375	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	208273	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	14574	25.0000	27
$ 5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	13761	25.0000	26
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	43933	25.0000	27
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	19805	25.0000	29
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	11065	25.0000	32
9 Chloromethane	50	0.779	0.779	(0.215)	21543	25.0000	24
10 Vinyl Chloride	62	0.806	0.806	(0.223)	13345	25.0000	30(M) 2
11 Bromomethane	94	0.937	0.937	(0.259)	8710	25.0000	28(M) 2
12 Chloroethane	64	0.986	0.986	(0.272)	6108	25.0000	29(M) 2
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	17359	25.0000	5.5
14 Acrolein	56	1.421	1.421	(0.393)	9899	250.000	260
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	10631	25.0000	29

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Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

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	1.258	1.258	(0.347)	5699	25.0000	7.4
17 Acetone	43	1.579	1.579	(0.436)	14127	62.5000	71
18 Iodomethane	142	1.323	1.323	(0.366)	9295	25.0000	30
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	12014	25.0000	8.1
20 Carbon disulfide	76	1.269	1.269	(0.350)	26439	25.0000	28 (M)
21 3-Chloropropene	76	1.487	1.487	(0.411)	4250	25.0000	30
22 Acetonitrile	41	1.841	1.841	(0.508)	3060	25.0000	30
23 Methyl acetate	43	1.645	1.645	(0.454)	24658	25.0000	27
24 Methylene Chloride	84	1.541	1.541	(0.426)	16212	25.0000	26
25 Acrylonitrile	53	2.047	2.047	(0.565)	55603	250.000	250
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	14303	25.0000	28
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	14303	25.0000	28
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	26325	25.0000	21
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	25513	25.0000	26
30 Chloroprene	53	1.988	1.988	(0.549)	14433	25.0000	27
31 Vinyl acetate	43	2.205	2.205	(0.609)	13064	25.0000	32
32 Isopropyl ether	45	1.933	1.933	(0.534)	51891	25.0000	26
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	15848	25.0000	25
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	15848	25.0000	25
35 2,2-Dichloropropane	77	2.488	2.488	(0.687)	9303	25.0000	21
36 Propionitrile	54	3.261	3.261	(0.901)	97520	1250.00	1200
37 2-butanone	43	2.962	2.962	(0.818)	16435	62.5000	61
[illegible] Methacrylonitrile	41	3.283	3.283	(0.907)	95791	250.000	250
[illegible] Bromochloromethane	128	2.554	2.554	(0.705)	9387	25.0000	26
40 Chloroform	83	2.641	2.641	(0.729)	29352	25.0000	26
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	22215	25.0000	26
42 Cyclohexane	56	2.537	2.537	(0.701)	18416	25.0000	6.9
43 1,1-dichloropropene	75	2.929	2.929	(0.809)	18527	25.0000	28
44 Carbon Tetrachloride	117	2.733	2.733	(0.755)	16024	25.0000	26
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	21560	25.0000	26
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	28154	1250.00	1200
47 Benzene	78	3.196	3.196	(0.883)	58683	25.0000	27
48 Trichloroethene	130	3.740	3.740	(1.033)	19083	25.0000	28
49 Methylcyclohexane	83	3.724	3.724	(1.029)	18011	25.0000	8.2
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	15870	25.0000	25
51 Dibromomethane	174	4.018	4.018	(1.110)	13876	25.0000	26
52 1,4-dioxane	88	4.252	4.252	(1.174)	9331	1250.00	1300
53 Methylmethacrylate	69	4.252	4.252	(1.174)	102217	250.000	250
54 Bromodichloromethane	83	4.132	4.132	(1.141)	20259	25.0000	24
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	17272	25.0000	19
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	39006	62.5000	61
58 Toluene	92	4.573	4.573	(0.881)	39393	25.0000	27
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	13267	25.0000	36
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	16826	25.0000	25
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	190211	250.000	250

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	27139	25.0000	26
63 Tetrachloroethene	164	4.737	4.737	(0.913)	17045	25.0000	24
64 2-hexanone	43	5.096	5.096	(0.982)	26453	62.5000	61
65 Dibromochloromethane	129	4.894	4.894	(0.943)	18650	25.0000	23
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	18940	25.0000	25
67 Chlorobenzene	112	5.194	5.194	(1.001)	48655	25.0000	27
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	15963	25.0000	23
70 Ethylbenzene	106	5.210	5.210	(1.004)	23653	25.0000	27
71 m,p-Xylene	106	5.270	5.270	(1.016)	59731	50.0000	55
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	59731	50.0000	55
73 o-Xylene	106	5.422	5.422	(1.045)	28346	25.0000	26
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	28346	25.0000	26
75 Styrene	104	5.444	5.444	(1.049)	43406	25.0000	24
76 Bromoform	173	5.450	5.450	(1.050)	13807	25.0000	22
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	54919	25.0000	27
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	22131	25.0000	26
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	6198	25.0000	25
81 Bromobenzene	156	5.673	5.673	(1.093)	23676	25.0000	26
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	67693	100.000	76(a)
83 n-Propyl Benzene	91	5.689	5.689	(0.943)	79237	25.0000	28
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	19152	25.0000	26
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	19647	25.0000	26
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	54919	25.0000	27
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	57555	25.0000	26
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	56125	25.0000	27
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	68514	25.0000	28
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	38834	25.0000	27
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	54227	25.0000	27
93 1,4-Dichlorobenzene	146	6.038	6.038	(1.001)	41088	25.0000	27
94 1,2-Dichlorobenzene	146	6.190	6.190	(1.026)	40457	25.0000	27
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	45755	25.0000	28
96 1,2-Dibromo-3-Chloropropane	157	6.478	6.478	(1.074)	3906	25.0000	22
97 1,2,4-Trichlorobenzene	180	6.729	6.729	(1.115)	18305	25.0000	27
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	8754	25.0000	16
99 Naphthalene	128	6.854	6.854	(1.136)	43580	25.0000	27
100 1,2,3-Trichlorobenzene	180	6.925	6.925	(1.148)	17133	25.0000	29
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				30151	50.0000	52
M 102 Xylene (total)	106				88077	75.0000	80

QC Flag Legend

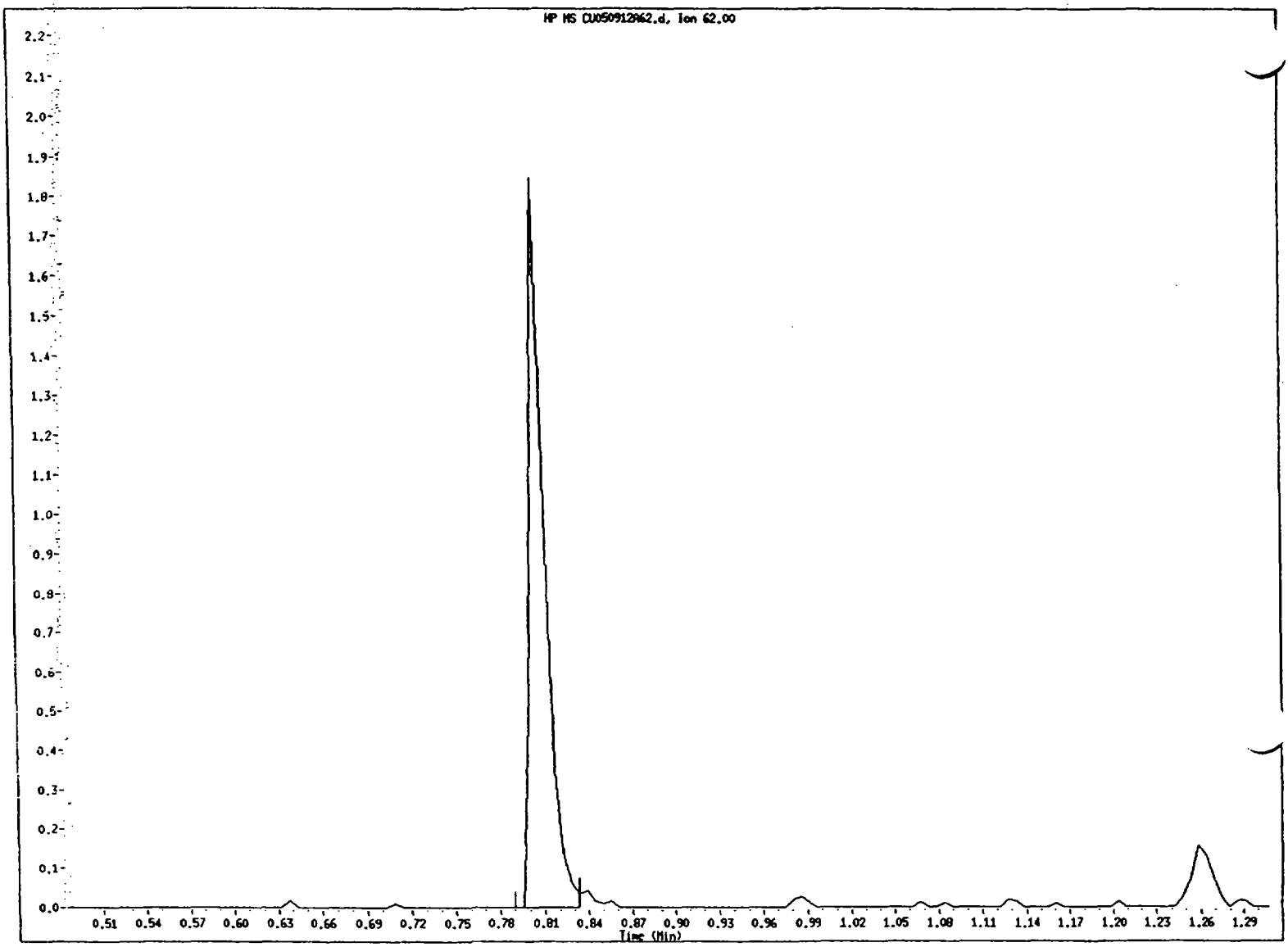
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

Qualag Legend

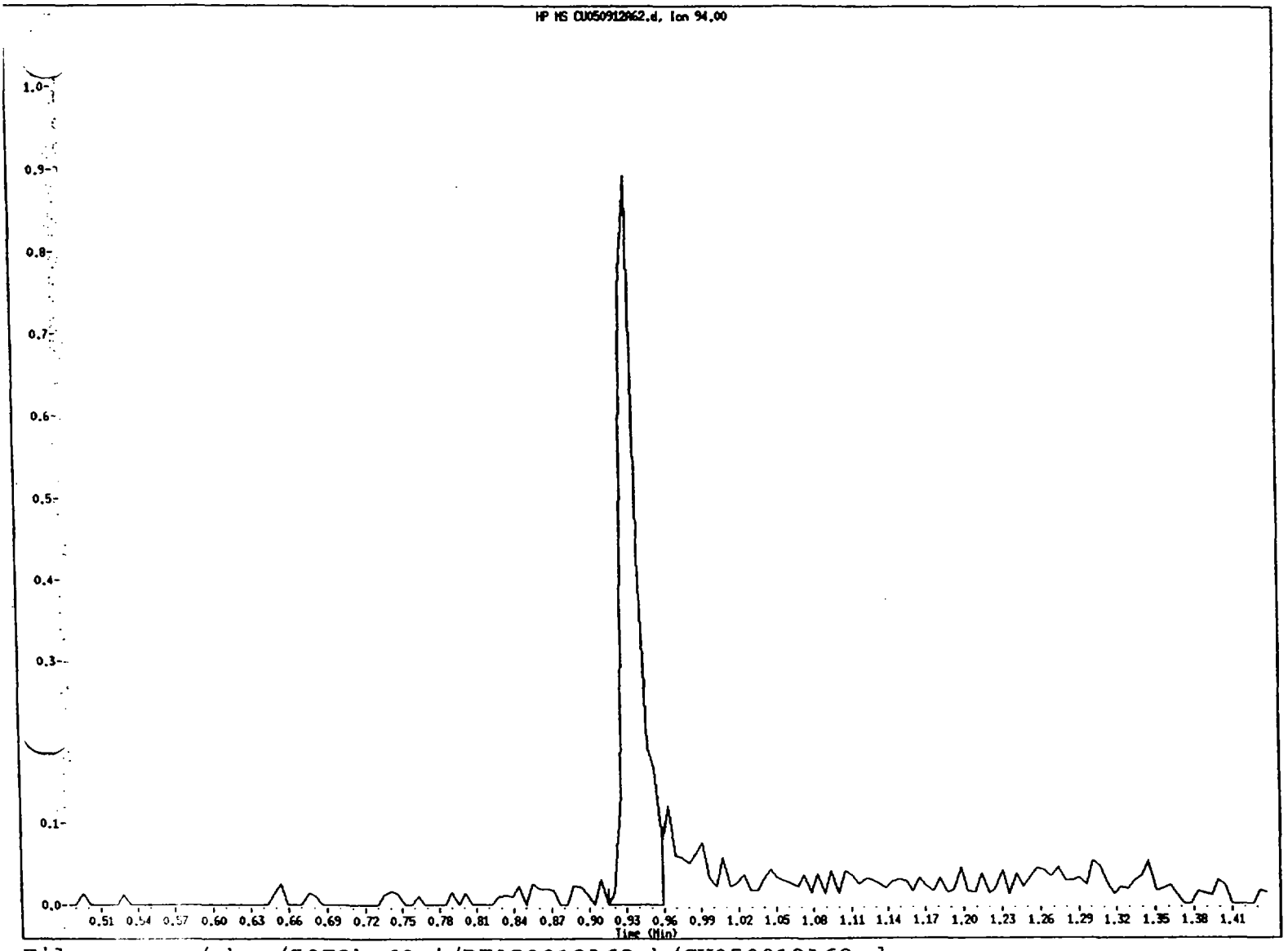
M - Compound response manually integrated.

Vinyl Chloride CAS Number 75-01-4 Area = 13345 Manually integrated



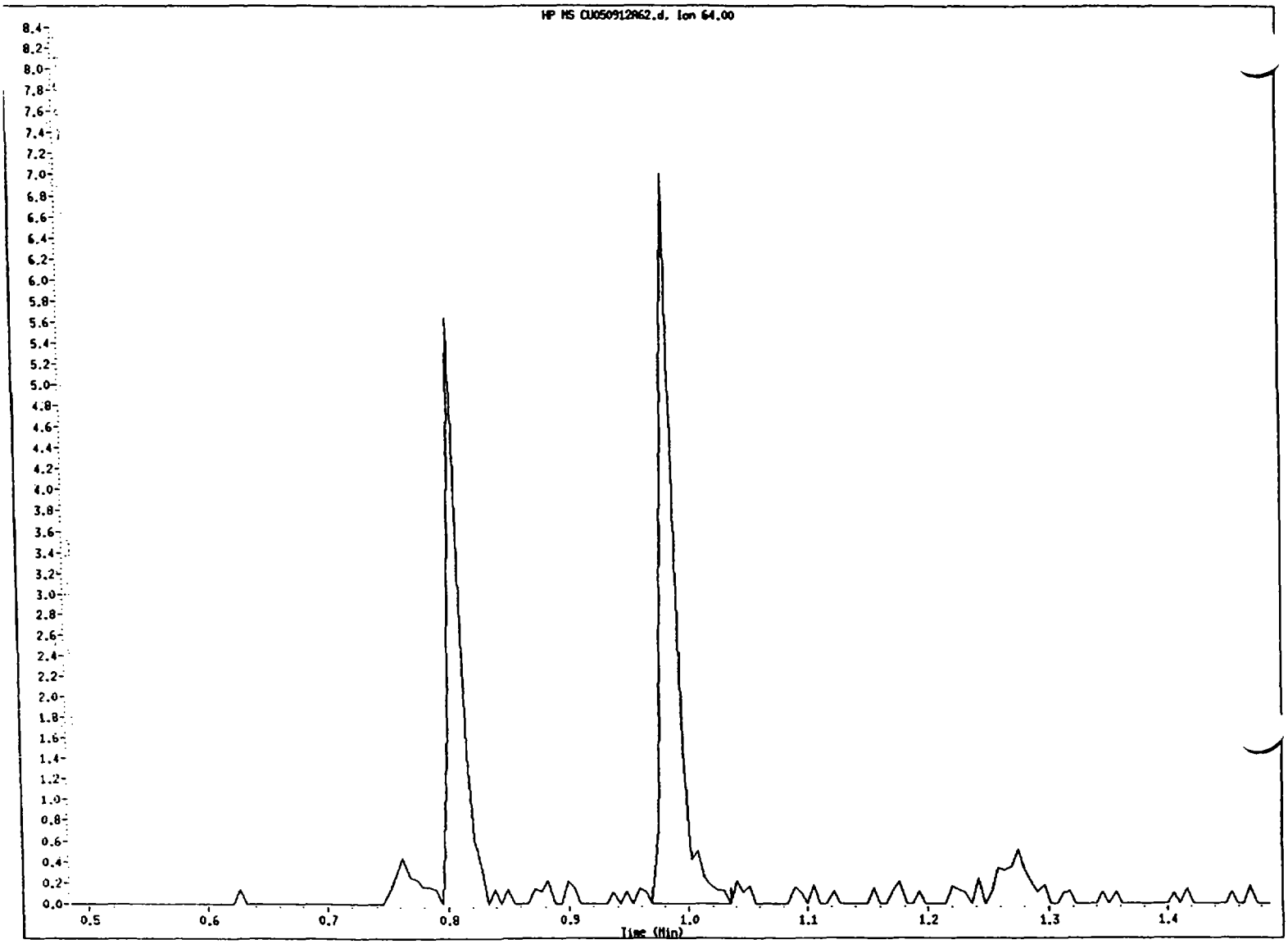
File name: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.81
Operator ID: 2323

Bromomethane CAS Number 74-83-9 Area = 8710 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 6108 Manually integrated



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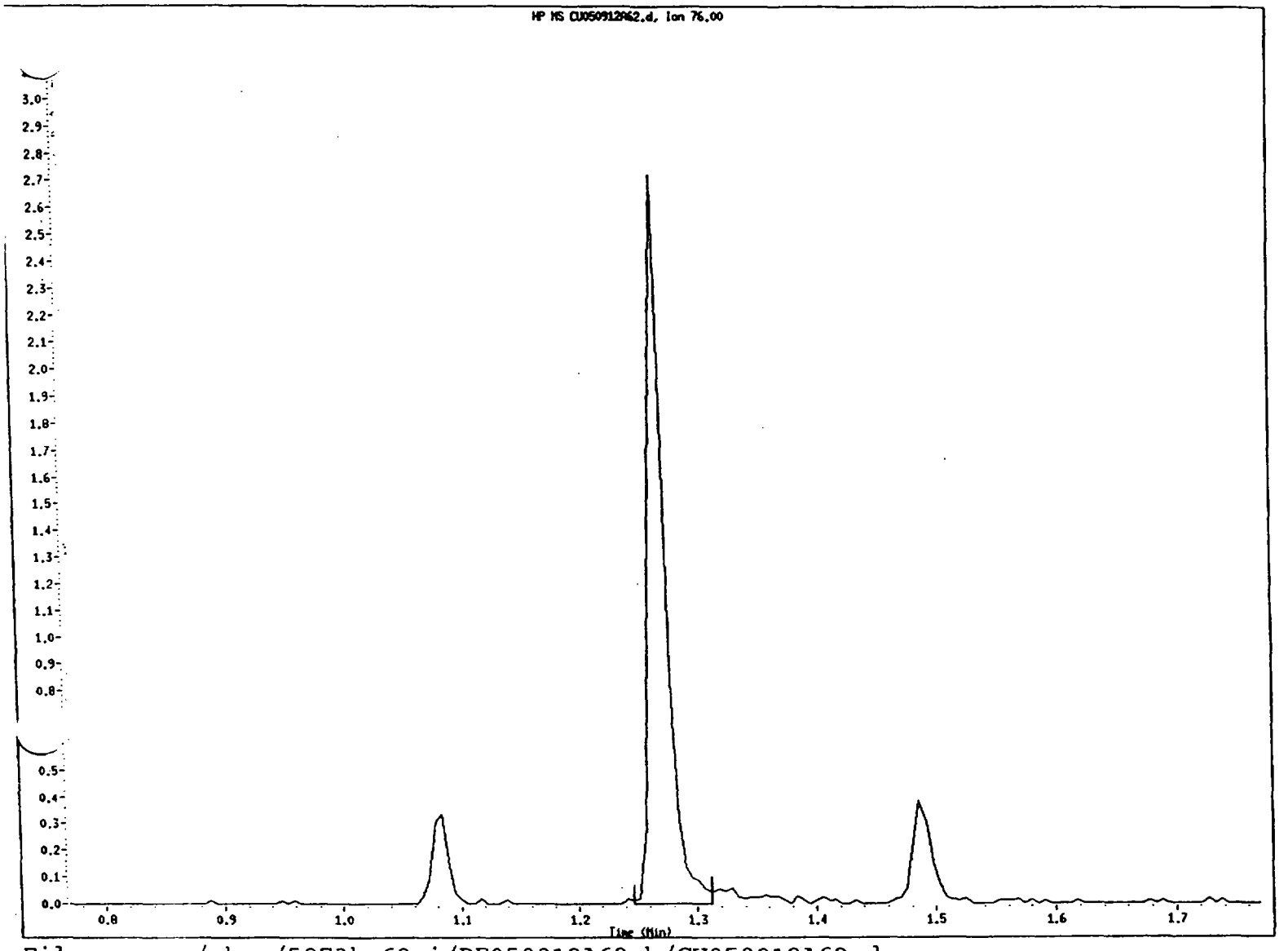
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.99
Operator ID: 2323

Carbon disulfide CAS Number 75-15-0 Area = 26439 Manually integrated



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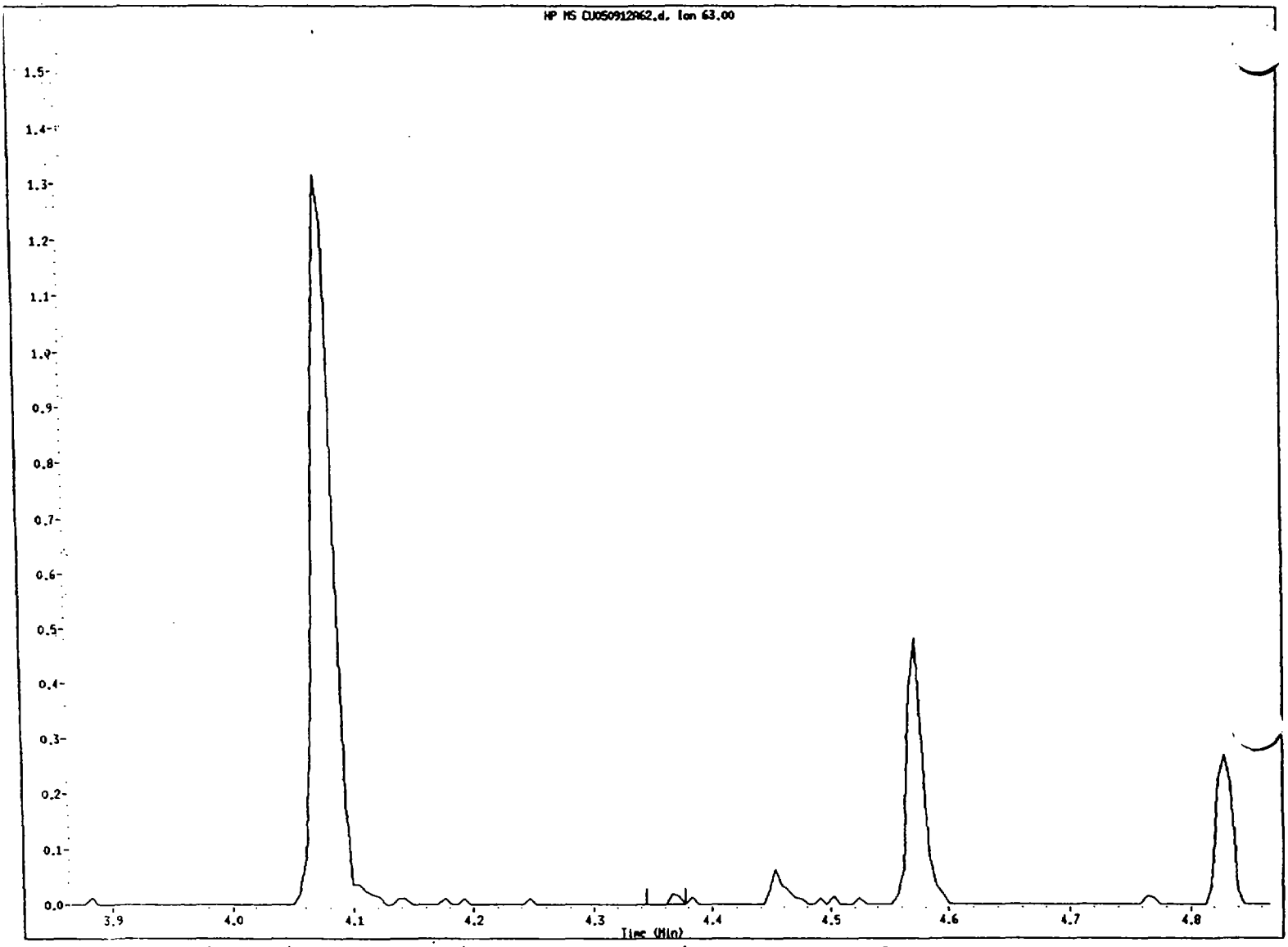
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 1.27
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 110 Manually integrated

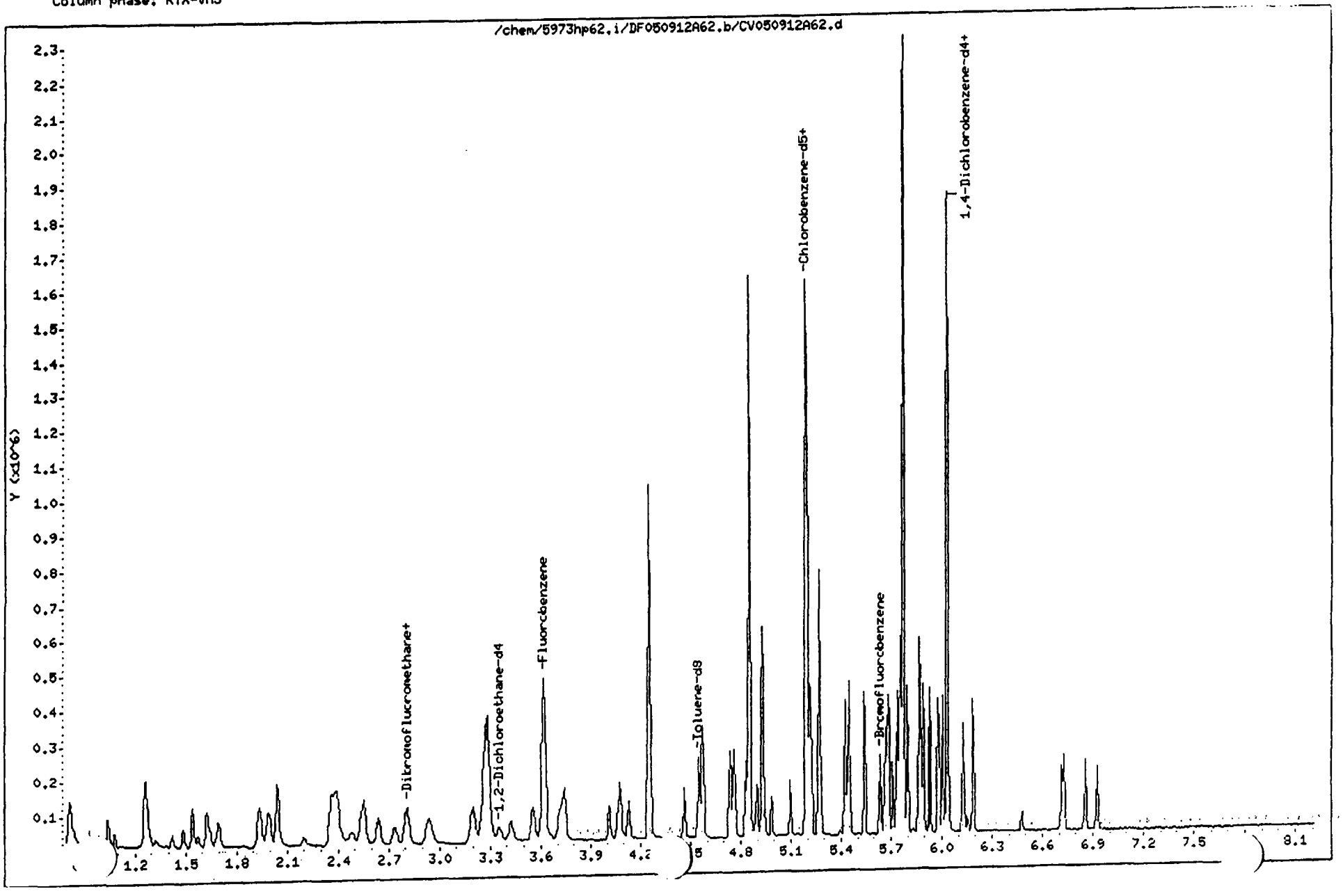


File name: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Date : 12-SEP-2005 14:40
Client ID: VSTD010
Sample Info: VSTD010:2323
Purge Volume: 5.0
Column phase: RTX-VHS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 12-SEP-2005 14:40
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD010:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 14:40 Cal File: CV050912A62.d
Als bottle: 6 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	3.621	3.621	(1.000)	388260	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	366844	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	203016	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.804	(0.774)	26377	50.0000	53
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	26303	50.0000	53
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	79836	50.0000	52
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	35505	50.0000	53
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	20443	50.0000	63
9 Chloromethane	50	0.779	0.779	(0.215)	36598	50.0000	57
10 Vinyl Chloride	62	0.806	0.806	(0.223)	24762	50.0000	60
11 Bromomethane	94	0.937	0.937	(0.259)	15179	50.0000	58(M) 2
12 Chloroethane	64	0.986	0.986	(0.272)	10887	50.0000	55(M) 2
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	36350	50.0000	51
14 Acrolein	56	1.421	1.421	(0.393)	18089	500.000	500
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	20549	50.0000	61(M) 2

9/13/05

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

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	1.258	1.258	(0.347)	10521	50.0000	48
17 Acetone	43	1.574	1.574	(0.435)	22555	125.000	120
18 Iodomethane	142	1.323	1.323	(0.366)	15135	50.0000	53
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	23300	50.0000	50
20 Carbon disulfide	76	1.269	1.269	(0.350)	50229	50.0000	58
21 3-Chloropropene	76	1.492	1.492	(0.412)	7295	50.0000	55
22 Acetonitrile	41	1.840	1.840	(0.508)	4258	50.0000	51
23 Methyl acetate	43	1.645	1.645	(0.454)	35721	50.0000	57
24 Methylene Chloride	84	1.541	1.541	(0.426)	30625	50.0000	54
25 Acrylonitrile	53	2.042	2.042	(0.564)	102519	500.000	490
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	26683	50.0000	55
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	26683	50.0000	55
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	54638	50.0000	47
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	50710	50.0000	56
30 Chloroprene	53	1.982	1.982	(0.547)	28509	50.0000	58
31 Vinyl acetate	43	2.200	2.200	(0.608)	31279	50.0000	50
32 Isopropyl ether	45	1.938	1.938	(0.535)	99878	50.0000	53
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	32662	50.0000	55
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	32662	50.0000	55
35 2,2-Dichloropropane	77	2.477	2.477	(0.684)	20761	50.0000	51
36 Propionitrile	54	3.261	3.261	(0.901)	187795	2500.00	2600
37 2-butanone	43	2.956	2.956	(0.817)	30375	125.000	120
Methacrylonitrile	41	3.283	3.283	(0.907)	186912	500.000	520
39 Bromochloromethane	128	2.559	2.559	(0.707)	18480	50.0000	56
40 Chloroform	83	2.641	2.641	(0.729)	57200	50.0000	55
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	44828	50.0000	58
42 Cyclohexane	56	2.548	2.548	(0.704)	37317	50.0000	50
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	35275	50.0000	58
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	32717	50.0000	57
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	41438	50.0000	53
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	52820	2500.00	2400
47 Benzene	78	3.196	3.196	(0.883)	112416	50.0000	55
48 Trichloroethene	130	3.746	3.746	(1.035)	36607	50.0000	58
49 Methylcyclohexane	83	3.719	3.719	(1.027)	36936	50.0000	50
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	30814	50.0000	53
51 Dibromomethane	174	4.018	4.018	(1.110)	26024	50.0000	52
52 1,4-dioxane	88	4.247	4.247	(1.173)	16273	2500.00	2500
53 Methylmethacrylate	69	4.252	4.252	(1.174)	195346	500.000	520
54 Bromodichloromethane	83	4.127	4.127	(1.140)	41533	50.0000	54
55 2-chloroethyl vinyl ether	63	4.366	4.366	(1.206)	409	50.0000	70(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	40820	50.0000	50
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	75063	125.000	120
58 Toluene	92	4.573	4.573	(0.881)	75461	50.0000	54
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	31053	50.0000	56
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	32718	50.0000	51

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

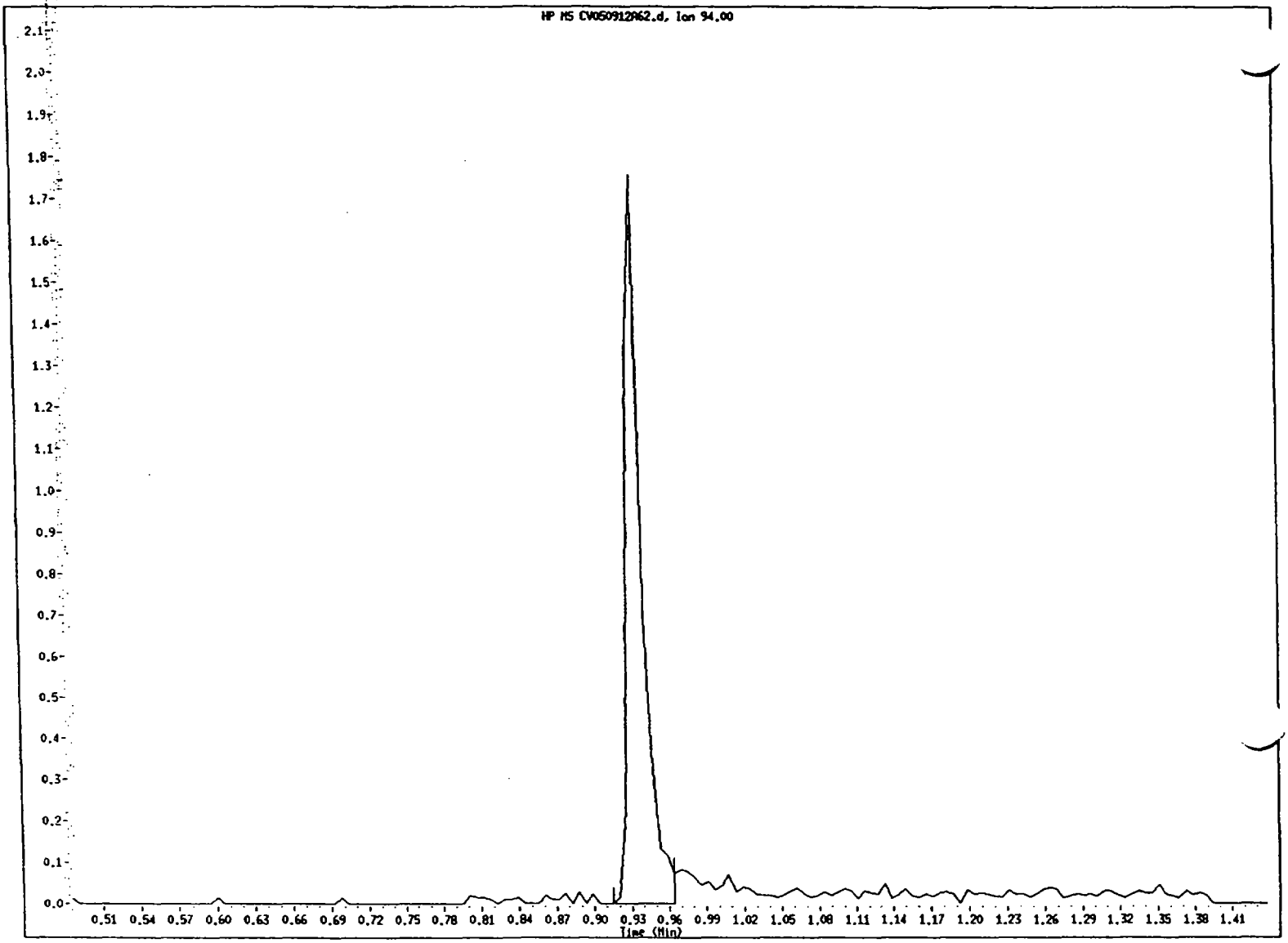
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	383488	500.000	530
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	52247	50.0000	52
63 Tetrachloroethene	164	4.736	4.736	(0.913)	30295	50.0000	55
64 2-hexanone	43	5.096	5.096	(0.982)	50136	125.000	120
65 Dibromochloromethane	129	4.894	4.894	(0.943)	38252	50.0000	49
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	36438	50.0000	50
67 Chlorobenzene	112	5.194	5.194	(1.001)	94293	50.0000	54
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	33160	50.0000	50
70 Ethylbenzene	106	5.210	5.210	(1.004)	46283	50.0000	56
71 m,p-Xylene	106	5.270	5.270	(1.016)	115973	100.000	110
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	115973	100.000	110
73 o-Xylene	106	5.422	5.422	(1.045)	56589	50.0000	54
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	56589	50.0000	54
75 Styrene	104	5.444	5.444	(1.049)	89254	50.0000	52
76 Bromoform	173	5.450	5.450	(1.050)	27750	50.0000	47
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	107874	50.0000	55
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	41909	50.0000	50
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	12384	50.0000	53
81 Bromobenzene	156	5.673	5.673	(1.093)	47350	50.0000	54
82 trans-1,4-dichloro-2-butene	53	5.771	5.771	(1.112)	197677	200.000	160
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	156009	50.0000	56
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	39577	50.0000	56
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	38883	50.0000	53
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	107874	50.0000	55
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	117481	50.0000	55
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	110616	50.0000	54
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	134392	50.0000	57
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	78187	50.0000	55
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	107244	50.0000	56
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	78222	50.0000	53
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	76335	50.0000	53
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	90535	50.0000	57
96 1,2-Dibromo-3-Chloropropane	157	6.478	6.478	(1.074)	7945	50.0000	46
97 1,2,4-Trichlorobenzene	180	6.729	6.729	(1.115)	35904	50.0000	55
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	17268	50.0000	55
99 Naphthalene	128	6.854	6.854	(1.136)	78682	50.0000	50
100 1,2,3-Trichlorobenzene	180	6.925	6.925	(1.148)	30625	50.0000	53
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				59345	100.000	110
M 102 Xylene (total)	106				172562	150.000	160

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

Q Flag Legend

M - Compound response manually integrated.

Bromomethane CAS Number 74-83-9 Area = 15179 Manually integrated



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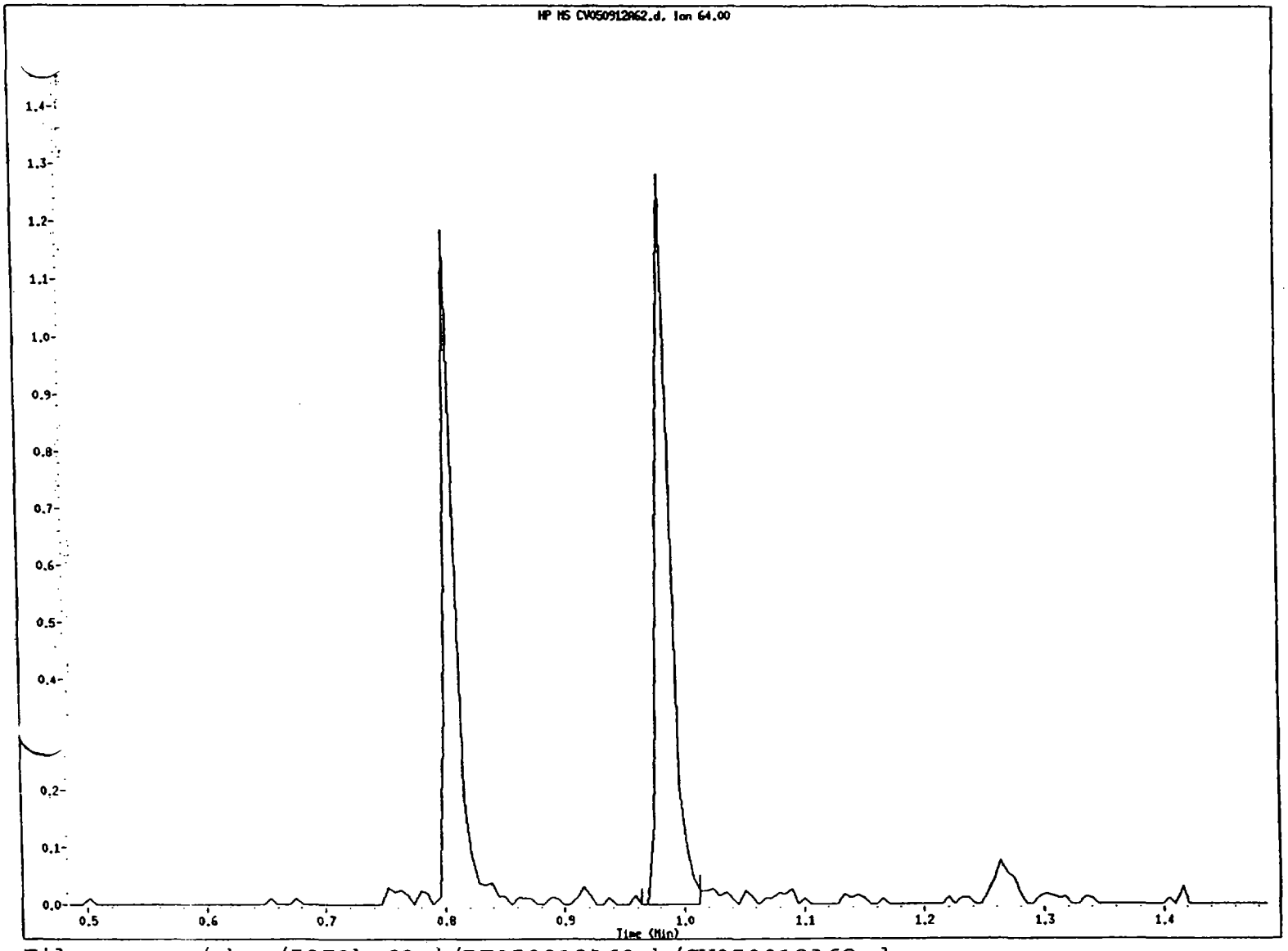
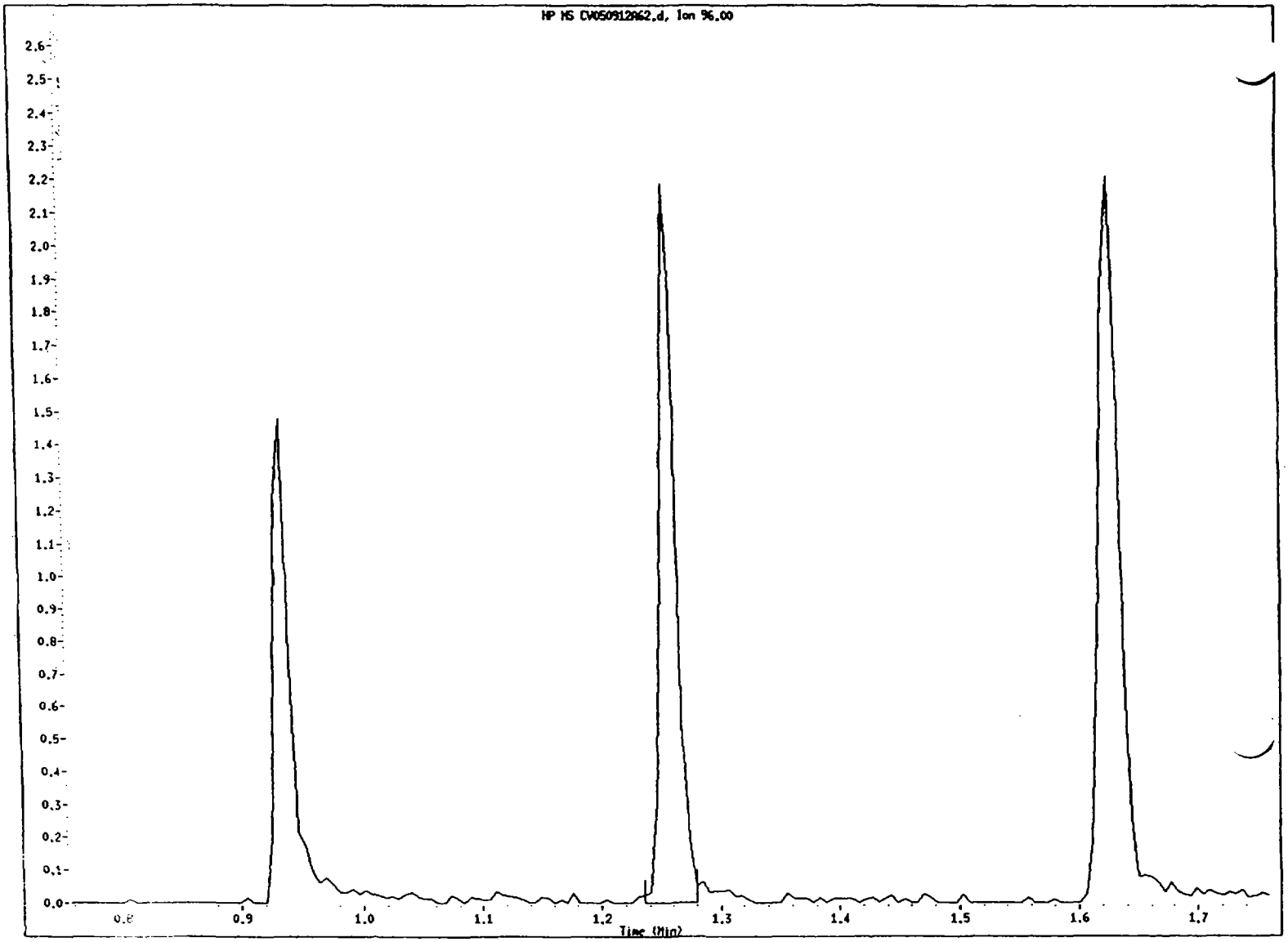
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 10887 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 0.99
Operator ID: 2323

1,1-Dichloroethene CAS Number 75-35-4 Area = 20549 Manually integrated



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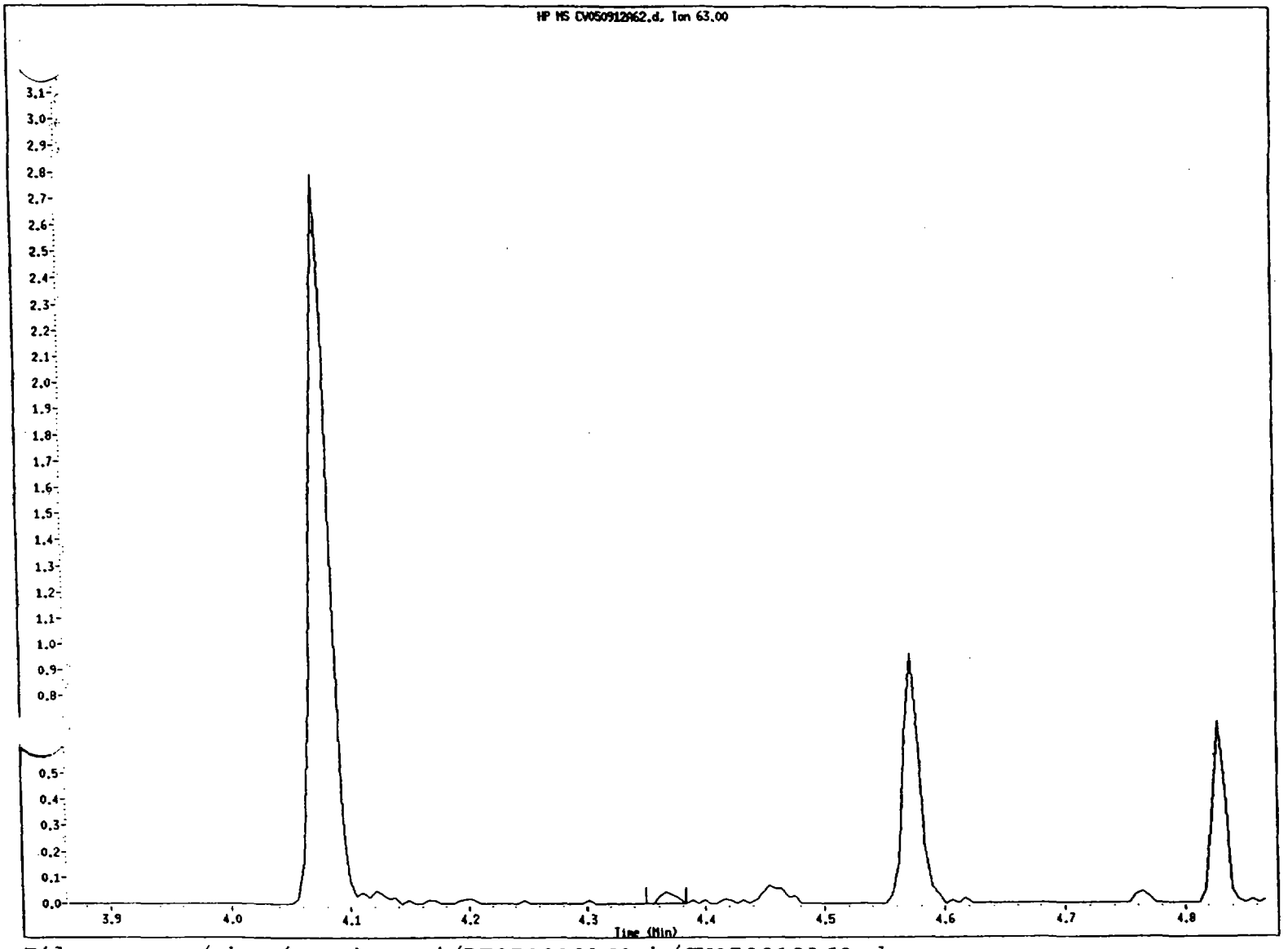
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 1.26
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 409 Manually integrated



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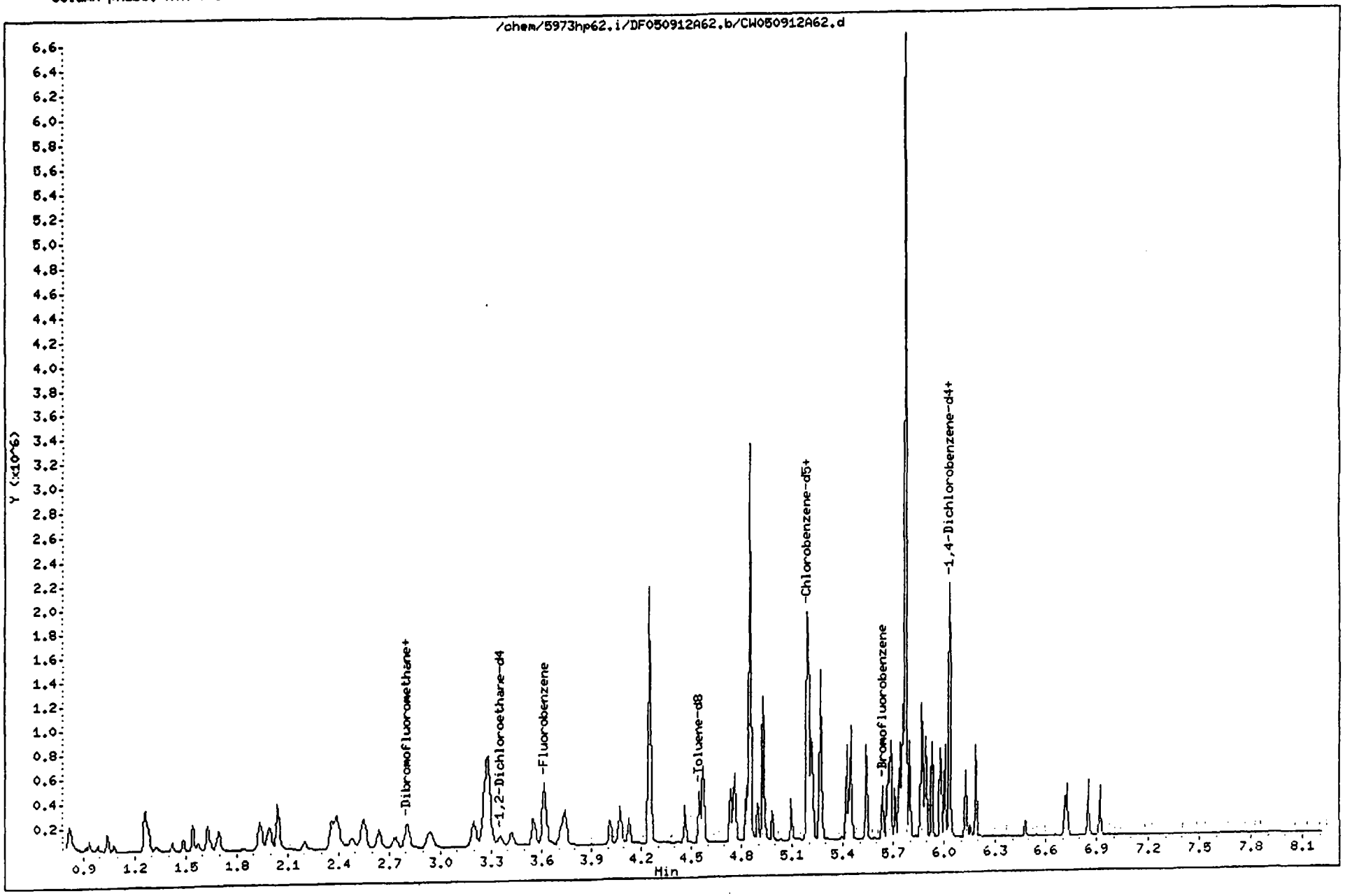
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Date : 12-SEP-2005 15:08
Client ID: VSTD020
Sample Info: VSTD020;2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 12-SEP-2005 15:08
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD020:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 15:08 Cal File: CW050912A62.d
Als bottle: 8 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	3.621	3.621	(1.000)	408068	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	376941	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	208494	250.000	
$	4 Dibromofluoromethane	113	2.804	2.804	(0.774)	51032	100.000	97
$	5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	50810	100.000	98
$	6 Toluene-d8	98	4.552	4.552	(0.877)	155652	100.000	99
$	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	66149	100.000	96
	8 Dichlorodifluoromethane	85	0.698	0.698	(0.193)	35450	100.000	110
	9 Chloromethane	50	0.779	0.779	(0.215)	66988	100.000	110
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	46899	100.000	110
	11 Bromomethane	94	0.937	0.937	(0.259)	27493	100.000	100
	12 Chloroethane	64	0.986	0.986	(0.272)	21322	100.000	100(M)
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	65386	100.000	110
	14 Acrolein	56	1.421	1.421	(0.393)	38747	1000.00	1000
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	37437	100.000	110

2

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

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	1.258	1.258	(0.347)	19285	100.000	110
17 Acetone	43	1.574	1.574	(0.435)	44524	250.000	230
18 Iodomethane	142	1.329	1.329	(0.367)	28413	100.000	94
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.354)	41152	100.000	100
20 Carbon disulfide	76	1.269	1.269	(0.350)	95996	100.000	110
21 3-Chloropropene	76	1.487	1.487	(0.411)	14918	100.000	110
22 Acetonitrile	41	1.841	1.841	(0.508)	8085	100.000	100
23 Methyl acetate	43	1.645	1.645	(0.454)	59093	100.000	110
24 Methylene Chloride	84	1.541	1.541	(0.426)	60815	100.000	100
25 Acrylonitrile	53	2.042	2.042	(0.564)	219358	1000.00	990
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	53149	100.000	100
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	53149	100.000	100
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	128528	100.000	100
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	100671	100.000	110
30 Chloroprene	53	1.988	1.988	(0.549)	55464	100.000	110
31 Vinyl acetate	43	2.200	2.200	(0.608)	83368	100.000	95
32 Isopropyl ether	45	1.939	1.939	(0.535)	195328	100.000	99
33 cis-1,2-Dichloroethene	96	2.390	2.390	(0.660)	61929	100.000	100
34 cis-1,2-DCE (part of total)	96	2.390	2.390	(0.660)	61929	100.000	100
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	52598	100.000	120
36 Propionitrile	54	3.261	3.261	(0.901)	389980	5000.00	5100
37 2-butanone	43	2.957	2.957	(0.817)	65797	250.000	250
38 Methacrylonitrile	41	3.283	3.283	(0.907)	371547	1000.00	990
39 Bromochloromethane	128	2.559	2.559	(0.707)	35223	100.000	100
40 Chloroform	83	2.635	2.635	(0.728)	111090	100.000	100
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	87213	100.000	110
42 Cyclohexane	56	2.543	2.543	(0.702)	66495	100.000	100
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	64917	100.000	100
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	64372	100.000	110
45 1,2-Dichloroethane	62	3.419	3.419	(0.944)	81371	100.000	99
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	120521	5000.00	5200
47 Benzene	78	3.196	3.196	(0.883)	214562	100.000	100
48 Trichloroethene	130	3.746	3.746	(1.035)	67890	100.000	100
49 Methylcyclohexane	83	3.724	3.724	(1.029)	66538	100.000	100
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	62785	100.000	100
51 Dibromomethane	174	4.013	4.013	(1.108)	54583	100.000	100
52 1,4-dioxane	88	4.247	4.247	(1.173)	35700	5000.00	5200
53 Methylmethacrylate	69	4.252	4.252	(1.174)	412373	1000.00	1100
54 Bromodichloromethane	83	4.127	4.127	(1.140)	81228	100.000	100
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	721	100.000	130 (M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	88215	100.000	100
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	156235	250.000	250
58 Toluene	92	4.573	4.573	(0.881)	148543	100.000	100
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	74394	100.000	100
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	66312	100.000	100

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

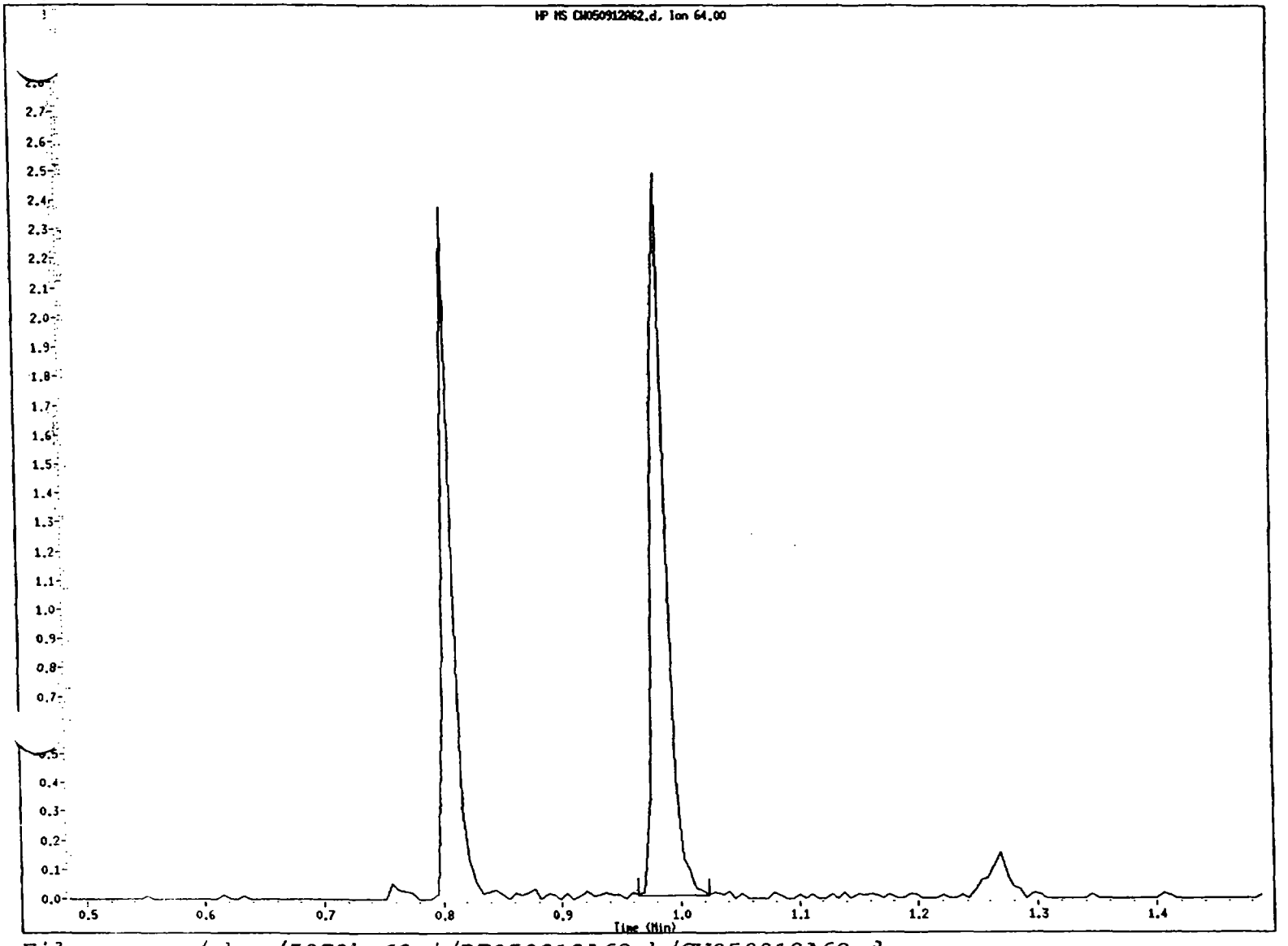
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	791136	1000.00	1100
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	107152	100.000	100
63 Tetrachloroethene	164	4.737	4.737	(0.913)	53397	100.000	100
64 2-hexanone	43	5.096	5.096	(0.982)	103139	250.000	240
65 Dibromochloromethane	129	4.894	4.894	(0.943)	78175	100.000	98
66 1,2-Dibromoethane	107	4.982	4.982	(0.960)	76019	100.000	100
67 Chlorobenzene	112	5.194	5.194	(1.001)	179984	100.000	100
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	70023	100.000	100
70 Ethylbenzene	106	5.210	5.210	(1.004)	87763	100.000	100
71 m,p-Xylene	106	5.270	5.270	(1.016)	222464	200.000	210
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	222464	200.000	210
73 o-Xylene	106	5.423	5.423	(1.045)	112202	100.000	100
74 o-Xylene (part of total)	106	5.423	5.423	(1.045)	112202	100.000	100
75 Styrene	104	5.444	5.444	(1.049)	180925	100.000	100
76 Bromoform	173	5.450	5.450	(1.050)	60167	100.000	100
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.755	5.755	(1.109)	204547	100.000	100
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	86562	100.000	100
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	24649	100.000	100
81 Bromobenzene	156	5.673	5.673	(1.093)	92455	100.000	100
82 trans-1,4-dichloro-2-butene	53	5.771	5.771	(1.112)	573884	400.000	400
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	294330	100.000	100
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	73183	100.000	100
5 4-Chlorotoluene	126	5.798	5.798	(0.961)	73719	100.000	97
, 1,3,5-Trimethyl Benzene	105	5.755	5.755	(0.954)	204547	100.000	100
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	229072	100.000	100
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	212972	100.000	100
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	247538	100.000	100
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	144973	100.000	100
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	203229	100.000	100
93 1,4-Dichlorobenzene	146	6.038	6.038	(1.001)	151360	100.000	100
94 1,2-Dichlorobenzene	146	6.185	6.185	(1.025)	147024	100.000	99
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	164833	100.000	100
96 1,2-Dibromo-3-Chloropropane	157	6.479	6.479	(1.074)	18581	100.000	100
97 1,2,4-Trichlorobenzene	180	6.724	6.724	(1.115)	63352	100.000	94
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	29473	100.000	110
99 Naphthalene	128	6.849	6.849	(1.135)	158557	100.000	99
100 1,2,3-Trichlorobenzene	180	6.920	6.920	(1.147)	59004	100.000	100
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				115078	200.000	200
M 102 Xylene (total)	106				334666	300.000	310

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

QC Flag Legend

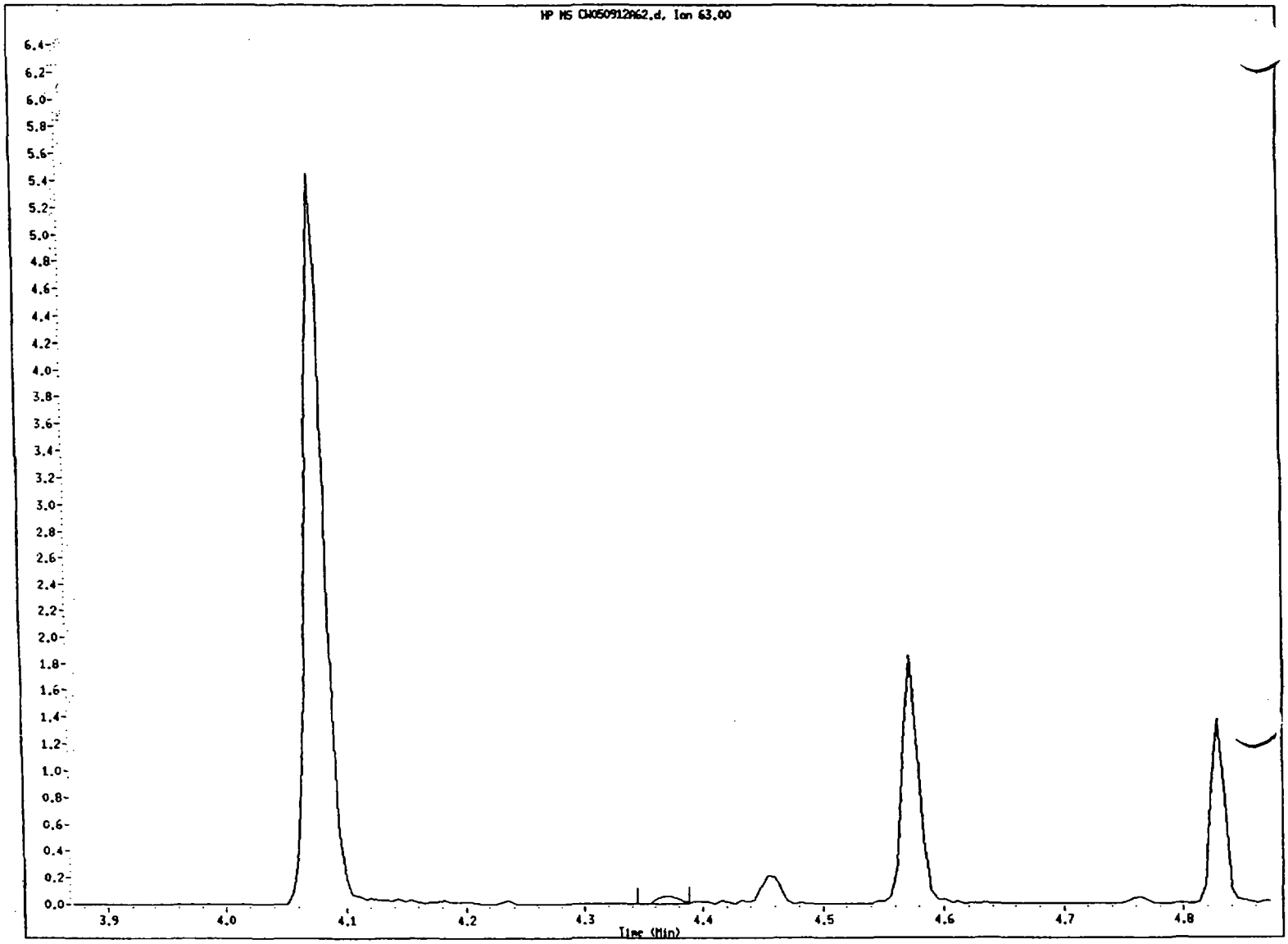
M - Compound response manually integrated.

Chloroethane CAS Number 75-00-3 Area = 21322 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Client ID: VSTD020
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 15:08
Retention Time: 0.99
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 721 Manually integrated



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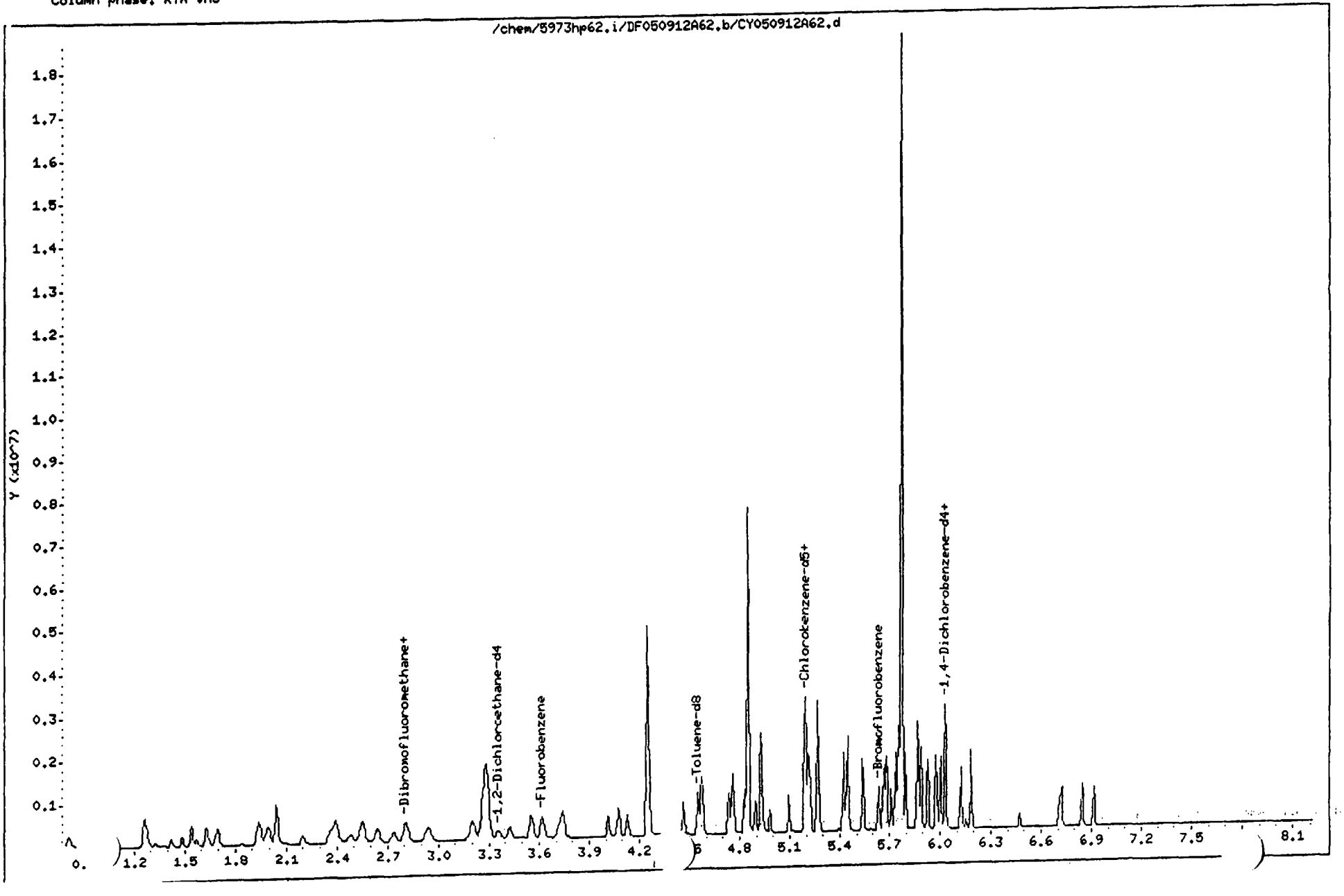
Injection Date and Time: 12-SEP-2005 15:08
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Date : 12-SEP-2005 16:04
Client ID: VSTD050
Sample Info: VSTD050:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 12-SEP-2005 16:04
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD050:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:14 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 16:04 Cal File: CY050912A62.d
Als bottle: 12 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	3.620	3.620	(1.000)	407611	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	380265	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	209006	250.000	
S	4 Dibromofluoromethane	113	2.804	2.804	(0.774)	123739	250.000	240
S	5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	123061	250.000	240
S	6 Toluene-d8	98	4.551	4.551	(0.877)	369092	250.000	230
S	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	158258	250.000	230
	8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	64509	250.000	200
	9 Chloromethane	50	0.779	0.779	(0.215)	122929	250.000	210
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	87444	250.000	200
	11 Bromomethane	94	0.937	0.937	(0.259)	54786	250.000	210(M) 2
	12 Chloroethane	64	0.986	0.986	(0.272)	40424	250.000	190(M) 2
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	120649	250.000	230
	14 Acrolein	56	1.421	1.421	(0.393)	88695	2500.00	2300
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	72799	250.000	210

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

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	1.258	1.258	(0.347)	37732	250.000	240
17 Acetone	43	1.574	1.574	(0.435)	108875	625.000	560
18 Iodomethane	142	1.323	1.323	(0.366)	69738	250.000	230
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	83171	250.000	240
20 Carbon disulfide	76	1.269	1.269	(0.350)	196812	250.000	220
21 3-Chloropropene	76	1.487	1.487	(0.411)	30314	250.000	220
22 Acetonitrile	41	1.840	1.840	(0.508)	16844	250.000	230
23 Methyl acetate	43	1.644	1.644	(0.454)	112643	250.000	230
24 Methylene Chloride	84	1.541	1.541	(0.426)	135561	250.000	230
25 Acrylonitrile	53	2.042	2.042	(0.564)	539613	2500.00	2400
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	112045	250.000	220
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	112045	250.000	220
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	305557	250.000	250
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	212760	250.000	220
30 Chloroprene	53	1.982	1.982	(0.547)	115697	250.000	220
31 Vinyl acetate	43	2.200	2.200	(0.608)	251267	250.000	240
32 Isopropyl ether	45	1.938	1.938	(0.535)	458065	250.000	230
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	143225	250.000	230
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	143225	250.000	230
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	106814	250.000	250
36 Propionitrile	54	3.261	3.261	(0.901)	913827	12500.0	12000
37 2-butanone	43	2.951	2.951	(0.815)	156927	625.000	590
Methacrylonitrile	41	3.288	3.288	(0.908)	886721	2500.00	2400
Bromochloromethane	128	2.559	2.559	(0.707)	77076	250.000	220
40 Chloroform	83	2.641	2.641	(0.729)	249657	250.000	230
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	181392	250.000	220
42 Cyclohexane	56	2.543	2.543	(0.702)	135101	250.000	240
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	140227	250.000	220
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	138996	250.000	230
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	190950	250.000	230
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	283290	12500.0	12000
47 Benzene	78	3.201	3.201	(0.884)	478196	250.000	220
48 Trichloroethene	130	3.746	3.746	(1.035)	145928	250.000	220
49 Methylcyclohexane	83	3.724	3.724	(1.029)	136542	250.000	240
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	140163	250.000	230
51 Dibromomethane	174	4.018	4.018	(1.110)	124584	250.000	240
52 1,4-dioxane	88	4.247	4.247	(1.173)	81415	12500.0	12000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	946300	2500.00	2400
54 Bromodichloromethane	83	4.132	4.132	(1.141)	188789	250.000	230
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	1151	250.000	230(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	214416	250.000	250
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	376203	625.000	590
58 Toluene	92	4.573	4.573	(0.881)	327303	250.000	220
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	191771	250.000	230
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	151804	250.000	230

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

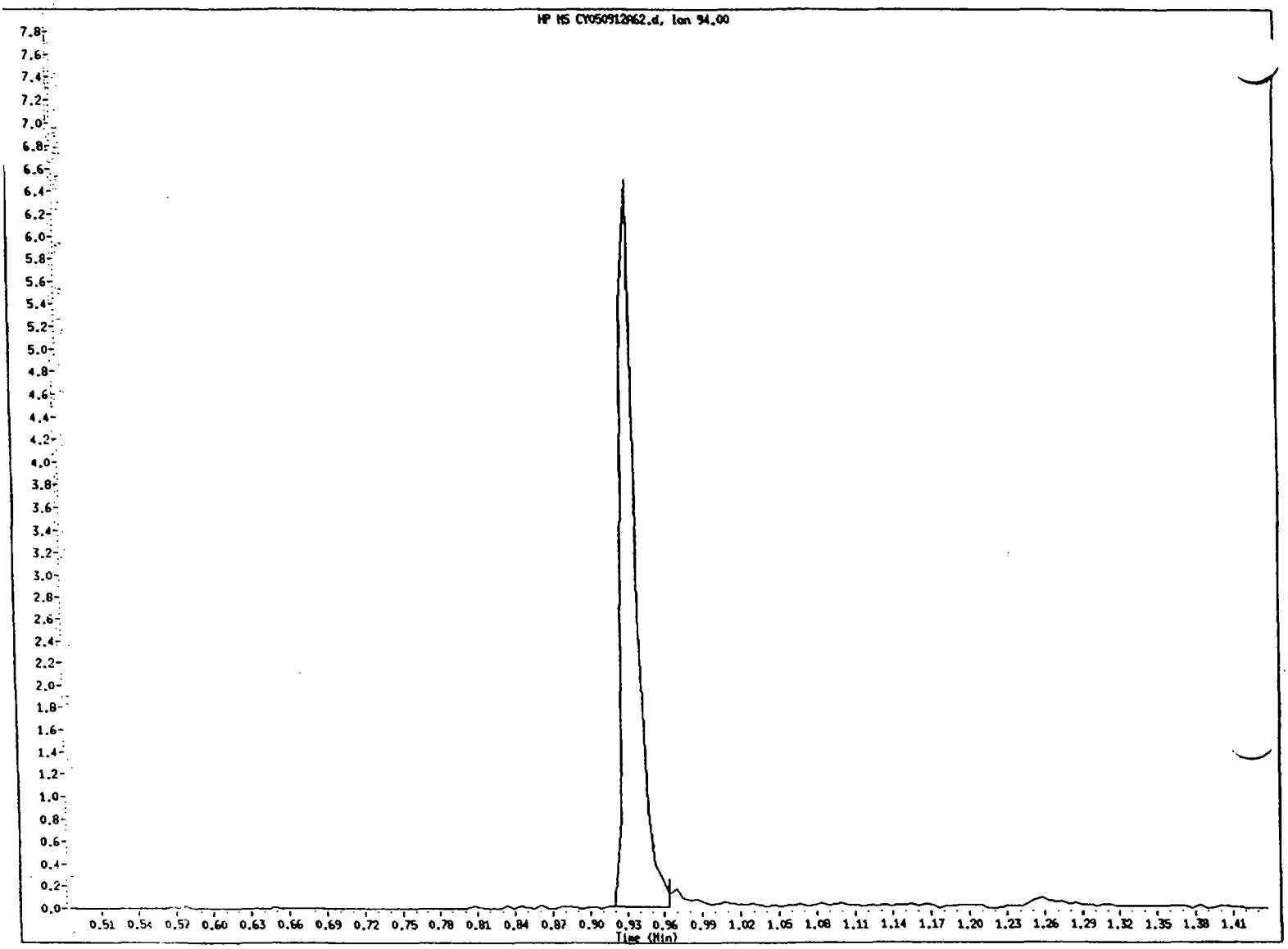
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	1815269	2500.00	2400
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	240350	250.000	230
63 Tetrachloroethene	164	4.736	4.736	(0.913)	116753	250.000	240
64 2-hexanone	43	5.096	5.096	(0.982)	248558	625.000	580
65 Dibromochloromethane	129	4.894	4.894	(0.943)	188579	250.000	230
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	168715	250.000	220
67 Chlorobenzene	112	5.194	5.194	(1.001)	407043	250.000	230
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	163656	250.000	240
70 Ethylbenzene	106	5.210	5.210	(1.004)	193087	250.000	220
71 m,p-Xylene	106	5.270	5.270	(1.016)	479259	500.000	440
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	478332	500.000	440
73 o-Xylene	106	5.422	5.422	(1.045)	250260	250.000	230
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	250260	250.000	230
75 Styrene	104	5.444	5.444	(1.049)	416996	250.000	230
76 Bromoform	173	5.450	5.450	(1.050)	145167	250.000	240
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	451133	250.000	220
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	196562	250.000	230
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	54114	250.000	220
81 Bromobenzene	156	5.673	5.673	(1.093)	207941	250.000	230
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	1538930	1000.00	1000
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	626016	250.000	220
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	164174	250.000	230
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	171425	250.000	230
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	451133	250.000	220
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	497309	250.000	230
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	480581	250.000	230
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	527029	250.000	220
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	328786	250.000	230
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	445862	250.000	220
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	341121	250.000	230
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	334968	250.000	230
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.125	6.125	(1.015)	352723	250.000	220
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	43479	250.000	240
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	151701	250.000	220
98 Hexachlorobutadiene	225	6.707	6.707	(1.112)	59594	250.000	240
99 Naphthalene	128	6.843	6.843	(1.134)	359794	250.000	220
100 1,2,3-Trichlorobenzene	180	6.914	6.914	(1.146)	129255	250.000	220
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				255270	500.000	450
M 102 Xylene (total)	106				728592	750.000	670

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

Q lag Legend

M - Compound response manually integrated.

Bromomethane CAS Number 74-83-9 Area = 54786 Manually integrated



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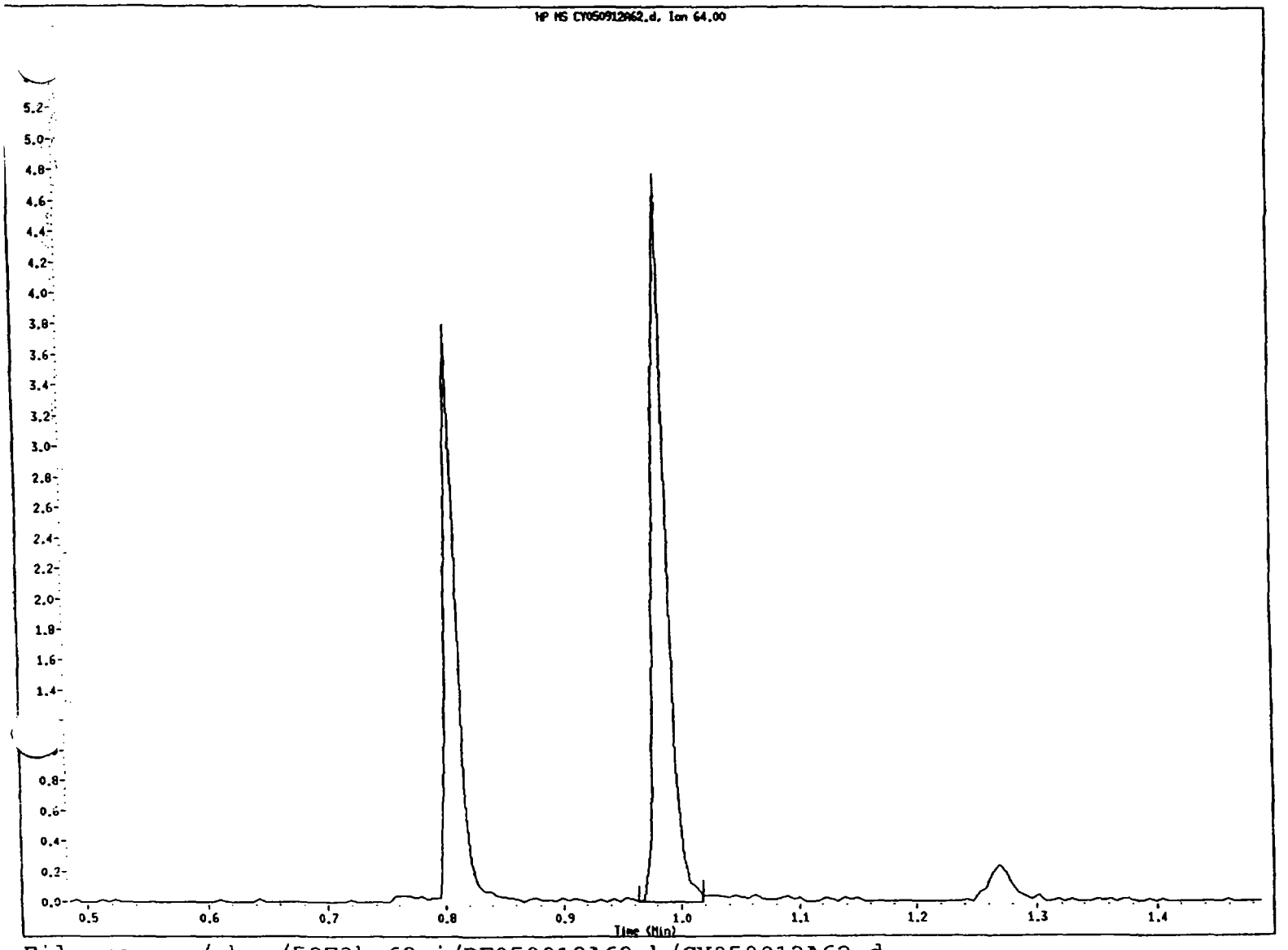
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 40424 Manually integrated



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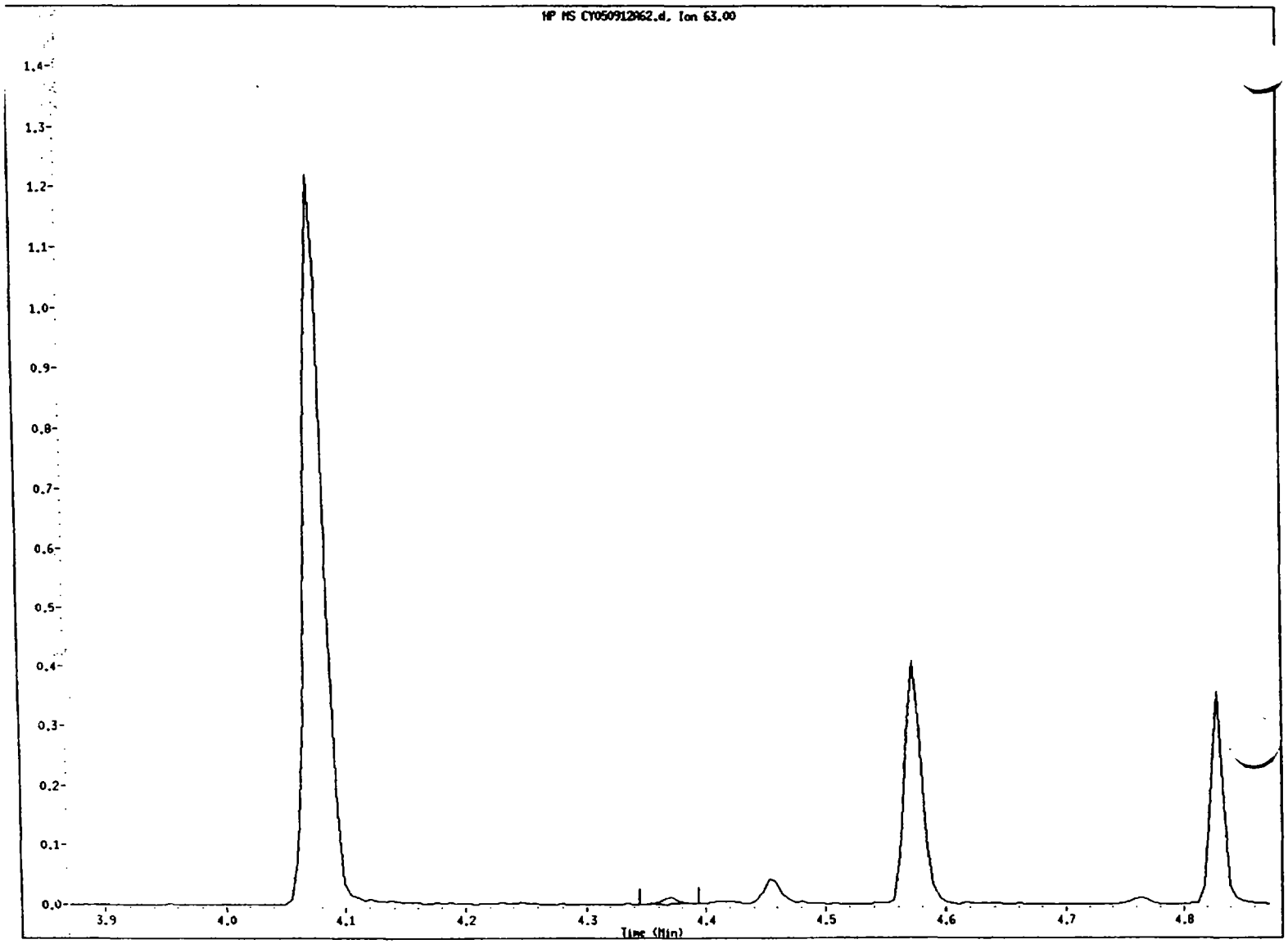
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 0.99
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 1151 Manually integrated



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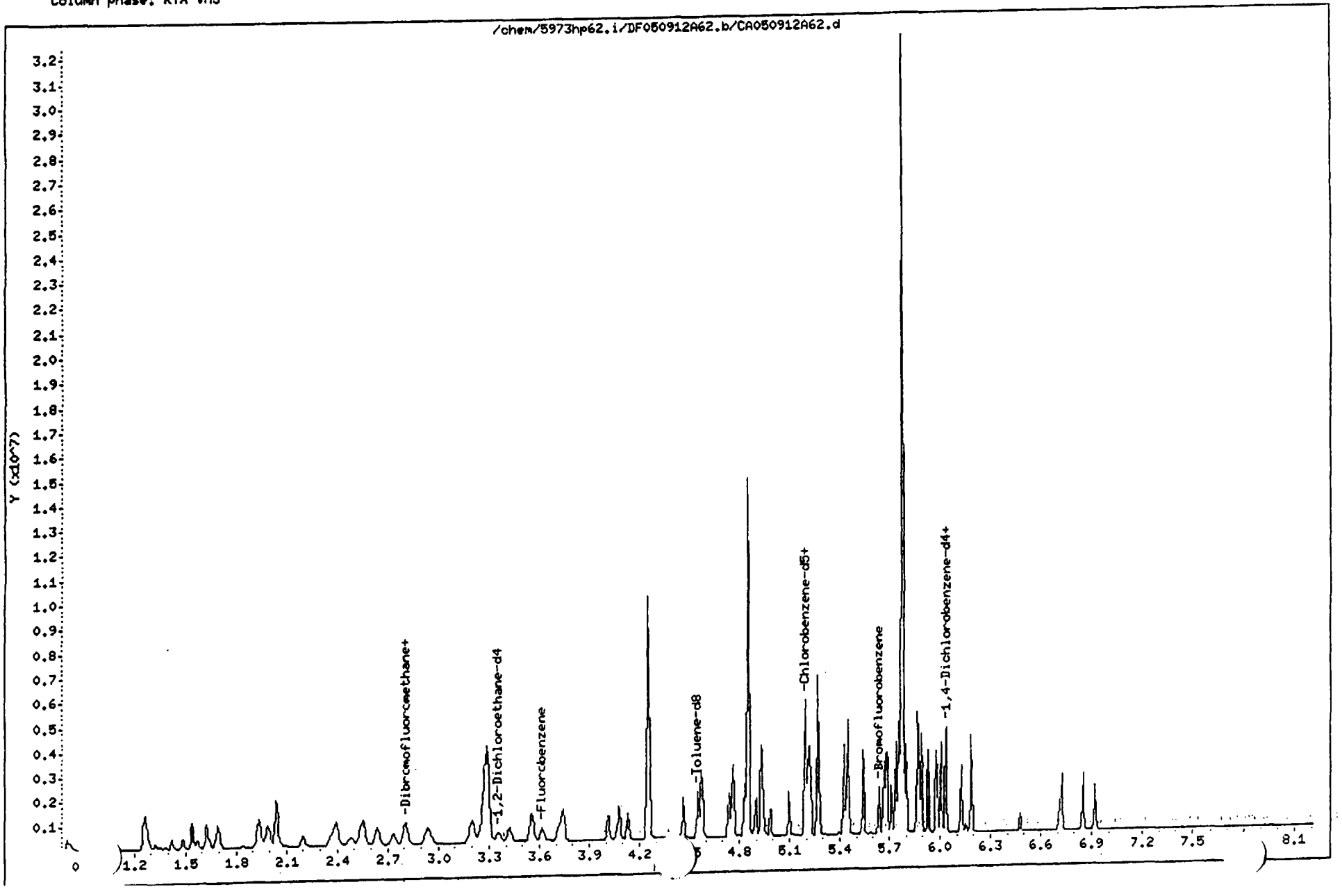
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Date : 12-SEP-2005 17:00
Client ID: VSTD100
Sample Info: VSTD100:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 12-SEP-2005 17:00
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD100:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:54 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:00 Cal File: CA050912A62.d
Als bottle: 16 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	3.620	3.620	(1.000)	402953	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	366183	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	203083	250.000	
$	4 Dibromofluoromethane	113	2.809	2.809	(0.776)	249715	500.000	480
$	5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	243803	500.000	480
$	6 Toluene-d8	98	4.551	4.551	(0.877)	718178	500.000	470
$	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	310639	500.000	460
	8 Dichlorodifluoromethane	85	0.697	0.697	(0.193)	145664	500.000	530
	9 Chloromethane	50	0.779	0.779	(0.215)	288744	500.000	530
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	198694	500.000	460
	11 Bromomethane	94	0.937	0.937	(0.259)	133308	500.000	530
	12 Chloroethane	64	0.986	0.986	(0.272)	96569	500.000	470
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	271712	500.000	560
	14 Acrolein	56	1.421	1.421	(0.393)	185988	5000.00	5000
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	156448	500.000	450

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

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	1.258	1.258	(0.347)	76342	500.000	540
17 Acetone	43	1.574	1.574	(0.435)	242238	1250.00	1300
18 Iodomethane	142	1.323	1.323	(0.365)	146120	500.000	490
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	172194	500.000	540
20 Carbon disulfide	76	1.269	1.269	(0.350)	422239	500.000	470
21 3-Chloropropene	76	1.487	1.487	(0.411)	59467	500.000	430
22 Acetonitrile	41	1.840	1.840	(0.508)	36594	500.000	520
23 Methyl acetate	43	1.644	1.644	(0.454)	235750	500.000	510
24 Methylene Chloride	84	1.541	1.541	(0.426)	294894	500.000	500
25 Acrylonitrile	53	2.042	2.042	(0.564)	1135002	5000.00	5200
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	243299	500.000	490
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	243299	500.000	490
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	687614	500.000	560
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	459177	500.000	490
30 Chloroprene	53	1.982	1.982	(0.547)	238565	500.000	460
31 Vinyl acetate	43	2.200	2.200	(0.608)	552427	500.000	500
32 Isopropyl ether	45	1.938	1.938	(0.535)	1005820	500.000	510
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	312467	500.000	510
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	312467	500.000	510
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	191848	500.000	450
36 Propionitrile	54	3.272	3.272	(0.904)	1927218	25000.0	25000
37 2-butanone	43	2.956	2.956	(0.817)	338166	1250.00	1300
Methacrylonitrile	41	3.288	3.288	(0.908)	1917050	5000.00	5200
Bromochloromethane	128	2.553	2.553	(0.705)	171612	500.000	500
40 Chloroform	83	2.641	2.641	(0.729)	542793	500.000	500
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	383979	500.000	470
42 Cyclohexane	56	2.543	2.543	(0.702)	280301	500.000	540
43 1,1-dichloropropene	75	2.934	2.934	(0.811)	292842	500.000	470
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	288826	500.000	480
45 1,2-Dichloroethane	62	3.424	3.424	(0.946)	416676	500.000	510
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	602654	25000.0	26000
47 Benzene	78	3.201	3.201	(0.884)	1039036	500.000	490
48 Trichloroethene	130	3.746	3.746	(1.035)	303898	500.000	460
49 Methylcyclohexane	83	3.724	3.724	(1.029)	286635	500.000	540
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	309024	500.000	510
51 Dibromomethane	174	4.018	4.018	(1.110)	270300	500.000	520
52 1,4-dioxane	88	4.246	4.246	(1.173)	153838	25000.0	23000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	1946914	5000.00	5000
54 Bromodichloromethane	83	4.132	4.132	(1.141)	414908	500.000	520
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	2600	500.000	500 (M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	481524	500.000	560
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	794868	1250.00	1300
58 Toluene	92	4.573	4.573	(0.881)	686559	500.000	490
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	432200	500.000	500
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	331347	500.000	520

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

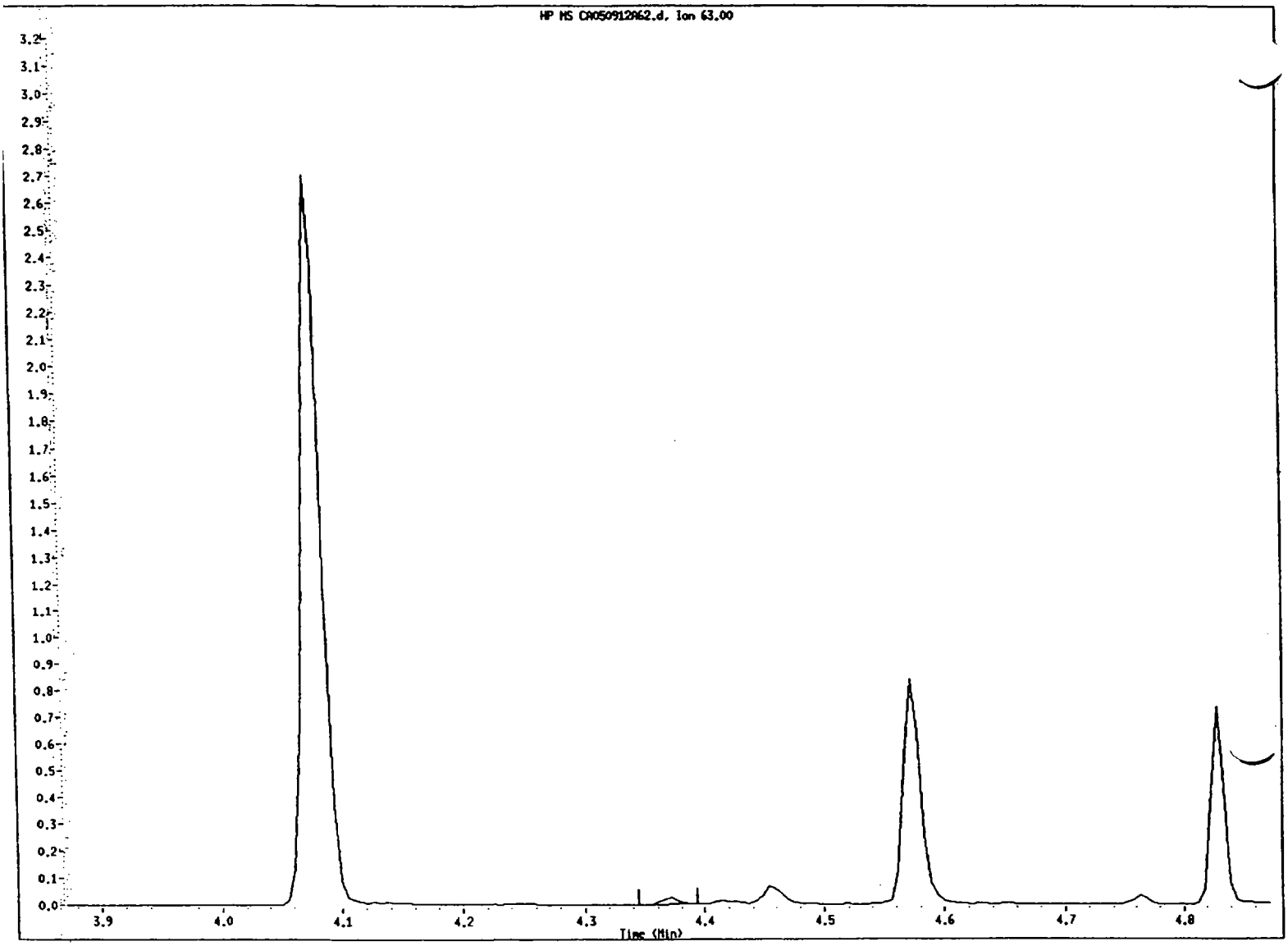
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	3588139	5000.00	5000
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	518947	500.000	510
63 Tetrachloroethene	164	4.736	4.736	(0.913)	231433	500.000	500
64 2-hexanone	43	5.096	5.096	(0.982)	542990	1250.00	1300
65 Dibromochloromethane	129	4.900	4.900	(0.944)	427765	500.000	550
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	382053	500.000	530
67 Chlorobenzene	112	5.194	5.194	(1.001)	854973	500.000	490
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	356505	500.000	530
70 Ethylbenzene	106	5.210	5.210	(1.004)	399146	500.000	480
71 m,p-Xylene	106	5.270	5.270	(1.016)	993909	1000.00	960
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	993909	1000.00	960
73 o-Xylene	106	5.422	5.422	(1.045)	525891	500.000	500
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	525891	500.000	500
75 Styrene	104	5.444	5.444	(1.049)	886806	500.000	520
76 Bromoform	173	5.449	5.449	(1.050)	325114	500.000	560
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	951673	500.000	490
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	437527	500.000	520
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	117673	500.000	510
81 Bromobenzene	156	5.673	5.673	(1.093)	444743	500.000	500
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	3147537	2000.00	2100
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	1317053	500.000	470
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	345465	500.000	490
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	399366	500.000	540
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.955)	951673	500.000	490
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	1034243	500.000	480
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	1004469	500.000	490
90 sec-Butyl Benzene	105	5.928	5.928	(0.983)	1089315	500.000	460
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	694554	500.000	490
92 p-Isopropyl Toluene	119	5.977	5.977	(0.991)	921341	500.000	480
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	722697	500.000	490
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	712322	500.000	490
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.124	6.124	(1.015)	754540	500.000	480
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	96753	500.000	560
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	325795	500.000	500
98 Hexachlorobutadiene	225	6.712	6.712	(1.113)	120061	500.000	520
99 Naphthalene	128	6.848	6.848	(1.135)	786531	500.000	500
100 1,2,3-Trichlorobenzene	180	6.919	6.919	(1.147)	278336	500.000	480
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				555766	1000.00	1000
M 102 Xylene (total)	106				1519800	1500.00	1500

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

Flag Legend

M - Compound response manually integrated.

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 2600 Manually integrated



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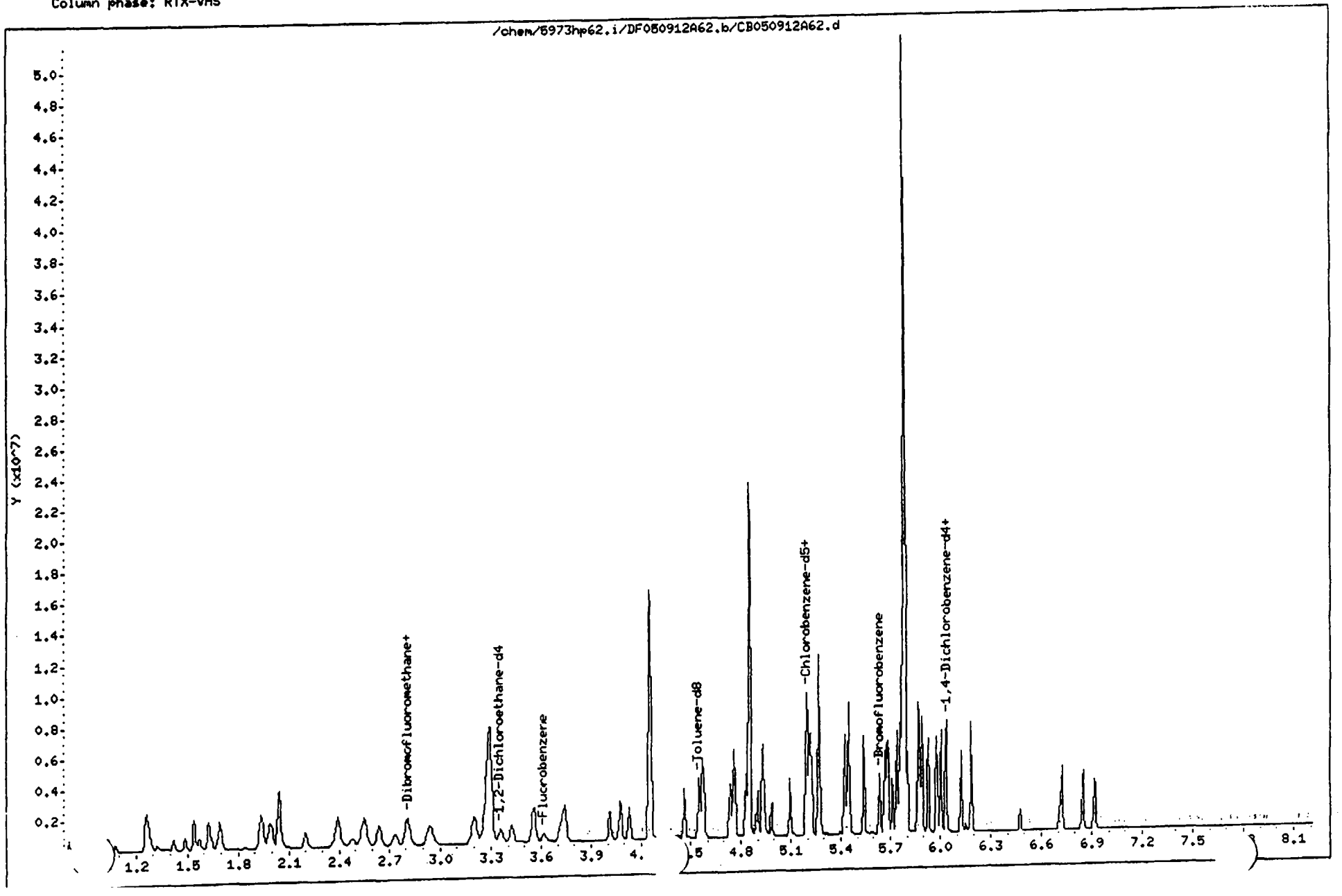
Client ID: VSTD100
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:00
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Date : 12-SEP-2005 17:28
Client ID: VSTD200
Sample Info: VSTD200:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



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Report Date: 13-Sep-2005 00:54

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 12-SEP-2005 17:28
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD200:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:54 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 18 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)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	3.620	3.620	(1.000)	394985	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	348435	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	191941	250.000	
$	4 Dibromofluoromethane	113	2.809	2.809	(0.776)	509267	1000.00	1000
$	5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	516170	1000.00	1000(A)
$	6 Toluene-d8	98	4.551	4.551	(0.877)	1449956	1000.00	1000
$	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	631016	1000.00	990
	8 Dichlorodifluoromethane	85	0.697	0.697	(0.193)	232824	1000.00	990
	9 Chloromethane	50	0.773	0.773	(0.214)	522571	1000.00	990(M) 2
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	331748	1000.00	790
	11 Bromomethane	94	0.937	0.937	(0.259)	242015	1000.00	990
	12 Chloroethane	64	0.986	0.986	(0.272)	141824	1000.00	710(A)
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	449515	1000.00	970
	14 Acrolein	56	1.421	1.421	(0.393)	370157	10000.0	10000(A)
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	282849	1000.00	830

9/13/2

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

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	1.258	1.258	(0.347)	133403	1000.00	980
17 Acetone	43	1.574	1.574	(0.435)	507183	2500.00	2700(A)
18 Iodomethane	142	1.323	1.323	(0.366)	266915	1000.00	910
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	297897	1000.00	980
20 Carbon disulfide	76	1.269	1.269	(0.350)	764356	1000.00	860
21 3-Chloropropene	76	1.487	1.487	(0.411)	119950	1000.00	890
22 Acetonitrile	41	1.840	1.840	(0.508)	68338	1000.00	1000
23 Methyl acetate	43	1.644	1.644	(0.454)	442833	1000.00	1000
24 Methylene Chloride	84	1.541	1.541	(0.426)	543699	1000.00	940
25 Acrylonitrile	53	2.047	2.047	(0.565)	2226449	10000.0	10000(A)
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	437258	1000.00	890
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	437258	1000.00	890
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	1282890	1000.00	1100(A)
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	858063	1000.00	930
30 Chloroprene	53	1.982	1.982	(0.547)	444905	1000.00	880
31 Vinyl acetate	43	2.200	2.200	(0.608)	1162857	1000.00	1000
32 Isopropyl ether	45	1.938	1.938	(0.535)	1869192	1000.00	980
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	576714	1000.00	960
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	576714	1000.00	960
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	296603	1000.00	720
36 Propionitrile	54	3.283	3.283	(0.907)	3688439	50000.0	50000
37 2-butanone	43	2.956	2.956	(0.817)	695273	2500.00	2700(A)
38 Methacrylonitrile	41	3.299	3.299	(0.911)	3582599	10000.0	9900
Bromochloromethane	128	2.559	2.559	(0.707)	310027	1000.00	920
40 Chloroform	83	2.641	2.641	(0.729)	1003806	1000.00	940
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	703382	1000.00	890
42 Cyclohexane	56	2.543	2.543	(0.702)	483469	1000.00	980
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	536976	1000.00	870
44 Carbon Tetrachloride	117	2.733	2.733	(0.755)	506483	1000.00	870
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	788599	1000.00	990
46 Isobutyl alcohol	43	3.561	3.561	(0.983)	1199216	50000.0	53000(A)
47 Benzene	78	3.201	3.201	(0.884)	1934104	1000.00	940
48 Trichloroethene	130	3.746	3.746	(1.035)	559927	1000.00	870
49 Methylcyclohexane	83	3.724	3.724	(1.029)	495536	1000.00	980
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	570942	1000.00	960
51 Dibromomethane	174	4.018	4.018	(1.110)	485734	1000.00	950
52 1,4-dioxane	88	4.246	4.246	(1.173)	294976	50000.0	45000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	3459236	10000.0	9100
54 Bromodichloromethane	83	4.132	4.132	(1.141)	785470	1000.00	1000
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	8932	1000.00	1000(AM)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	913367	1000.00	1100(A)
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	1561653	2500.00	2700(A)
58 Toluene	92	4.573	4.573	(0.881)	1274196	1000.00	950
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	844491	1000.00	1000(A)
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	614934	1000.00	1000(A)

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	6060477	10000.0	8900
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	936840	1000.00	970
63 Tetrachloroethene	164	4.736	4.736	(0.913)	432935	1000.00	1000(A)
64 2-hexanone	43	5.096	5.096	(0.982)	1094865	2500.00	2800(A)
65 Dibromochloromethane	129	4.900	4.900	(0.944)	811244	1000.00	1100(A)
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	712198	1000.00	1000(A)
67 Chlorobenzene	112	5.194	5.194	(1.001)	1563823	1000.00	950
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	673440	1000.00	1100(A)
70 Ethylbenzene	106	5.210	5.210	(1.004)	738977	1000.00	930
71 m,p-Xylene	106	5.270	5.270	(1.016)	1810861	2000.00	1800
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	1810861	2000.00	1800
73 o-Xylene	106	5.422	5.422	(1.045)	970303	1000.00	970
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	970303	1000.00	970
75 Styrene	104	5.444	5.444	(1.049)	1630189	1000.00	1000
76 Bromoform	173	5.450	5.450	(1.050)	610587	1000.00	1100(A)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	1708740	1000.00	920
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	816383	1000.00	1000(A)
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	217453	1000.00	980
81 Bromobenzene	156	5.673	5.673	(1.093)	817433	1000.00	970
82 trans-1,4-dichloro-2-butene	53	5.782	5.782	(1.114)	5642535	4000.00	3900
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	2385619	1000.00	910
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	626137	1000.00	940
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	663173	1000.00	950
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.955)	1708740	1000.00	920
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	1882983	1000.00	930
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	1841398	1000.00	950
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	1975905	1000.00	890
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	1264265	1000.00	940
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	1662932	1000.00	910
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	1296782	1000.00	940
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	1301250	1000.00	960
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.125	6.125	(1.015)	1362222	1000.00	910
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	177676	1000.00	1100(A)
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	609414	1000.00	980
98 Hexachlorobutadiene	225	6.707	6.707	(1.112)	214793	1000.00	990
99 Naphthalene	128	6.849	6.849	(1.135)	1489894	1000.00	1000(A)
100 1,2,3-Trichlorobenzene	180	6.919	6.919	(1.147)	520502	1000.00	950
M 101 1,2-Dichloroethene (total)	96				1013972	2000.00	1900
M 102 Xylene (total)	106				2781164	3000.00	2800

QC Flag Legend

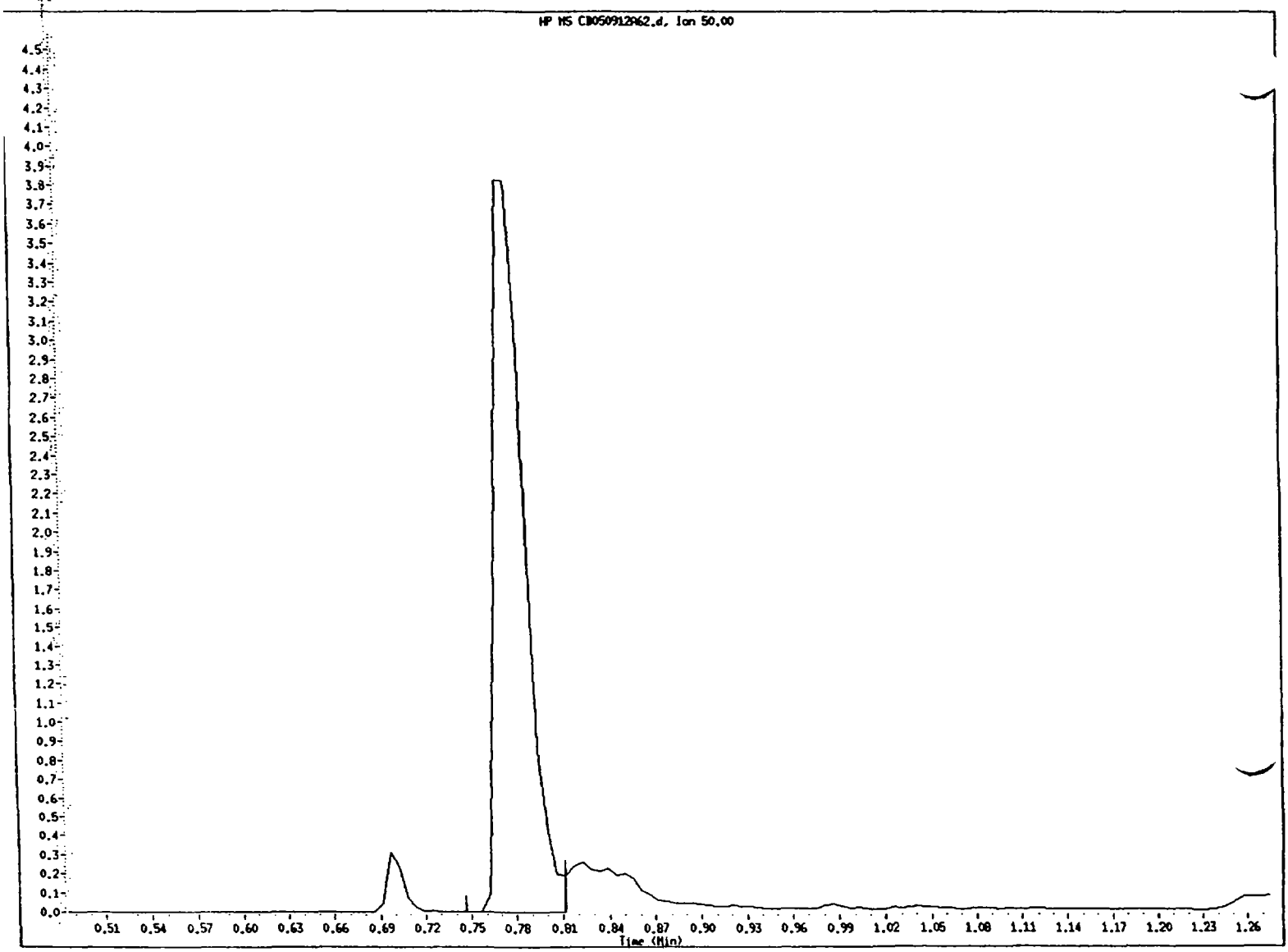
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

Q Flag Legend

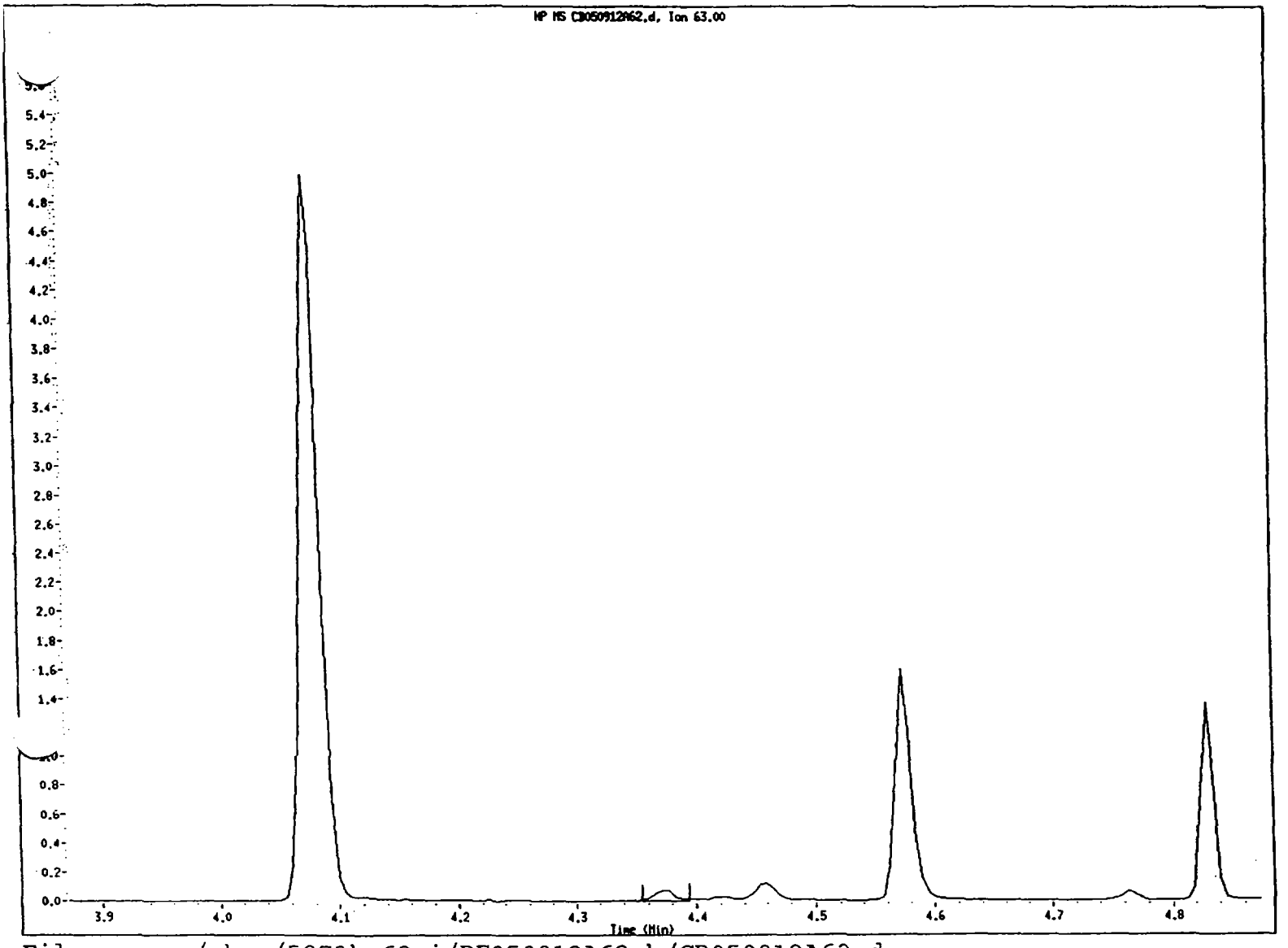
M - Compound response manually integrated.

Chloromethane CAS Number 74-87-3 Area = 522571 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Client ID: VSTD200
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:28
Retention Time: 0.77
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 8932 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Client ID: VSTD200
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:28
Retention Time: 4.37
Operator ID: 2323

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COMPUCHEM a division of Liberty Analytical Corp DATE 9/12/05 INITIAL TIME OF TUNE 1326 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0126 LINKER /METHOD 8260B

COMPUCHEM LOGBOOK 11 J(4) 7 (5973hp62)

PREVENTIVE MAINTENANCE None

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050913A62	/	NA	NA	9/12/05	1326	SFB	—	2ul	NA	2323	LCD=SD
2		CU	/			/ /	1409	VSTD005	—	5ul			
3		CV	/			/ /	1440	010	—				Tul passes
4		CW	/			/ /	1524	020	—				
5		CX	/			/ /	1604	050	—				
6		CA	/			/ /	1700	100	—				
7		CB	/			/ /	1728	200	—				
8		79339A62	CS			/ /	1748	VBLK SUS	7619				
9		R A62	CS			/ /	1809						
10		R2A62	/			/ /	1829						
11		79342A62	/			/ /	1850	VSUS LCS					
12		CC050912A62	/			/ /	1911	VIBLKAB					
13		79156A62	/	1	1	/ /	1955	ZZEBLKMD		1ml	5x		
14		761906A62	/			/ /	2019	S-37830-005					
15		07	/			/ /	2042	-006					
16		08	/			/ /	2106	-007					
17		09	/			/ /	2130	-008					
18		79426A62	/			/ /	2151	-005MS					
19		17	/			/ /	2211	-005MSD					
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature] Date 9/13/05

Tune (ID #7008) Lot No. 63488

Calibration Group Code / Lot No: DC258

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

3/25/05:jad

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

LAB FILE ID: RF5: GT050912A59 RF10: GU050912A59 RF20: GV050912A59
RF50: GA050912A59 RF100: GX050912A59RF200: GY050912A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.36218	0.36401	0.34185	0.31709	0.32653	0.37121
Chloromethane	0.18071	0.18070	0.16960	0.16346	0.16436	0.16839
Vinyl Chloride	0.15403	0.15362	0.14668	0.14838	0.14976	0.15701
Bromomethane	0.29620	0.28894	0.27341	0.29178	0.26128	0.27161
Chloroethane	0.21146	0.22672	0.20687	0.20698	0.20791	0.20670
Trichlorofluoromethane	0.43531	0.43300	0.40104	0.38912	0.39785	0.44155
1,1-Dichloroethene	0.24475	0.25932	0.24771	0.24446	0.24222	0.25102
Carbon disulfide	0.88694	1.00224	0.97604	0.93437	0.94136	0.95032
1,1,2-trichloro-1,2,2-triflu	0.30598	0.31788	0.31464	0.29405	0.28990	0.33277
Acetone	0.05932	0.05358	0.05850	0.05387	0.05844	0.05638
Methylene Chloride	0.31280	0.32159	0.31424	0.29585	0.30056	0.29326
trans-1,2-Dichloroethene	0.29553	0.29911	0.29388	0.27511	0.27621	0.27322
Methyl-tert-butyl ether	0.58596	0.62167	0.63464	0.59374	0.61717	0.58832
1,1-Dichloroethane	0.50753	0.53341	0.52468	0.49446	0.48359	0.46264
s-1,2-Dichloroethene	0.30719	0.31048	0.30730	0.29010	0.28756	0.27912
butanone	0.08916	0.08524	0.09198	0.09158	0.09796	0.09146
Chloroform	0.51807	0.54672	0.54540	0.50556	0.51513	0.51198
1,1,1-Trichloroethane	0.41799	0.42861	0.41734	0.39661	0.40333	0.41838
Carbon Tetrachloride	0.35564	0.34174	0.34890	0.32330	0.32744	0.35224
Benzene	1.04993	1.07507	1.05554	0.98590	0.96555	0.95141
1,2-Dichloroethane	0.33348	0.35580	0.35557	0.33788	0.34189	0.33628
Trichloroethene	0.27122	0.27994	0.26510	0.25511	0.25969	0.26584
1,2-Dichloropropane	0.26687	0.27772	0.27247	0.24596	0.22637	0.19497
Bromodichloromethane	0.34193	0.37966	0.38141	0.35742	0.37259	0.37161
cis-1,3-Dichloropropene	0.41554	0.42893	0.43392	0.43340	0.44271	0.43851
4-Methyl-2-pentanone	0.28250	0.29502	0.32607	0.30807	0.32722	0.31527
Toluene	0.94623	0.97117	0.97993	0.88995	0.88714	0.90035
trans-1,3-Dichloropropene	0.56603	0.59656	0.59428	0.55410	0.53892	0.50973
1,1,2-Trichloroethane	0.29851	0.31971	0.32601	0.30789	0.31541	0.31427
Tetrachloroethene	0.29531	0.31348	0.28618	0.26624	0.27529	0.29823
2-hexanone	0.18861	0.19840	0.21738	0.21070	0.23174	0.21753
Dibromochloromethane	0.36717	0.38873	0.40808	0.39014	0.40982	0.41935
1,2-Dibromoethane	0.33514	0.33846	0.35531	0.35684	0.35084	0.35465
Chlorobenzene	0.95804	0.99479	0.98135	0.91904	0.91473	0.95117
Ethylbenzene	0.47968	0.49522	0.48106	0.44340	0.44828	0.46427
Styrene	0.89109	0.97613	0.99442	0.93423	0.93947	0.94642
Bromoform	0.21718	0.24514	0.25255	0.24217	0.26214	0.26542
Isopropyl Benzene	1.42509	1.53241	1.38973	1.34365	1.40086	1.51873
1,1,2,2-Tetrachloroethane	0.91270	0.96561	1.04001	0.95202	0.93967	0.92020
1,3-Dichlorobenzene	1.46042	1.47453	1.42802	1.37610	1.40353	1.43516
1,4-Dichlorobenzene	1.53185	1.57868	1.48722	1.42791	1.45048	1.55574
1,2-Dichlorobenzene	1.31008	1.37224	1.33278	1.27291	1.30249	1.40141
2-Dibromo-3-Chloropropane	0.11523	0.11589	0.14117	0.12760	0.14464	0.15709
2,4-Trichlorobenzene	0.88588	0.93403	0.81212	0.87107	0.93326	1.02903

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

LAB FILE ID: RF5: GT050912A59 RF10: GU050912A59 RF20: GV050912A59
RF50: GA050912A59 RF100: GX050912A59RF200: GY050912A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.58272	0.61204	0.57907	0.54588	0.54974	0.55328
Methyl acetate	0.12011	0.13548	0.14885	0.14502	0.14663	0.14084
Cyclohexane	0.36544	0.38497	0.37326	0.34909	0.34593	0.40606
Methylcyclohexane	0.33348	0.37853	0.33407	0.31877	0.31410	0.35240
Dibromofluoromethane	0.33574	0.32148	0.31034	0.29662	0.30224	0.29074
1,2-Dichloroethane-d4	0.34728	0.31553	0.31320	0.28825	0.30143	0.28796
Toluene-d8	1.52973	1.39097	1.37367	1.30043	1.32549	1.27882
Bromofluorobenzene	1.15363	1.08551	1.10372	1.07421	1.07758	1.07078

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG	0.34714451	6.372	15.000
Chloromethane	AVRG	0.17120284	4.509	15.000
Vinyl Chloride	AVRG	0.15157988	2.592	30.000
Bromomethane	AVRG	0.28053686	4.897	15.000
Chloroethane	AVRG	0.21110700	3.722	15.000
Trichlorofluoromethane	AVRG	0.41631135	5.467	15.000
1,1-Dichloroethene	AVRG	0.24824815	2.506	30.000
Carbon disulfide	AVRG	0.94854515	4.135	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG	0.30920599	5.160	15.000
Acetone	AVRG	0.05668242	4.392	15.000
Methylene Chloride	AVRG	0.30638377	3.725	15.000
trans-1,2-Dichloroethene	AVRG	0.28551223	4.147	15.000
Methyl-tert-butyl ether	AVRG	0.60691818	3.336	15.000
1,1-Dichloroethane	AVRG	0.50105220	5.258	15.000
cis-1,2-Dichloroethene	AVRG	0.29695855	4.386	15.000
butanone	AVRG	0.09123046	4.550	15.000
loroform	AVRG	0.52381093	3.385	30.000
1,1,1-Trichloroethane	AVRG	0.41370951	2.809	15.000
Carbon Tetrachloride	AVRG	0.34154529	3.925	15.000
Benzene	AVRG	1.01389995	5.182	15.000
1,2-Dichloroethane	AVRG	0.34348371	2.864	15.000
Trichloroethene	AVRG	0.26615061	3.279	15.000
1,2-Dichloropropane	AVRG	0.24739252	12.935	30.000
Bromodichloromethane	AVRG	0.36743833	4.109	15.000
cis-1,3-Dichloropropene	AVRG	0.43216815	2.177	15.000
4-Methyl-2-pentanone	AVRG	0.30902781	5.718	15.000
Toluene	AVRG	0.92912853	4.506	30.000
trans-1,3-Dichloropropene	AVRG	0.55993618	5.952	15.000
1,1,2-Trichloroethane	AVRG	0.31363469	3.042	15.000
Tetrachloroethene	AVRG	0.28912216	5.865	15.000
2-hexanone	AVRG	0.21072585	7.268	15.000
Dibromochloromethane	AVRG	0.39721573	4.765	15.000
1,2-Dibromoethane	AVRG	0.34854029	2.687	15.000
Chlorobenzene	AVRG	0.95318832	3.382	15.000
Ethylbenzene	AVRG	0.46865104	4.324	30.000
Styrene	AVRG	0.94695994	3.791	15.000
Bromoform	AVRG	0.24743421	7.032	15.000
Isopropyl Benzene	AVRG	1.43507848	5.229	15.000
1,1,2,2-Tetrachloroethane	AVRG	0.95503483	4.817	15.000
1,3-Dichlorobenzene	AVRG	1.42962741	2.530	15.000
1,4-Dichlorobenzene	AVRG	1.50531439	3.981	15.000
1,2-Dichlorobenzene	AVRG	1.33198699	3.566	15.000
1,2-Dibromo-3-Chloropropane	AVRG	0.13360400	12.605	15.000
2,4-Trichlorobenzene	AVRG	0.91089733	8.061	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

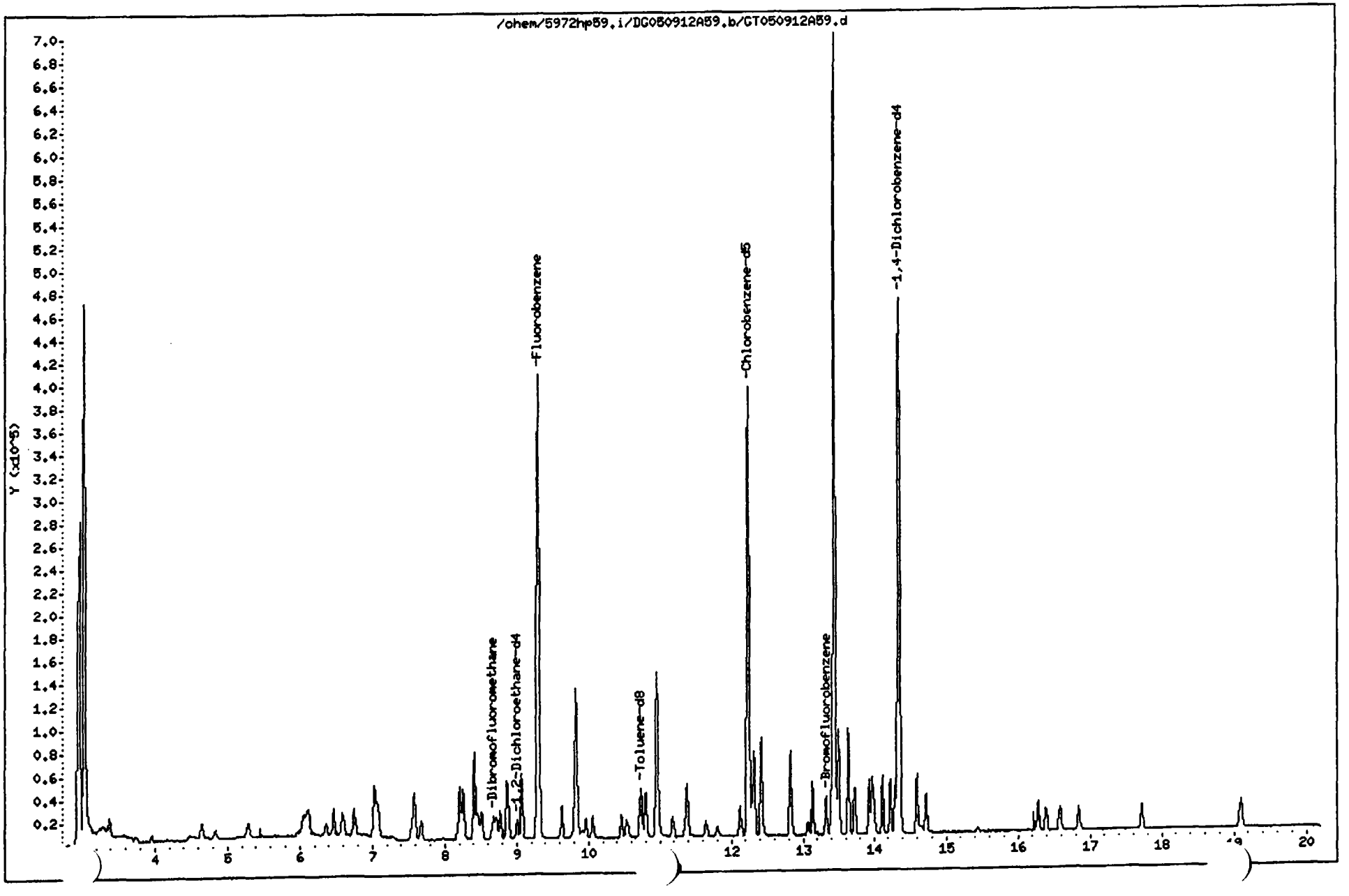
COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG	0.57045591	4.491	15.000
Methyl acetate	AVRG	0.13948935	7.606	15.000
Cyclohexane	AVRG	0.37079209	6.113	15.000
Methylcyclohexane	AVRG	0.33856025	7.020	15.000
Dibromofluoromethane	AVRG	0.30952669	5.412	15.000
1,2-Dichloroethane-d4	AVRG	0.30894438	7.174	15.000
Toluene-d8	AVRG	1.36651850	6.629	15.000
Bromofluorobenzene	AVRG	1.09423819	2.867	15.000

FORM VI VOA

Data File: /chem/5972hp59.i/DC050912A59.b/CT050912A59.d
Date : 12-SEP-2005 15:49
Client ID: VSTD005
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 12-SEP-2005 15:49
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 15:49 Cal File: GT050912A59.d
Als bottle: 6 Calibration Sample, Level: 1
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	9.293	9.300	(1.000)	429534	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.222	(1.000)	280958	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.339	14.337	(1.000)	147266	250.000	
$ 4 Dibromofluoromethane	113	8.673	8.670	(0.933)	14421	25.0000	27
$ 5 1,2-Dichloroethane-d4	65	8.998	8.995	(0.968)	14917	25.0000	27
$ 6 Toluene-d8	98	10.729	10.727	(0.878)	42979	25.0000	27
$ 7 Bromofluorobenzene	95	13.307	13.304	(0.928)	16989	25.0000	26
8 Dichlorodifluoromethane	85	3.380	3.378	(0.364)	15557	25.0000	27
9 Chloromethane	50	3.744	3.742	(0.403)	7762	25.0000	25
10 Vinyl Chloride	62	3.961	3.958	(0.426)	6616	25.0000	25
11 Bromomethane	94	4.639	4.637	(0.499)	12723	25.0000	25
12 Chloroethane	64	4.836	4.824	(0.520)	9083	25.0000	25
13 Trichlorofluoromethane	101	5.299	5.286	(0.570)	18698	25.0000	26
14 Acrolein	56	5.977	5.955	(0.643)	6180	250.000	240(M)
15 1,1-Dichloroethene	96	6.115	6.113	(0.658)	10513	25.0000	25
16 1,1,1-trichloro-2,2,2-trifluo	117	6.036	6.044	(0.650)	5044	25.0000	25

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Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.174	6.162	(0.664)	6370	62.5000	66
18 Iodomethane	142	6.361	6.359	(0.685)	14718	25.0000	23
19 1,1,2-trichloro-1,2,2-trifluo	101	6.076	6.073	(0.654)	13143	25.0000	25
20 Carbon disulfide	76	6.459	6.467	(0.695)	38097	25.0000	24
21 3-Chloropropene	76	6.587	6.585	(0.709)	6136	25.0000	25
22 Acetonitrile	41	6.587	6.585	(0.709)	16129	25.0000	26
23 Methyl acetate	43	6.597	6.575	(0.710)	5159	25.0000	23
24 Methylene Chloride	84	6.745	6.742	(0.726)	13436	25.0000	26
25 Acrylonitrile	53	7.030	7.018	(0.756)	33357	250.000	250
26 trans-1,2-Dichloroethene	96	7.079	7.067	(0.762)	12694	25.0000	26
27 trans-1,2-DCE (part of total)	96	7.079	7.067	(0.762)	12694	25.0000	26
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.030	7.018	(0.756)	25169	25.0000	25
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.571	7.569	(0.815)	21800	25.0000	25
30 Chloroprene	53	7.669	7.677	(0.825)	14314	25.0000	24
31 Vinyl acetate	43	7.581	7.569	(0.816)	31278	25.0000	24
32 Isopropyl ether	45	7.571	7.569	(0.815)	34305	25.0000	25
33 cis-1,2-Dichloroethene	96	8.201	8.198	(0.882)	13195	25.0000	26
34 cis-1,2-DCE (part of total)	96	8.201	8.198	(0.882)	13195	25.0000	26
35 2,2-Dichloropropane	77	8.201	8.198	(0.882)	18380	25.0000	25
36 Propionitrile	54	8.250	8.247	(0.888)	56037	1250.00	1300
37 2-butanone	43	8.181	8.169	(0.880)	9574	62.5000	62(M)
38 Methacrylonitrile	41	8.407	8.395	(0.905)	48316	250.000	250
39 Bromochloromethane	128	8.457	8.464	(0.910)	5482	25.0000	25
40 Chloroform	83	8.506	8.503	(0.915)	22253	25.0000	25
41 1,1,1-Trichloroethane	97	8.712	8.710	(0.938)	17954	25.0000	26
42 Cyclohexane	56	8.771	8.769	(0.944)	15697	25.0000	26
43 1,1-dichloropropene	75	8.860	8.857	(0.953)	15973	25.0000	26
44 Carbon Tetrachloride	117	8.880	8.877	(0.956)	15276	25.0000	26
45 1,2-Dichloroethane	62	9.066	9.064	(0.976)	14324	25.0000	25
46 Isobutyl alcohol	43	8.860	8.848	(0.953)	13173	1250.00	1100
47 Benzene	78	9.066	9.064	(0.976)	45098	25.0000	26
48 Trichloroethene	130	9.627	9.625	(1.036)	11650	25.0000	26
49 Methylcyclohexane	83	9.794	9.802	(1.054)	14324	25.0000	26
50 1,2-Dichloropropane	63	9.824	9.831	(1.057)	11463	25.0000	26
51 Dibromomethane	174	9.962	9.959	(1.072)	6839	25.0000	25
52 1,4-dioxane	88	9.912	9.910	(1.067)	4053	1250.00	1200
53 Methylmethacrylate	69	9.824	9.821	(1.057)	59581	250.000	250
54 Bromodichloromethane	83	10.060	10.058	(1.083)	14687	25.0000	24
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.454	10.451	(1.125)	17849	25.0000	24
57 4-Methyl-2-pentanone	43	10.532	10.520	(0.862)	19843	62.5000	60
58 Toluene	92	10.788	10.795	(0.882)	26585	25.0000	26
59 trans-1,3-Dichloropropene	75	10.965	10.963	(0.897)	15903	25.0000	25
60 1,1,2-Trichloroethane	97	11.172	11.169	(0.914)	8387	25.0000	25
61 Ethylmethacrylate	69	10.945	10.943	(0.895)	114991	250.000	250

N2
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Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.368	11.356	(0.930)	15455	25.0000	25
63 Tetrachloroethene	164	11.368	11.376	(0.930)	8297	25.0000	26
64 2-hexanone	43	11.368	11.336	(0.930)	13248	62.5000	59
65 Dibromochloromethane	129	11.644	11.641	(0.953)	10316	25.0000	24
66 1,2-Dibromoethane	107	11.801	11.799	(0.965)	9416	25.0000	24
67 Chlorobenzene	112	12.254	12.251	(1.002)	26917	25.0000	26
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.303	12.301	(1.006)	9922	25.0000	25
70 Ethylbenzene	106	12.303	12.301	(1.006)	13477	25.0000	26
71 m,p-Xylene	106	12.411	12.409	(1.015)	33368	50.0000	52
72 m,p-Xylene (part of total)	106	12.411	12.409	(1.015)	33368	50.0000	52
73 o-Xylene	106	12.805	12.802	(1.047)	15748	25.0000	26
74 o-Xylene (part of total)	106	12.805	12.802	(1.047)	15748	25.0000	26
75 Styrene	104	12.815	12.812	(1.048)	25036	25.0000	24
76 Bromoform	173	13.061	13.058	(1.068)	6102	25.0000	24 (M)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.120	13.117	(1.073)	40039	25.0000	26
79 1,1,2,2-Tetrachloroethane	83	13.385	13.383	(0.933)	13441	25.0000	24
80 1,2,3-Trichloropropane	110	13.454	13.452	(1.101)	2936	25.0000	25
81 Bromobenzene	156	13.493	13.491	(1.104)	11141	25.0000	26
83 n-Propyl Benzene	91	13.493	13.491	(0.941)	58558	25.0000	26
84 2-Chlorotoluene	126	13.631	13.629	(0.951)	9586	25.0000	24
85 4-Chlorotoluene	126	13.720	13.707	(0.957)	10339	25.0000	25
86 1,3,5-Trimethyl Benzene	105	13.621	13.619	(0.950)	33761	25.0000	25
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.926	13.924	(0.971)	29869	25.0000	25
89 1,2,4-Trimethyl Benzene	105	13.966	13.963	(0.974)	34370	25.0000	25
90 sec-Butyl Benzene	105	14.113	14.111	(0.984)	44470	25.0000	25
91 1,3-Dichlorobenzene	146	14.290	14.288	(0.997)	21507	25.0000	26
92 p-Isopropyl Toluene	119	14.221	14.219	(0.992)	34016	25.0000	25
93 1,4-Dichlorobenzene	146	14.359	14.357	(1.001)	22559	25.0000	26
94 1,2-Dichlorobenzene	146	14.723	14.711	(1.027)	19293	25.0000	25
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.595	14.593	(1.018)	38540	25.0000	25
96 1,2-Dibromo-3-Chloropropane	157	15.441	15.439	(1.077)	1697	25.0000	24
97 1,2,4-Trichlorobenzene	180	16.278	16.275	(1.135)	13046	25.0000	25
98 Hexachlorobutadiene	225	16.396	16.393	(1.143)	5828	25.0000	25
99 Naphthalene	128	16.583	16.570	(1.156)	28187	25.0000	25
100 1,2,3-Trichlorobenzene	180	16.848	16.846	(1.175)	11672	25.0000	25
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				25889	50.0000	52
M 102 Xylene (total)	106				49116	75.0000	77

MZ
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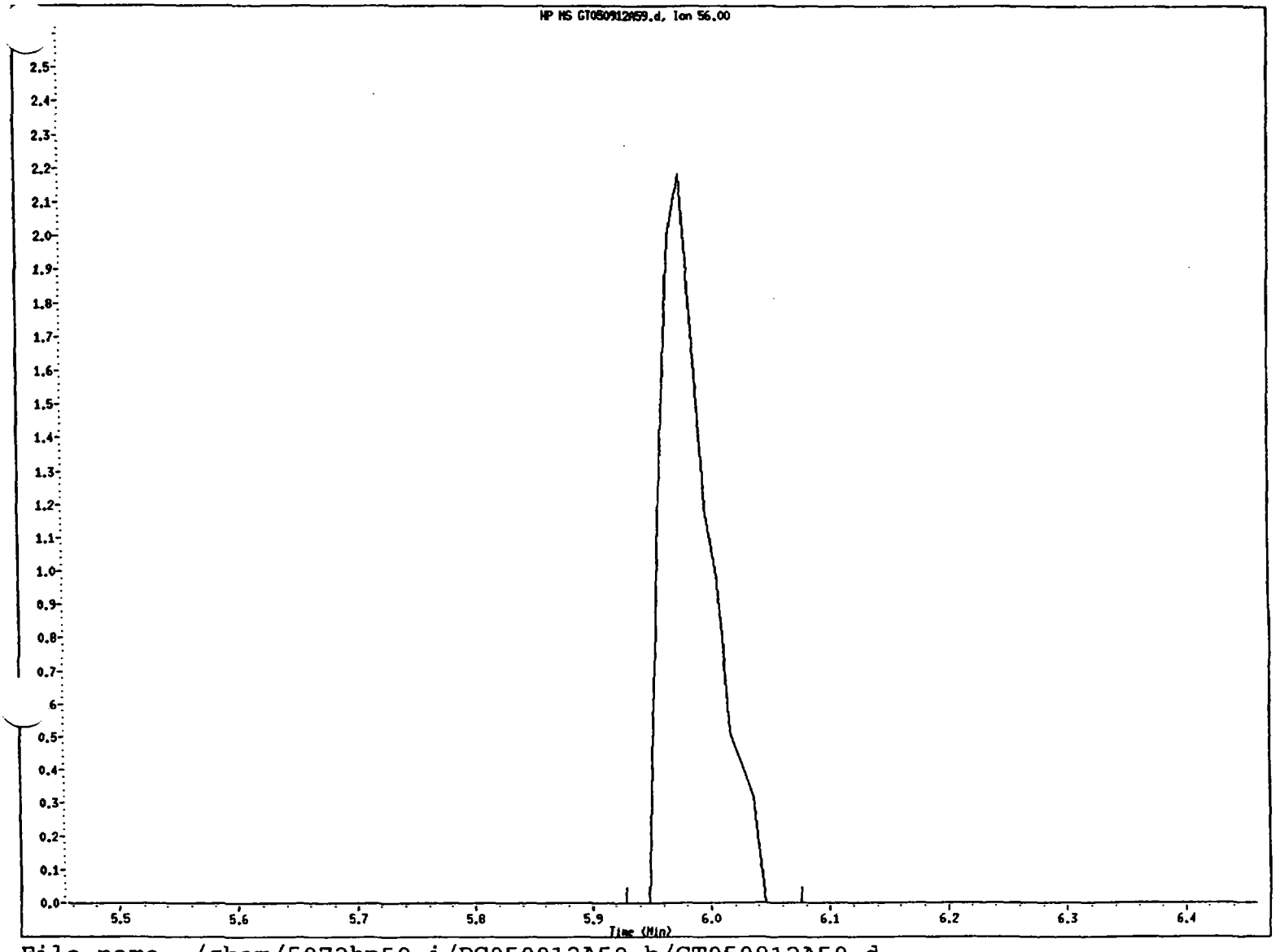
QC Flag Legend

M - Compound response manually integrated.

Acrolein CAS Number 107-02-8 Area = 6180 Manually integrated



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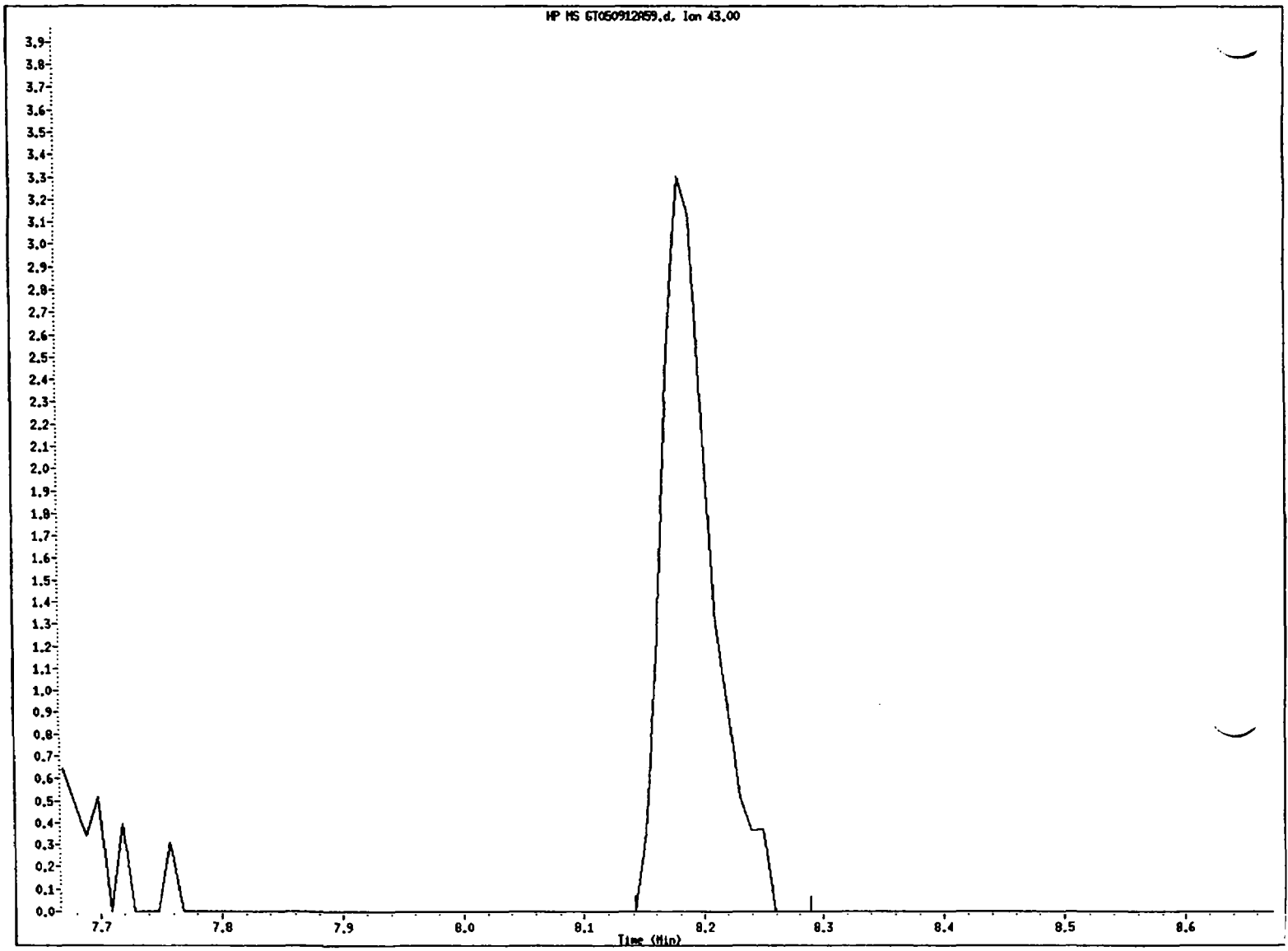
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 15:49
Retention Time: 5.98
Operator ID: 2473

2-butanone CAS Number 78-93-3 Area = 9574 Manually integrated



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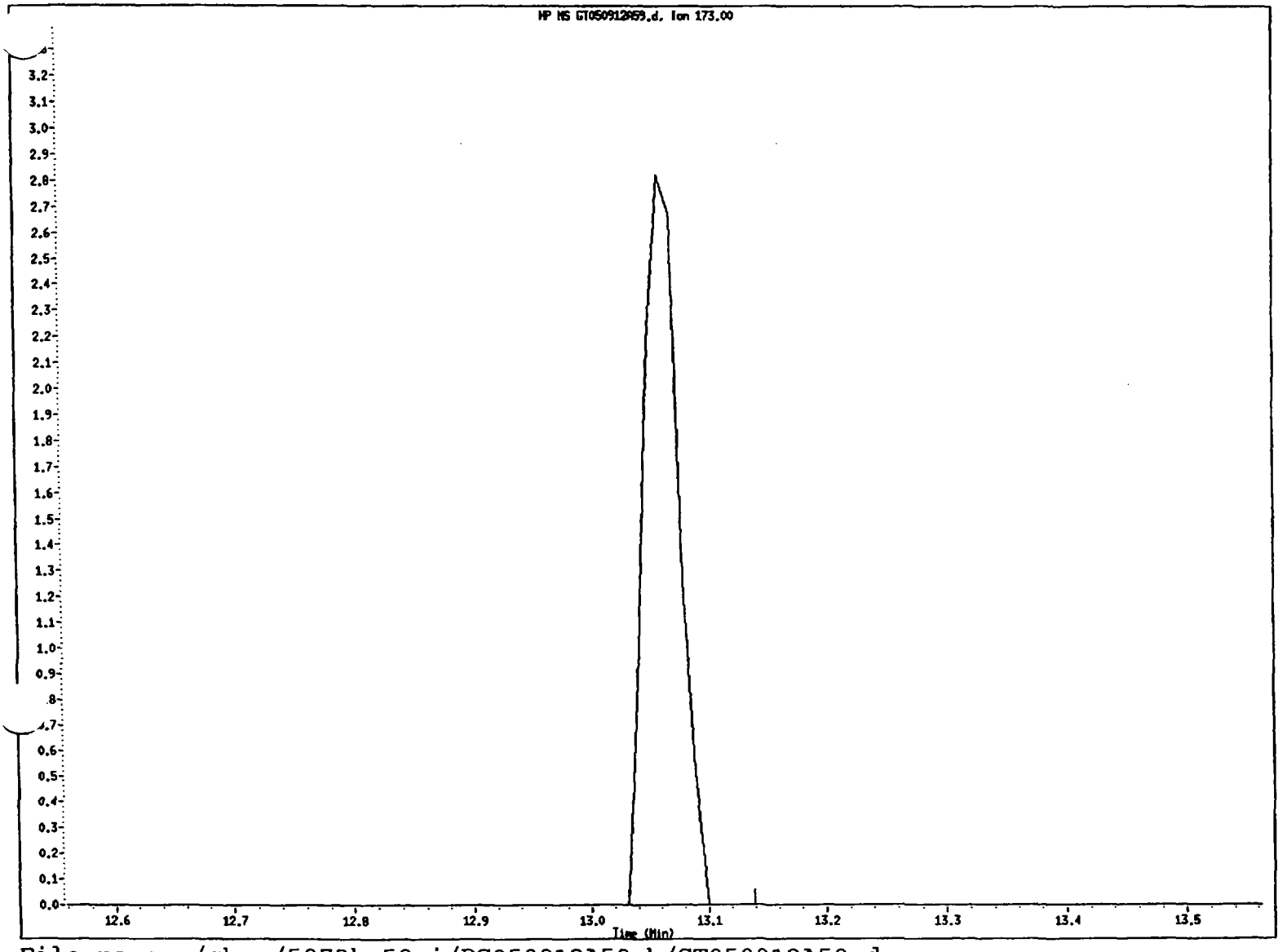
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 15:49
Retention Time: 8.18
Operator ID: 2473

Bromoform CAS Number 75-25-2 Area = 6102 Manually integrated



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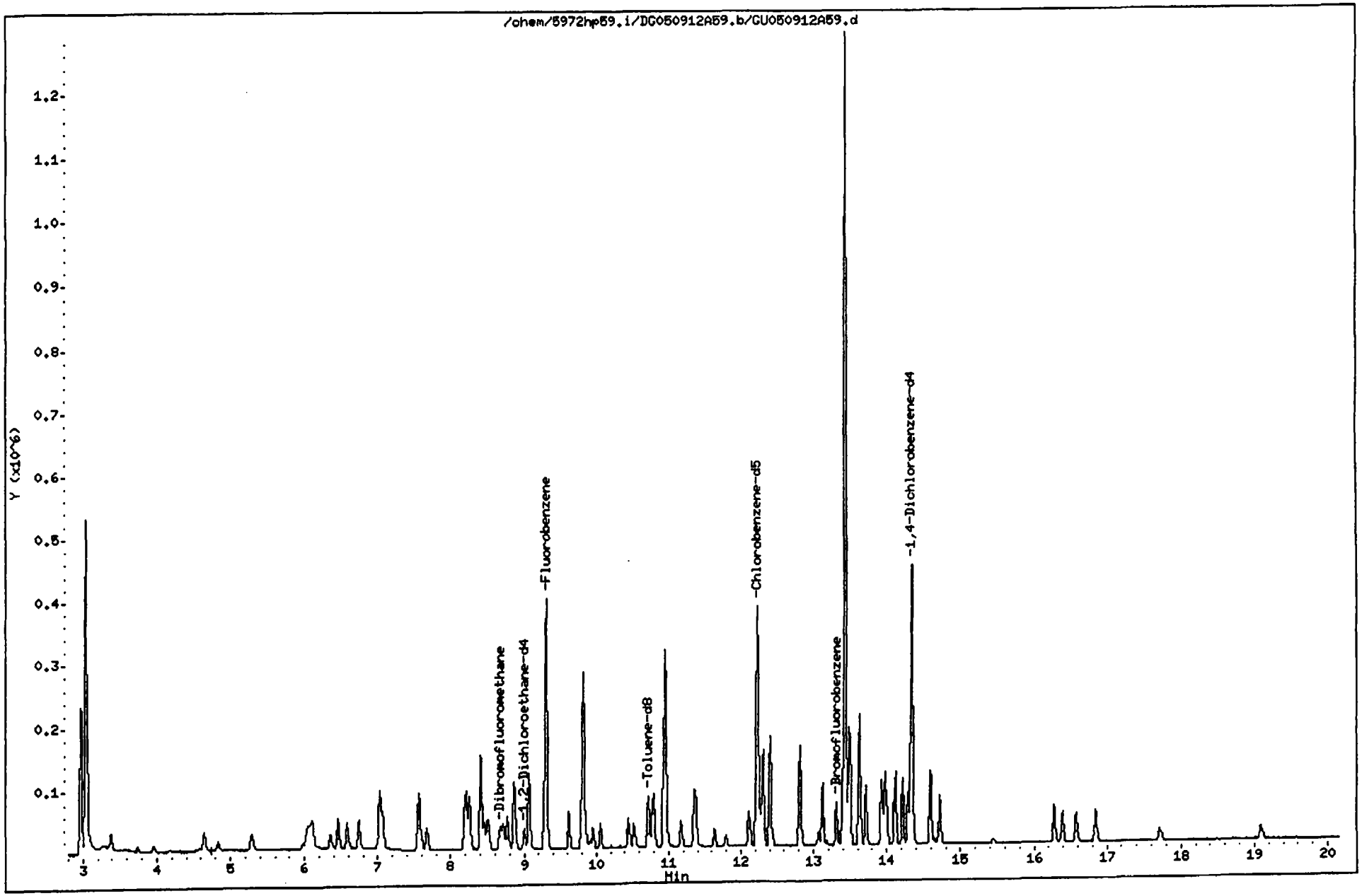
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 15:49
Retention Time: 13.06
Operator ID: 2473

Data File: /ohem/5972hp59.i/DC050912A59.b/CU050912A59.d
Date : 12-SEP-2005 16:16
Client ID: VSTD010
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 12-SEP-2005 16:16
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 16:16 Cal File: GU050912A59.d
Als bottle: 7 Calibration Sample, Level: 2
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	9.296	9.300	(1.000)	419055	250.000	
* 2 Chlorobenzene-d5	117	12.227	12.222	(1.000)	271951	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.342	14.337	(1.000)	141859	250.000	
$ 4 Dibromofluoromethane	113	8.666	8.670	(0.932)	26944	50.0000	51
$ 5 1,2-Dichloroethane-d4	65	9.001	8.995	(0.968)	26445	50.0000	50
$ 6 Toluene-d8	98	10.722	10.727	(0.877)	75655	50.0000	49
$ 7 Bromofluorobenzene	95	13.309	13.304	(0.928)	30798	50.0000	49
8 Dichlorodifluoromethane	85	3.383	3.378	(0.364)	30508	50.0000	52
9 Chloromethane	50	3.737	3.742	(0.402)	15145	50.0000	50
10 Vinyl Chloride	62	3.954	3.958	(0.425)	12875	50.0000	51
11 Bromomethane	94	4.642	4.637	(0.499)	24216	50.0000	50
12 Chloroethane	64	4.829	4.824	(0.520)	19002	50.0000	52
13 Trichlorofluoromethane	101	5.292	5.286	(0.569)	36290	50.0000	52
14 Acrolein	56	5.971	5.955	(0.642)	11260	500.000	460(M)
15 1,1-Dichloroethene	96	6.108	6.113	(0.657)	21734	50.0000	52
16 1,1,1-trichloro-2,2,2-trifluo	117	6.039	6.044	(0.650)	10585	50.0000	53

9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.167	6.162	(0.663)	11227	125.000	120
18 Iodomethane	142	6.354	6.359	(0.684)	31470	50.0000	50
19 1,1,2-trichloro-1,2,2-trifluo	101	6.069	6.073	(0.653)	26642	50.0000	52
20 Carbon disulfide	76	6.462	6.467	(0.695)	83999	50.0000	53
21 3-Chloropropene	76	6.590	6.585	(0.709)	12315	50.0000	51
22 Acetonitrile	41	6.590	6.585	(0.709)	31420	50.0000	51
23 Methyl acetate	43	6.590	6.575	(0.709)	11355	50.0000	51
24 Methylene Chloride	84	6.748	6.742	(0.726)	26953	50.0000	52
25 Acrylonitrile	53	7.033	7.018	(0.757)	64081	500.000	500
26 trans-1,2-Dichloroethene	96	7.072	7.067	(0.761)	25069	50.0000	52
27 trans-1,2-DCE (part of total)	96	7.072	7.067	(0.761)	25069	50.0000	52
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.023	7.018	(0.756)	52103	50.0000	52
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.574	7.569	(0.815)	44706	50.0000	52
30 Chloroprene	53	7.672	7.677	(0.825)	29514	50.0000	51
31 Vinyl acetate	43	7.574	7.569	(0.815)	65305	50.0000	51
32 Isopropyl ether	45	7.564	7.569	(0.814)	70313	50.0000	51
33 cis-1,2-Dichloroethene	96	8.204	8.198	(0.883)	26022	50.0000	51
34 cis-1,2-DCE (part of total)	96	8.204	8.198	(0.883)	26022	50.0000	51
35 2,2-Dichloropropane	77	8.204	8.198	(0.883)	37310	50.0000	52
36 Propionitrile	54	8.253	8.247	(0.888)	109770	2500.00	2500
37 2-butanone	43	8.174	8.169	(0.879)	17861	125.000	120
38 Methacrylonitrile	41	8.400	8.395	(0.904)	95183	500.000	510
39 Bromochloromethane	128	8.459	8.464	(0.910)	11298	50.0000	52
40 Chloroform	83	8.509	8.503	(0.915)	45821	50.0000	52
41 1,1,1-Trichloroethane	97	8.715	8.710	(0.938)	35922	50.0000	52
42 Cyclohexane	56	8.774	8.769	(0.944)	32265	50.0000	53
43 1,1-dichloropropene	75	8.863	8.857	(0.953)	32871	50.0000	53
44 Carbon Tetrachloride	117	8.873	8.877	(0.954)	28642	50.0000	50
45 1,2-Dichloroethane	62	9.069	9.064	(0.976)	29820	50.0000	52
46 Isobutyl alcohol	43	8.853	8.848	(0.952)	28633	2500.00	2500
47 Benzene	78	9.069	9.064	(0.976)	90103	50.0000	52
48 Trichloroethene	130	9.630	9.625	(1.036)	23462	50.0000	52
49 Methylcyclohexane	83	9.797	9.802	(1.054)	31725	50.0000	55
50 1,2-Dichloropropane	63	9.827	9.831	(1.057)	23276	50.0000	53
51 Dibromomethane	174	9.965	9.959	(1.072)	13663	50.0000	51
52 1,4-dioxane	88	9.915	9.910	(1.067)	7994	2500.00	2400
53 Methylmethacrylate	69	9.827	9.821	(1.057)	124929	500.000	520
54 Bromodichloromethane	83	10.063	10.058	(1.083)	31820	50.0000	53
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.457	10.451	(1.125)	35949	50.0000	50
57 4-Methyl-2-pentanone	43	10.525	10.520	(0.861)	40116	125.000	120
58 Toluene	92	10.791	10.795	(0.883)	52822	50.0000	52
59 trans-1,3-Dichloropropene	75	10.968	10.963	(0.897)	32447	50.0000	52
60 1,1,2-Trichloroethane	97	11.175	11.169	(0.914)	17389	50.0000	52
61 Ethylmethacrylate	69	10.948	10.943	(0.895)	228427	500.000	510

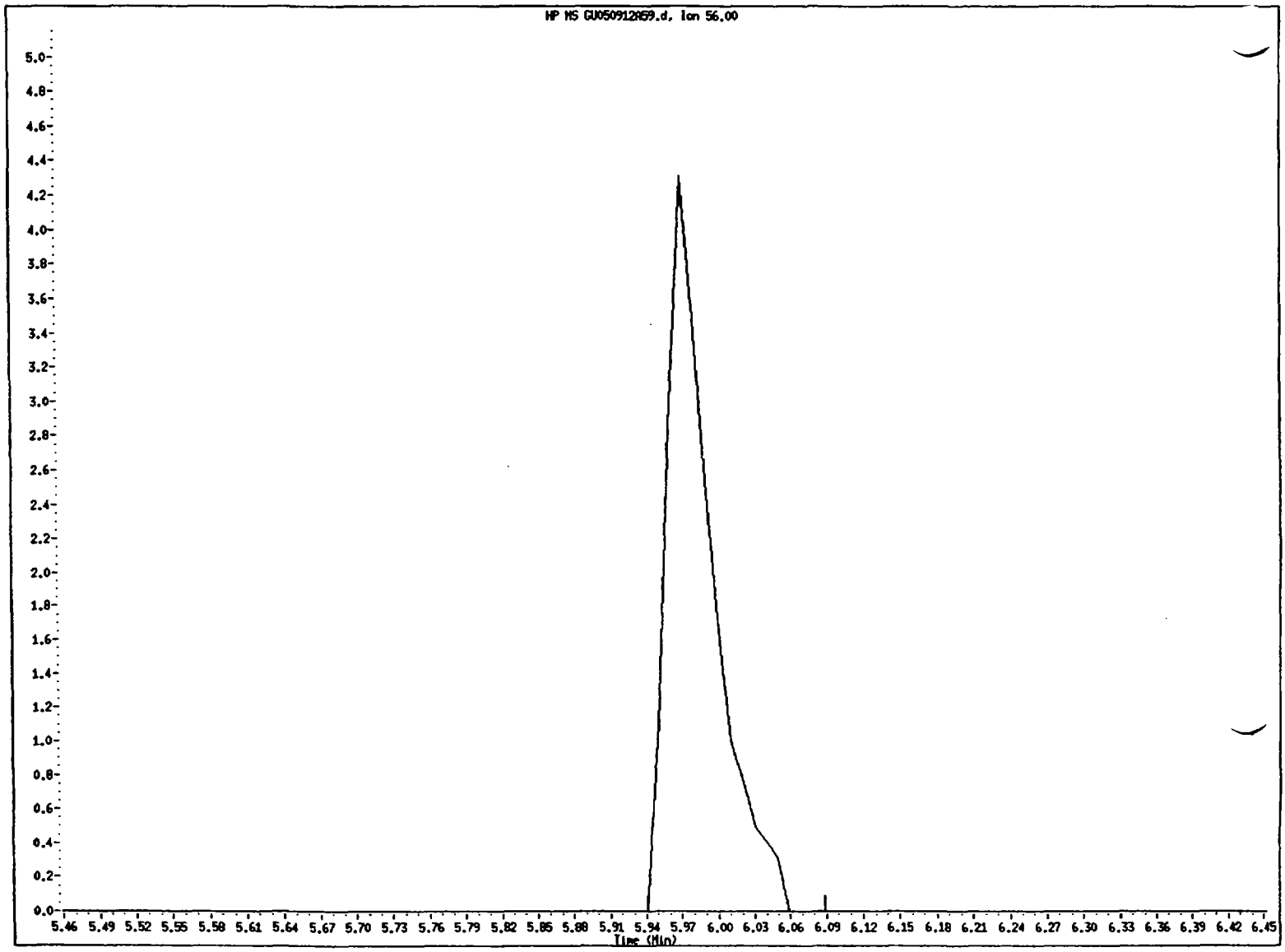
Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	31398	50.0000	52
63 Tetrachloroethene	164	11.371	11.376	(0.930)	17050	50.0000	54
64 2-hexanone	43	11.352	11.336	(0.928)	26978	125.000	120
65 Dibromochloromethane	129	11.637	11.641	(0.952)	21143	50.0000	51
66 1,2-Dibromoethane	107	11.794	11.799	(0.965)	18409	50.0000	49
67 Chlorobenzene	112	12.257	12.251	(1.002)	54107	50.0000	52
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.306	12.301	(1.006)	19427	50.0000	51
70 Ethylbenzene	106	12.306	12.301	(1.006)	26935	50.0000	52
71 m,p-Xylene	106	12.404	12.409	(1.014)	68002	100.000	110
72 m,p-Xylene (part of total)	106	12.404	12.409	(1.014)	68002	100.000	110
73 o-Xylene	106	12.808	12.802	(1.047)	31865	50.0000	52
74 o-Xylene (part of total)	106	12.808	12.802	(1.047)	31865	50.0000	52
75 Styrene	104	12.818	12.812	(1.048)	53092	50.0000	52
76 Bromoform	173	13.064	13.058	(1.068)	13333	50.0000	52
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	83348	50.0000	53
79 1,1,2,2-Tetrachloroethane	83	13.388	13.383	(0.933)	27396	50.0000	51
80 1,2,3-Trichloropropane	110	13.457	13.452	(1.101)	5604	50.0000	50
81 Bromobenzene	156	13.496	13.491	(1.104)	21996	50.0000	52
83 n-Propyl Benzene	91	13.487	13.491	(0.940)	122541	50.0000	54
84 2-Chlorotoluene	126	13.624	13.629	(0.950)	20118	50.0000	52
85 4-Chlorotoluene	126	13.713	13.707	(0.956)	21022	50.0000	52
6 1,3,5-Trimethyl Benzene	105	13.624	13.619	(0.950)	69887	50.0000	53
,7 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.929	13.924	(0.971)	63774	50.0000	54
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.974)	73249	50.0000	53
90 sec-Butyl Benzene	105	14.116	14.111	(0.984)	96884	50.0000	55
91 1,3-Dichlorobenzene	146	14.293	14.288	(0.997)	41835	50.0000	51
92 p-Isopropyl Toluene	119	14.224	14.219	(0.992)	73442	50.0000	54
93 1,4-Dichlorobenzene	146	14.362	14.357	(1.001)	44790	50.0000	52
94 1,2-Dichlorobenzene	146	14.716	14.711	(1.026)	38933	50.0000	52
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.588	14.593	(1.017)	85067	50.0000	55
96 1,2-Dibromo-3-Chloropropane	157	15.444	15.439	(1.077)	3288	50.0000	48
97 1,2,4-Trichlorobenzene	180	16.271	16.275	(1.134)	26500	50.0000	52
98 Hexachlorobutadiene	225	16.389	16.393	(1.143)	13103	50.0000	55
99 Naphthalene	128	16.576	16.570	(1.156)	54751	50.0000	51
100 1,2,3-Trichlorobenzene	180	16.841	16.846	(1.174)	23613	50.0000	52
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				51091	100.000	100
M 102 Xylene (total)	106				99867	150.000	160

QC Flag Legend

M - Compound response manually integrated.

Acrolein CAS Number 107-02-8 Area = 11260 Manually integrated

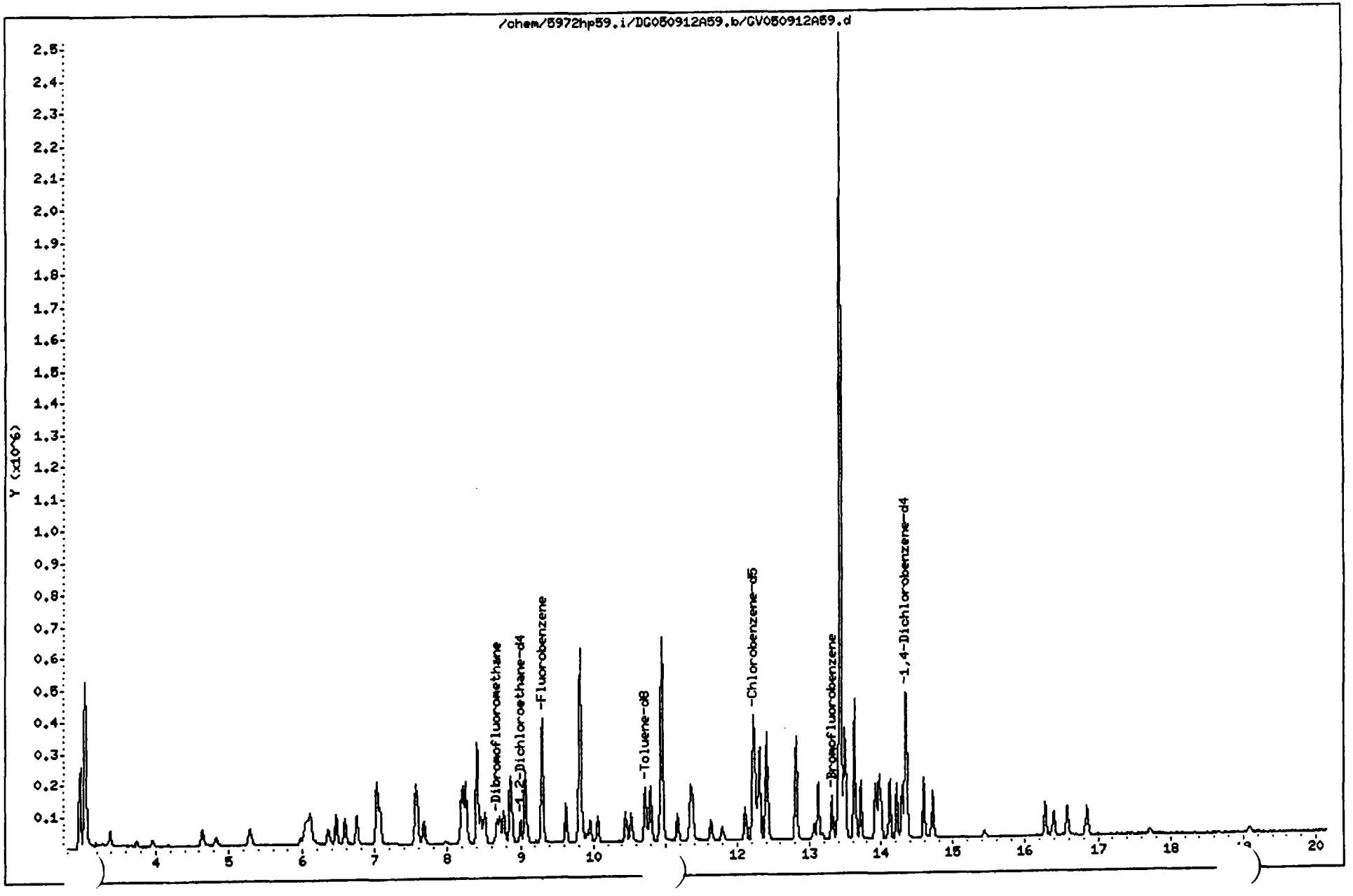


File name: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 16:16
Retention Time: 5.97
Operator ID: 2473

Data File: /chem/5972hp59.i/DC050912A59.b/CV050912A59.d
Date : 12-SEP-2005 16:44
Client ID: VSTD020
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 12-SEP-2005 16:44
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 16:44 Cal File: GV050912A59.d
Als bottle: 8 Calibration Sample, Level: 3
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	9.297	9.300	(1.000)	423619	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.222	(1.000)	270331	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.337	(1.000)	136076	250.000	
$ 4 Dibromofluoromethane	113	8.667	8.670	(0.932)	52586	100.000	98
$ 5 1,2-Dichloroethane-d4	65	9.001	8.995	(0.968)	53072	100.000	99
$ 6 Toluene-d8	98	10.723	10.727	(0.877)	148538	100.000	98
$ 7 Bromofluorobenzene	95	13.310	13.304	(0.929)	60076	100.000	100
8 Dichlorodifluoromethane	85	3.384	3.378	(0.364)	57925	100.000	99
9 Chloromethane	50	3.738	3.742	(0.402)	28739	100.000	99
10 Vinyl Chloride	62	3.955	3.958	(0.425)	24855	100.000	97
11 Bromomethane	94	4.643	4.637	(0.499)	46328	100.000	99
12 Chloroethane	64	4.840	4.824	(0.521)	35054	100.000	99
13 Trichlorofluoromethane	101	5.293	5.286	(0.569)	67955	100.000	97
14 Acrolein	56	5.971	5.955	(0.642)	24469	1000.00	990
15 1,1-Dichloroethene	96	6.109	6.113	(0.657)	41974	100.000	99
16 1,1,1-trichloro-2,2,2-trifluo	117	6.030	6.044	(0.649)	21099	100.000	100

MZ
9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

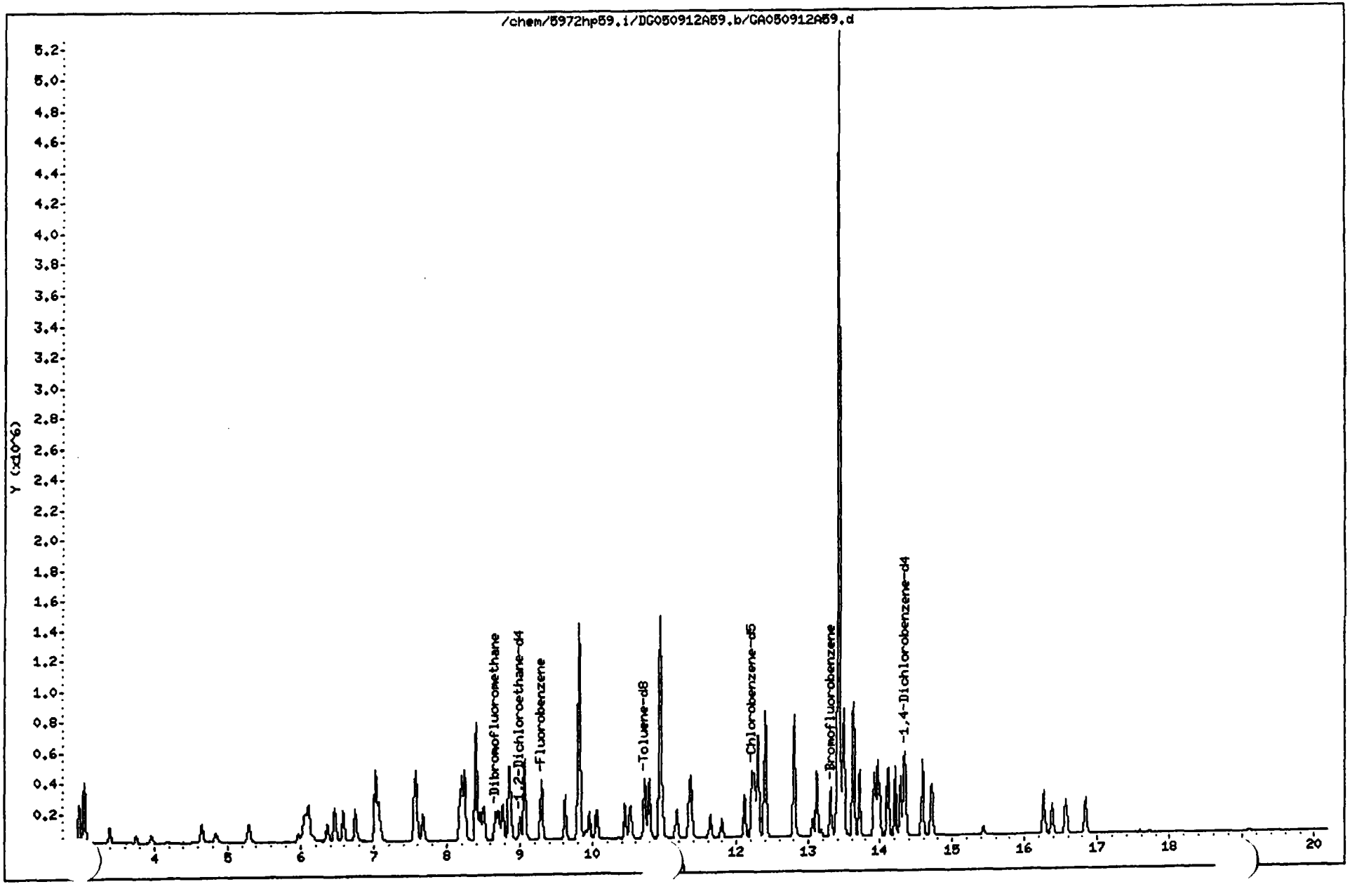
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.168	6.162	(0.663)	24781	250.000	260
18 Iodomethane	142	6.355	6.359	(0.684)	67102	100.000	100
19 1,1,2-trichloro-1,2,2-trifluo	101	6.070	6.073	(0.653)	53315	100.000	100
20 Carbon disulfide	76	6.463	6.467	(0.695)	165388	100.000	100
21 3-Chloropropene	76	6.591	6.585	(0.709)	24574	100.000	100
22 Acetonitrile	41	6.581	6.585	(0.708)	60086	100.000	97
23 Methyl acetate	43	6.581	6.575	(0.708)	25222	100.000	110
24 Methylene Chloride	84	6.749	6.742	(0.726)	53247	100.000	100
25 Acrylonitrile	53	7.024	7.018	(0.756)	135494	1000.00	1000
26 trans-1,2-Dichloroethene	96	7.073	7.067	(0.761)	49797	100.000	100
27 trans-1,2-DCE (part of total)	96	7.073	7.067	(0.761)	49797	100.000	100
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.024	7.018	(0.756)	107539	100.000	100
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.575	7.569	(0.815)	88905	100.000	100
30 Chloroprene	53	7.673	7.677	(0.825)	59014	100.000	100
31 Vinyl acetate	43	7.575	7.569	(0.815)	134205	100.000	100
32 Isopropyl ether	45	7.565	7.569	(0.814)	143551	100.000	100
33 cis-1,2-Dichloroethene	96	8.205	8.198	(0.883)	52071	100.000	100
34 cis-1,2-DCE (part of total)	96	8.205	8.198	(0.883)	52071	100.000	100
35 2,2-Dichloropropane	77	8.205	8.198	(0.883)	68490	100.000	95
36 Propionitrile	54	8.244	8.247	(0.887)	231490	5000.00	5200
37 2-butanone	43	8.175	8.169	(0.879)	38965	250.000	260
38 Methacrylonitrile	41	8.401	8.395	(0.904)	195342	1000.00	1000
39 Bromochloromethane	128	8.460	8.464	(0.910)	22861	100.000	100
40 Chloroform	83	8.509	8.503	(0.915)	92417	100.000	100
41 1,1,1-Trichloroethane	97	8.706	8.710	(0.936)	70718	100.000	100
42 Cyclohexane	56	8.775	8.769	(0.944)	63249	100.000	100
43 1,1-dichloropropene	75	8.864	8.857	(0.953)	63389	100.000	100
44 Carbon Tetrachloride	117	8.874	8.877	(0.954)	59120	100.000	100
45 1,2-Dichloroethane	62	9.070	9.064	(0.976)	60251	100.000	100
46 Isobutyl alcohol	43	8.854	8.848	(0.952)	66366	5000.00	5600
47 Benzene	78	9.070	9.064	(0.976)	178859	100.000	100
48 Trichloroethene	130	9.621	9.625	(1.035)	44920	100.000	99
49 Methylcyclohexane	83	9.798	9.802	(1.054)	56608	100.000	98
50 1,2-Dichloropropane	63	9.828	9.831	(1.057)	46169	100.000	100
51 Dibromomethane	174	9.956	9.959	(1.071)	28115	100.000	100
52 1,4-dioxane	88	9.916	9.910	(1.067)	17871	5000.00	5300
53 Methylmethacrylate	69	9.818	9.821	(1.056)	254551	1000.00	1000
54 Bromodichloromethane	83	10.064	10.058	(1.083)	64629	100.000	100
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.448	10.451	(1.124)	73527	100.000	100
57 4-Methyl-2-pentanone	43	10.526	10.520	(0.861)	88148	250.000	270
58 Toluene	92	10.792	10.795	(0.883)	105962	100.000	100
59 trans-1,3-Dichloropropene	75	10.959	10.963	(0.896)	64261	100.000	100
60 1,1,2-Trichloroethane	97	11.176	11.169	(0.914)	35252	100.000	100
61 Ethylmethacrylate	69	10.949	10.943	(0.895)	470673	1000.00	1000

Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	64873	100.000	110
63 Tetrachloroethene	164	11.372	11.376	(0.930)	30945	100.000	99
64 2-hexanone	43	11.343	11.336	(0.928)	58764	250.000	270
65 Dibromochloromethane	129	11.638	11.641	(0.952)	44127	100.000	110
66 1,2-Dibromoethane	107	11.795	11.799	(0.965)	38421	100.000	100
67 Chlorobenzene	112	12.258	12.251	(1.002)	106116	100.000	100
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.307	12.301	(1.006)	39376	100.000	100
70 Ethylbenzene	106	12.307	12.301	(1.006)	52018	100.000	100
71 m,p-Xylene	106	12.405	12.409	(1.014)	126171	200.000	200
72 m,p-Xylene (part of total)	106	12.405	12.409	(1.014)	126171	200.000	200
73 o-Xylene	106	12.809	12.802	(1.047)	61678	100.000	100
74 o-Xylene (part of total)	106	12.809	12.802	(1.047)	61678	100.000	100
75 Styrene	104	12.818	12.812	(1.048)	107529	100.000	100
76 Bromoform	173	13.064	13.058	(1.068)	27309	100.000	110
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	150275	100.000	98
79 1,1,2,2-Tetrachloroethane	83	13.389	13.383	(0.934)	56608	100.000	110
80 1,2,3-Trichloropropane	110	13.458	13.452	(1.101)	12168	100.000	110
81 Bromobenzene	156	13.487	13.491	(1.103)	44557	100.000	100
83 n-Propyl Benzene	91	13.487	13.491	(0.941)	207183	100.000	96
84 2-Chlorotoluene	126	13.625	13.629	(0.951)	38695	100.000	100
85 4-Chlorotoluene	126	13.714	13.707	(0.957)	40180	100.000	100
86 1,3,5-Trimethyl Benzene	105	13.625	13.619	(0.951)	130043	100.000	100
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.930	13.924	(0.972)	102494	100.000	92
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.975)	130518	100.000	100
90 sec-Butyl Benzene	105	14.117	14.111	(0.985)	159976	100.000	95
91 1,3-Dichlorobenzene	146	14.284	14.288	(0.997)	77728	100.000	100
92 p-Isopropyl Toluene	119	14.215	14.219	(0.992)	118786	100.000	93
93 1,4-Dichlorobenzene	146	14.363	14.357	(1.002)	80950	100.000	99
94 1,2-Dichlorobenzene	146	14.717	14.711	(1.027)	72544	100.000	100
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.589	14.593	(1.018)	132991	100.000	91
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.439	(1.077)	7684	100.000	110
97 1,2,4-Trichlorobenzene	180	16.272	16.275	(1.135)	44204	100.000	94
98 Hexachlorobutadiene	225	16.390	16.393	(1.143)	21234	100.000	94
99 Naphthalene	128	16.576	16.570	(1.156)	106172	100.000	100
100 1,2,3-Trichlorobenzene	180	16.842	16.846	(1.175)	41369	100.000	97
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				101868	200.000	200
M 102 Xylene (total)	106				187849	300.000	300

Data File: /chem/5972hp59.i/DC050912A59.b/CA050912A59.d
Date : 12-SEP-2005 19:28
Client ID: VSTD050
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 12-SEP-2005 19:28
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 19:28 Cal File: GA050912A59.d
Als bottle: 12 Calibration Sample, Level: 4
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	9.297	9.300	(1.000)	413929	250.000	
* 2 Chlorobenzene-d5	117	12.229	12.222	(1.000)	266960	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.334	14.337	(1.000)	134217	250.000	
$ 4 Dibromofluoromethane	113	8.668	8.670	(0.932)	122779	250.000	250
$ 5 1,2-Dichloroethane-d4	65	9.002	8.995	(0.968)	119317	250.000	250
$ 6 Toluene-d8	98	10.724	10.727	(0.877)	347164	250.000	250
$ 7 Bromofluorobenzene	95	13.311	13.304	(0.929)	144177	250.000	250
8 Dichlorodifluoromethane	85	3.385	3.378	(0.364)	131252	250.000	250
9 Chloromethane	50	3.739	3.742	(0.402)	67659	250.000	250
10 Vinyl Chloride	62	3.955	3.958	(0.425)	61419	250.000	250
11 Bromomethane	94	4.644	4.637	(0.499)	120776	250.000	250
12 Chloroethane	64	4.831	4.824	(0.520)	85674	250.000	250
13 Trichlorofluoromethane	101	5.293	5.286	(0.569)	161068	250.000	250
14 Acrolein	56	5.962	5.955	(0.641)	65777	2500.00	2500
15 1,1-Dichloroethene	96	6.110	6.113	(0.657)	101188	250.000	250
16 1,1,1-trichloro-2,2,2-trifluo	117	6.041	6.044	(0.650)	48444	250.000	250

ML
9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

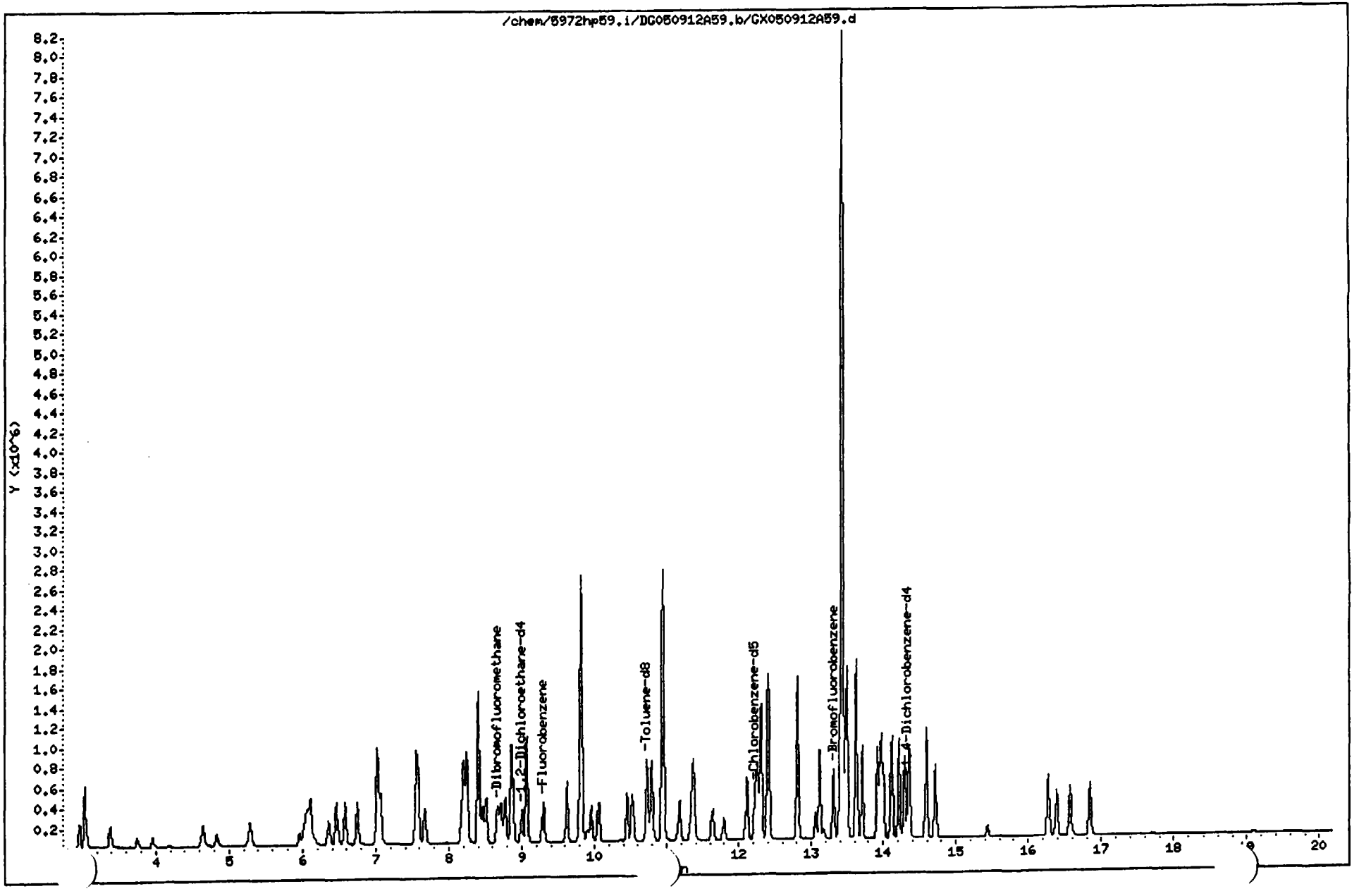
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.169	6.162	(0.664)	55742	625.000	630
18 Iodomethane	142	6.356	6.359	(0.684)	170109	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.070	6.073	(0.653)	121717	250.000	250
20 Carbon disulfide	76	6.464	6.467	(0.695)	386764	250.000	250
21 3-Chloropropene	76	6.582	6.585	(0.708)	60456	250.000	250
22 Acetonitrile	41	6.582	6.585	(0.708)	149209	250.000	250
23 Methyl acetate	43	6.582	6.575	(0.708)	60029	250.000	250
24 Methylene Chloride	84	6.749	6.742	(0.726)	122460	250.000	250
25 Acrylonitrile	53	7.025	7.018	(0.756)	309818	2500.00	2500
26 trans-1,2-Dichloroethene	96	7.074	7.067	(0.761)	113877	250.000	250
27 trans-1,2-DCE (part of total)	96	7.074	7.067	(0.761)	113877	250.000	250
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.025	7.018	(0.756)	245768	250.000	250
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.576	7.569	(0.815)	204672	250.000	250
30 Chloroprene	53	7.674	7.677	(0.825)	146115	250.000	250
31 Vinyl acetate	43	7.566	7.569	(0.814)	320353	250.000	250
32 Isopropyl ether	45	7.566	7.569	(0.814)	341825	250.000	250
33 cis-1,2-Dichloroethene	96	8.205	8.198	(0.883)	120080	250.000	250
34 cis-1,2-DCE (part of total)	96	8.205	8.198	(0.883)	120080	250.000	250
35 2,2-Dichloropropane	77	8.205	8.198	(0.883)	173549	250.000	250
36 Propionitrile	54	8.245	8.247	(0.887)	533954	12500.0	13000
37 2-butanone	43	8.166	8.169	(0.878)	94770	625.000	630
8 Methacrylonitrile	41	8.402	8.395	(0.904)	451971	2500.00	2500
9 Bromochloromethane	128	8.461	8.464	(0.910)	52434	250.000	250
40 Chloroform	83	8.510	8.503	(0.915)	209264	250.000	250
41 1,1,1-Trichloroethane	97	8.707	8.710	(0.936)	164167	250.000	250
42 Cyclohexane	56	8.776	8.769	(0.944)	144497	250.000	250
43 1,1-dichloropropene	75	8.864	8.857	(0.953)	145126	250.000	250
44 Carbon Tetrachloride	117	8.874	8.877	(0.954)	133825	250.000	250
45 1,2-Dichloroethane	62	9.071	9.064	(0.976)	139859	250.000	250
46 Isobutyl alcohol	43	8.845	8.848	(0.951)	149979	12500.0	13000
47 Benzene	78	9.071	9.064	(0.976)	408092	250.000	250
48 Trichloroethene	130	9.622	9.625	(1.035)	105596	250.000	250
49 Methylcyclohexane	83	9.799	9.802	(1.054)	131950	250.000	250
50 1,2-Dichloropropane	63	9.828	9.831	(1.057)	101809	250.000	250
51 Dibromomethane	174	9.956	9.959	(1.071)	65026	250.000	250
52 1,4-dioxane	88	9.907	9.910	(1.066)	43099	12500.0	13000
53 Methylmethacrylate	69	9.819	9.821	(1.056)	578624	2500.00	2500
54 Bromodichloromethane	83	10.055	10.058	(1.081)	147948	250.000	250
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.448	10.451	(1.124)	179395	250.000	250
57 4-Methyl-2-pentanone	43	10.527	10.520	(0.861)	205609	625.000	630
58 Toluene	92	10.793	10.795	(0.883)	237582	250.000	250
59 trans-1,3-Dichloropropene	75	10.960	10.963	(0.896)	147922	250.000	250
60 1,1,2-Trichloroethane	97	11.176	11.169	(0.914)	82195	250.000	250
61 Ethylmethacrylate	69	10.940	10.943	(0.895)	1077377	2500.00	2500

Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.363	11.356	(0.929)	146384	250.000	250
63 Tetrachloroethene	164	11.373	11.376	(0.930)	71077	250.000	250
64 2-hexanone	43	11.334	11.336	(0.927)	140620	625.000	630
65 Dibromochloromethane	129	11.639	11.641	(0.952)	104153	250.000	250
66 1,2-Dibromoethane	107	11.796	11.799	(0.965)	95261	250.000	250
67 Chlorobenzene	112	12.258	12.251	(1.002)	245347	250.000	250
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.308	12.301	(1.006)	90581	250.000	250
70 Ethylbenzene	106	12.308	12.301	(1.006)	118371	250.000	250
71 m,p-Xylene	106	12.406	12.409	(1.014)	293772	500.000	500
72 m,p-Xylene (part of total)	106	12.406	12.409	(1.014)	293772	500.000	500
73 o-Xylene	106	12.809	12.802	(1.047)	143410	250.000	250
74 o-Xylene (part of total)	106	12.809	12.802	(1.047)	143410	250.000	250
75 Styrene	104	12.809	12.812	(1.047)	249401	250.000	250
76 Bromoform	173	13.055	13.058	(1.068)	64650	250.000	250
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.114	13.117	(1.072)	358700	250.000	250
79 1,1,2,2-Tetrachloroethane	83	13.380	13.383	(0.933)	127778	250.000	250
80 1,2,3-Trichloropropane	110	13.459	13.452	(1.101)	27279	250.000	250
81 Bromobenzene	156	13.488	13.491	(1.103)	99508	250.000	250
83 n-Propyl Benzene	91	13.488	13.491	(0.941)	505050	250.000	250
84 2-Chlorotoluene	126	13.626	13.629	(0.951)	91193	250.000	250
85 4-Chlorotoluene	126	13.714	13.707	(0.957)	94537	250.000	250
86 1,3,5-Trimethyl Benzene	105	13.626	13.619	(0.951)	303478	250.000	250
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.931	13.924	(0.972)	268059	250.000	250
89 1,2,4-Trimethyl Benzene	105	13.970	13.963	(0.975)	312208	250.000	250
90 sec-Butyl Benzene	105	14.118	14.111	(0.985)	394748	250.000	250
91 1,3-Dichlorobenzene	146	14.285	14.288	(0.997)	184696	250.000	250
92 p-Isopropyl Toluene	119	14.216	14.219	(0.992)	303420	250.000	250
93 1,4-Dichlorobenzene	146	14.364	14.357	(1.002)	191650	250.000	250
94 1,2-Dichlorobenzene	146	14.718	14.711	(1.027)	170846	250.000	250
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.590	14.593	(1.018)	352193	250.000	250
96 1,2-Dibromo-3-Chloropropane	157	15.436	15.439	(1.077)	17126	250.000	250
97 1,2,4-Trichlorobenzene	180	16.272	16.275	(1.135)	116912	250.000	250
98 Hexachlorobutadiene	225	16.390	16.393	(1.143)	54189	250.000	250
99 Naphthalene	128	16.577	16.570	(1.156)	251249	250.000	250
100 1,2,3-Trichlorobenzene	180	16.843	16.846	(1.175)	105031	250.000	250
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				233957	500.000	500
M 102 Xylene (total)	106				437182	750.000	750

Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Date : 12-SEP-2005 17:39
Client ID: VSTD100
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 12-SEP-2005 17:39
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 17:39 Cal File: GX050912A59.d
Als bottle: 10 Calibration Sample, Level: 5
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	9.296	9.300	(1.000)	417613	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.222	(1.000)	272686	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.337	(1.000)	138593	250.000	
$ 4 Dibromofluoromethane	113	8.667	8.670	(0.932)	252441	500.000	480
$ 5 1,2-Dichloroethane-d4	65	9.001	8.995	(0.968)	251759	500.000	480
$ 6 Toluene-d8	98	10.723	10.727	(0.877)	722887	500.000	480
$ 7 Bromofluorobenzene	95	13.310	13.304	(0.929)	298690	500.000	490
8 Dichlorodifluoromethane	85	3.384	3.378	(0.364)	272725	500.000	480
9 Chloromethane	50	3.738	3.742	(0.402)	137274	500.000	500
10 Vinyl Chloride	62	3.954	3.958	(0.425)	125083	500.000	500
11 Bromomethane	94	4.643	4.637	(0.499)	218228	500.000	500
12 Chloroethane	64	4.830	4.824	(0.520)	173649	500.000	500(A)
13 Trichlorofluoromethane	101	5.292	5.286	(0.569)	332294	500.000	480
14 Acrolein	56	5.961	5.955	(0.641)	142131	5000.00	5700
15 1,1-Dichloroethene	96	6.109	6.113	(0.657)	202309	500.000	490
16 1,1,1-trichloro-2,2,2-trifluo	117	6.040	6.044	(0.650)	95898	500.000	480

ML 9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.158	6.162	(0.662)	122033	1250.00	1300
18 Iodomethane	142	6.355	6.359	(0.684)	365190	500.000	560(A)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.069	6.073	(0.653)	242137	500.000	480
20 Carbon disulfide	76	6.463	6.467	(0.695)	786248	500.000	500
21 3-Chloropropene	76	6.581	6.585	(0.708)	124450	500.000	510
22 Acetonitrile	41	6.581	6.585	(0.708)	301427	500.000	490
23 Methyl acetate	43	6.571	6.575	(0.707)	122470	500.000	530
24 Methylene Chloride	84	6.748	6.742	(0.726)	251036	500.000	490
25 Acrylonitrile	53	7.024	7.018	(0.756)	638655	5000.00	5000
26 trans-1,2-Dichloroethene	96	7.073	7.067	(0.761)	230701	500.000	480
27 trans-1,2-DCE (part of total)	96	7.073	7.067	(0.761)	230701	500.000	480
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.024	7.018	(0.756)	515474	500.000	510
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.575	7.569	(0.815)	403911	500.000	480
30 Chloroprene	53	7.673	7.677	(0.825)	302290	500.000	520
31 Vinyl acetate	43	7.565	7.569	(0.814)	654312	500.000	510
32 Isopropyl ether	45	7.565	7.569	(0.814)	680758	500.000	490
33 cis-1,2-Dichloroethene	96	8.204	8.198	(0.883)	240174	500.000	480
34 cis-1,2-DCE (part of total)	96	8.204	8.198	(0.883)	240174	500.000	480
35 2,2-Dichloropropane	77	8.194	8.198	(0.881)	335865	500.000	480
36 Propionitrile	54	8.244	8.247	(0.887)	1073350	25000.0	25000
37 2-butanone	43	8.165	8.169	(0.878)	204546	1250.00	1300
8 Methacrylonitrile	41	8.401	8.395	(0.904)	907610	5000.00	4900
39 Bromochloromethane	128	8.460	8.464	(0.910)	107299	500.000	490
40 Chloroform	83	8.509	8.503	(0.915)	430253	500.000	490
41 1,1,1-Trichloroethane	97	8.716	8.710	(0.938)	336874	500.000	490
42 Cyclohexane	56	8.775	8.769	(0.944)	288929	500.000	480
43 1,1-dichloropropene	75	8.863	8.857	(0.953)	289645	500.000	470
44 Carbon Tetrachloride	117	8.873	8.877	(0.954)	273490	500.000	480
45 1,2-Dichloroethane	62	9.070	9.064	(0.976)	285559	500.000	500
46 Isobutyl alcohol	43	8.854	8.848	(0.952)	320788	25000.0	27000
47 Benzene	78	9.070	9.064	(0.976)	806450	500.000	470
48 Trichloroethene	130	9.621	9.625	(1.035)	216902	500.000	490
49 Methylcyclohexane	83	9.798	9.802	(1.054)	262347	500.000	470
50 1,2-Dichloropropane	63	9.827	9.831	(1.057)	189067	500.000	440
51 Dibromomethane	174	9.955	9.959	(1.071)	133042	500.000	490
52 1,4-dioxane	88	9.906	9.910	(1.066)	89822	25000.0	27000
53 Methylmethacrylate	69	9.818	9.821	(1.056)	1130957	5000.00	4700
54 Bromodichloromethane	83	10.064	10.058	(1.083)	311196	500.000	510
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.447	10.451	(1.124)	369760	500.000	510
57 4-Methyl-2-pentanone	43	10.526	10.520	(0.861)	446138	1250.00	1300
58 Toluene	92	10.792	10.795	(0.883)	483824	500.000	470
59 trans-1,3-Dichloropropene	75	10.959	10.963	(0.896)	293910	500.000	470
60 1,1,2-Trichloroethane	97	11.175	11.169	(0.914)	172017	500.000	500
61 Ethylmethacrylate	69	10.939	10.943	(0.895)	2062650	5000.00	4600

Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

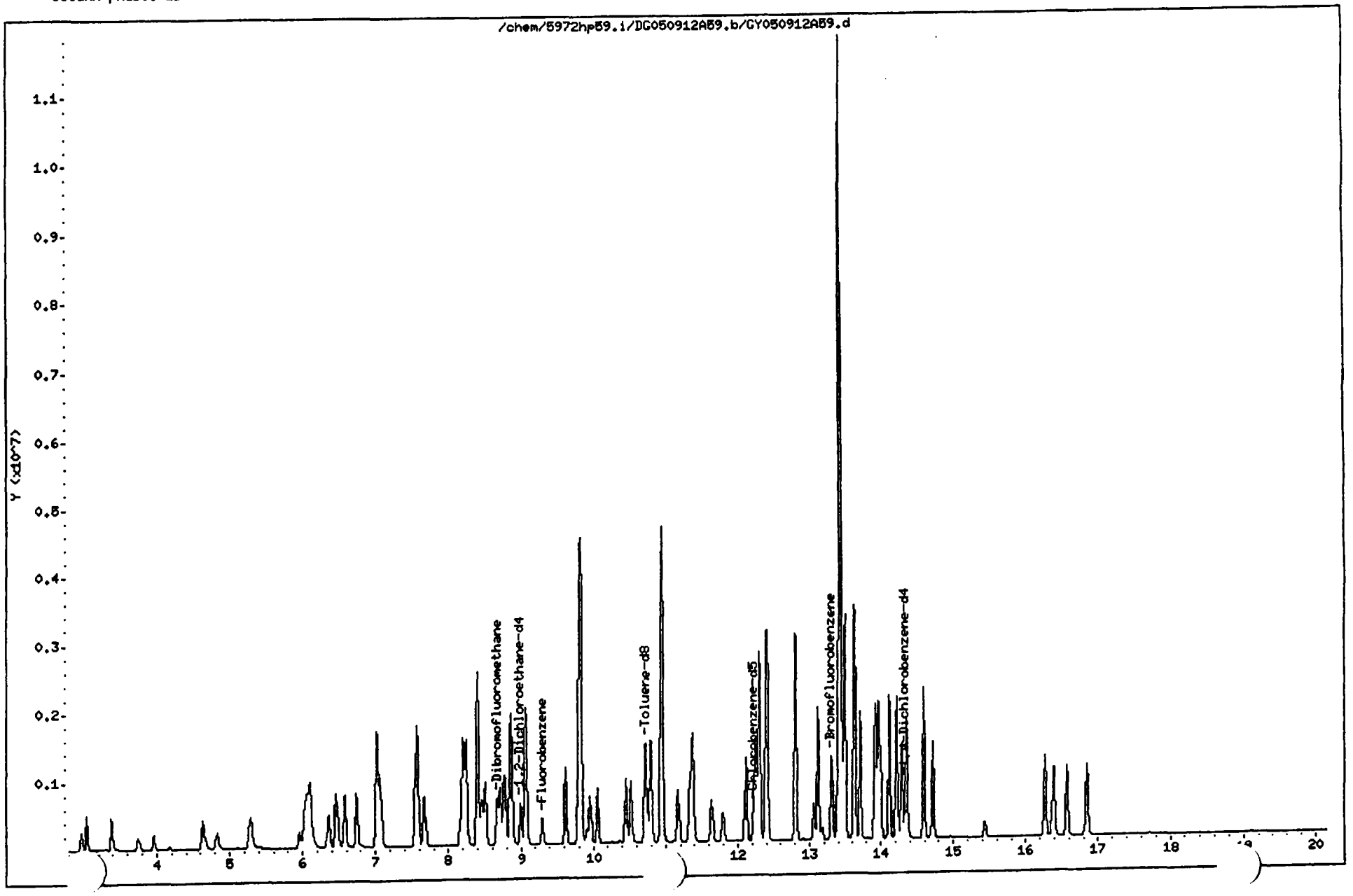
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	302577	500.000	490
63 Tetrachloroethene	164	11.372	11.376	(0.930)	150136	500.000	480
64 2-hexanone	43	11.333	11.336	(0.927)	315958	1250.00	1400
65 Dibromochloromethane	129	11.638	11.641	(0.952)	223502	500.000	520
66 1,2-Dibromoethane	107	11.795	11.799	(0.965)	191338	500.000	510
67 Chlorobenzene	112	12.257	12.251	(1.002)	498869	500.000	480
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.307	12.301	(1.006)	186591	500.000	490
70 Ethylbenzene	106	12.307	12.301	(1.006)	244478	500.000	480
71 m,p-Xylene	106	12.405	12.409	(1.014)	605882	1000.00	960
72 m,p-Xylene (part of total)	106	12.405	12.409	(1.014)	605882	1000.00	960
73 o-Xylene	106	12.808	12.802	(1.047)	293564	500.000	480
74 o-Xylene (part of total)	106	12.808	12.802	(1.047)	293564	500.000	480
75 Styrene	104	12.808	12.812	(1.047)	512360	500.000	500
76 Bromoform	173	13.054	13.058	(1.068)	142967	500.000	540
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	763992	500.000	490
79 1,1,2,2-Tetrachloroethane	83	13.389	13.383	(0.934)	260464	500.000	490
80 1,2,3-Trichloropropane	110	13.458	13.452	(1.101)	56114	500.000	490
81 Bromobenzene	156	13.487	13.491	(1.103)	206792	500.000	480
83 n-Propyl Benzene	91	13.487	13.491	(0.941)	1049543	500.000	480
84 2-Chlorotoluene	126	13.625	13.629	(0.951)	186064	500.000	490
85 4-Chlorotoluene	126	13.713	13.707	(0.957)	197940	500.000	500
86 1,3,5-Trimethyl Benzene	105	13.625	13.619	(0.951)	638559	500.000	490
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.930	13.924	(0.972)	582566	500.000	510
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.975)	669381	500.000	500
90 sec-Butyl Benzene	105	14.117	14.111	(0.985)	866116	500.000	510
91 1,3-Dichlorobenzene	146	14.284	14.288	(0.997)	389039	500.000	490
92 p-Isopropyl Toluene	119	14.215	14.219	(0.992)	670869	500.000	510
93 1,4-Dichlorobenzene	146	14.363	14.357	(1.002)	402054	500.000	490
94 1,2-Dichlorobenzene	146	14.717	14.711	(1.027)	361033	500.000	490
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.589	14.593	(1.018)	771397	500.000	520
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.439	(1.077)	40092	500.000	560
97 1,2,4-Trichlorobenzene	180	16.271	16.275	(1.135)	258688	500.000	510
98 Hexachlorobutadiene	225	16.389	16.393	(1.143)	123128	500.000	530
99 Naphthalene	128	16.576	16.570	(1.156)	572066	500.000	510
100 1,2,3-Trichlorobenzene	180	16.842	16.846	(1.175)	236531	500.000	510
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				470875	1000.00	960
M 102 Xylene (total)	106				899446	1500.00	1400

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp59.i/DC050912A59.b/CY050912A59.d
Date : 12-SEP-2005 18:06
Client ID: VSTD200
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 12-SEP-2005 18:06
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 11 Calibration Sample, Level: 6
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	9.300	9.300	(1.000)	413477	250.000	
* 2 Chlorobenzene-d5	117	12.222	12.222	(1.000)	264754	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	128849	250.000	
$ 4 Dibromofluoromethane	113	8.670	8.670	(0.932)	480857	1000.00	940
$ 5 1,2-Dichloroethane-d4	65	8.995	8.995	(0.967)	476267	1000.00	930
$ 6 Toluene-d8	98	10.727	10.727	(0.878)	1354288	1000.00	940
$ 7 Bromofluorobenzene	95	13.304	13.304	(0.928)	551875	1000.00	980
8 Dichlorodifluoromethane	85	3.378	3.378	(0.363)	613950	1000.00	1100(A)
9 Chloromethane	50	3.742	3.742	(0.402)	278502	1000.00	1000(A)
10 Vinyl Chloride	62	3.958	3.958	(0.426)	259680	1000.00	1000(A)
11 Bromomethane	94	4.637	4.637	(0.499)	449226	1000.00	1000(A)
12 Chloroethane	64	4.824	4.824	(0.519)	341862	1000.00	1000(A)
13 Trichlorofluoromethane	101	5.286	5.286	(0.568)	730289	1000.00	1100(A)
14 Acrolein	56	5.955	5.955	(0.640)	296768	10000.0	12000(A)
15 1,1-Dichloroethene	96	6.113	6.113	(0.657)	415172	1000.00	1000(A)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.044	6.044	(0.650)	220147	1000.00	1100(A)

Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.162	6.162	(0.663)	233136	2500.00	2500
18 Iodomethane	142	6.359	6.359	(0.684)	756770	1000.00	1200(A)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.073	6.073	(0.653)	550375	1000.00	1100(A)
20 Carbon disulfide	76	6.467	6.467	(0.695)	1571734	1000.00	1000(A)
21 3-Chloropropene	76	6.585	6.585	(0.708)	244966	1000.00	1000(A)
22 Acetonitrile	41	6.585	6.585	(0.708)	583425	1000.00	970
23 Methyl acetate	43	6.575	6.575	(0.707)	232943	1000.00	1000(A)
24 Methylene Chloride	84	6.742	6.742	(0.725)	485023	1000.00	960
25 Acrylonitrile	53	7.018	7.018	(0.755)	1128957	10000.0	9000
26 trans-1,2-Dichloroethene	96	7.067	7.067	(0.760)	451890	1000.00	960
27 trans-1,2-DCE (part of total)	96	7.067	7.067	(0.760)	451890	1000.00	960
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.018	7.018	(0.755)	973027	1000.00	970
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.569	7.569	(0.814)	765164	1000.00	920
30 Chloroprene	53	7.677	7.677	(0.825)	617384	1000.00	1100(A)
31 Vinyl acetate	43	7.569	7.569	(0.814)	1217971	1000.00	960
32 Isopropyl ether	45	7.569	7.569	(0.814)	1287499	1000.00	950
33 cis-1,2-Dichloroethene	96	8.198	8.198	(0.882)	461641	1000.00	940
34 cis-1,2-DCE (part of total)	96	8.198	8.198	(0.882)	461641	1000.00	940
35 2,2-Dichloropropane	77	8.198	8.198	(0.882)	662673	1000.00	960
36 Propionitrile	54	8.247	8.247	(0.887)	1903587	50000.0	45000
37 2-butanone	43	8.169	8.169	(0.878)	378165	2500.00	2500(A)
38 Methacrylonitrile	41	8.395	8.395	(0.903)	1585356	10000.0	8800
39 Bromochloromethane	128	8.464	8.464	(0.910)	206605	1000.00	960
40 Chloroform	83	8.503	8.503	(0.914)	846774	1000.00	980
41 1,1,1-Trichloroethane	97	8.710	8.710	(0.937)	691959	1000.00	1000(A)
42 Cyclohexane	56	8.769	8.769	(0.943)	671578	1000.00	1100(A)
43 1,1-dichloropropene	75	8.857	8.857	(0.952)	582674	1000.00	970
44 Carbon Tetrachloride	117	8.877	8.877	(0.954)	582570	1000.00	1000(A)
45 1,2-Dichloroethane	62	9.064	9.064	(0.975)	556168	1000.00	980
46 Isobutyl alcohol	43	8.848	8.848	(0.951)	571316	50000.0	49000
47 Benzene	78	9.064	9.064	(0.975)	1573545	1000.00	940
48 Trichloroethene	130	9.625	9.625	(1.035)	439682	1000.00	1000
49 Methylcyclohexane	83	9.802	9.802	(1.054)	582841	1000.00	1000(A)
50 1,2-Dichloropropane	63	9.831	9.831	(1.057)	322467	1000.00	790
51 Dibromomethane	174	9.959	9.959	(1.071)	261846	1000.00	990
52 1,4-dioxane	88	9.910	9.910	(1.066)	177925	50000.0	53000(A)
53 Methylmethacrylate	69	9.821	9.821	(1.056)	1916442	10000.0	8400
54 Bromodichloromethane	83	10.058	10.058	(1.081)	614617	1000.00	1000(A)
56 cis-1,3-Dichloropropene	75	10.451	10.451	(1.124)	725259	1000.00	1000(A)
57 4-Methyl-2-pentanone	43	10.520	10.520	(0.861)	834695	2500.00	2600(A)
58 Toluene	92	10.795	10.795	(0.883)	953485	1000.00	970
59 trans-1,3-Dichloropropene	75	10.963	10.963	(0.897)	539817	1000.00	910
60 1,1,2-Trichloroethane	97	11.169	11.169	(0.914)	332820	1000.00	1000(A)
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	3454235	10000.0	8200
62 1,3-Dichloropropane	76	11.356	11.356	(0.929)	572685	1000.00	960

Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	11.376	11.376	(0.931)	315833	1000.00	1000(A)
64 2-hexanone	43	11.336	11.336	(0.928)	575909	2500.00	2600(A)
65 Dibromochloromethane	129	11.641	11.641	(0.952)	444099	1000.00	1100(A)
66 1,2-Dibromoethane	107	11.799	11.799	(0.965)	375581	1000.00	1000(A)
67 Chlorobenzene	112	12.251	12.251	(1.002)	1007303	1000.00	1000
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.301	12.301	(1.006)	378428	1000.00	1000(A)
70 Ethylbenzene	106	12.301	12.301	(1.006)	491668	1000.00	990
71 m,p-Xylene	106	12.409	12.409	(1.015)	1183573	2000.00	1900
72 m,p-Xylene (part of total)	106	12.409	12.409	(1.015)	1183573	2000.00	1900
73 o-Xylene	106	12.802	12.802	(1.047)	574230	1000.00	980
74 o-Xylene (part of total)	106	12.802	12.802	(1.047)	574230	1000.00	980
75 Styrene	104	12.812	12.812	(1.048)	1002273	1000.00	1000
76 Bromoform	173	13.058	13.058	(1.068)	281079	1000.00	1100(A)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.117	13.117	(1.073)	1608361	1000.00	1100(A)
79 1,1,2,2-Tetrachloroethane	83	13.383	13.383	(0.933)	474265	1000.00	960
80 1,2,3-Trichloropropane	110	13.452	13.452	(1.101)	101002	1000.00	920
81 Bromobenzene	156	13.491	13.491	(1.104)	402365	1000.00	970
83 n-Propyl Benzene	91	13.491	13.491	(0.941)	2143786	1000.00	1000(A)
84 2-Chlorotoluene	126	13.629	13.629	(0.951)	366529	1000.00	1000(A)
85 4-Chlorotoluene	126	13.707	13.707	(0.956)	400176	1000.00	1100(A)
86 1,3,5-Trimethyl Benzene	105	13.619	13.619	(0.950)	1311234	1000.00	1100(A)
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.924	13.924	(0.971)	1199620	1000.00	1100(A)
89 1,2,4-Trimethyl Benzene	105	13.963	13.963	(0.974)	1365893	1000.00	1100(A)
90 sec-Butyl Benzene	105	14.111	14.111	(0.984)	1844048	1000.00	1100(A)
91 1,3-Dichlorobenzene	146	14.288	14.288	(0.997)	739677	1000.00	1000(A)
92 p-Isopropyl Toluene	119	14.219	14.219	(0.992)	1397605	1000.00	1100(A)
93 1,4-Dichlorobenzene	146	14.357	14.357	(1.001)	801820	1000.00	1000(A)
94 1,2-Dichlorobenzene	146	14.711	14.711	(1.026)	722283	1000.00	1100(A)
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.593	(1.018)	1608941	1000.00	1100(A)
96 1,2-Dibromo-3-Chloropropane	157	15.439	15.439	(1.077)	80964	1000.00	1200(A)
97 1,2,4-Trichlorobenzene	180	16.275	16.275	(1.135)	530356	1000.00	1000(A)
98 Hexachlorobutadiene	225	16.393	16.393	(1.143)	286082	1000.00	1300(A)
99 Naphthalene	128	16.570	16.570	(1.156)	1150233	1000.00	1000(A)
100 1,2,3-Trichlorobenzene	180	16.846	16.846	(1.175)	481768	1000.00	1000(A)
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				913531	2000.00	1900
M 102 Xylene (total)	106				1757803	3000.00	2900

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

COMPUCHEM a division of Liberty Analytical Corp DATE 9/12/05 INITIAL TIME OF TUNE 1434 SHIFT/S(A) V (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0254 LINKER /METHOD 8260B S (W)

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) 5ppb 2ppb

401

PREVENTIVE MAINTENANCE none

	CTBD	FILE NAME	RTBD	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BG050912A59		—	—	9/12/05	1454	BFB	—	2uL	—	2473	LCD=SCD
2		GS050912A59	US	—	—	/ /	1521	VSTD002	—	10ml	—		ICAL passes
3		GT050912A59		—	—	/ /	1549	VSTD005	—		—		no CEVE
4		GU050912A59		—	—	/ /	1616	VSTD010	—		—		
5		GV050912A59		—	—	/ /	1644	VSTD020	—		—		
6		GW050912A59	US	—	—	/ /	1711	VSTD050	—		—		
7		GX050912A59		—	—	/ /	1739	VSTD100	—		—		
8		GY050912A59		—	—	/ /	1806	VSTD200	—		—		
9		GC050912A59		—	—	/ /	1833	VIBLKAC	—		—		
10		GZ050912A59		—	—	/ /	1901	VSTD002	—		—		
11		GA050912A59		—	—	/ /	1928	VSTD050	—		—		
12						/ /							
13						/ /							
14						/ /							
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23						/ /							
24						/ /							

JAO 9-13-05

SUPERVISOR APPROVAL [signature] Date 9-13-05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 63488

Calibration Group Code / Lot No. ~~DC262~~ DC263 JAO 9-12-05

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05: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.: 7771

Instrument ID: 5972HP59 Calibration Date: 09/21/05 Time: 1150

Lab File ID: GS050921A59 Init. Calib. Date(s): 09/12/05 09/12/05

Init. Calib. Times: 1549 1928

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF50 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.3471400	0.3487348	0.001	0.46	25.00	AVRG
Chloromethane	0.1712000	0.1651517	0.1	-3.53	25.00	AVRG
Vinyl Chloride	0.1515800	0.1566952	0.001	3.37	20.00	AVRG
Bromomethane	0.2805400	0.3351849	0.001	19.48	25.00	AVRG
Chloroethane	0.2111100	0.2180300	0.001	3.28	25.00	AVRG
Trichlorofluoromethane	0.4163100	0.4563112	0.001	9.61	25.00	AVRG
1,1-Dichloroethene	0.2482500	0.2838723	0.001	14.35	20.00	AVRG
Carbon disulfide	0.9485400	1.0146070	0.001	6.96	25.00	AVRG
1,1,2-trichloro-1,2,2-triflu	0.3092000	0.3374411	0.001	9.13	25.00	AVRG
Acetone	0.0566800	0.0630530	0.001	11.24	25.00	AVRG
Methylene Chloride	0.3063800	0.3331630	0.001	8.74	25.00	AVRG
trans-1,2-Dichloroethene	0.2855100	0.3162349	0.001	10.76	25.00	AVRG
thyl-tert-butyl ether	0.6069200	0.6787340	0.001	11.83	25.00	AVRG
1-Dichloroethane	0.5010500	0.5186707	0.1	3.52	25.00	AVRG
cis-1,2-Dichloroethene	0.2969600	0.3306325	0.001	11.34	25.00	AVRG
2-butanone	0.0912300	0.1039665	0.001	13.96	25.00	AVRG
Chloroform	0.5238100	0.5553938	0.001	6.03	20.00	AVRG
1,1,1-Trichloroethane	0.4137100	0.4547630	0.001	9.92	25.00	AVRG
Carbon Tetrachloride	0.3415400	0.3668146	0.001	7.40	25.00	AVRG
Benzene	1.0139000	1.0598539	0.001	4.53	25.00	AVRG
1,2-Dichloroethane	0.3434800	0.3659719	0.001	6.55	25.00	AVRG
Trichloroethene	0.2661500	0.3060208	0.001	14.98	25.00	AVRG
1,2-Dichloropropane	0.2473900	0.2498093	0.001	0.98	20.00	AVRG
Bromodichloromethane	0.3674400	0.4017601	0.001	9.34	25.00	AVRG
cis-1,3-Dichloropropene	0.4321700	0.4753708	0.001	10.0	25.00	AVRG
4-Methyl-2-pentanone	0.3090200	0.3384229	0.001	9.51	25.00	AVRG
Toluene	0.9291300	0.9897033	0.001	6.52	20.00	AVRG
trans-1,3-Dichloropropene	0.5599400	0.5854402	0.001	4.55	25.00	AVRG
1,1,2-Trichloroethane	0.3136300	0.3648357	0.001	16.33	25.00	AVRG
Tetrachloroethene	0.2891200	0.3221193	0.001	11.41	25.00	AVRG
2-hexanone	0.2107300	0.2349480	0.001	11.49	25.00	AVRG
Dibromochloromethane	0.3972200	0.4476795	0.001	12.70	25.00	AVRG
1,2-Dibromoethane	0.3485400	0.4021297	0.001	15.38	25.00	AVRG
Chlorobenzene	0.9531900	1.0426497	0.3	9.38	25.00	AVRG
Ethylbenzene	0.4686500	0.5004185	0.001	6.78	20.00	AVRG
Styrene	0.9469600	1.0500907	0.001	10.89	25.00	AVRG
Bromoform	0.2474300	0.3001815	0.1	21.32	25.00	AVRG
Isopropyl Benzene	1.4350800	1.5704693	0.001	9.43	25.00	AVRG
1,1,2,2-Tetrachloroethane	0.9550400	1.0354544	0.3	8.42	25.00	AVRG
1,3-Dichlorobenzene	1.4296300	1.5621704	0.001	9.27	25.00	AVRG
4-Dichlorobenzene	1.5053100	1.6153520	0.001	7.31	25.00	AVRG
2-Dichlorobenzene	1.3319800	1.4551816	0.001	9.25	25.00	AVRG

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5972HP59 Calibration Date: 09/21/05 Time: 1150

Lab File ID: GS050921A59 Init. Calib. Date(s): 09/12/05 09/12/05

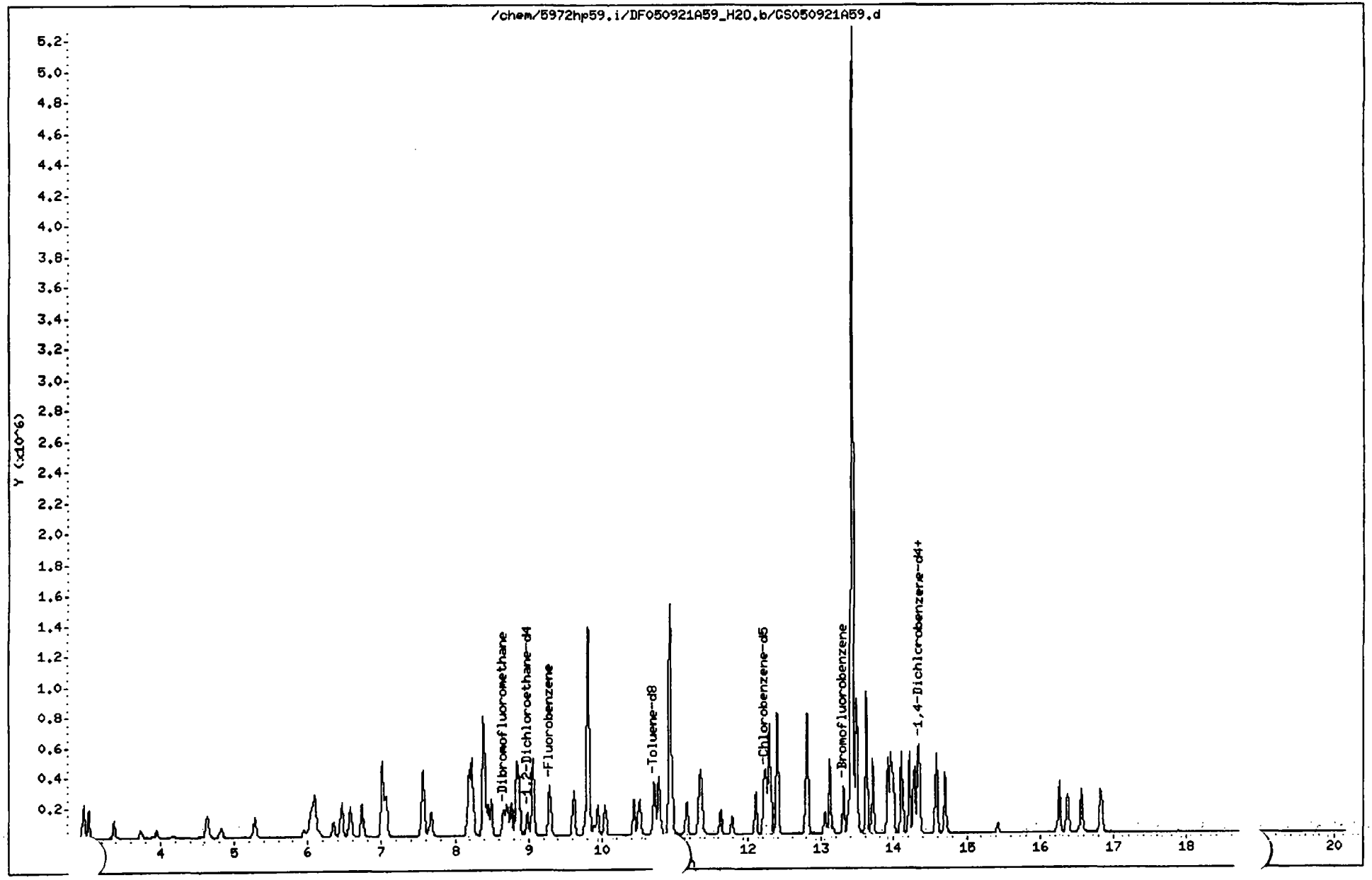
Init. Calib. Times: 1549 1928

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF50 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1336000	0.1710875	0.001	28.06	25.00	AVRG	<-
1,2,4-Trichlorobenzene	0.9109000	1.0546688	0.001	15.78	25.00	AVRG	
Xylene (total)	0.5704600	0.6192365	0.001	8.55	25.00	AVRG	
Methyl acetate	0.1394900	0.1601082	0.001	14.78	25.00	AVRG	
Cyclohexane	0.3707900	0.3473012	0.001	-6.33	25.00	AVRG	
Methylcyclohexane	0.3385600	0.3508140	0.001	3.62	25.00	AVRG	
Dibromofluoromethane	0.3095300	0.3013637	0.001	-2.64	25.00	AVRG	
1,2-Dichloroethane-d4	0.3089400	0.2825983	0.001	-8.53	25.00	AVRG	
Toluene-d8	1.3665200	1.2882773	0.001	-5.72	25.00	AVRG	
Bromofluorobenzene	1.0942400	1.0176855	0.001	-7.00	25.00	AVRG	

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/CS050921A59.d
Date : 21-SEP-2005 11:50
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/DF050921A59_H2O.b/GS050921A59.d
Report Date: 22-Sep-2005 07:18

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/GS050921A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 21-SEP-2005 11:50
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD050:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 5 Continuing Calibration Sample
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	9.281	9.281	(1.000)	401110	250.000	
* 2 Chlorobenzene-d5	117	12.213	12.213	(1.000)	269990	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.328	14.328	(1.000)	143903	250.000	
$ 4 Dibromofluoromethane	113	8.652	8.652	(0.932)	120880	250.000	240
$ 5 1,2-Dichloroethane-d4	65	8.986	8.986	(0.968)	113353	250.000	230
$ 6 Toluene-d8	98	10.708	10.708	(0.877)	347822	250.000	240
$ 7 Bromofluorobenzene	95	13.295	13.295	(0.928)	146448	250.000	230
8 Dichlorodifluoromethane	85	3.369	3.369	(0.363)	139881	250.000	250
9 Chloromethane	50	3.733	3.733	(0.402)	66244	250.000	240
10 Vinyl Chloride	62	3.949	3.949	(0.425)	62852	250.000	260
11 Bromomethane	94	4.628	4.628	(0.499)	134446	250.000	300
12 Chloroethane	64	4.825	4.825	(0.520)	87454	250.000	260
13 Trichlorofluoromethane	101	5.277	5.277	(0.569)	183031	250.000	270
14 Acrolein	56	5.946	5.946	(0.641)	62272	2500.00	2500
15 1,1-Dichloroethene	96	6.104	6.104	(0.658)	113864	250.000	290

mitt 9-22-05

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/GS050921A59.d
Report Date: 22-Sep-2005 07:18

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	6.035	6.035	(0.650)	53810	250.000	270
17 Acetone	43	6.143	6.143	(0.662)	63228	625.000	700
18 Iodomethane	142	6.340	6.340	(0.683)	146660	250.000	230
19 1,1,2-trichloro-1,2,2-trifluo	101	6.064	6.064	(0.653)	135351	250.000	270
20 Carbon disulfide	76	6.448	6.448	(0.695)	406969	250.000	270
21 3-Chloropropene	76	6.576	6.576	(0.708)	63791	250.000	270
22 Acetonitrile	41	6.566	6.566	(0.707)	140128	250.000	240
23 Methyl acetate	43	6.566	6.566	(0.707)	64221	250.000	290
24 Methylene Chloride	84	6.733	6.733	(0.725)	133635	250.000	270
25 Acrylonitrile	53	7.009	7.009	(0.755)	345966	2500.00	2900
26 trans-1,2-Dichloroethene	96	7.058	7.058	(0.760)	126845	250.000	280
27 trans-1,2-DCE (part of total)	96	7.058	7.058	(0.760)	126845	250.000	280
28 Methyl-tert-butyl ether	73	7.018	7.018	(0.756)	272247	250.000	280
29 1,1-Dichloroethane	63	7.559	7.559	(0.814)	208044	250.000	260
30 Chloroprene	53	7.668	7.668	(0.826)	138430	250.000	240
31 Vinyl acetate	43	7.559	7.559	(0.814)	317764	250.000	260
32 Isopropyl ether	45	7.550	7.550	(0.813)	321932	250.000	250
33 cis-1,2-Dichloroethene	96	8.189	8.189	(0.882)	132620	250.000	280
34 cis-1,2-DCE (part of total)	96	8.189	8.189	(0.882)	132620	250.000	280
35 2,2-Dichloropropane	77	8.189	8.189	(0.882)	178621	250.000	270
36 Propionitrile	54	8.228	8.228	(0.887)	588558	12500.0	14000
37 2-butanone	43	8.160	8.160	(0.879)	104255	625.000	710
38 Methacrylonitrile	41	8.386	8.386	(0.904)	466339	2500.00	2700
39 Bromochloromethane	128	8.445	8.445	(0.910)	62520	250.000	300
Chloroform	83	8.494	8.494	(0.915)	222774	250.000	270
1,1,1-Trichloroethane	97	8.701	8.701	(0.937)	182410	250.000	270
42 Cyclohexane	56	8.760	8.760	(0.944)	139306	250.000	230
43 1,1-dichloropropene	75	8.848	8.848	(0.953)	152307	250.000	260
44 Carbon Tetrachloride	117	8.868	8.868	(0.955)	147133	250.000	270
45 1,2-Dichloroethane	62	9.055	9.055	(0.976)	146795	250.000	270
46 Isobutyl alcohol	43	8.838	8.838	(0.952)	171046	12500.0	15000
47 Benzene	78	9.055	9.055	(0.976)	425118	250.000	260
48 Trichloroethene	130	9.616	9.616	(1.036)	122748	250.000	290
49 Methylcyclohexane	83	9.783	9.783	(1.054)	140715	250.000	260
50 1,2-Dichloropropane	63	9.812	9.812	(1.057)	100201	250.000	250
51 Dibromomethane	174	9.940	9.940	(1.071)	79558	250.000	310
52 1,4-dioxane	88	9.901	9.901	(1.067)	54389	12500.0	17000
53 Methylmethacrylate	69	9.812	9.812	(1.057)	640705	2500.00	2900
54 Bromodichloromethane	83	10.048	10.048	(1.083)	161150	250.000	270
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.442	10.442	(1.125)	190676	250.000	270
57 4-Methyl-2-pentanone	43	10.511	10.511	(0.861)	228427	625.000	680
58 Toluene	92	10.776	10.776	(0.882)	267210	250.000	270
59 trans-1,3-Dichloropropene	75	10.944	10.944	(0.896)	158063	250.000	260
60 1,1,2-Trichloroethane	97	11.160	11.160	(0.914)	98502	250.000	290
61 Ethylmethacrylate	69	10.934	10.934	(0.895)	1169563	2500.00	2700
62 1,3-Dichloropropane	76	11.347	11.347	(0.929)	161528	250.000	270

MIT 9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/GS050921A59.d
Report Date: 22-Sep-2005 07:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	11.357	11.357	(0.930)	86969	250.000	280
64 2-hexanone	43	11.327	11.327	(0.928)	158584	625.000	700
65 Dibromochloromethane	129	11.623	11.623	(0.952)	120869	250.000	280
66 1,2-Dibromoethane	107	11.780	11.780	(0.965)	108571	250.000	290
67 Chlorobenzene	112	12.242	12.242	(1.002)	281505	250.000	270
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.291	12.291	(1.006)	103006	250.000	270
70 Ethylbenzene	106	12.291	12.291	(1.006)	135108	250.000	270
71 m,p-Xylene	106	12.400	12.400	(1.015)	335727	500.000	540
72 m,p-Xylene (part of total)	106	12.400	12.400	(1.015)	335727	500.000	540
73 o-Xylene	106	12.793	12.793	(1.048)	165836	250.000	280
74 o-Xylene (part of total)	106	12.793	12.793	(1.048)	165836	250.000	280
75 Styrene	104	12.803	12.803	(1.048)	283514	250.000	280
76 Bromoform	173	13.049	13.049	(1.068)	81046	250.000	300
78 Isopropyl Benzene	105	13.108	13.108	(1.073)	424011	250.000	270
79 1,1,2,2-Tetrachloroethane	83	13.374	13.374	(0.933)	149005	250.000	270
80 1,2,3-Trichloropropane	110	13.443	13.443	(1.101)	33875	250.000	300
81 Bromobenzene	156	13.482	13.482	(1.104)	122765	250.000	290
82 trans-1,4-dichloro-2-butene	53	13.413	13.413	(1.098)	1340418	1000.00	960
83 n-Propyl Benzene	91	13.482	13.482	(0.941)	573820	250.000	250
84 2-Chlorotoluene	126	13.620	13.620	(0.951)	104613	250.000	260
85 4-Chlorotoluene	126	13.698	13.698	(0.956)	110906	250.000	260
86 1,3,5-Trimethyl Benzene	105	13.610	13.610	(0.950)	353730	250.000	260
88 tert-Butyl Benzene	119	13.915	13.915	(0.971)	313669	250.000	260
89 1,2,4-Trimethyl Benzene	105	13.954	13.954	(0.974)	369110	250.000	260
90 sec-Butyl Benzene	105	14.102	14.102	(0.984)	469174	250.000	260
91 1,3-Dichlorobenzene	146	14.279	14.279	(0.997)	224801	250.000	270
92 p-Isopropyl Toluene	119	14.210	14.210	(0.992)	367689	250.000	260
93 1,4-Dichlorobenzene	146	14.348	14.348	(1.001)	232454	250.000	270
94 1,2-Dichlorobenzene	146	14.702	14.702	(1.026)	209405	250.000	270
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.584	14.584	(1.018)	406926	250.000	260
96 1,2-Dibromo-3-Chloropropane	157	15.430	15.430	(1.077)	24620	250.000	320
97 1,2,4-Trichlorobenzene	180	16.256	16.256	(1.135)	151770	250.000	290
98 Hexachlorobutadiene	225	16.374	16.374	(1.143)	70472	250.000	280
99 Naphthalene	128	16.561	16.561	(1.156)	334502	250.000	290
100 1,2,3-Trichlorobenzene	180	16.827	16.827	(1.174)	137419	250.000	290
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				259465	500.000	560
M 102 Xylene (total)	106				501563	750.000	810

MJB 9-22-5

COMPUCHEM a division of Liberty Analytical Corp DATE 9/21/05 INITIAL TIME OF TUNE 1115 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2315 LINKER /METHOD 8260B ~~8~~ W 5ppb

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59)

PREVENTIVE MAINTENANCE none

	CTRD	FILE NAME	RTRD	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050921A59		—	—	9/21/05	1115	BFB	—	2uL	—	2473	LCD=SCD
2		GS050921A59		—	—	/ /	1150	VSTD050	—	10ml	—		
3		80274A59		—	—	/ /	1229	VBLKAG	7767	~~5.0g~~ ~~10ml~~	—		
4		80286A59		—	—	/ /	1307	VBLKAJ	7771	~~100ml~~ ~~10ml~~	—		M. Level NaOH Lot# 44337
5		80277A59		—	—	/ /	1335	VAGLCS	7767	~~5.0g~~ ~~10ml~~	—		Passes ESPA Spike
6		80280A59		—	—	/ /	1404	VAGLCSD	↓	↓	—		↓
7		80289A59		—	—	/ /	1432	VAJLCS	7771	10ml	—		Passes EPA Spike
8		776704A59		1	1	/ /	1500	TRIP BLANK	7767	5ml	—		
9		776701A59	IL	—	1	/ /	1528	PIT4-1		5.41g	—		
10		776702A59		—	1	/ /	1556	PIT4-2		6.36g	—		
11		776703A59	IL SM	—	1	/ /	1624	PIT4-3	↓	5.29g	—		
12		~~776704~~ 776701R A59		—	R1	/ /	1653	PIT4-1	7767	5.89	—		
13		776703RA59	KM SM	—	R1	/ /	1738	PIT4-3	↓	5.83	—		leaky vial
14		777101A59		1	1	/ /	1803	ACS(W) MW1126	7771	5ml	—		
15		777102A59		1	1	/ /	1831	MW2326			—		
16		777103A59		1	1	/ /	1859	MW0826			—		
17		777104A59		1	1	/ /	1927	MW3126			—		
18		777105A59		1	1	/ /	1955	MW3226			—		
19		777106A59		1	1	/ /	2023	DUP0126			—		
20		777107A59		1	1	/ /	2052	MW2826			—		
21		777108A59		1	1	/ /	2120	MW1726			—		
22		777109A59		1	1	/ /	2148	MW4226			—		
23		777110A59		1	1	/ /	2216	MW4326			—		
24		777111A59		1	1	✓	2244	TB0126	↓	↓	—	↓	

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL dw Date 9-21-05

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC263

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

6/05:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5973HP62 Calibration Date: 09/22/05 Time: 1823

Lab File ID: CU050922B62 Init. Calib. Date(s): 09/12/05 09/12/05

Init. Calib. Times: 1409 1728

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	165.60906	250.00000	0.1318427	0.001	-33.76	25.00	2RDR	<-
Chloromethane	279.41660	250.00000	0.3873571	0.1	11.77	25.00	LINR	
Vinyl Chloride	0.2661000	0.2487000	0.2487000	0.001	-6.54	20.00	AVRG	
Bromomethane	171.58388	250.00000	0.1090003	0.001	-31.37	25.00	LINR	<-
Chloroethane	0.1272000	0.1102500	0.1102500	0.001	-13.32	25.00	AVRG	
Trichlorofluoromethane	260.76092	250.00000	0.3322227	0.001	4.30	25.00	LINR	
1,1-Dichloroethene	0.2166900	0.1874337	0.1874337	0.001	-13.50	20.00	AVRG	
Carbon disulfide	0.5597000	0.4213211	0.4213211	0.001	-24.72	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	281.30139	250.00000	0.2329828	0.001	12.52	25.00	LINR	
Acetone	0.1193300	0.1186690	0.1186690	0.001	-0.55	25.00	AVRG	
Methylene Chloride	0.3662600	0.3186000	0.3186000	0.001	-13.01	25.00	AVRG	
trans-1,2-Dichloroethene	0.3108400	0.2823650	0.2823650	0.001	-9.16	25.00	AVRG	
Methyl-tert-butyl ether	0.7559800	0.4697301	0.4697301	0.001	-37.86	25.00	AVRG	<-
1,1-Dichloroethane	0.5858600	0.5139917	0.5139917	0.1	-12.27	25.00	AVRG	
cis-1,2-Dichloroethene	0.3805600	0.3564126	0.3564126	0.001	-6.34	25.00	AVRG	
2-butanone	0.1621500	0.1459110	0.1459110	0.001	-10.01	25.00	AVRG	
Chloroform	0.6734900	0.6370147	0.6370147	0.001	-5.42	20.00	AVRG	
1,1,1-Trichloroethane	0.5016500	0.4936367	0.4936367	0.001	-1.60	25.00	AVRG	
Carbon Tetrachloride	0.3698500	0.3529588	0.3529588	0.001	-4.57	25.00	AVRG	
Benzene	1.3088500	1.2049925	1.2049925	0.001	-7.94	25.00	AVRG	
1,2-Dichloroethane	0.5054500	0.4568112	0.4568112	0.001	-9.62	25.00	AVRG	
Trichloroethene	0.4055800	0.3798575	0.3798575	0.001	-6.34	25.00	AVRG	
1,2-Dichloropropane	0.3749900	0.3557826	0.3557826	0.001	-5.12	20.00	AVRG	
Bromodichloromethane	0.4987400	0.4779902	0.4779902	0.001	-4.16	25.00	AVRG	
cis-1,3-Dichloropropene	0.5301800	0.5556820	0.5556820	0.001	4.81	25.00	AVRG	
4-Methyl-2-pentanone	0.4177700	0.4367975	0.4367975	0.001	4.55	25.00	AVRG	
Toluene	0.9580500	1.0527219	1.0527219	0.001	9.88	20.00	AVRG	
trans-1,3-Dichloropropene	273.79521	250.00000	0.6213893	0.001	9.52	25.00	LINR	
1,1,2-Trichloroethane	0.4358600	0.4808421	0.4808421	0.001	10.32	25.00	AVRG	
Tetrachloroethene	306.87434	250.00000	0.3912082	0.001	22.75	25.00	LINR	
2-hexanone	0.2823000	0.2920888	0.2920888	0.001	3.47	25.00	AVRG	
Dibromochloromethane	0.5309800	0.6054610	0.6054610	0.001	14.03	25.00	AVRG	
1,2-Dibromoethane	0.4947700	0.5373448	0.5373448	0.001	8.60	25.00	AVRG	
Chlorobenzene	1.1835500	1.2842293	1.2842293	0.3	8.51	25.00	AVRG	
Ethylbenzene	0.5682800	0.6438608	0.6438608	0.001	13.30	20.00	AVRG	
Styrene	1.1699900	1.3097279	1.3097279	0.001	11.94	25.00	AVRG	
Bromoform	0.3998800	0.4639255	0.4639255	0.1	16.02	25.00	AVRG	
Isopropyl Benzene	1.3273000	1.5379476	1.5379476	0.001	15.87	25.00	AVRG	
1,1,2,2-Tetrachloroethane	1.0356200	1.2290658	1.2290658	0.3	18.68	25.00	AVRG	
1,3-Dichlorobenzene	1.7430600	2.0811367	2.0811367	0.001	19.40	25.00	AVRG	
1,4-Dichlorobenzene	1.8024500	2.1254132	2.1254132	0.001	17.92	25.00	AVRG	
1,2-Dichlorobenzene	1.7727900	2.0832026	2.0832026	0.001	17.51	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Instrument ID: 5973HP62 Calibration Date: 09/22/05 Time: 1823

Lab File ID: CU050922B62 Init. Calib. Date(s): 09/12/05 09/12/05

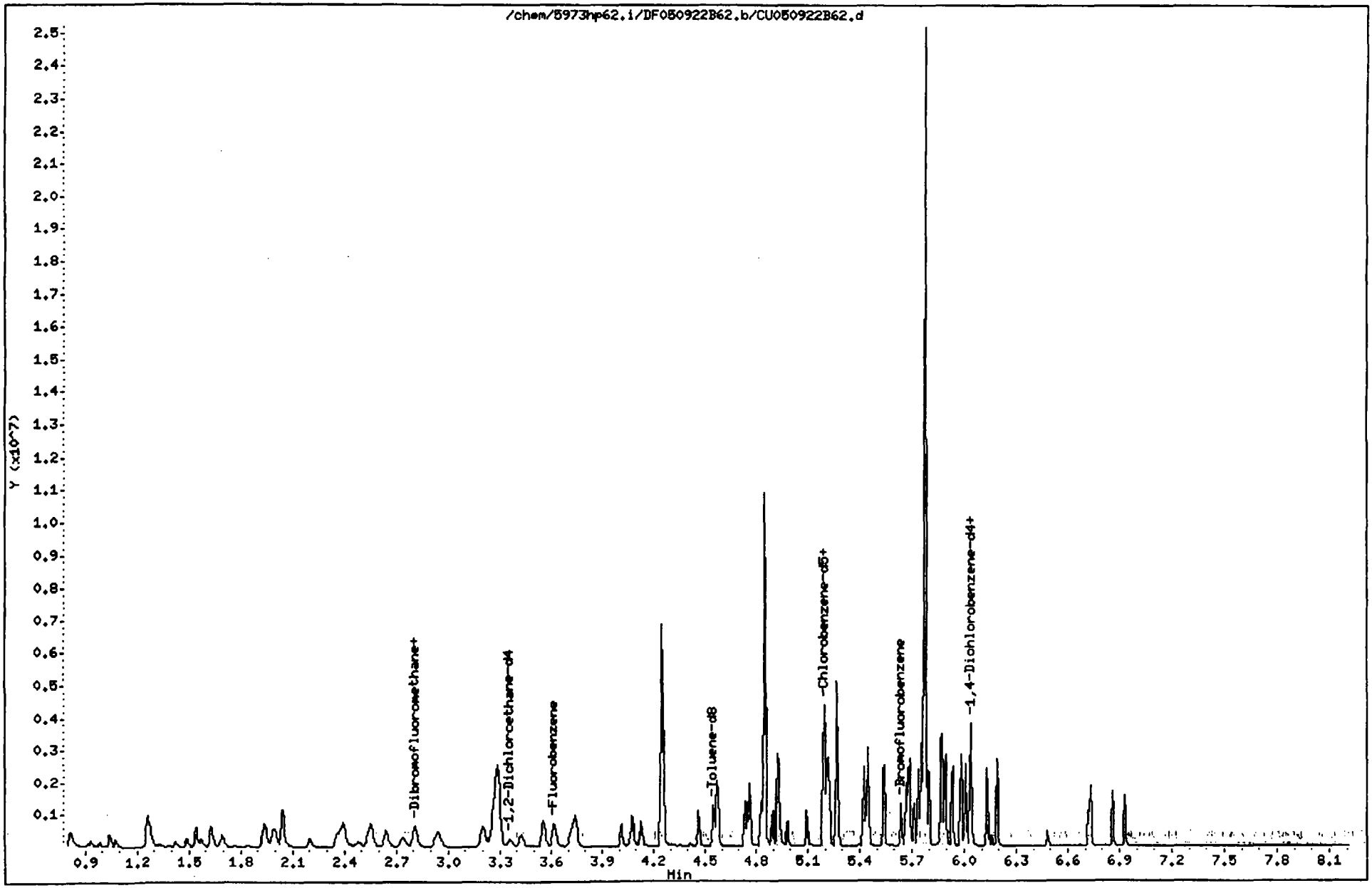
Init. Calib. Times: 1409 1728

GC Column: RTX-VMS ID: 0.18 (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	0.2139400	0.2668817	0.2668817	0.001	24.75	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8074100	1.0906022	1.0906022	0.001	35.07	25.00	AVRG	<-
Xylene (total)	0.7135400	0.7826705	0.7826705	0.001	9.69	25.00	AVRG	
Methyl acetate	237.64005	250.00000	0.2888828	0.001	-4.94	25.00	LINR	
Cyclohexane	256.74898	250.00000	0.3477954	0.001	2.70	25.00	LINR	
Methylcyclohexane	299.39573	250.00000	0.4069106	0.001	19.76	25.00	LINR	
Dibromofluoromethane	0.3228100	0.2519114	0.2519114	0.001	-21.96	25.00	AVRG	
1,2-Dichloroethane-d4	0.3184100	0.2356109	0.2356109	0.001	-26.00	25.00	AVRG	<-
Toluene-d8	1.0420100	1.0001529	1.0001529	0.001	-4.02	25.00	AVRG	
Bromofluorobenzene	0.8270700	0.7907541	0.7907541	0.001	-4.39	25.00	AVRG	

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Date : 22-SEP-2005 18:23
Client ID: VSTD050
Sample Info: VSTD050:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 22-SEP-2005 18:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD050:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 09:43 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 4 Continuing Calibration Sample
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	3.620	3.620	(1.000)	582558	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	464456	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.037	6.037	(1.000)	239608	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	146753	250.000	200
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	137257	250.000	180
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	464527	250.000	240
$ 7 Bromofluorobenzene	95	5.640	5.640	(0.934)	189471	250.000	240
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	76806	250.000	170
9 Chloromethane	50	0.773	0.773	(0.214)	225658	250.000	280
10 Vinyl Chloride	62	0.806	0.806	(0.223)	144902	250.000	230
11 Bromomethane	94	0.937	0.937	(0.259)	63499	250.000	170
12 Chloroethane	64	0.986	0.986	(0.272)	64227	250.000	220
13 Trichlorofluoromethane	101	1.046	1.046	(0.289)	193539	250.000	260
14 Acrolein	56	1.421	1.421	(0.393)	92067	2500.00	1700
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	109191	250.000	220

MIH 9-22-5

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

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	1.263	1.263	(0.349)	57871	250.000	260
17 Acetone	43	1.574	1.574	(0.435)	172829	625.000	620
18 Iodomethane	142	1.329	1.329	(0.367)	79162	250.000	180
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	135726	250.000	280
20 Carbon disulfide	76	1.269	1.269	(0.350)	245444	250.000	190
21 3-Chloropropene	76	1.492	1.492	(0.412)	38935	250.000	200
22 Acetonitrile	41	1.840	1.840	(0.508)	24319	250.000	230
23 Methyl acetate	43	1.644	1.644	(0.454)	168291	250.000	240
24 Methylene Chloride	84	1.546	1.546	(0.427)	185603	250.000	220
25 Acrylonitrile	53	2.047	2.047	(0.565)	708647	2500.00	2200
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	164494	250.000	230
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	164494	250.000	230
28 Methyl-tert-butyl ether	73	1.699	1.699	(0.469)	273645	250.000	160
29 1,1-Dichloroethane	63	2.004	2.004	(0.553)	299430	250.000	220
30 Chloroprene	53	1.987	1.987	(0.549)	164237	250.000	220
31 Vinyl acetate	43	2.205	2.205	(0.609)	326331	250.000	220
32 Isopropyl ether	45	1.938	1.938	(0.535)	629687	250.000	220
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	207631	250.000	230
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	207631	250.000	230
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	85768	250.000	140
36 Propionitrile	54	3.267	3.267	(0.902)	1282897	12500.0	12000
37 2-butanone	43	2.956	2.956	(0.817)	212504	625.000	560
38 Methacrylonitrile	41	3.288	3.288	(0.908)	1260979	2500.00	2400
39 Bromochloromethane	128	2.559	2.559	(0.707)	110108	250.000	220
40 Chloroform	83	2.641	2.641	(0.729)	371098	250.000	240
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	287572	250.000	250
42 Cyclohexane	56	2.543	2.543	(0.702)	202611	250.000	260
43 1,1-dichloropropene	75	2.940	2.940	(0.812)	219894	250.000	240
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	205619	250.000	240
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	266119	250.000	230
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	414698	12500.0	12000
47 Benzene	78	3.201	3.201	(0.884)	701978	250.000	230
48 Trichloroethene	130	3.746	3.746	(1.035)	221289	250.000	230
49 Methylcyclohexane	83	3.724	3.724	(1.029)	237049	250.000	300
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	207264	250.000	240
51 Dibromomethane	174	4.018	4.018	(1.110)	174572	250.000	230
52 1,4-dioxane	88	4.247	4.247	(1.173)	117663	12500.0	12000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	1350083	2500.00	2400
54 Bromodichloromethane	83	4.132	4.132	(1.141)	278457	250.000	240
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	2980	250.000	400(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	323717	250.000	260
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	507183	625.000	650
58 Toluene	92	4.573	4.573	(0.881)	488943	250.000	270
59 trans-1,3-Dichloropropene	75	4.769	4.769	(0.919)	288608	250.000	270
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	223330	250.000	280
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	2582597	2500.00	2800
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	349563	250.000	270

mlt 9-22-

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

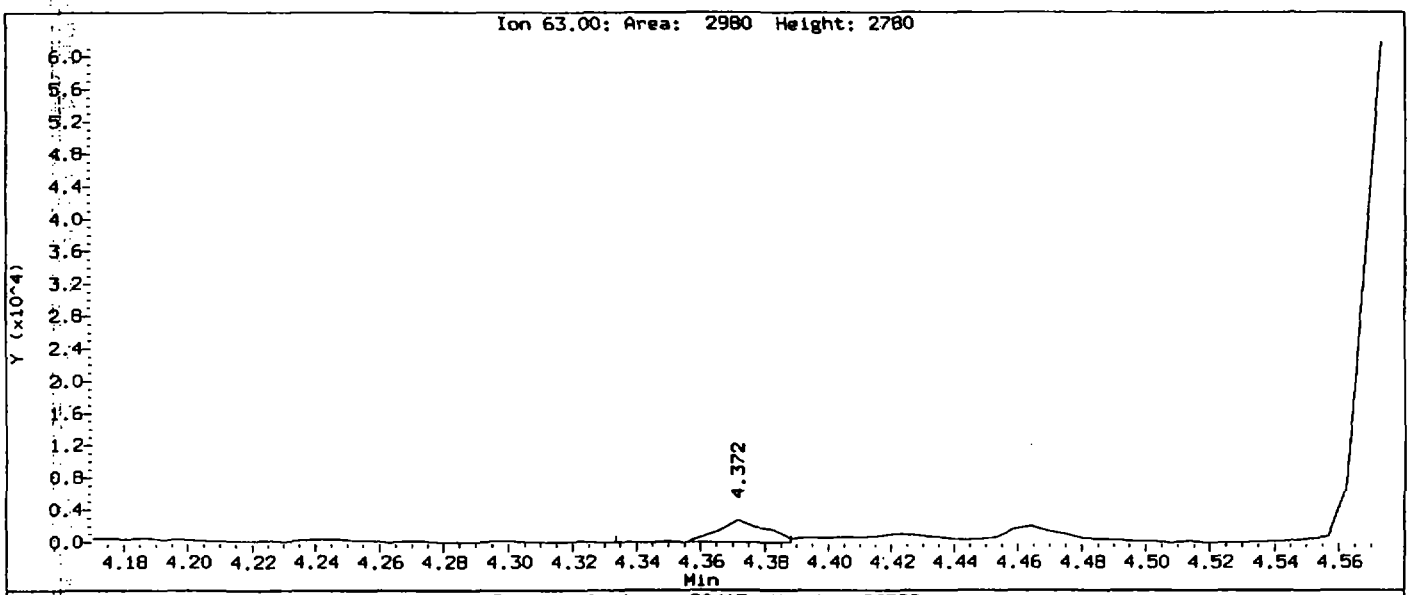
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	4.736	4.736	(0.913)	181699	250.000	310
64 2-hexanone	43	5.096	5.096	(0.982)	339156	625.000	650
65 Dibromochloromethane	129	4.900	4.900	(0.944)	281210	250.000	290
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	249573	250.000	270
67 Chlorobenzene	112	5.194	5.194	(1.001)	596468	250.000	270
69 1,1,1,2-Tetrachloroethane	131	5.226	5.226	(1.007)	246244	250.000	290
70 Ethylbenzene	106	5.215	5.215	(1.005)	299045	250.000	280
71 m,p-Xylene	106	5.270	5.270	(1.016)	725331	500.000	550
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	725331	500.000	550
73 o-Xylene	106	5.428	5.428	(1.046)	365217	250.000	270
74 o-Xylene (part of total)	106	5.428	5.428	(1.046)	365217	250.000	270
75 Styrene	104	5.444	5.444	(1.049)	608311	250.000	280
76 Bromoform	173	5.450	5.450	(1.050)	215473	250.000	290
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	714309	250.000	290
79 1,1,2,2-Tetrachloroethane	83	5.716	5.716	(0.947)	294494	250.000	300
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	77508	250.000	260
81 Bromobenzene	156	5.673	5.673	(1.093)	305525	250.000	270
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	2300607	1000.00	1200
83 n-Propyl Benzene	91	5.689	5.689	(0.942)	1034244	250.000	320
84 2-Chlorotoluene	126	5.743	5.743	(0.951)	245402	250.000	290
85 4-Chlorotoluene	126	5.803	5.803	(0.961)	253893	250.000	290
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.954)	714309	250.000	310
88 tert-Butyl Benzene	119	5.869	5.869	(0.972)	761365	250.000	300
1,2,4-Trimethyl Benzene	105	5.896	5.896	(0.977)	731493	250.000	300
90 sec-Butyl Benzene	105	5.934	5.934	(0.983)	882935	250.000	320
91 1,3-Dichlorobenzene	146	6.010	6.010	(0.995)	498657	250.000	300
92 p-Isopropyl Toluene	119	5.983	5.983	(0.991)	714865	250.000	310
93 1,4-Dichlorobenzene	146	6.043	6.043	(1.001)	509266	250.000	290
94 1,2-Dichlorobenzene	146	6.190	6.190	(1.025)	499152	250.000	290
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.015)	639879	250.000	340
96 1,2-Dibromo-3-Chloropropane	157	6.484	6.484	(1.074)	63947	250.000	310
97 1,2,4-Trichlorobenzene	180	6.734	6.734	(1.115)	261317	250.000	340
98 Hexachlorobutadiene	225	6.723	6.723	(1.114)	115339	250.000	420
99 Naphthalene	128	6.859	6.859	(1.136)	597871	250.000	320
100 1,2,3-Trichlorobenzene	180	6.930	6.930	(1.148)	230911	250.000	340
M 101 1,2-Dichloroethene (total)	96				372125	500.000	460
M 102 Xylene (total)	106				1090548	750.000	820

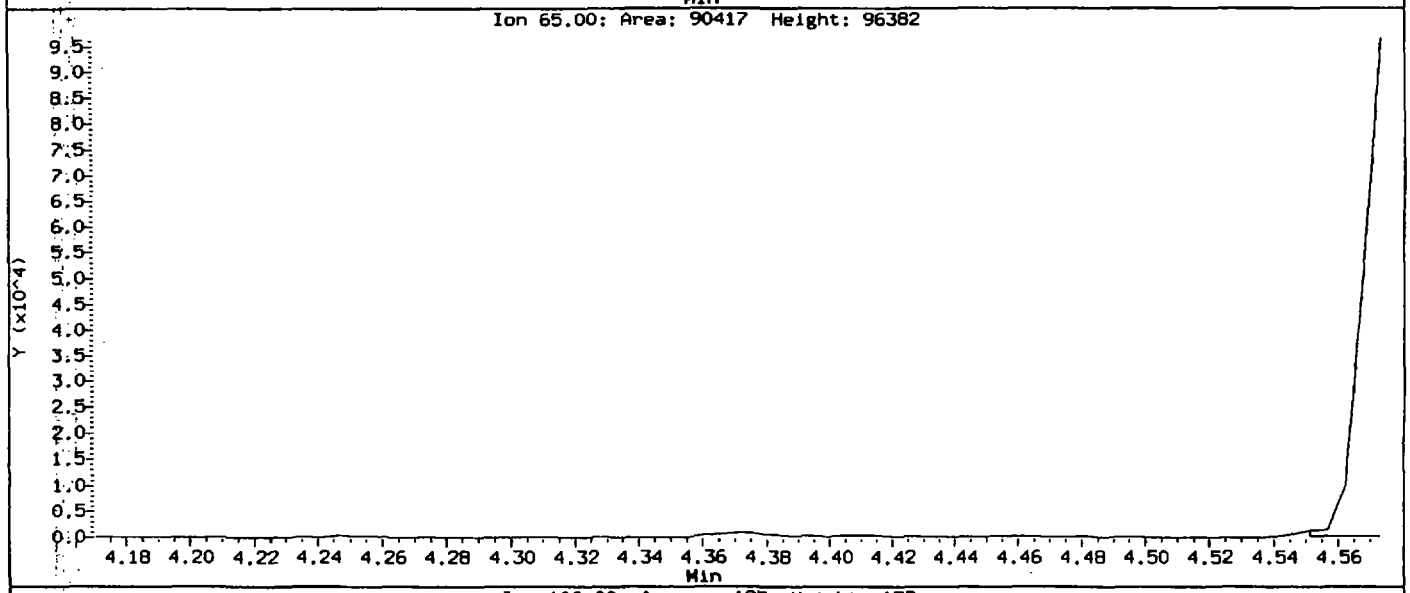
QC Flag Legend

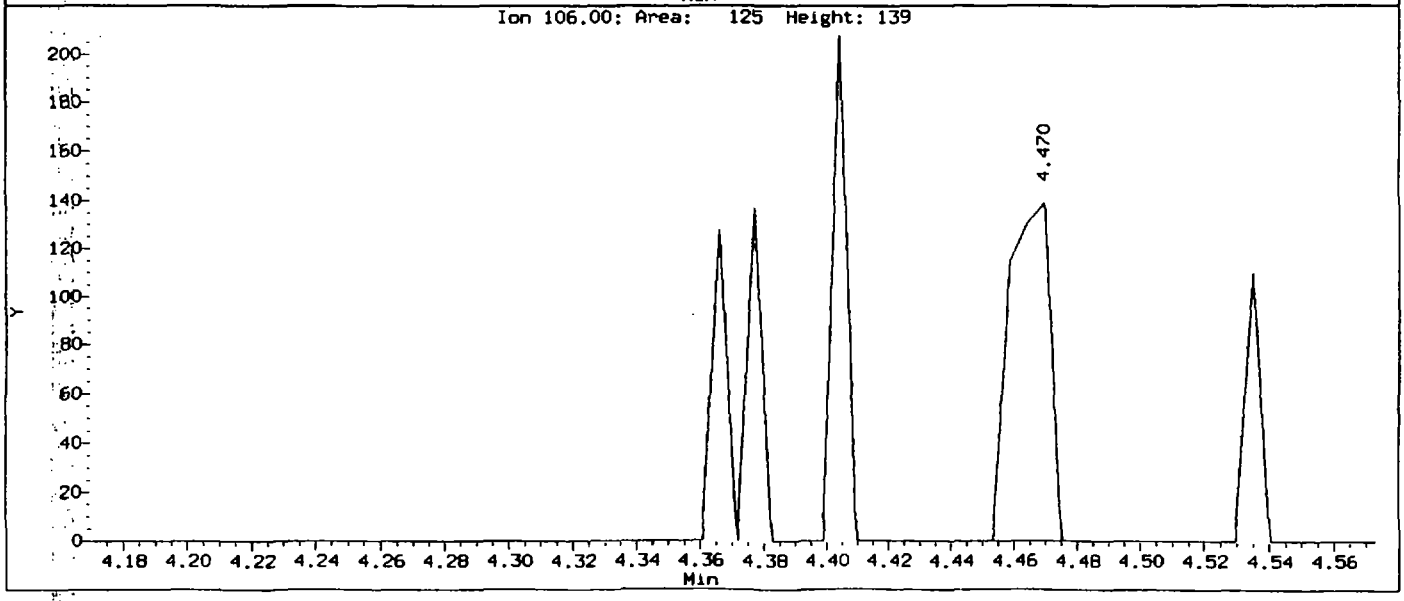
M - Compound response manually integrated.

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Injection Date: 22-SEP-2005 18:23
Instrument: 5973hp62.i
Client Sample ID: VSTD050

Compound: 2-chloroethyl vinyl ether
CAS Number: 110-75-8







Data File: /chem/5973hp62.i/DF050922B62.b/BF050922B62.d

te : 22-SEP-2005 17:37

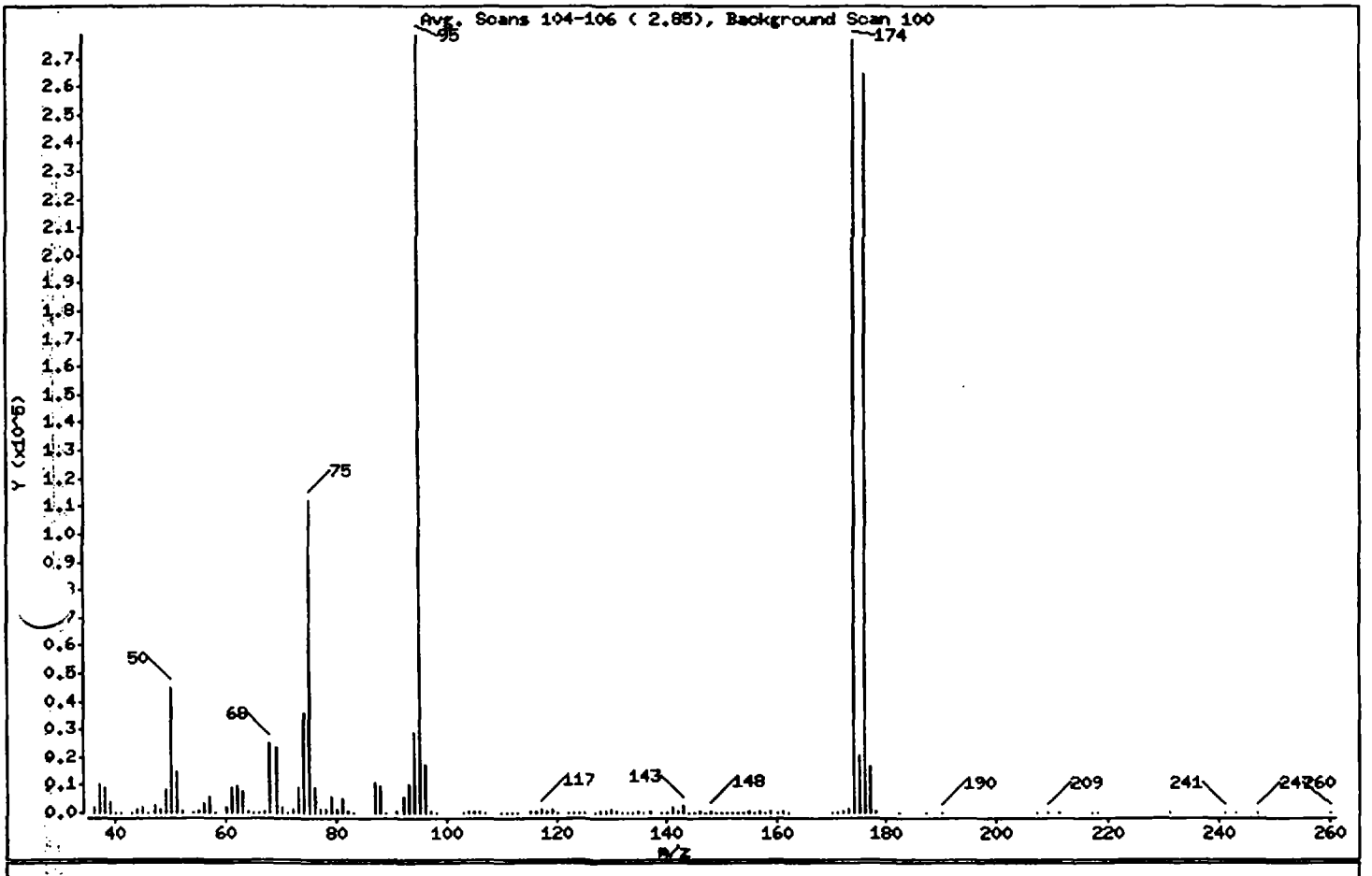
ient ID: BFB | Instrument: 5973hp62.i

Sample Info: BFB:2323

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

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	16.20
75	30.00 - 60.00% of mass 95	40.15
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.48 (0.48)
174	Greater than 50.00% of mass 95	99.37
175	5.00 - 9.00% of mass 174	7.26 (7.30)
176	95.00 - 101.00% of mass 174	94.88 (95.49)
177	5.00 - 9.00% of mass 176	5.93 (6.25)

Data File: /chem/5973hp62.i/BF050922B62.b/BF050922B62.d

Date : 22-SEP-2005 17:37

Client ID: BFB | Instrument: 5973hp62.i

Sample Info: BFB:2323

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

Data File: BF050922B62.d

Spectrum: Avg. Scans 104-106 (2.85), Background Scan 100

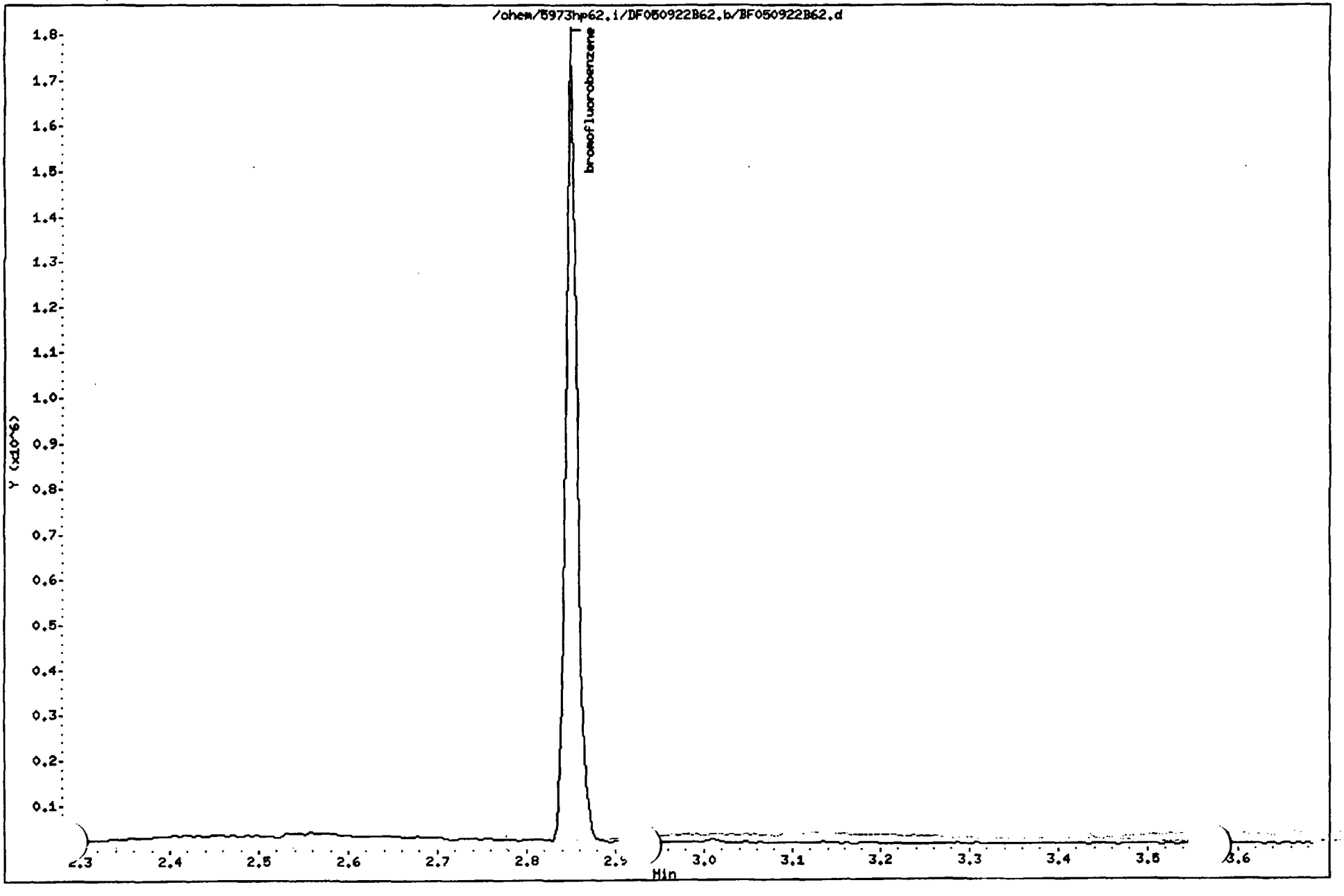
Location of Maximum: 95.00

Number of points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2084	73.00	9043	118.00	691	155.00	668
37.00	10158	74.00	36000	119.00	1167	156.00	125
38.00	8917	75.00	111896	120.00	48	157.00	464
39.00	3838	76.00	9273	122.00	126	158.00	143
40.00	120	77.00	1241	123.00	220	159.00	325
41.00	29	78.00	1182	124.00	175	160.00	34
43.00	142	79.00	5446	125.00	157	161.00	386
44.00	1049	80.00	1442	127.00	174	162.00	38
45.00	2090	81.00	5186	128.00	839	170.00	165
46.00	104	82.00	727	129.00	359	171.00	263
47.00	2829	83.00	210	130.00	1069	172.00	450
48.00	1268	87.00	11171	131.00	390	173.00	1334
49.00	8317	88.00	9687	132.00	37	174.00	276928
50.00	45136	89.00	38	133.00	42	175.00	20216
51.00	14558	91.00	593	134.00	103	176.00	264448
52.00	427	92.00	5979	135.00	480	177.00	16512
54.00	218	93.00	10263	136.00	43	178.00	734
55.00	535	94.00	28792	137.00	447	182.00	59
56.00	3105	95.00	278656	139.00	42	187.00	34
57.00	5692	96.00	17552	140.00	228	190.00	88
58.00	174	97.00	412	141.00	1773	207.00	4
60.00	1694	98.00	100	142.00	368	209.00	83
61.00	8990	103.00	163	143.00	2471	211.00	41
62.00	9319	104.00	948	144.00	122	217.00	45
63.00	7428	105.00	470	145.00	238	218.00	40
64.00	575	106.00	924	146.00	606	231.00	45
65.00	18	107.00	192	147.00	266	241.00	56
66.00	137	110.00	143	148.00	810	243.00	47
67.00	661	111.00	179	149.00	189	247.00	50
68.00	25200	112.00	44	150.00	292	260.00	34
69.00	23512	113.00	206	151.00	83		
70.00	1894	115.00	368	152.00	56		
71.00	117	116.00	907	153.00	243		
72.00	1142	117.00	1438	154.00	159		

Data File: /chem/5973hp62.i/DF050922B62.b/BF050922B62.d
Date : 22-SEP-2005 17:37
Client ID: BFB
Sample Info: BFB:2323
Volume Injected (uL): 2.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



C MPUCHEM a division of Liberty Analytical Corp DATE 9/22/2 INITIAL TIME OF TUNE 1737 SHIFT/S(A)____(B)✓(C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0537 LINKER /METHOD w 82603 Spa 8 W

COMPUCHEM LOGBOOK 11 J(4) 7 (5973hp62)

PREVENTIVE MAINTENANCE None

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BFB0922B62	/	—	—	9/22/05	1737	BFB	—	2ml	—	2323	LCO=SCO
2	/	CS0509 22B62	CS	—	—	/ /	1746	VSTD005	—	5ml	—		
3		CU0509 22B62	/	—	—	/ /	1823		—		—		
4	/	80287B62	CS	—	—	/ /	1853	VBLKAK	None		—		
5		80287RB62	/	—	—	/ /	1923				—		
6		80290B62	/	—	—	/ /	1953	VAKLCS			—		
7	/	CB0509 22B62	CS	—	—	/ /	2023	VEAKLA	—	5ml	—		
8		778804B62	/	1	1	/ /	2053	ACSGW730226	7288		—		
9		777113B62	/	1	1	/ /	2123	ACSGW830226	7271		—		
10		80292B62	/	1	2	/ /	2152	ACSGWMW1726MS	7271		—		
11		80293B62	/	1	2	/ /	2222	MSD			—		
12	/	CC0509 22B62	CS	—	—	/ /	2252	VBLKA3	—		—		
13	/	CD0509 22B62	CS	—	—	/ /	2321	AC	—		—		
14		777112B62	/	1	1	/ /	2351	ACSGWMW4526	7271		—		
15		114	/	1	1	9/23/05	0021	4426			—		
16		115	/	1	1	/ /	0051	5126			—		
17		116	/	1	1	/ /	0111	3026			—		
18		117	/	1	1	/ /	0131	3326			—		
19		118	/	1	1	/ /	0151	5226			—		
20		119	/	1	1	/ /	0211	5326			—		
21		120	/	1	1	/ /	0231	ACSGWDUP0726			—		
22		778801B62	/	1	1	/ /	0251	ACSGWMW5426	7285		—		
23		803	/	1	1	/ /	0311	1526			—		
24	/	802	DW	1	1	/ /	0334	5526		5ml	10		

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature] Date 9-23-05

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC258

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

3/25/05:jad

420

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/5973hp62.i/BF050912A62.b/BF050912A62.d

Date : 12-SEP-2005 13:26

Client ID: BFB

Instrument: 5973hp62.i

Sample Info:

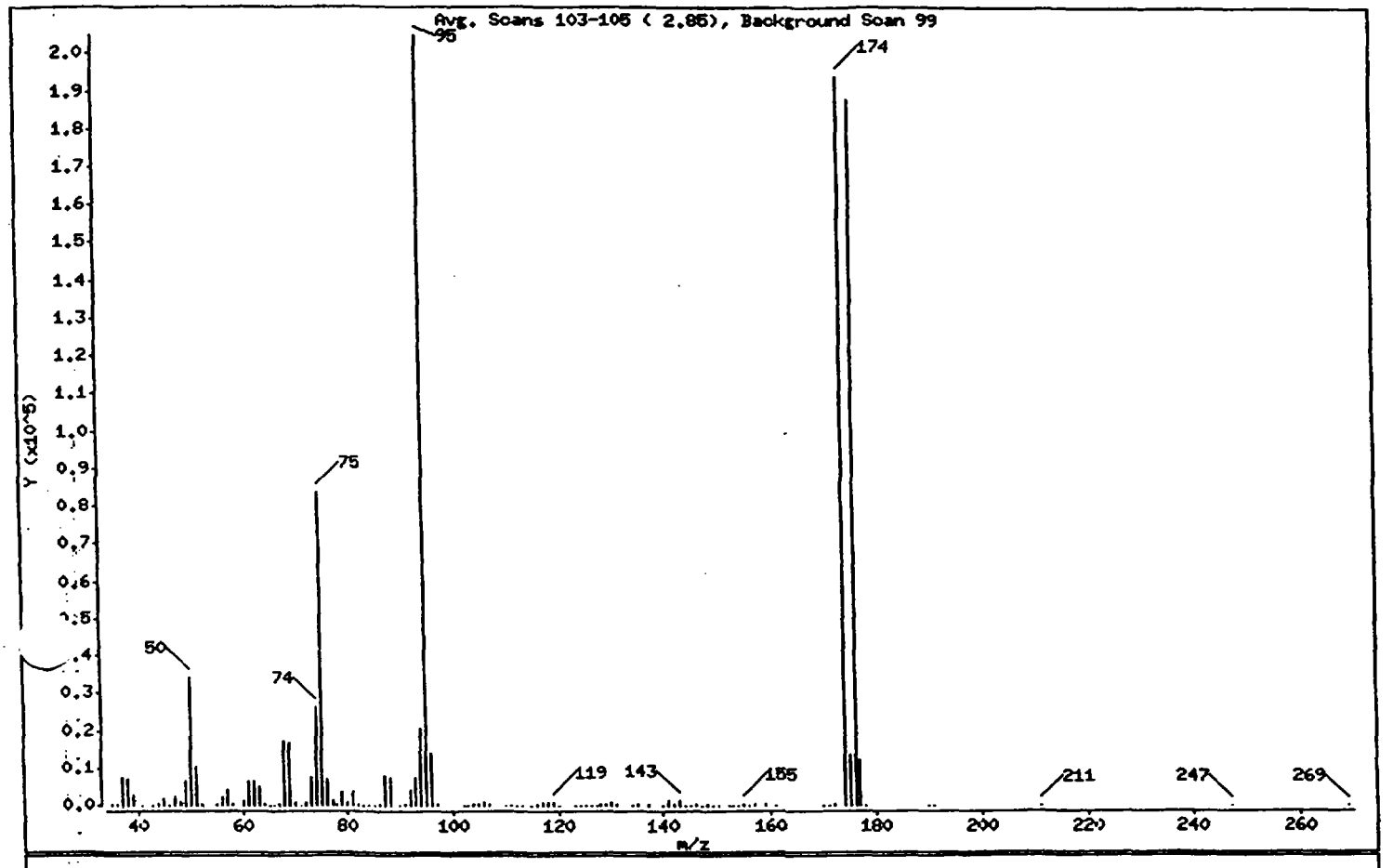
Volume Injected (uL): 2.0

Operator: 2323

Column phase: RTX-VMS

Column diameter: 0.18

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	16.85
75	30.00 - 60.00% of mass 95	40.81
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	94.73
175	5.00 - 9.00% of mass 174	6.62 (6.99)
176	95.00 - 101.00% of mass 174	91.70 (96.80)
177	5.00 - 9.00% of mass 176	5.93 (6.46)

Data File: /chem/5973hp62.i/BF050912A62.b/BF050912A62.d

Date : 12-SEP-2005 13:26

Client ID: BFB | Instrument: 5973hp62.i

Sample Info:

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

Data File: BF050912A62.d

Spectrum: Avg. Scans 103-105 (2.85), Background Scan 99

Location of Maximum: 95.00

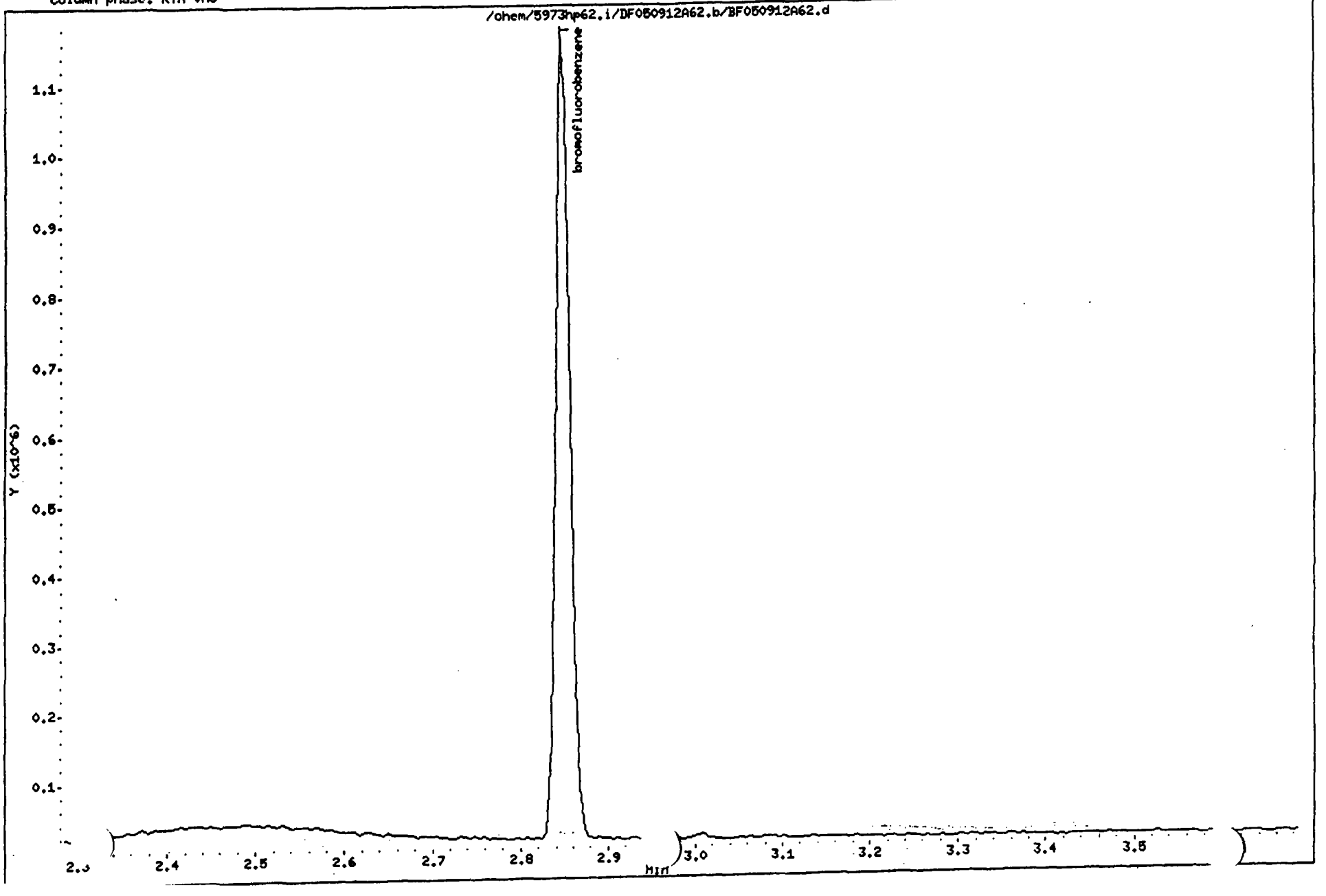
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	391	70.00	1169	105.00	294	145.00	220
36.00	595	71.00	57	106.00	835	146.00	399
37.00	7460	72.00	757	107.00	246	147.00	211
38.00	6692	73.00	7313	110.00	79	148.00	357
39.00	2624	74.00	26608	111.00	191	149.00	128
41.00	45	75.00	83624	112.00	109	150.00	152
43.00	159	76.00	6830	113.00	123	152.00	203
44.00	609	77.00	1291	115.00	65	153.00	168
45.00	1874	78.00	653	116.00	619	154.00	128
46.00	11	79.00	3642	117.00	823	155.00	649
47.00	2191	80.00	827	118.00	730	156.00	100
48.00	861	81.00	3708	119.00	920	157.00	281
49.00	6400	82.00	550	120.00	60	159.00	264
50.00	34520	83.00	217	123.00	106	161.00	223
51.00	10286	84.00	76	124.00	136	170.00	81
52.00	559	85.00	142	125.00	37	171.00	171
55.00	343	86.00	364	126.00	132	172.00	308
56.00	2405	87.00	8082	127.00	41	174.00	194112
57.00	4082	88.00	7735	128.00	475	175.00	13568
58.00	266	90.00	41	129.00	362	176.00	187904
60.00	1384	91.00	594	130.00	723	177.00	12148
61.00	6388	92.00	4421	131.00	320	178.00	183
62.00	6802	93.00	7610	134.00	44	190.00	40
63.00	5225	94.00	20488	135.00	378	191.00	88
64.00	487	95.00	204864	137.00	272	211.00	36
65.00	227	96.00	14058	140.00	110	247.00	50
66.00	16	97.00	342	141.00	1274	269.00	39
67.00	315	102.00	49	142.00	280		
68.00	17640	103.00	112	143.00	1640		
69.00	16896	104.00	517	144.00	161		

Data File: /chem/5973hp62.i/DF050912A62.b/BF050912A62.d
Date : 12-SEP-2005 13:26
Client ID: BFB
Sample Info:
Volume Injected (uL): 2.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5972hp59.i/DG050912A59.b/BG050912A59.d

Date : 12-SEP-2005 14:54

Client ID: BFB

Instrument: 5972hp59.i

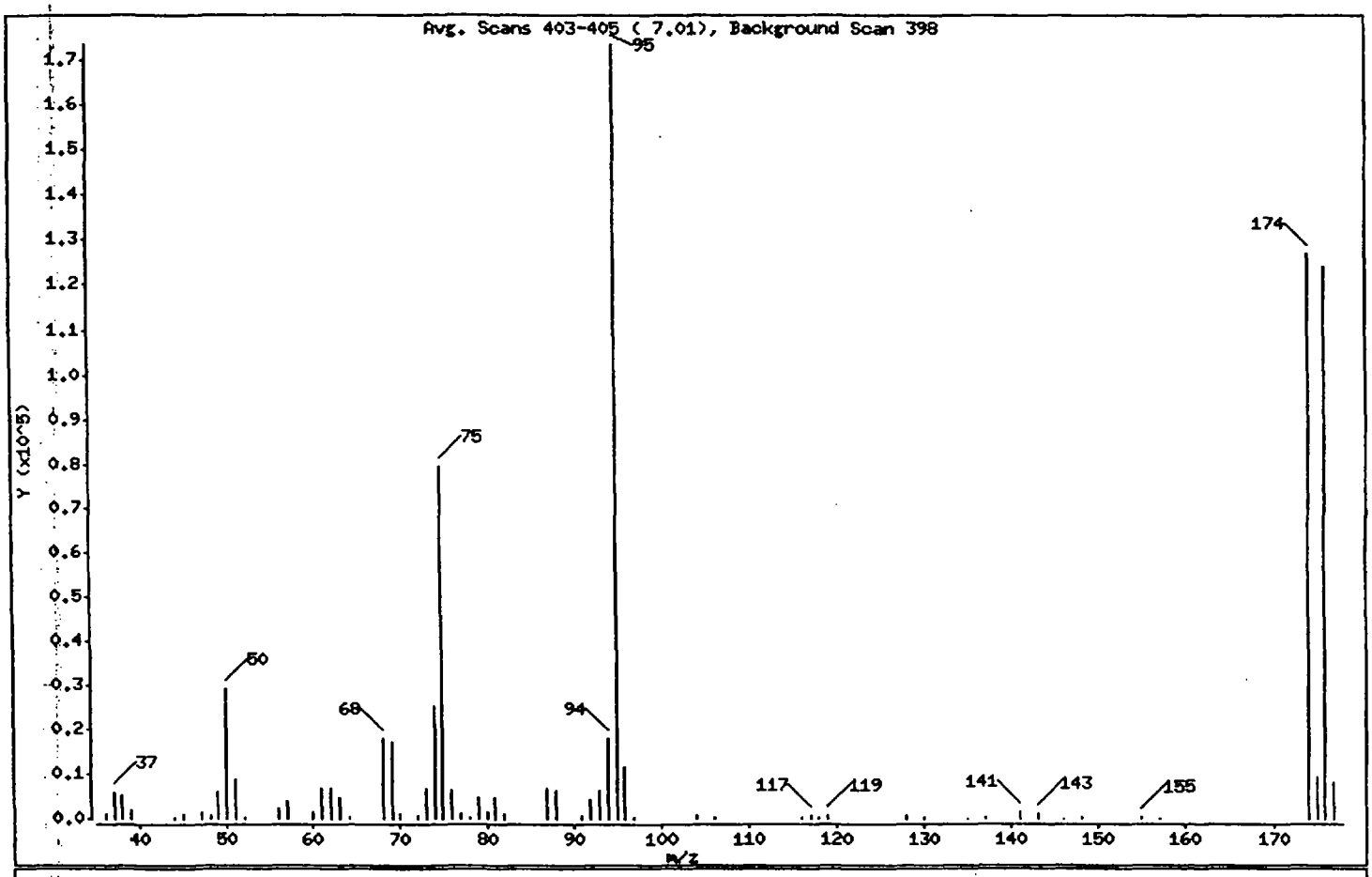
Sample Info: BFB:2473

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	16.87
75	30.00 - 60.00% of mass 95	45.77
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	73.18
175	5.00 - 9.00% of mass 174	5.30 (7.24)
176	95.00 - 101.00% of mass 174	71.55 (97.77)
177	5.00 - 9.00% of mass 176	4.64 (6.48)

Data File: /ohem/5972hp59.i/DC050912A59.b/BC050912A59.d

Date : 12-SEP-2005 14:54

lent ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BC050912A59.d

Spectrum: Avg. Scans 403-405 (7.01), Background Scan 398

Location of Maximum: 95.00

Number of points: 62

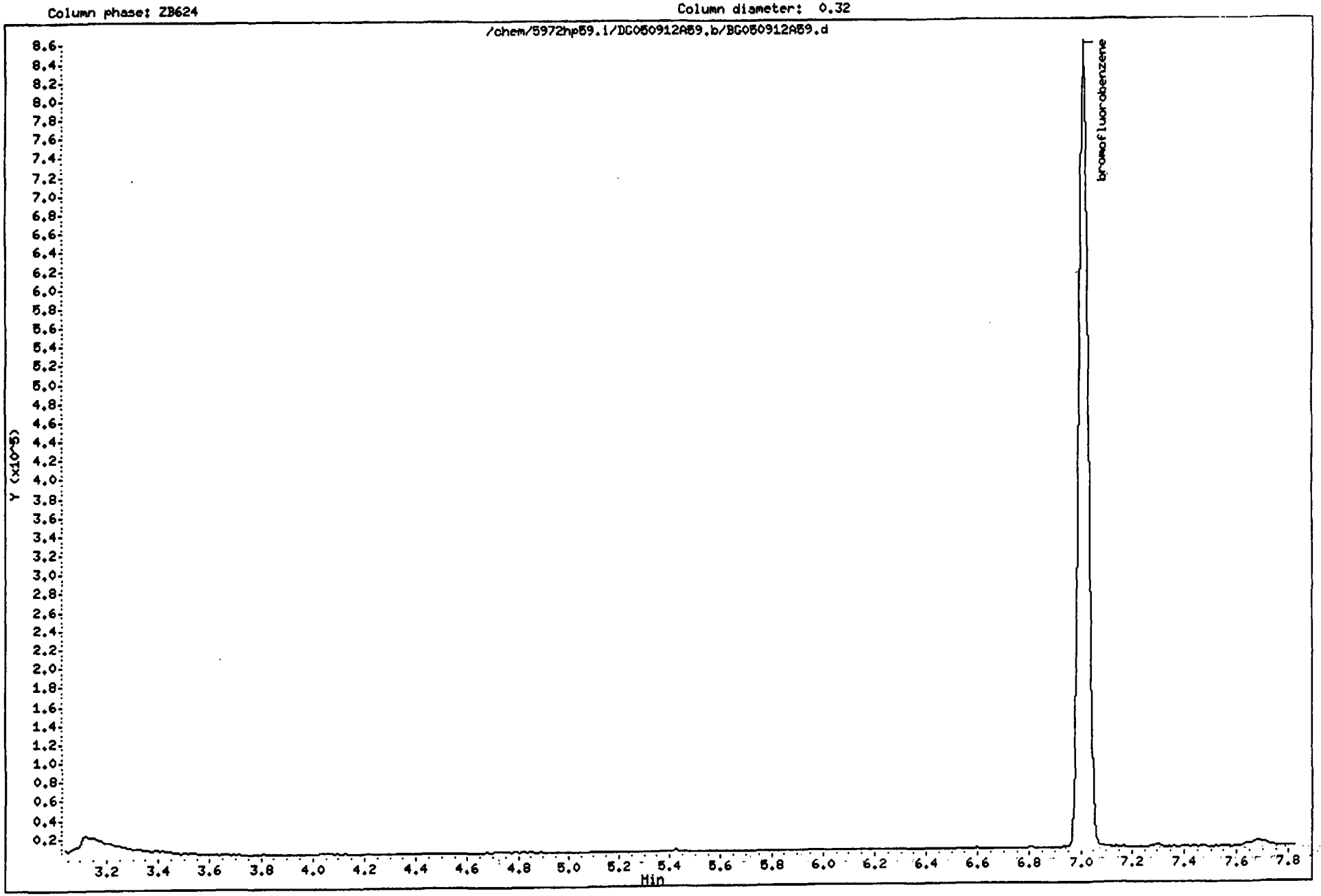
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1239	62.00	6722	82.00	1064	128.00	636
37.00	5881	63.00	4831	87.00	6694	130.00	582
38.00	5306	64.00	297	88.00	6461	135.00	105
39.00	1999	68.00	18096	91.00	651	137.00	205
44.00	556	69.00	17032	92.00	4326	141.00	1400
45.00	1367	70.00	1275	93.00	6552	143.00	1350
47.00	1627	72.00	895	94.00	18088	146.00	125
48.00	691	73.00	6713	95.00	173696	148.00	355
49.00	6016	74.00	25248	96.00	11594	155.00	343
50.00	29296	75.00	79504	97.00	231	157.00	102
51.00	8959	76.00	6582	104.00	677	174.00	127112
52.00	382	77.00	1036	106.00	598	175.00	9209
56.00	2285	78.00	520	116.00	549	176.00	124272
57.00	4173	79.00	4867	117.00	987	177.00	8054
60.00	1401	80.00	1441	118.00	588		
61.00	6929	81.00	4821	119.00	798		

Data File: /chem/5972hp59.i/DC050912A59.b/BC050912A59.d
Date : 12-SEP-2005 14:54
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/BF050921A59.d

Date : 21-SEP-2005 11:15

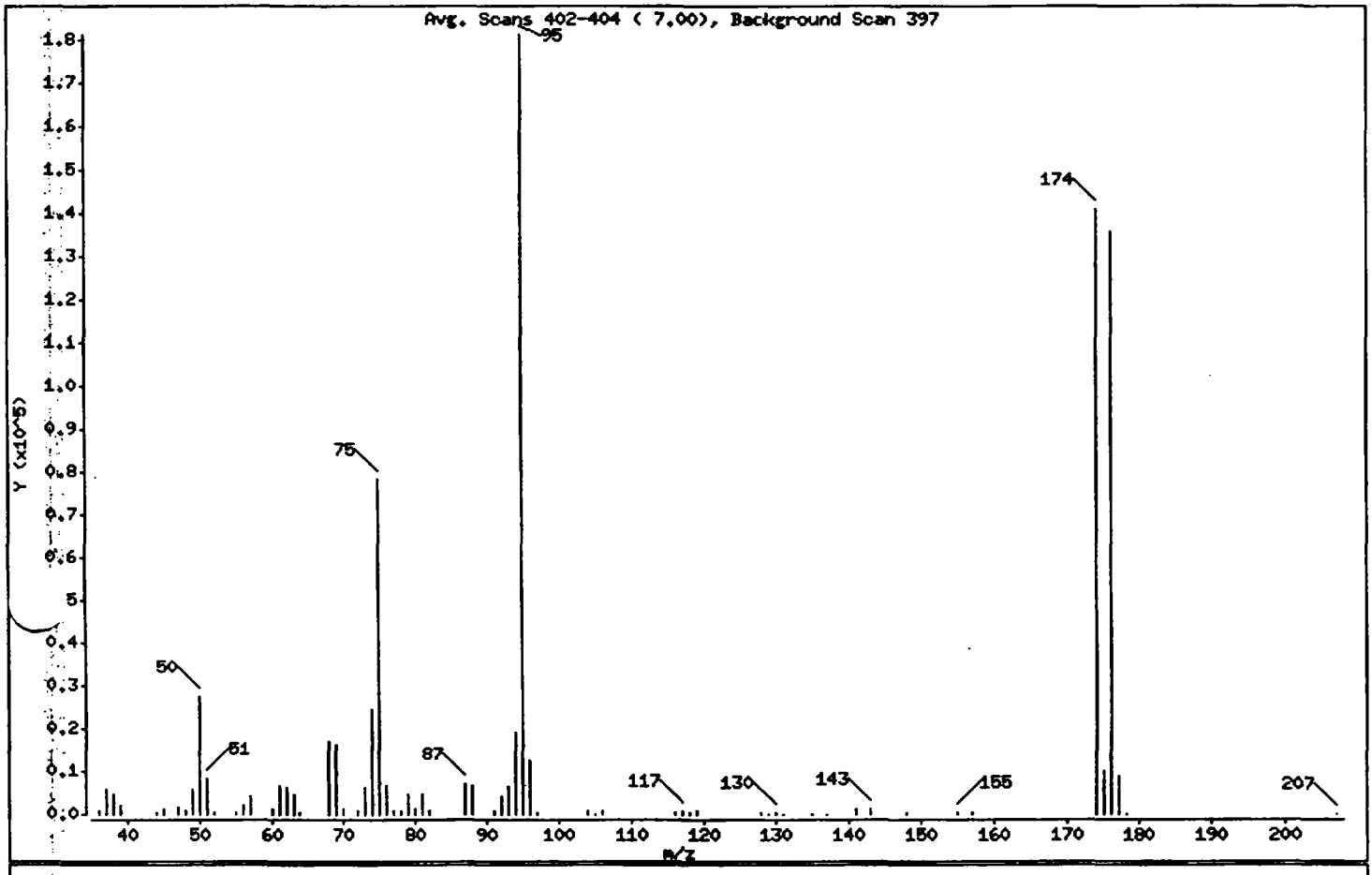
lient ID: BFB | Instrument: 5972hp59.i

Sample Info: BFB:2473

Volume Injected (uL): 2.0 | 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	15.14
75	30.00 - 60.00% of mass 95	43.15
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.64
175	5.00 - 9.00% of mass 174	5.59 (7.20)
176	95.00 - 101.00% of mass 174	74.84 (96.39)
177	5.00 - 9.00% of mass 176	4.93 (6.59)

Data File: /chem/5972hp59.i/DF050921A59_H20.b/BF050921A59.d

Date : 21-SEP-2005 11:15

Client ID: BFB | Instrument: 5972hp59.i

Sample Info: BFB:2473

Volume Injected (uL): 2.0 | Operator: 2473

Column phase: ZB624 | Column diameter: 0.32

Data File: BF050921A59.d

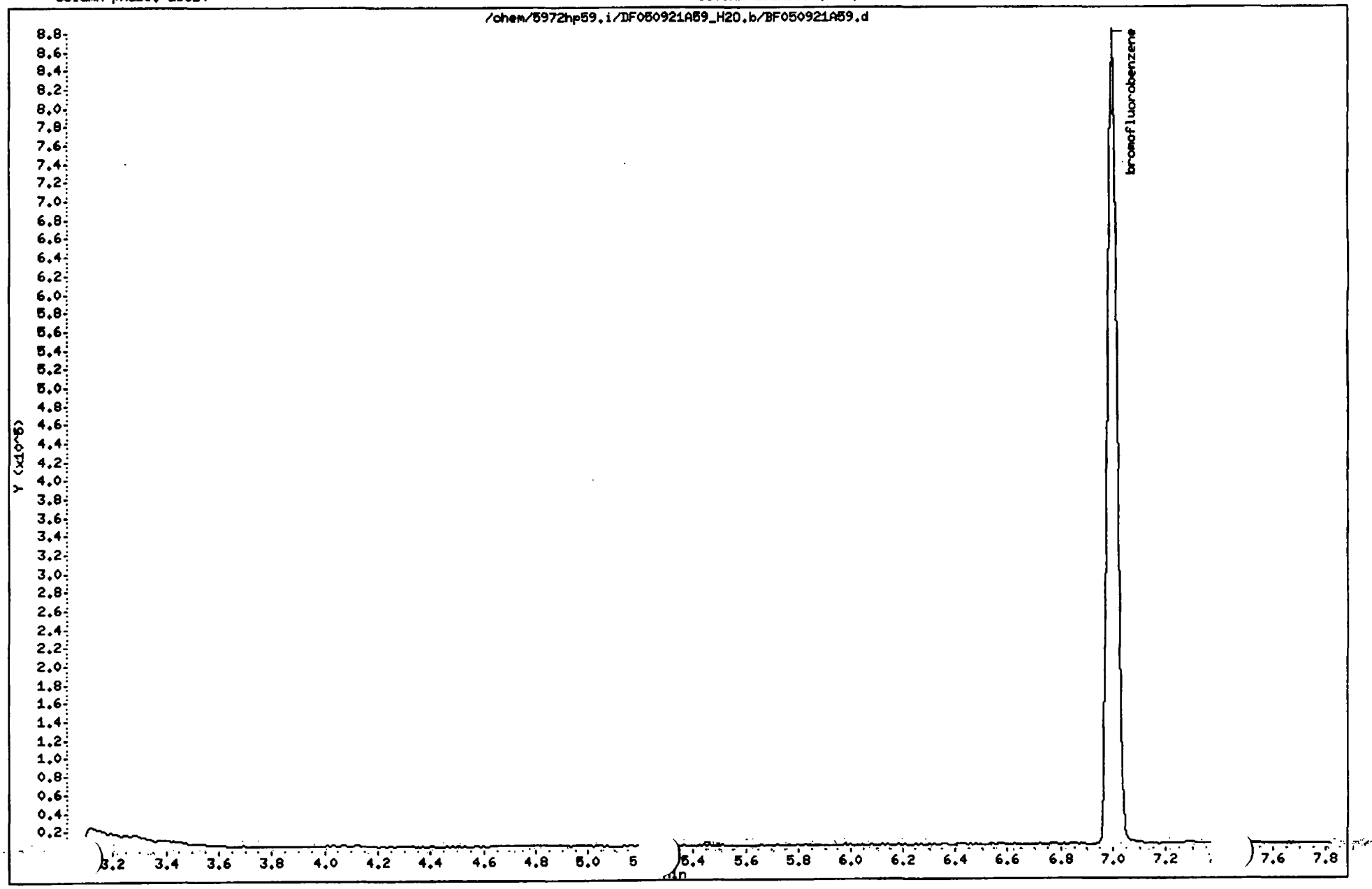
Spectrum: Avg. Scans 402-404 (7.00), Background Scan 397

Location of Maximum: 95.00

Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1012	62.00	6119	87.00	7108	129.00	113
37.00	5854	63.00	4649	88.00	6677	130.00	621
38.00	4688	64.00	470	91.00	695	131.00	101
39.00	2189	68.00	17112	92.00	4370	135.00	104
44.00	505	69.00	16145	93.00	6797	137.00	110
45.00	1247	70.00	1176	94.00	19112	141.00	1253
47.00	1517	72.00	820	95.00	181120	143.00	1299
48.00	655	73.00	6221	96.00	12687	148.00	290
49.00	5821	74.00	24760	97.00	301	155.00	346
50.00	27424	75.00	78160	104.00	672	157.00	342
51.00	8362	76.00	6853	105.00	109	174.00	140608
52.00	424	77.00	975	106.00	701	175.00	10127
55.00	465	78.00	929	116.00	604	176.00	135552
56.00	2041	79.00	4482	117.00	931	177.00	8939
57.00	4036	80.00	1354	118.00	588	178.00	112
60.00	1277	81.00	4518	119.00	756	207.00	111
61.00	6694	82.00	897	128.00	569		

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/BF050921A59.d
Date : 21-SEP-2005 11:15
Client ID: BFB
Instrument: 5972hp59.i
Sample Info: BFB;2473
Volume Injected (uL): 2.0
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.

VBLKAJ

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

VBLKAJ

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAJ

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80286

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80286A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.				
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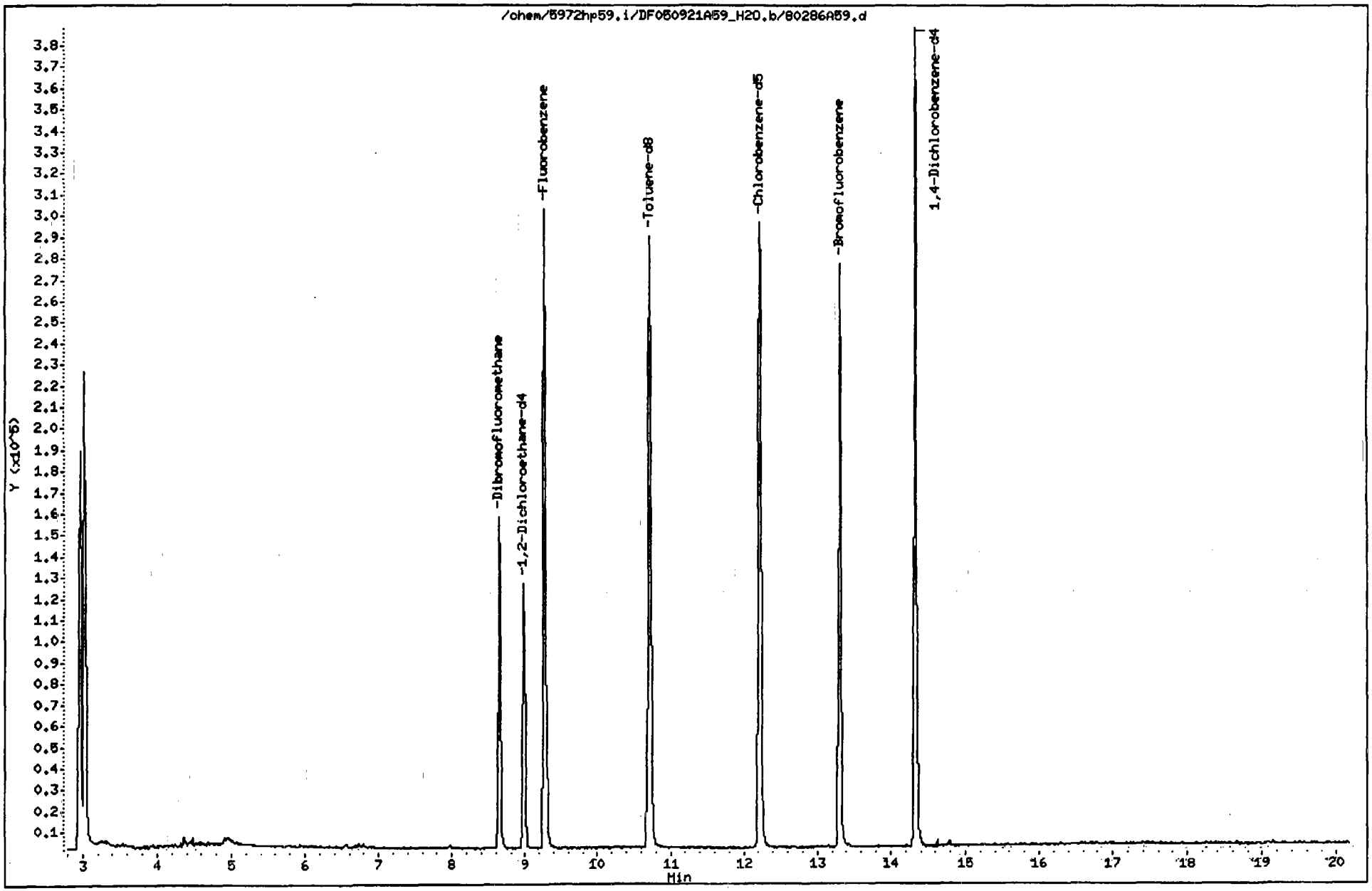
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80286A59.d
Date : 21-SEP-2005 13:07
Client ID: VBLKAJ
Sample Info: 80286:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80286A59.d
Report Date: 22-Sep-2005 08:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/80286A59.d
Lab Smp Id: 80286 Client Smp ID: VBLKAJ
Inj Date : 21-SEP-2005 13:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80286:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 7 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	9.278	9.281	(1.000)	354643	250.000	
* 2 Chlorobenzene-d5	117	12.209	12.213	(1.000)	243567	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.325	14.328	(1.000)	132488	250.000	
$ 4 Dibromofluoromethane	113	8.648	8.652	(0.932)	102160	232.665	47
$ 5 1,2-Dichloroethane-d4	65	8.983	8.986	(0.968)	99139	226.211	45
$ 6 Toluene-d8	98	10.704	10.708	(0.877)	317167	238.229	48
$ 7 Bromofluorobenzene	95	13.301	13.295	(0.929)	130001	224.181	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

MIT 9-22-5

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80286A59.d
Report Date: 22-Sep-2005 08:23

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/DF050921A59_H2O.b/80286A59.d
Report Date: 22-Sep-2005 08:23

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/80286A59.d
Lab Smp Id: 80286 Client Smp ID: VBLKAJ
Inj Date : 21-SEP-2005 13:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80286:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 7 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.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

VBLKAK

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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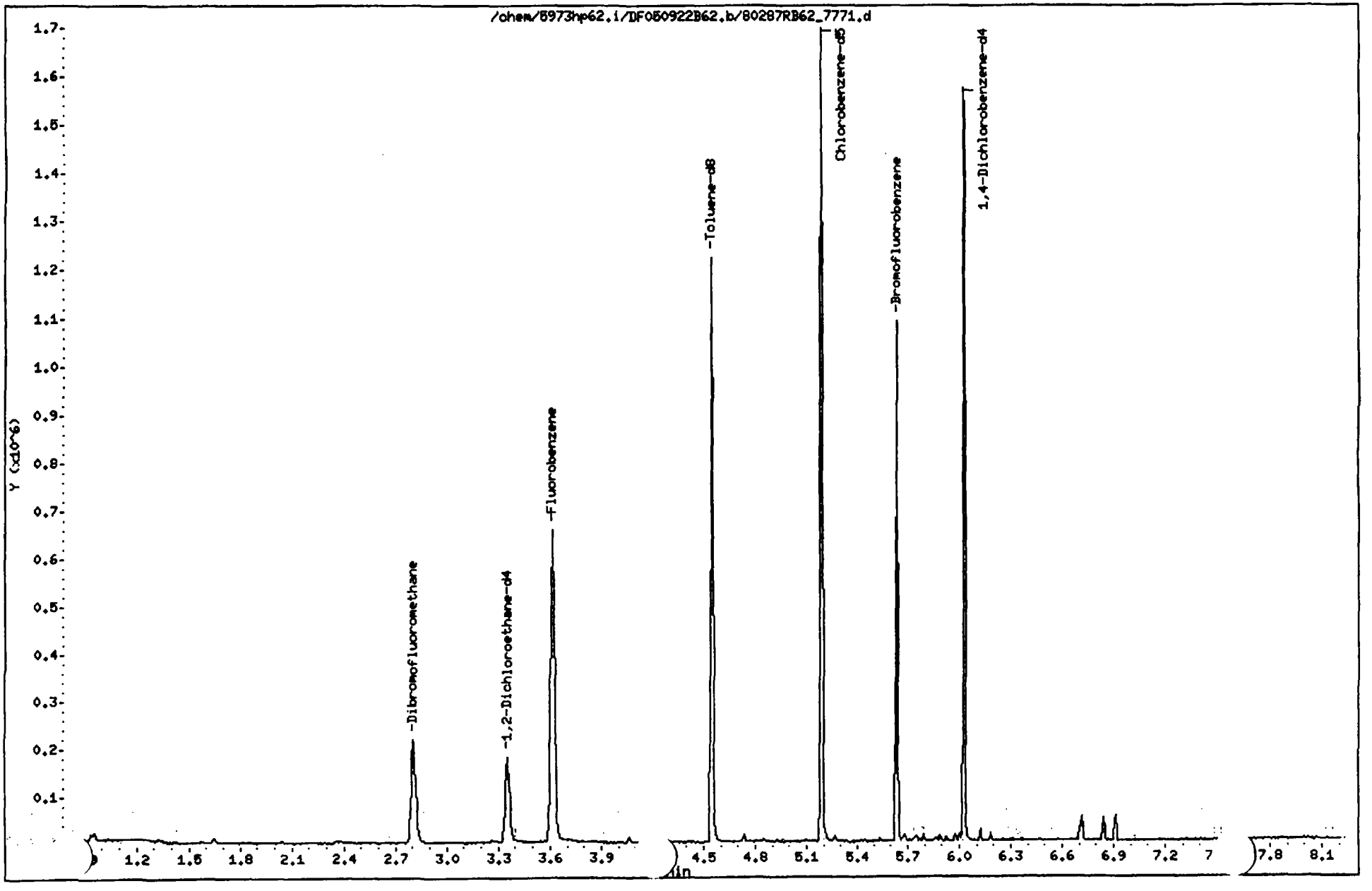
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Date : 22-SEP-2005 19:23
Client ID: VBLKAK
Sample Info: 80287;2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Report Date: 23-Sep-2005 07:22

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Lab Smp Id: 80287 Client Smp ID: VBLKAK
Inj Date : 22-SEP-2005 19:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80287:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 8 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	3.621	3.620	(1.000)	540870	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	441199	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	224353	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.774)	136433	195.354	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	128436	186.444	37
$ 6 Toluene-d8	98	4.552	4.551	(0.877)	430643	234.180	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	175316	236.204	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.					

pml
9-23-5

Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Report Date: 23-Sep-2005 07:22

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.					
1,1,2-Trichloroethane	97	Compound Not Detected.					
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	6.718	6.734	(1.114)	7013	9.67865	1.9(a)
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/5973hp62.i/DF050922B62.b/80287RB62_7771.d

Date : 22-SEP-2005 19:23

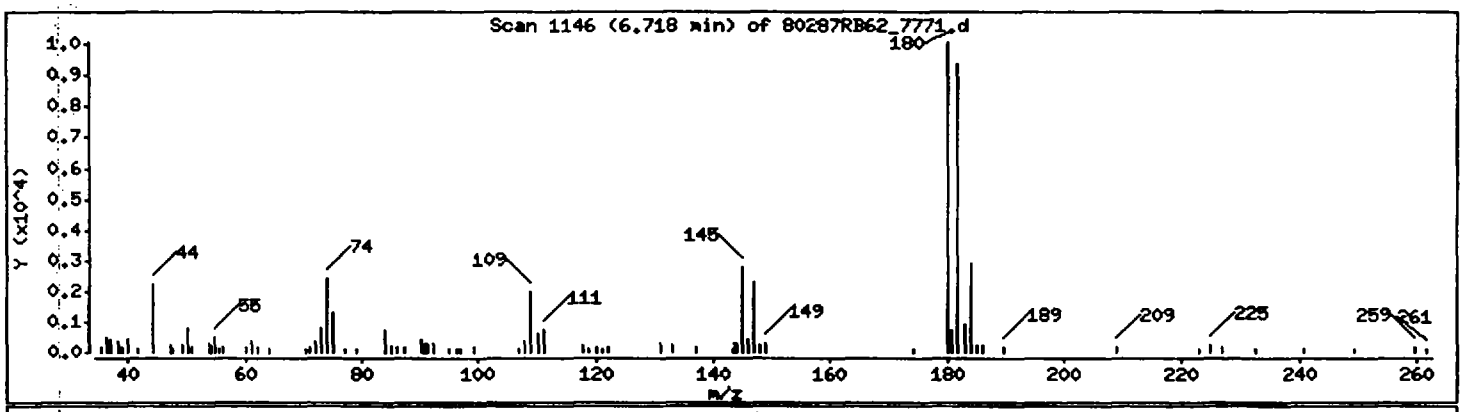
Client ID: VBLKAK | Instrument: 5973hp62.i

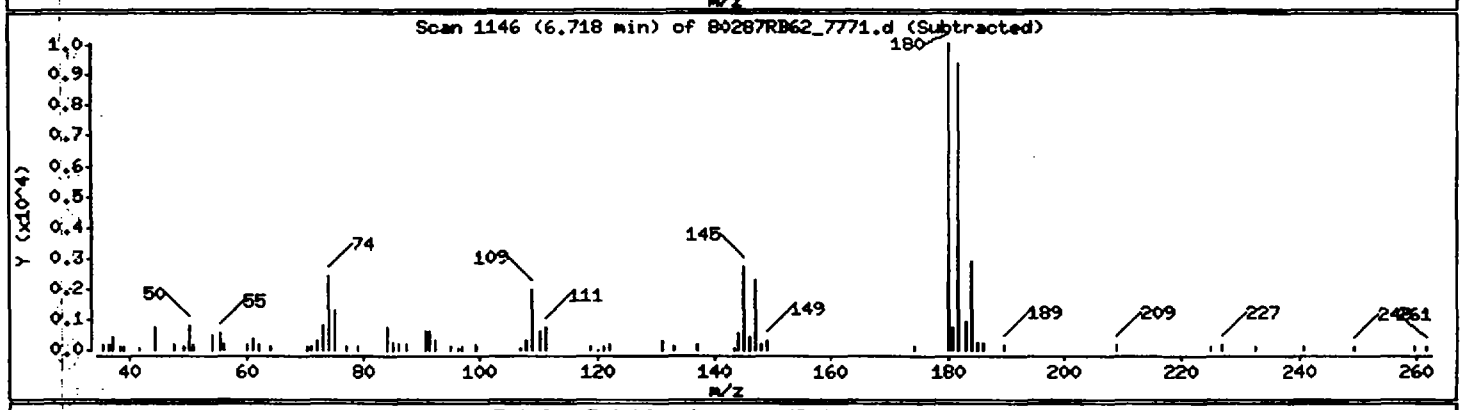
Sample Info: 80287;2323

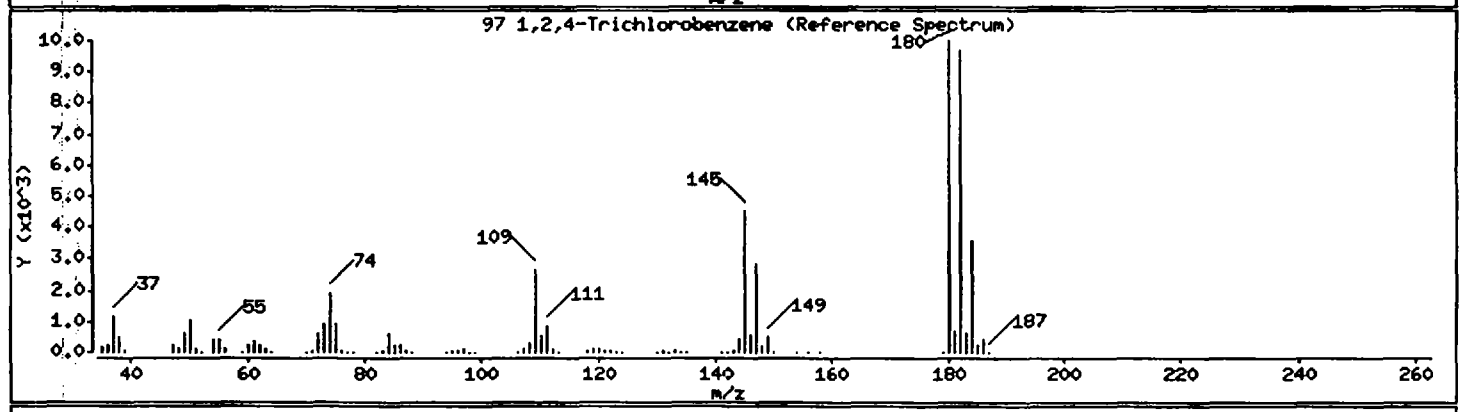
Purge Volume: 5.0 | Operator: 2323

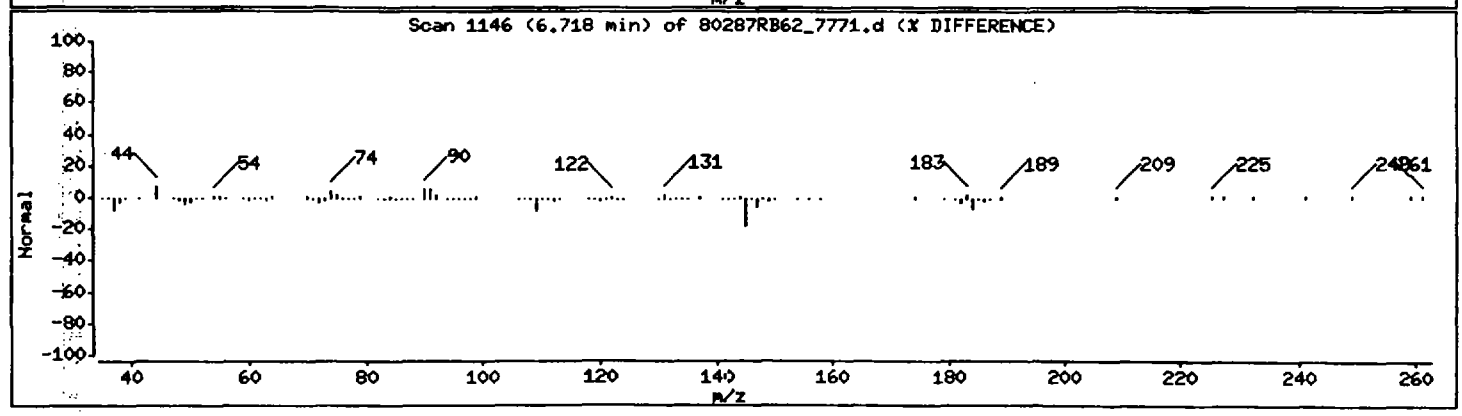
Column phase: RTX-VMS | Column diameter: 0.18

97 1,2,4-Trichlorobenzene | Concentration: 1.9 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Report Date: 23-Sep-2005 07:22

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80287RB62_7771.d
Lab Smp Id: 80287 Client Smp ID: VBLKAK
Inj Date : 22-SEP-2005 19:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80287:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 8 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 -

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.

VAKLCS

b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	35	
74-87-3	Chloromethane	45	
75-01-4	Vinyl Chloride	45	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	46	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	38	
75-15-0	Carbon disulfide	32	
76-13-1	1,1,2-trichloro-1,2,2-triflu	47	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	42	
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl-tert-butyl ether	42	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	120	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon Tetrachloride	44	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	130	
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.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7771

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

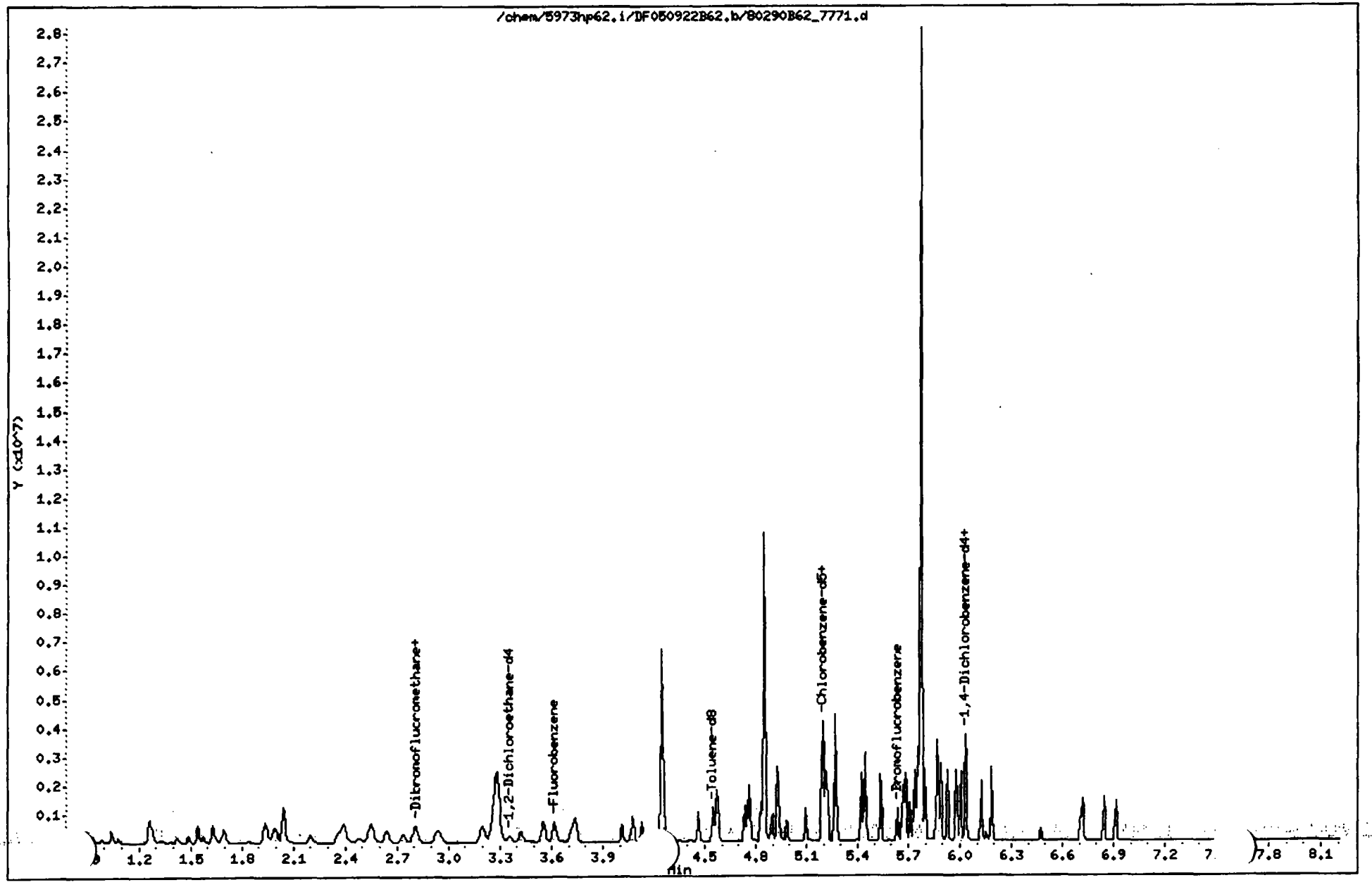
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	54	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	55	
106-46-7	1,4-Dichlorobenzene	56	
95-50-1	1,2-Dichlorobenzene	55	
96-12-8	1,2-Dibromo-3-Chloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	58	B
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	43	
110-82-7	Cyclohexane	43	
108-87-2	Methylcyclohexane	50	

FORM I VOA

Data File: /chem/5973hp62.i/DF050922B62.b/80290B62_7771.d
Date : 22-SEP-2005 19:53
Client ID: VAKLCS
Sample Info: 80290:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80290B62_7771.d
Report Date: 23-Sep-2005 06:56

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80290B62_7771.d
Lab Smp Id: 80290 Client Smp ID: VAKLCS
Inj Date : 22-SEP-2005 19:53
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80290:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.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	3.621	3.620	(1.000)	550976	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	456960	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	237814	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	144371	202.928	41
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	130386	185.803	37
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	442634	232.399	46
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	185199	235.396	47
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	77382	177.485	35
9 Chloromethane	50	0.779	0.773	(0.215)	174783	226.120	45
10 Vinyl Chloride	62	0.806	0.806	(0.223)	131933	224.964	45
11 Bromomethane	94	0.937	0.937	(0.259)	72807	209.176	42
12 Chloroethane	64	0.986	0.986	(0.272)	63784	227.527	46
13 Trichlorofluoromethane	101	1.040	1.046	(0.287)	195696	280.923	56
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	90491	189.484	38
17 Acetone	43	1.574	1.574	(0.435)	171702	652.861	130

AMH 9-27-5

Data File: /chem/5973hp62.i/DF050922B62.b/80290B62_7771.d
Report Date: 23-Sep-2005 06:56

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	1.280	1.280	(0.353)	110316	237.466	47
20 Carbon disulfide	76	1.269	1.269	(0.350)	198149	160.635	32
23 Methyl acetate	43	1.645	1.644	(0.454)	145085	214.234	43
24 Methylene Chloride	84	1.541	1.546	(0.426)	169782	210.335	42
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	143814	209.928	42
28 Methyl-tert-butyl ether	73	1.694	1.699	(0.468)	345867	207.591	42
29 1,1-Dichloroethane	63	1.998	2.004	(0.552)	262789	203.526	41
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	189067	225.420	45
37 2-butanone	43	2.951	2.956	(0.815)	217192	607.767	120
40 Chloroform	83	2.641	2.641	(0.729)	341527	230.090	46
41 1,1,1-Trichloroethane	97	2.804	2.809	(0.774)	248930	225.158	45
42 Cyclohexane	56	2.543	2.543	(0.702)	164774	216.659	43
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	180951	221.993	44
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	256543	230.296	46
47 Benzene	78	3.201	3.201	(0.884)	643569	223.106	45
48 Trichloroethene	130	3.746	3.746	(1.035)	192281	215.111	43
49 Methylcyclohexane	83	3.724	3.724	(1.029)	190105	249.872	50
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	191513	231.733	46
54 Bromodichloromethane	83	4.132	4.132	(1.141)	264002	240.181	48
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	299468	256.292	51
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	526590	689.596	140
58 Toluene	92	4.573	4.573	(0.881)	437604	249.893	50
59 trans-1,3-Dichloropropene	75	4.764	4.769	(0.918)	269242	260.750	52
1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	210343	264.019	53
d Tetrachloroethene	164	4.737	4.736	(0.913)	153786	262.327	52
64 2-hexanone	43	5.096	5.096	(0.982)	347261	672.997	130
65 Dibromochloromethane	129	4.900	4.900	(0.944)	264044	272.059	54
66 1,2-Dibromoethane	107	4.981	4.987	(0.960)	238963	264.233	53
67 Chlorobenzene	112	5.194	5.194	(1.001)	548146	253.379	51
70 Ethylbenzene	106	5.210	5.215	(1.004)	267679	257.701	52
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	655765	505.280	100
74 o-Xylene (part of total)	106	5.422	5.428	(1.045)	343802	261.035	52
75 Styrene	104	5.444	5.444	(1.049)	576317	269.490	54
76 Bromoform	173	5.450	5.450	(1.050)	201403	275.544	55
78 Isopropyl Benzene	105	5.754	5.760	(1.109)	632845	260.849	52
79 1,1,2,2-Tetrachloroethane	83	5.711	5.716	(0.947)	283911	288.195	58
91 1,3-Dichlorobenzene	146	6.005	6.010	(0.995)	457619	275.991	55
93 1,4-Dichlorobenzene	146	6.038	6.043	(1.001)	477703	278.611	56
94 1,2-Dichlorobenzene	146	6.184	6.190	(1.025)	460007	272.778	55
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.484	(1.073)	60117	295.390	59
97 1,2,4-Trichlorobenzene	180	6.723	6.734	(1.115)	221714	288.668	58
M 102 Xylene (total)	106				999567	766.315	150

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAJLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80289

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80289A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	49	
74-87-3	Chloromethane	47	
75-01-4	Vinyl Chloride	52	
74-83-9	Bromomethane	32	
75-00-3	Chloroethane	22	
75-69-4	Trichlorofluoromethane	53	
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	57	
67-64-1	Acetone	85	
75-09-2	Methylene Chloride	55	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl-tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	150	
67-66-3	Chloroform	55	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon Tetrachloride	56	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	55	
79-01-6	Trichloroethene	56	
78-87-5	1,2-Dichloropropane	55	
75-27-4	Bromodichloromethane	57	
10061-01-5	cis-1,3-Dichloropropene	56	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	58	
127-18-4	Tetrachloroethene	59	
591-78-6	2-hexanone	140	
124-48-1	Dibromochloromethane	58	
106-93-4	1,2-Dibromoethane	60	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAJLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80289

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80289A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

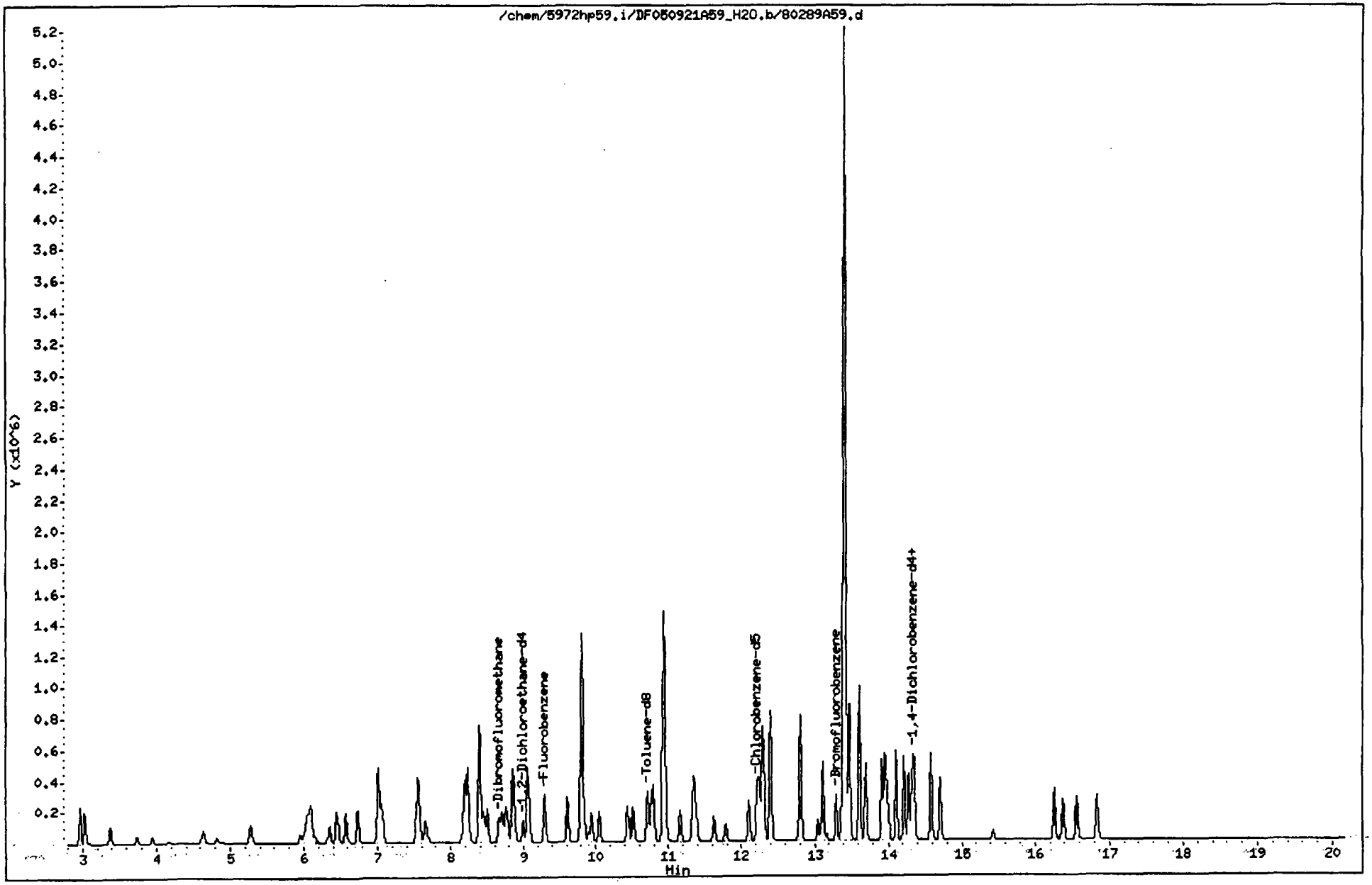
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	57	
100-41-4	Ethylbenzene	58	
100-42-5	Styrene	58	
75-25-2	Bromoform	62	
98-82-8	Isopropyl Benzene	61	
79-34-5	1,1,2,2-Tetrachloroethane	59	
541-73-1	1,3-Dichlorobenzene	59	
106-46-7	1,4-Dichlorobenzene	60	
95-50-1	1,2-Dichlorobenzene	60	
96-12-8	1,2-Dibromo-3-Chloropropane	65	
120-82-1	1,2,4-Trichlorobenzene	63	
1330-20-7	Xylene (total)	180	
79-20-9	Methyl acetate	63	
110-82-7	Cyclohexane	56	
108-87-2	Methylcyclohexane	62	

FORM I VOA

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80289A59.d
Date : 21-SEP-2005 14:32
Client ID: VAJLCS
Sample Info: 80289:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80289A59.d
Report Date: 22-Sep-2005 08:21

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050921A59_H2O.b/80289A59.d
Lab Smp Id: 80289 Client Smp ID: VAJLCS
Inj Date : 21-SEP-2005 14:32
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80289:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050921A59_H2O.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 07:15 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.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	9.285	9.281	(1.000)	366187	250.000	
* 2 Chlorobenzene-d5	117	12.217	12.213	(1.000)	245992	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.328	(1.000)	127035	250.000	
$ 4 Dibromofluoromethane	113	8.656	8.652	(0.932)	111907	246.829	49
$ 5 1,2-Dichloroethane-d4	65	8.990	8.986	(0.968)	105962	234.157	47
$ 6 Toluene-d8	98	10.712	10.708	(0.877)	318689	237.012	47
$ 7 Bromofluorobenzene	95	13.299	13.295	(0.928)	130939	235.491	47
8 Dichlorodifluoromethane	85	3.373	3.369	(0.363)	125057	245.943	49
9 Chloromethane	50	3.737	3.733	(0.402)	59208	236.106	47
10 Vinyl Chloride	62	3.953	3.949	(0.426)	57509	259.019	52
11 Bromomethane	94	4.632	4.628	(0.499)	65066	158.344	32
12 Chloroethane	64	4.819	4.825	(0.519)	34376	111.171	22
13 Trichlorofluoromethane	101	5.272	5.277	(0.568)	161537	264.905	53
15 1,1-Dichloroethene	96	6.098	6.104	(0.657)	98436	270.710	54
17 Acetone	43	6.147	6.143	(0.662)	35478	427.315	85

9-22-

Data File: /chem/5972hp59.i/DF050921A59_H2O.b/80289A59.d
Report Date: 22-Sep-2005 08:21

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	6.059	6.064	(0.652)	128276	283.227	57
20 Carbon disulfide	76	6.452	6.448	(0.695)	375657	270.378	54
23 Methyl acetate	43	6.570	6.566	(0.708)	64109	313.773	63
24 Methylene Chloride	84	6.737	6.733	(0.726)	123479	275.147	55
26 trans-1,2-Dichloroethene	96	7.062	7.058	(0.761)	113802	272.121	54
28 Methyl-tert-butyl ether	73	7.013	7.018	(0.755)	247765	278.706	56
29 1,1-Dichloroethane	63	7.564	7.559	(0.815)	198749	270.806	54
33 cis-1,2-Dichloroethene	96	8.193	8.189	(0.882)	121077	278.357	56
37 2-butanone	43	8.164	8.160	(0.879)	99295	743.061	150
40 Chloroform	83	8.498	8.494	(0.915)	209407	272.932	55
41 1,1,1-Trichloroethane	97	8.705	8.701	(0.937)	169104	279.059	56
42 Cyclohexane	56	8.764	8.760	(0.944)	151759	279.422	56
44 Carbon Tetrachloride	117	8.872	8.868	(0.956)	140021	279.887	56
45 1,2-Dichloroethane	62	9.059	9.055	(0.976)	139585	277.440	55
47 Benzene	78	9.059	9.055	(0.976)	401505	270.354	54
48 Trichloroethene	130	9.610	9.616	(1.035)	109916	281.949	56
49 Methylcyclohexane	83	9.787	9.783	(1.054)	152781	308.085	62
50 1,2-Dichloropropane	63	9.817	9.812	(1.057)	99378	274.246	55
54 Bromodichloromethane	83	10.053	10.048	(1.083)	152849	283.998	57
56 cis-1,3-Dichloropropene	75	10.436	10.442	(1.124)	177814	280.899	56
57 4-Methyl-2-pentanone	43	10.515	10.511	(0.861)	219455	721.717	140
58 Toluene	92	10.781	10.776	(0.882)	251821	275.445	55
59 trans-1,3-Dichloropropene	75	10.948	10.944	(0.896)	147902	268.445	54
60 1,1,2-Trichloroethane	97	11.164	11.160	(0.914)	88777	287.671	58
63 Tetrachloroethene	164	11.361	11.357	(0.930)	83746	294.376	59
64 2-hexanone	43	11.332	11.327	(0.928)	150166	724.224	140
65 Dibromochloromethane	129	11.627	11.623	(0.952)	112721	288.401	58
66 1,2-Dibromoethane	107	11.784	11.780	(0.965)	102450	298.729	60
67 Chlorobenzene	112	12.247	12.242	(1.002)	265452	283.026	57
70 Ethylbenzene	106	12.296	12.291	(1.006)	134701	292.106	58
72 m,p-Xylene (part of total)	106	12.394	12.400	(1.014)	331234	582.597	120
74 o-Xylene (part of total)	106	12.797	12.793	(1.048)	162073	296.383	59
75 Styrene	104	12.807	12.803	(1.048)	270811	290.639	58
76 Bromoform	173	13.053	13.049	(1.068)	75203	308.883	62
78 Isopropyl Benzene	105	13.112	13.108	(1.073)	430890	305.147	61
79 1,1,2,2-Tetrachloroethane	83	13.378	13.374	(0.933)	142420	293.473	59
91 1,3-Dichlorobenzene	146	14.283	14.279	(0.997)	215973	297.299	59
93 1,4-Dichlorobenzene	146	14.352	14.348	(1.001)	228231	298.376	60
94 1,2-Dichlorobenzene	146	14.706	14.702	(1.026)	203194	300.212	60
96 1,2-Dibromo-3-Chloropropane	157	15.434	15.430	(1.077)	22111	325.691	65
97 1,2,4-Trichlorobenzene	180	16.260	16.256	(1.135)	145619	314.605	63
M 102 Xylene (total)	106				493307	878.980	180

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.

ACSGWMW1726MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80292

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80292B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.4	J
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	44	
75-15-0	Carbon disulfide	37	
76-13-1	1,1,2-trichloro-1,2,2-triflu	53	
67-64-1	Acetone	25	
75-09-2	Methylene Chloride	41	
156-60-5	trans-1,2-Dichloroethene	45	
1634-04-4	Methyl-tert-butyl ether	32	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-butanone	13	U
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	49	
56-23-5	Carbon Tetrachloride	50	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	42	
79-01-6	Trichloroethene	45	
78-87-5	1,2-Dichloropropane	44	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	37	
79-00-5	1,1,2-Trichloroethane	44	
127-18-4	Tetrachloroethene	56	
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	45	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MS

Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80292

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80292B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

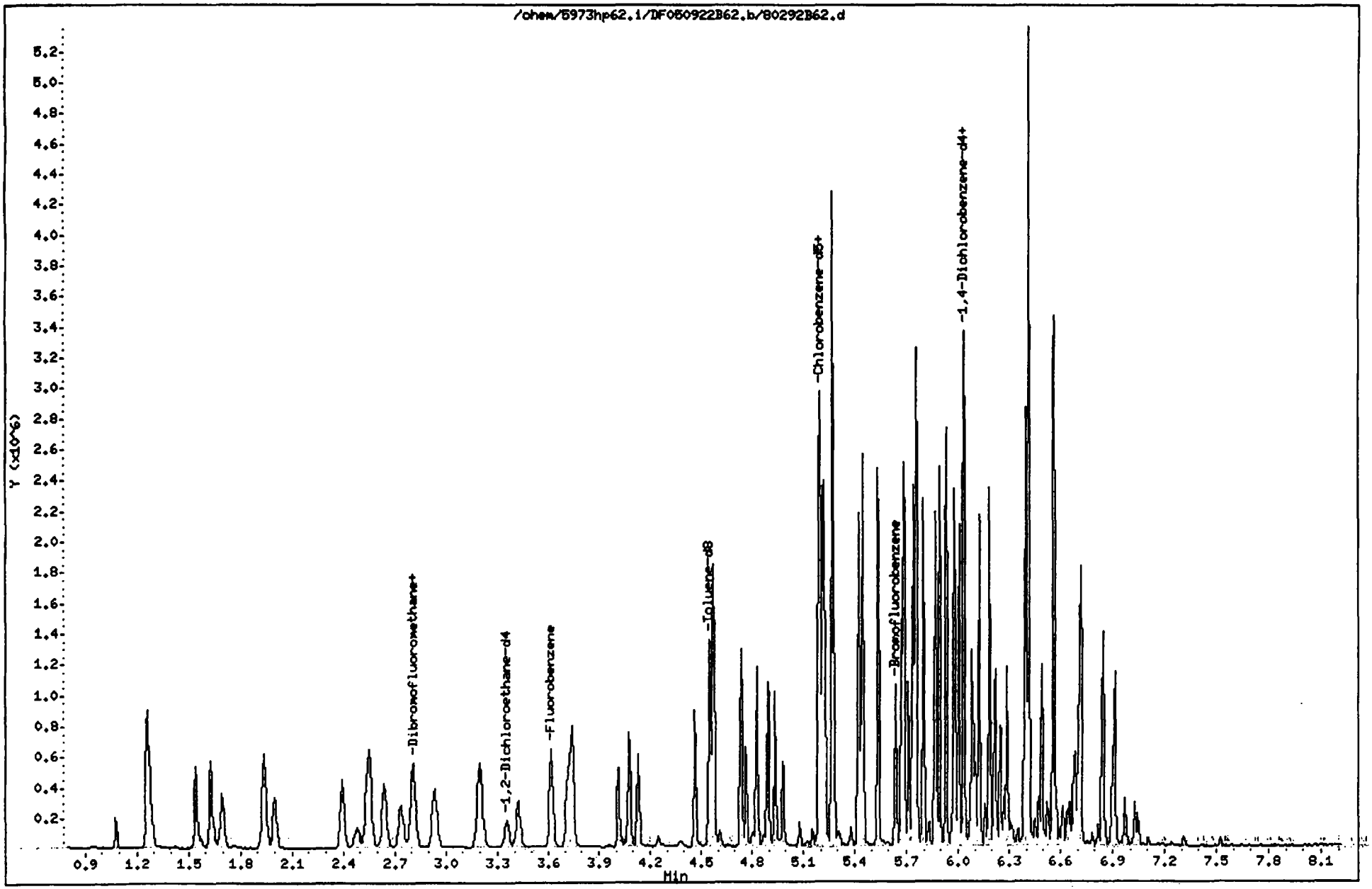
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	53	
100-42-5	Styrene	50	
75-25-2	Bromoform	42	
98-82-8	Isopropyl Benzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	47	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
120-82-1	1,2,4-Trichlorobenzene	50	B
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	25	
110-82-7	Cyclohexane	50	
108-87-2	Methylcyclohexane	51	

FORM I VOA

Data File: /chem/5973hp62.i/DF050922B62.b/80292B62.d
Date : 22-SEP-2005 21:52
Client ID: ACSGWMW1726MS
Sample Info: 80292:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80292B62.d
Report Date: 26-Sep-2005 02:16

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80292B62.d
Lab Smp Id: 80292 Client Smp ID: ACSGWMW1726MS
Inj Date : 22-SEP-2005 21:52
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80292:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 26-Sep-2005 02:14 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 18 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	3.620	3.620	(1.000)	524228	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	427398	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	226555	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	137012	202.411	40
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	126329	189.207	38
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	427030	239.714	48
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	176847	235.951	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	0.806	0.806	(0.223)	4014	7.19365	1.4(a)
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	100345	220.839	44
17 Acetone	43	1.574	1.574	(0.435)	30777	122.994	25

Data File: /chem/5973hp62.i/DF050922B62.b/80292B62.d
Report Date: 26-Sep-2005 02:16

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	1.280	1.280	(0.353)	116662	267.331	53
20 Carbon disulfide	76	1.269	1.269	(0.350)	215030	183.215	37
23 Methyl acetate	43	1.644	1.644	(0.454)	87112	125.265	25
24 Methylene Chloride	84	1.541	1.546	(0.426)	159237	207.337	41
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	146994	225.518	45
28 Methyl-tert-butyl ether	73	1.693	1.699	(0.468)	252050	159.001	32
29 1,1-Dichloroethane	63	1.998	2.004	(0.552)	253070	205.999	41
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	184778	231.547	46
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	2.641	2.641	(0.729)	321110	227.373	45
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	257750	245.031	49
42 Cyclohexane	56	2.543	2.543	(0.702)	177839	249.711	50
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	193281	249.218	50
45 1,2-Dichloroethane	62	3.424	3.425	(0.946)	221211	208.711	42
47 Benzene	78	3.201	3.201	(0.884)	623780	227.280	45
48 Trichloroethene	130	3.746	3.746	(1.035)	191959	225.708	45
49 Methylcyclohexane	83	3.718	3.724	(1.027)	185436	256.834	51
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	172578	219.476	44
54 Bromodichloromethane	83	4.132	4.132	(1.141)	231830	221.673	44
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	236161	212.425	42
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	4.573	4.573	(0.881)	416966	254.577	51
59 trans-1,3-Dichloropropene	75	4.764	4.769	(0.918)	171774	184.841	37
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	163923	219.985	44
63 Tetrachloroethene	164	4.736	4.736	(0.913)	152425	278.701	56
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	4.900	4.900	(0.944)	208085	229.231	46
66 1,2-Dibromoethane	107	4.981	4.987	(0.960)	192145	227.159	45
67 Chlorobenzene	112	5.194	5.194	(1.001)	501969	248.083	50
70 Ethylbenzene	106	5.210	5.215	(1.004)	256096	263.603	53
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	625716	515.474	100
74 o-Xylene (part of total)	106	5.428	5.428	(1.046)	310903	252.383	50
75 Styrene	104	5.444	5.444	(1.049)	504944	252.447	50
76 Bromoform	173	5.449	5.450	(1.050)	144915	211.975	42
78 Isopropyl Benzene	105	5.754	5.760	(1.109)	597328	263.239	53
79 1,1,2,2-Tetrachloroethane	83	5.711	5.716	(0.947)	221261	235.761	47
91 1,3-Dichlorobenzene	146	6.005	6.010	(0.995)	397814	251.846	50
93 1,4-Dichlorobenzene	146	6.037	6.043	(1.001)	416180	254.792	51
94 1,2-Dichlorobenzene	146	6.184	6.190	(1.025)	422831	263.194	53
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.484	(1.073)	41618	214.656	43
97 1,2,4-Trichlorobenzene	180	6.718	6.734	(1.114)	182985	250.083	50
M 102 Xylene (total)	106				936619	767.858	150

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.

ACSGWMW1726MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80293

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80293B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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	60	
75-15-0	Carbon disulfide	49	
76-13-1	1,1,2-trichloro-1,2,2-triflu	76	
67-64-1	Acetone	37	
75-09-2	Methylene Chloride	56	
156-60-5	trans-1,2-Dichloroethene	60	
1634-04-4	Methyl-tert-butyl ether	41	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	62	
78-93-3	2-butanone	13	U
67-66-3	Chloroform	62	
71-55-6	1,1,1-Trichloroethane	65	
56-23-5	Carbon Tetrachloride	67	
71-43-2	Benzene	61	
107-06-2	1,2-Dichloroethane	60	
79-01-6	Trichloroethene	61	
78-87-5	1,2-Dichloropropane	61	
75-27-4	Bromodichloromethane	62	
10061-01-5	cis-1,3-Dichloropropene	60	
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	70	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	63	
127-18-4	Tetrachloroethene	76	
591-78-6	2-hexanone	13	U
124-48-1	Dibromochloromethane	67	
106-93-4	1,2-Dibromoethane	66	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 80293

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80293B62

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

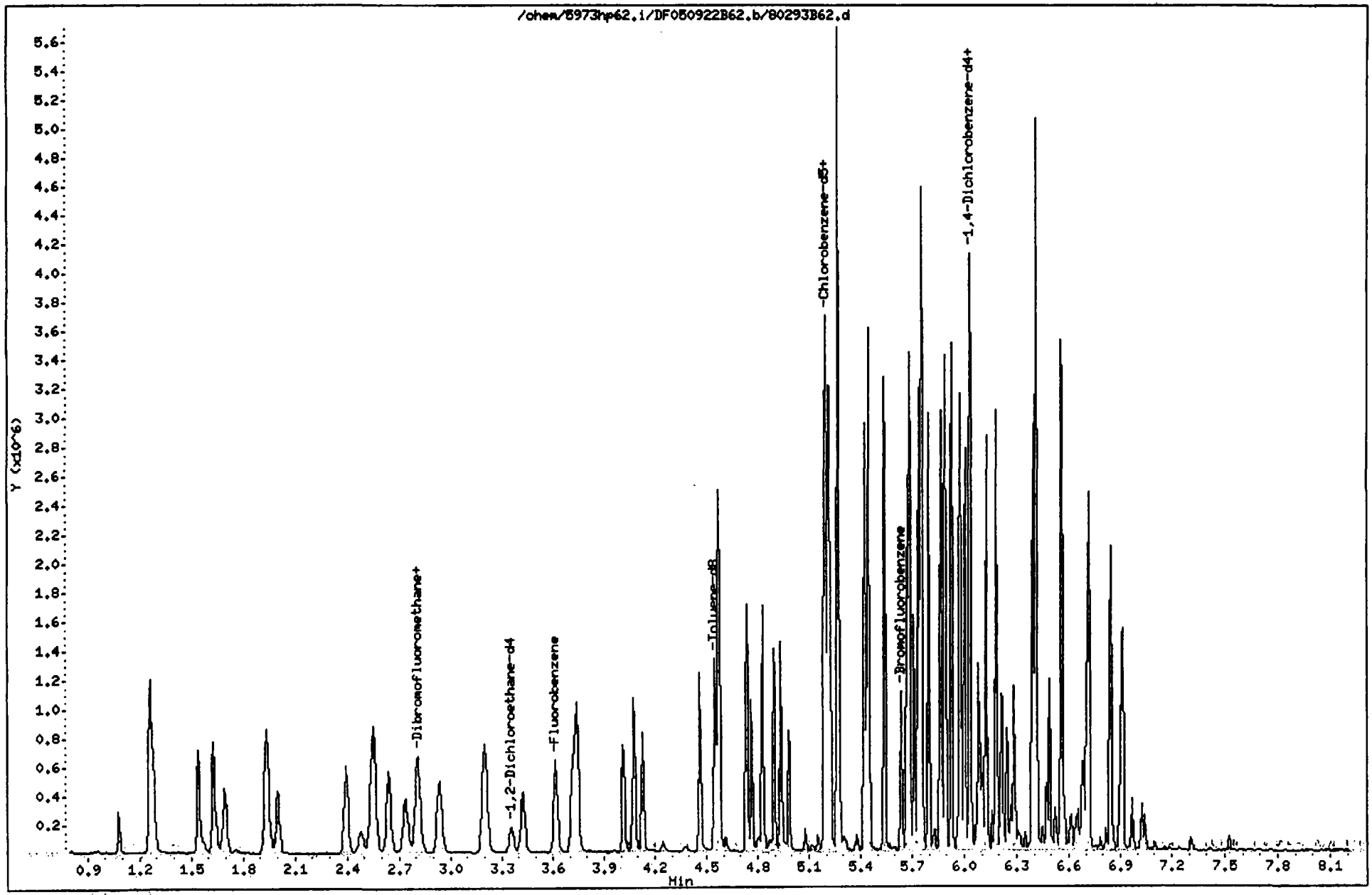
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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	68	
100-41-4	Ethylbenzene	71	
100-42-5	Styrene	69	
75-25-2	Bromoform	64	
98-82-8	Isopropyl Benzene	73	
79-34-5	1,1,2,2-Tetrachloroethane	72	
541-73-1	1,3-Dichlorobenzene	70	
106-46-7	1,4-Dichlorobenzene	70	
95-50-1	1,2-Dichlorobenzene	73	
96-12-8	1,2-Dibromo-3-Chloropropane	70	
120-82-1	1,2,4-Trichlorobenzene	77	B
1330-20-7	Xylene (total)	210	
79-20-9	Methyl acetate	37	
110-82-7	Cyclohexane	68	
108-87-2	Methylcyclohexane	70	

Data File: /chem/5973hp62.i/DF050922B62.b/80293B62.d
Date : 22-SEP-2005 22:22
Client ID: ACSGWMW1726MSD
Sample Info: 80293:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80293B62.d
Report Date: 26-Sep-2005 02:15

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80293B62.d
Lab Smp Id: 80293 Client Smp ID: ACSGWMW1726MSD
Inj Date : 22-SEP-2005 22:22
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80293:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 26-Sep-2005 02:14 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 20 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	3.621	3.620	(1.000)	529887	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	427657	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	223497	250.000	
$	4 Dibromofluoromethane	113	2.810	2.809	(0.776)	135195	197.593	40
$	5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	125005	185.225	37
$	6 Toluene-d8	98	4.552	4.551	(0.877)	431677	242.176	48
$	7 Bromofluorobenzene	95	5.635	5.640	(0.934)	176671	238.941	48
	8 Dichlorodifluoromethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	5300	9.39690	1.9(a)
	11 Bromomethane	94	Compound Not Detected.					
	12 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	137737	299.894	60
	17 Acetone	43	1.574	1.574	(0.435)	46911	185.468	37

Data File: /chem/5973hp62.i/DF050922B62.b/80293B62.d
Report Date: 26-Sep-2005 02:15

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	1.280	1.280	(0.354)	161600	377.615	76
20 Carbon disulfide	76	1.269	1.269	(0.350)	292153	246.268	49
23 Methyl acetate	43	1.645	1.644	(0.454)	121847	183.670	37
24 Methylene Chloride	84	1.541	1.546	(0.426)	216465	278.842	56
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	198631	301.484	60
28 Methyl-tert-butyl ether	73	1.694	1.699	(0.468)	330586	206.316	41
29 1,1-Dichloroethane	63	1.999	2.004	(0.552)	328992	264.940	53
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	249271	309.028	62
37 2-butanone	43	Compound Not Detected.					
40 Chloroform	83	2.641	2.641	(0.729)	444447	311.346	62
41 1,1,1-Trichloroethane	97	2.810	2.809	(0.776)	348096	327.384	65
42 Cyclohexane	56	2.543	2.543	(0.702)	236774	338.219	68
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	264275	337.119	67
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	320418	299.084	60
47 Benzene	78	3.202	3.201	(0.884)	848991	306.034	61
48 Trichloroethene	130	3.746	3.746	(1.035)	260480	303.005	61
49 Methylcyclohexane	83	3.724	3.724	(1.029)	248433	348.962	70
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	243673	306.582	61
54 Bromodichloromethane	83	4.132	4.132	(1.141)	330005	312.177	62
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	336252	299.225	60
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene	92	4.573	4.573	(0.881)	573555	349.970	70(R)
59 trans-1,3-Dichloropropene	75	4.764	4.769	(0.918)	267611	275.567	55
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	233336	312.947	63
63 Tetrachloroethene	164	4.737	4.736	(0.913)	206739	382.018	76
64 2-hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	4.894	4.900	(0.943)	303106	333.706	67
66 1,2-Dibromoethane	107	4.982	4.987	(0.960)	279785	330.569	66
67 Chlorobenzene	112	5.194	5.194	(1.001)	688711	340.169	68(R)
70 Ethylbenzene	106	5.210	5.215	(1.004)	344026	353.897	71
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	848948	698.953	140
74 o-Xylene (part of total)	106	5.428	5.428	(1.046)	430517	349.271	70
75 Styrene	104	5.444	5.444	(1.049)	694499	347.004	69
76 Bromoform	173	5.450	5.450	(1.050)	220575	322.452	64
78 Isopropyl Benzene	105	5.755	5.760	(1.109)	825707	363.664	73
79 1,1,2,2-Tetrachloroethane	83	5.711	5.716	(0.947)	334209	360.984	72
91 1,3-Dichlorobenzene	146	6.005	6.010	(0.995)	549258	352.479	70
93 1,4-Dichlorobenzene	146	6.038	6.043	(1.001)	566473	351.548	70
94 1,2-Dichlorobenzene	146	6.185	6.190	(1.025)	576093	363.499	73
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.484	(1.073)	67141	351.037	70
97 1,2,4-Trichlorobenzene	180	6.718	6.734	(1.114)	276982	383.727	77
M 102 Xylene (total)	106				1279465	1048.22	210

QC Flag Legend

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

Data File: /chem/5973hp62.i/DF050922B62.b/80293B62.d
Report Date: 26-Sep-2005 02:15

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS-89

Collection Date: September 20 through September 21, 2005

LDC Report Date: October 26, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: CompuChem

Sample Delivery Group (SDG): 7771

Sample Identification

ACSGWMW1126
ACSGWMW2326
ACSGWMW0826
ACSGWMW3126
ACSGWMW3226**
ACSGWDUP0126
ACSGWMW2826
ACSGWMW1726
ACSGWMW4226
ACSGWMW4326**
ACSGWTB0126
ACSGWMW4526
ACSGWEB0126
ACSGWMW4426
ACSGWMW5126**
ACSGWMW3026
ACSGWMW3326
ACSGWMW5226
ACSGWMW5326**
ACSGWDUP0226
ACSGWMW1726MS
ACSGWMW1726MSD

**Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 22 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
9/21/05	1,2-Dibromo-3-chloropropane	28.06	ACSGWMW1126 ACSGWMW2326 ACSGWMW0826 ACSGWMW3126 ACSGWMW3226** ACSGWDUP0126 ACSGWMW2826 ACSGWMW1726 ACSGWMW4226 ACSGWMW4326** ACSGWTB0126 VBLKAJ	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
9/22/05	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether 1,2,4-Trichlorobenzene	33.76 31.37 37.86 35.07	ACSGWMW4526 ACSGWEB0126 ACSGWMW4426 ACSGWMW5126** ACSGWMW3026 ACSGWMW3326 ACSGWMW5226 ACSGWMW5326** ACSGWDUP0226 ACSGWMW1726MS ACSGWMW1726MSD VBLKAK	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 with the following exceptions:

Method Blank ID	Analysis Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
VBLKAK	9/22/05	1,2,4-Trichlorobenzene	1.9 ug/L	ACSGWMW4526 ACSGWEB0126 ACSGWMW4426 ACSGWMW5126** ACSGWMW3026 ACSGWMW3326 ACSGWMW5226 ACSGWMW5326** ACSGWDUP0226

Sample concentrations were compared to concentrations detected in the method 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 method blanks.

Sample ACSGWTB0126 was identified as a trip blank. No volatile contaminants were found in this blank.

Sample ACSGWEB0126 was identified as a 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 with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
VBLKAK	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 75 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWEB0126	1,2-Dichloroethane-d4	74 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW4526	Dibromofluoromethane 1,2-Dichloroethane-d4	76 (80-120) 75 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW4426	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 78 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW5126**	1,2-Dichloroethane-d4	79 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW3026	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 76 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW3326	Dibromofluoromethane 1,2-Dichloroethane-d4	76 (80-120) 76 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW5226	Dibromofluoromethane 1,2-Dichloroethane-d4	76 (80-120) 78 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW5326**	Dibromofluoromethane 1,2-Dichloroethane-d4	79 (80-120) 78 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWDUP0226	Dibromofluoromethane 1,2-Dichloroethane-d4	77 (80-120) 75 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P

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 with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
ACSGWMW1726MS/MSD (ACSGWMW1726)	1,1-Dichloroethene Benzene Trichloroethene Toluene Chlorobenzene	- - - - -	- - - - -	30 (≤14) 30 (≤11) 29 (≤14) 32 (≤13) 31 (≤13)	J (all detects) UJ (all non-detects)	A

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 for samples on which a EPA Level IV review was performed. 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 ACSGWMW3226** and ACSGWDUP0126 and samples ACSGWMW5326** and ACSGWDUP0226 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	ACSGWMW5326**	ACSGWDUP0226	
Benzene	7.6	7.5	1

ACS-89
Volatiles - Data Qualification Summary - SDG 7771

SDG	Sample	Compound	Flag	A or P	Reason
7771	ACSGWMW1126 ACSGWMW2326 ACSGWMW0826 ACSGWMW3126 ACSGWMW3226** ACSGWDUP0126 ACSGWMW2826 ACSGWMW1726 ACSGWMW4226 ACSGWMW4326** ACSGWTB0126	1,2-Dibromo-3-chloropropane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7771	ACSGWMW4526 ACSGWEB0126 ACSGWMW4426 ACSGWMW5126** ACSGWMW3026 ACSGWMW3326 ACSGWMW5226 ACSGWMW5326** ACSGWDUP0226	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether 1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7771	ACSGWEB0126 ACSGWMW4526 ACSGWMW4426 ACSGWMW5126** ACSGWMW3026 ACSGWMW3326 ACSGWMW5226 ACSGWMW5326** ACSGWDUP0226	All TCL compounds	J (all detects) UJ (all non-detects)	P	Surrogate recovery (%R)
7771	ACSGWMW1726	1,1-Dichloroethene Benzene Trichloroethene Toluene Chlorobenzene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)

ACS-89
Volatiles - Laboratory Blank Data Qualification Summary - SDG 7771

No Sample Data Qualified in this SDG

ACS-89
Volatiles - Field Blank Data Qualification Summary - SDG 7771

No Sample Data Qualified in this SDG

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0226

Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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	7.5	J
107-06-2	1,2-Dichloroethane	5.0	U UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10/28/

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777120

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777120B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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.	115-11-7	1-PROPENE, 2-METHYL-	0.78	5.8	NJ NJ
2.		UNKNOWN	1.07	6.0	J NJ
3.	109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ NJ
4.	123-91-1	1,4-DIOXANE	4.25	18	NJ NJ
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FORM I VOA-TIC

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/7/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777101A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/18/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 uJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777102A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0826

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777103A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

ACSGWMW3126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777104A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777105A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0126

Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0126

ıb Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777106A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2826

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2826

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2826

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777107A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.
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FORM I VOA-TIC

10/24/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U UJ
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 UJ
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

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1726

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
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 I VOA

10/26

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1726

b Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777108A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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.
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	J
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

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	2.5	J
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	2.2	J
95-50-1	1,2-Dichlorobenzene	3.1	J
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777109

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777109A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	135-01-3	BENZENE, 1,2-DIETHYL-	14.46	31	NJ
2.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.80	27	NJ
3.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	14.90	20	NJ
4.	3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	15.07	24	NJ
5.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	15.33	130	NJ
6.	2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	15.65	27	NJ
7.	874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	15.76	30	NJ
8.	767-58-8	INDAN, 1-METHYL-	15.81	75	NJ
9.	13632-94-5	BENZENE, 1,4-DIETHYL-2-METHY	16.12	22	NJ
10.	101-84-8	DIPHENYL ETHER	19.19	19	NJ
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

10/26/6

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777110

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777110A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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

MM 10/3/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 I VOA

6/10/3/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777111

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777111A59

Level: (low/med) LOW Date Received: 09/21/05

% Moisture: not dec. _____ Date Analyzed: 09/21/05

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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	UJ
74-87-3	Chloromethane	5.0	U	↓
75-01-4	Vinyl Chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	UJ
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	UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	15	
100-41-4	Ethylbenzene	5.0	U UJ
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	1.3	J J
95-50-1	1,2-Dichlorobenzene	1.7	J
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U UJ
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
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777112

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777112B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777113

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777113B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4426

.b Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4426

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777114

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777114B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 US
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5126

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777115

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777115B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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.	115-11-7	1-PROPENE, 2-METHYL-	0.78	6.1	NJ NJ
2.		UNKNOWN	0.92	13	J J
3.	0-00-0	ETHENE, ETHYLOXY-	1.18	3400	NJ NJ
4.		UNKNOWN	2.77	28	J J
5.	123-91-1	1,4-DIOXANE	4.25	7.1	NJ NJ
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	UJ
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	4.0	J	J
591-78-6	2-hexanone	13	U	UJ
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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

NJ

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3026

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777116

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777116B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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	1.18	8.9	NJ NJ
2.	123-91-1	1,4-DIOXANE	4.25	6.1	NJ NJ
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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

10/28

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW3326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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

US

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW3326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777117

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777117B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 109-99-9	FURAN, TETRAHYDRO-	2.77	130	NJ NJ
2. 123-91-1	1,4-DIOXANE	4.25	12	NJ NJ
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FORM I VOA-TIC

Probable

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777118

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777118B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.94	9.3	J
2. 0-00-0	ETHENE, ETHYLOXY-	1.18	3100	NJ
3. 123-91-1	1,4-DIOXANE	4.25	6.0	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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	7.6	J
107-06-2	1,2-Dichloroethane	5.0	U UJ
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

10/28/

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10 pages

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7771

Matrix: (soil/water) WATER Lab Sample ID: 777119

Sample wt/vol: 5 (g/ml) ML Lab File ID: 777119B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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. 115-11-7	1-PROPENE, 2-METHYL-	0.78	6.6	NJ NJ
2. 60-29-7	ETHYL ETHER	1.18	9.4	NJ
3. 109-99-9	FURAN, TETRAHYDRO-	2.77	42	NJ
4. 123-91-1	1,4-DIOXANE	4.25	18	NJ
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FORM I VOA-TIC

9/10/06

LDC #: 14145A1
SDG #: 7771
Laboratory: CompuChem

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 10/26/05
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: 9/20 → 9/21/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2 ≥ 0.990
IV.	Continuing calibration	SW	
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
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	A	Not reviewed for Level III validation.
XIII.	Tentitatively 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 = 5 + 6 D1 = 19 + 20
XVII.	Field blanks	ND	TB = 11 EB = 13

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	ACSGWMW1126	11	ACSGWTB0126	21	ACSGWMW1726MS	31	VBLKAJ
2	ACSGWMW2326	12	ACSGWMW4526	22	ACSGWMW1726MSD	32	VBLKAK
3	ACSGWMW0826	13	ACSGWEB0126	23		33	
4	ACSGWMW3126	14	ACSGWMW4426	24		34	
5	ACSGWMW3226** D	15	ACSGWMW5126**	25		35	
6	ACSGWDUP0126 D	16	ACSGWMW3026	26		36	
7	ACSGWMW2826	17	ACSGWMW3326	27		37	
8	ACSGWMW1726	18	ACSGWMW5226	28		38	
9	ACSGWMW4226	19	ACSGWMW5326** D1	29		39	
10	ACSGWMW4326**	20	ACSGWDUP0226 D1	30		40	

1 → 11 9/20/05
12 → 20 9/21/05

W IW

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: A
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
[illegible]				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
[illegible]				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
[illegible]				
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 > 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
[illegible]				
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) ≤ 25% and relative response factors (RRF) ≥ 0.05?		✓		
[illegible]				
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.		✓		
[illegible]				
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?	✓			
[illegible]				
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?		✓		
[illegible]				
Was an LCS analyzed for this SDG?	✓			

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS CHECKLIST

Reviewer:
2nd Reviewer:

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?	✓			
[illegible]				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
[illegible]				
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?	✓			
[illegible]				
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?	✓			
[illegible]				
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?	✓			
[illegible]				
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)?	✓			
[illegible]				
System performance was found to be acceptable.	✓			
[illegible]				
Overall assessment of data was found to be acceptable.	✓			
[illegible]				
Field duplicate pairs were identified in this SDG.				
Target compounds were detected in the field duplicates.				
[illegible]				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

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 chloride**	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 #: 14(A)
SDG #: 7711

VALIDATION FIND(S WORKSHEET
Continuing Calibration

Pag(1 of 1
Reviewer: B
2nd Reviewer: K

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
	9/21/05	8260CCV	MM	28.06		VBLKAJ,	J/UJ/A
	1150					1 → 11	
	9/22/05	8260CCV	JJ	33.76		VBLKAK,	
	1823		B	31.37		12 → 22	
			LL	37.86			
			KKK	35.07			

CONCAL1S

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 6 of 1
Reviewer: P
2nd Reviewer: R

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 Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/22/05
Conc. units: ug/L
Associated Samples: 12 → 20 (ND)

Compound	Blank ID	Sample Identification								
	VBLKAK									
~~Methylene chloride~~ KKK	1.9									
~~Acetone~~										
CRQL										

Blank analysis date:
Conc. units:
Associated Samples:

Compound	Blank ID	Sample Identification								
Methylene chloride										
Acetone										
CRQL										

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 14(A)
SDG #: 7171

VALIDATION FIND(S WORKSHEET
Surrogate Spikes

Pag(1 of 2
Reviewer: R
2nd Reviewer: R

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 all surrogate %R within QC limits?

Y N N/A If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R out of outside of criteria?

#	Date	Sample ID	Surrogate	%Recovery (Limits)	Qualifications
		VBLKAK	DFM	78 (80-120)	J/UJ/P
			DCE	75 ( )	
				( )	
		13	DCE	74 ( )	
				( )	
				( )	
		12	DFM	76 ( )	
			DCE	75 ( )	
				( )	
		14	↓	78 ( )	
			↓	78 ( )	
				( )	
		15	DCE	79 ( )	
				( )	
				( )	
		16	DFM	78 ( )	
			DCE	76 ( )	
				( )	
		17	↓	76 ( )	
			↓	76 ( )	
				( )	

	QC Limits (Soil)	QC Limits (Water)
SMC1 (TOL) = Toluene-d8	81-117	88-110
SMC2 (BFB) = Bromofluorobenzene	74-121	86-115
SMC3 (DCE) = 1,2-Dichloroethane-d4	80-120	80-120
SMC4 (DFM) = Dibromofluoromethane	80-120	86-118

SUR.1SB

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Surrogate Spikes

Reviewer: [illegible]
2nd Reviewer: [illegible]

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 all surrogate %R within QC limits?

Y (N) N/A If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R out of outside of criteria?

#	Date	Sample ID	Surrogate	%Recovery (Limits)	Qualifications
		18	DFM	76 (80 - 120)	J/UJ/P
			DCE	78 ( )	
				( )	
		19	↓	79 ( )	↓
			↓	78 ( )	
				( )	
		20	↓	77 ( )	↓
			↓	75 ( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	QC Limits (Soil)	QC Limits (Water)
SMC1 (TOL) = Toluene-d8	81-117	88-110
SMC2 (BFB) = Bromofluorobenzene	74-121	86-115
SMC3 (DCE) = 1,2-Dichloroethane-d4	80-120	80-120
SMC4 (DFM) = Dibromofluoromethane	80-120	86-118

LDC #: 141(.1
SDG #: 7771

VALIDATION FINDIN(WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page(1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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 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.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		21+22	H	( )	( )	30 (14)	8	J/UJ/A
			V	( )	( )	30 (11)	↓	↓
			S	( )	( )	29 (14)		
			CC	( )	( )	32 (13)		
			DD	( )	( )	31 (13)		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
H.	1,1-Dichloroethene	59-172%	≤ 22%	61-145%	≤ 14%
S.	Trichloroethene	62-137%	≤ 24%	71-120%	≤ 14%
V.	Benzene	66-142%	≤ 21%	76-127%	≤ 11%
CC.	Toluene	59-139%	≤ 21%	76-125%	≤ 13%
DD.	Chlorobenzene	60-133%	≤ 21%	75-130%	≤ 13%

LDC #: 14145A /
SDG #: 777 /

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer:
2nd reviewer:

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/L)		RPD
	19	20	
V	7.6	7.5	1

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 14146A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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 (2nd std)	Recalculated RRF (2nd std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	8260ICAL CRTX-VMS	9/12/05	Methylene chloride (1st internal standard)	0.33257	0.33257	0.36625774	0.36625774	6.606	6.606
			EE Trichlorethene (2nd internal standard)	~~0.35801~~ 0.50777	0.50777	0.56827607	0.5682761	8.557	8.557
			JJJ ~~Toluene~~ (3rd internal standard)	1.60267	1.60267	1.7727917	1.7727917	6.944	6.94
2	8260ICAL 3B-624	9/12/05	Methylene chloride (1st internal standard)	0.29585	0.2959	0.30638377	0.3064	3.725	3.725
			EE ~~Trichlorethene~~ (2nd internal standard)	0.44340	0.4434	0.4685104	0.4685	4.324	4.324
			JJJ ~~Toluene~~ (3rd internal standard)	1.27291	1.273	1.33198699	1.332	3.566	3.566
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.

INICLC.1SB

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: D
2nd Reviewer: A

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	8260CCV	9/21/05	Methylene chloride (1st internal standard)	0.30638	0.3331630	0.3332	8.74	8.74
			~~Trichlorethene~~ EE (2nd internal standard)	0.46865	0.5004	0.5004	6.78	6.78
			~~Toluene~~ JJ (3rd internal standard)	1.33198	1.4551816	1.455	9.25	9.25
2	8260CCV	9/22/05	Methylene chloride (1st internal standard)	0.36626	0.3186	0.3186	13.01	13.01
			~~Trichlorethene~~ EE (2nd internal standard)	0.56828	0.643861	0.6439	13.30	13.30
			~~Toluene~~ JJ (3rd internal standard)	1.77279	2.0832	2.0832	17.51	17.51
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 #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

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: #5

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	250.0	239.375	96	96	0
Bromofluorobenzene	↓	228.551	91	91	↓
1,2-Dichloroethane-d4	↓	244.257	98	98	↓
Dibromofluoromethane	↓	252.804	101	101	↓

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 #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

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 = I MSC - MSDC I * 2/(MSC + MSDC)

MSC = Matrix spike percent recovery; MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 21 + 22

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/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	44.17	59.98	88	88	120	120	30	30
Trichloroethene	↓	↓	↓	45.14	60.6	90	90	121	121	29	29
Benzene	↓	↓	↓	45.46	61.21	91	91	122	122	30	30
Toluene	↓	↓	↓	50.92	69.99	102	102	140	140	32	32
Chlorobenzene	↓	↓	↓	49.62	68.03	99	99	136	136	31	31

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.

MSDCLC.1SB

LDC #: 14(:A1
SDG #: 7771

VALIDATION FINDIN_S WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

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 = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: VA JLCS

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	54.14	NA	108	108				
Trichloroethene	↓	↓	56.39	↓	113	113				
Benzene			54.07		108	108				
Toluene			55.09		110	110				
Chlorobenzene			56.61		113	113	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.

LCSCLC.1SB

LDC #: 14145A1
SDG #: 7771

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer:
2nd reviewer:

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?

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

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. #19, V:

Conc. = (108067)(250)( )
(543506)(1.30886520)(5)( )

= 7.6 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

CompuChem

a division of Liberty Analytical Corp.

29-Sep-05

1414SB

CHAD SMITH
MONTGOMERY WATSON HARZA
175 WEST JACKSON BOULEVARD
SUITE 1900
Chicago, IL 606042814

Subject:
Report of Data-Project: ACS/NPL SITE Workorder: 7788

Attn.: CHAD SMITH

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,

Marlene J. Smith

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 717

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
778801	ACSGWMW54R26	7788	W	MWH	ACS/NPL SITE	
778802	ACSGWMW5526	7788	W	MWH	ACS/NPL SITE	
778803	ACSGWMW1526	7788	W	MWH	ACS/NPL SITE	
778804	ACSGWTB0226	7788	W	MWH	ACS/NPL SITE	
778805	ACSGWMW1426	7788	W	MWH	ACS/NPL SITE	
778806	ACSGWMW2926	7788	W	MWH	ACS/NPL SITE	
778807	ACSGWMW9R26	7788	W	MWH	ACS/NPL SITE	
778808	ACSGWMW1926	7788	W	MWH	ACS/NPL SITE	
778809	ACSGWMW0626	7788	W	MWH	ACS/NPL SITE	
778810	ACSGWDUP0326	7788	W	MWH	ACS/NPL SITE	
778811	ACSGWMW48-26	7788	W	MWH	ACS/NPL SITE	
778812	ACSGWMW4926	7788	W	MWH	ACS/NPL SITE	
778813	ACSGWMW10C26	7788	W	MWH	ACS/NPL SITE	
778814	ACSGWMW5626	7788	W	MWH	ACS/NPL SITE	
778815	ACSGWTB0326	7788	W	MWH	ACS/NPL SITE	
778816	ACSGWEB0326	7788	W	MWH	ACS/NPL SITE	
778817	ACSGWEB0226	7788	W	MWH	ACS/NPL SITE	

SAMPLE DATA SUMMARY PACKAGE

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 # :	7788

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 # 7788
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWMW54R26, ACSGWMW5526, ACSGWMW1526, ACSGWTB0226, ACSGWMW1426, ACSGWMW2926, ACSGWMW9R26, ACSGWMW1926, ACSGWMW0626, ACSGWDUP0326, ACSGWMW48-26, ACSGWMW4926, ACSGWMW10C26, ACSGWMW5626, ACSGWTB0326, ACSGWEB0326, and ACSGWEB0226

The 17 water samples listed above were received intact, properly refrigerated at 2.3-2.8°C, with proper documentation, in sealed shipping containers, on September 22 and 26, 2005. 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 all of these samples. The pH values have been tabulated on the run log copies in the standards portion of the report. One or more volatile Target Compound List (TCL) analytes were identified above the Contract Required Quantitation Limit (CRQL) in most of these samples. One or more Tentatively Identified Compounds (TICs) were found in most of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG including samples. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

ACSGWMW5626 was initially run at an 8.3x dilution based on the prior history.

In the initial analyses of ACSGWMW0626, ACSGWDUP0326, ACSGWMW10C26, and ACSGWMW5626, the on-column amount of Benzene volatile target compound exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The samples were re-analyzed at 2x, 1.7x, 2.9x, and 3.3x dilutions, respectively, to bring the on-column amount into the calibration range. We have reported both analyses of these samples.

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.

ACSGWMW9R26 was run as a duplicate matrix spike as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Samples (LCS) met all 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 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
September 30, 2005

GC and GC/MS Column and Trap Specifications Table

SDG #:	7788

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

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CompuChem's Pagination Convention

As required by the current EPA CLP Statement of Work (SOW) (Document Number OLM04.0, plus revisions), 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 in an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These adjustments are performed by the data reviewer, GC/MS operator, or GC chemist. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration of each compound to demonstrate the accuracy of that process. Adjustments 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 as 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 the 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 requires 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 data packages.

Robert E. Meierer
Vice President

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.

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.

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.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	15	
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	230	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.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	9.9	NJ
2.		UNKNOWN	7.97	9.9	J
3.					
4.					
5.					
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30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
74-87-3	Chloromethane	8.4	U
75-01-4	Vinyl Chloride	8.4	U
74-83-9	Bromomethane	8.4	U
75-00-3	Chloroethane	20	D
75-69-4	Trichlorofluoromethane	8.4	U
75-35-4	1,1-Dichloroethene	8.4	U
75-15-0	Carbon disulfide	8.4	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	8.4	U
67-64-1	Acetone	21	U
75-09-2	Methylene Chloride	8.4	U
156-60-5	trans-1,2-Dichloroethene	8.4	U
1634-04-4	Methyl-tert-butyl ether	8.4	U
75-34-3	1,1-Dichloroethane	8.4	U
156-59-2	cis-1,2-Dichloroethene	8.4	U
78-93-3	2-butanone	21	U
67-66-3	Chloroform	8.4	U
71-55-6	1,1,1-Trichloroethane	8.4	U
56-23-5	Carbon Tetrachloride	8.4	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	8.4	U
79-01-6	Trichloroethene	8.4	U
78-87-5	1,2-Dichloropropane	8.4	U
75-27-4	Bromodichloromethane	8.4	U
10061-01-5	cis-1,3-Dichloropropene	8.4	U
108-10-1	4-Methyl-2-pentanone	21	U
108-88-3	Toluene	8.4	U
10061-02-6	trans-1,3-Dichloropropene	8.4	U
79-00-5	1,1,2-Trichloroethane	8.4	U
127-18-4	Tetrachloroethene	8.4	U
591-78-6	2-hexanone	21	U
124-48-1	Dibromochloromethane	8.4	U
106-93-4	1,2-Dibromoethane	8.4	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
100-41-4	Ethylbenzene	8.4	U
100-42-5	Styrene	8.4	U
75-25-2	Bromoform	8.4	U
98-82-8	Isopropyl Benzene	8.4	U
79-34-5	1,1,2,2-Tetrachloroethane	8.4	U
541-73-1	1,3-Dichlorobenzene	8.4	U
106-46-7	1,4-Dichlorobenzene	8.4	U
95-50-1	1,2-Dichlorobenzene	8.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.4	U
120-82-1	1,2,4-Trichlorobenzene	8.4	U
1330-20-7	Xylene (total)	8.4	U
79-20-9	Methyl acetate	8.4	U
110-82-7	Cyclohexane	8.4	U
108-87-2	Methylcyclohexane	8.4	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	5.73	16	NJD
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.3	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	2.1	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.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	19	J
2.				
3.				
4.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	0.76	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.

ACSGWEB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.97	6.9	J
2.					
3.					
4.					
5.					
6.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	14	
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	220	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.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	13	NJ
2. 1066-40-6	SILANOL, TRIMETHYL-	7.95	30	NJ
3.				
4.				
5.				
6.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	29	D
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon disulfide	10	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	10	U
67-64-1	Acetone	25	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-butanone	25	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-hexanone	25	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropyl Benzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Xylene (total)	10	U
79-20-9	Methyl acetate	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	5.73	15	NJD
2.				
3.				
4.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	330	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.

ACSGWMW10C26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.27	6.8	J
2.		UNKNOWN	6.80	6.1	J
3.	1066-40-6	SILANOL, TRIMETHYL-	7.96	22	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
75-15-0	Carbon disulfide	15	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	15	U
67-64-1	Acetone	37	U
75-09-2	Methylene Chloride	15	U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl-tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-butanone	37	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	350	D
107-06-2	1,2-Dichloroethane	15	U
79-01-6	Trichloroethene	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	37	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-hexanone	37	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropyl Benzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-Chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
1330-20-7	Xylene (total)	15	U
79-20-9	Methyl acetate	15	U
110-82-7	Cyclohexane	15	U
108-87-2	Methylcyclohexane	15	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

ACSGWMW1426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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-	7.96	30	NJ
2.				
3.				
4.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.1	J
75-00-3	Chloroethane	1.9	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	1.0	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	9.6	
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.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.72	5.0	J
2. 593-70-4	METHANE, CHLOROFLUORO-	0.82	13	NJ
3. 0-00-0	ETHENE, ETHYLOXY-	1.18	7.6	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	8.8	
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	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	2.0	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.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.71	8.2	NJ
2.	UNKNOWN	7.95	7.1	J
3.				
4.				
5.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	42	
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	1.2	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	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.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.97	12	J
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	11	
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	170	
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.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	7.3	J
2.	352-93-2	DIETHYL SULFIDE	9.59	6.0	NJ
3.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	9.3	
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	170	
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.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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. 352-93-2	DIETHYL SULFIDE	9.60	6.2	NJ
2. 873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETH	14.89	9.3	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW54R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	JB
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.

ACSGWMW5526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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

ACSGWMW5526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
74-87-3	Chloromethane	42	U
75-01-4	Vinyl Chloride	42	U
74-83-9	Bromomethane	42	U
75-00-3	Chloroethane	42	U
75-69-4	Trichlorofluoromethane	42	U
75-35-4	1,1-Dichloroethene	42	U
75-15-0	Carbon disulfide	42	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	42	U
67-64-1	Acetone	100	U
75-09-2	Methylene Chloride	42	U
156-60-5	trans-1,2-Dichloroethene	42	U
1634-04-4	Methyl-tert-butyl ether	42	U
75-34-3	1,1-Dichloroethane	42	U
156-59-2	cis-1,2-Dichloroethene	42	U
78-93-3	2-butanone	100	U
67-66-3	Chloroform	42	U
71-55-6	1,1,1-Trichloroethane	42	U
56-23-5	Carbon Tetrachloride	42	U
71-43-2	Benzene	3300	E
107-06-2	1,2-Dichloroethane	42	U
79-01-6	Trichloroethene	42	U
78-87-5	1,2-Dichloropropane	42	U
75-27-4	Bromodichloromethane	42	U
10061-01-5	cis-1,3-Dichloropropene	42	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	42	U
10061-02-6	trans-1,3-Dichloropropene	42	U
79-00-5	1,1,2-Trichloroethane	42	U
127-18-4	Tetrachloroethene	42	U
591-78-6	2-hexanone	100	U
124-48-1	Dibromochloromethane	42	U
106-93-4	1,2-Dibromoethane	42	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
100-41-4	Ethylbenzene	42	U
100-42-5	Styrene	42	U
75-25-2	Bromoform	42	U
98-82-8	Isopropyl Benzene	42	U
79-34-5	1,1,2,2-Tetrachloroethane	42	U
541-73-1	1,3-Dichlorobenzene	42	U
106-46-7	1,4-Dichlorobenzene	42	U
95-50-1	1,2-Dichlorobenzene	42	U
96-12-8	1,2-Dibromo-3-Chloropropane	42	U
120-82-1	1,2,4-Trichlorobenzene	42	U
1330-20-7	Xylene (total)	42	U
79-20-9	Methyl acetate	42	U
110-82-7	Cyclohexane	42	U
108-87-2	Methylcyclohexane	42	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	7.96	63	J
2.				
3.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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	2.7	DJ
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	390	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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	6.2	
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.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	17	J
2.	111-43-3	DI-N-PROPYL ETHER	9.13	13	NJ
3.					
4.					
5.					
6.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWTB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

ACSGWTB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	5.2	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW9R26MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80881

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80881B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	J
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	61	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	56	
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	57	
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.

ACSGWMW9R26MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80881

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80881B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW9R26MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80882

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80882B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	55	
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	63	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	57	
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	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.

ACSGWMW9R26MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80882

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80882B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

VBWLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80448

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80448A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	48	
75-01-4	Vinyl Chloride	49	
74-83-9	Bromomethane	54	
75-00-3	Chloroethane	56	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	55	
75-15-0	Carbon disulfide	55	
76-13-1	1,1,2-trichloro-1,2,2-triflu	52	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	56	B
156-60-5	trans-1,2-Dichloroethene	55	
1634-04-4	Methyl-tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	56	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	150	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	55	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	58	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	57	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	55	
106-93-4	1,2-Dibromoethane	57	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBWLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80448

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80448A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	51	
100-42-5	Styrene	54	
75-25-2	Bromoform	57	
98-82-8	Isopropyl Benzene	55	
79-34-5	1,1,2,2-Tetrachloroethane	57	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	54	
96-12-8	1,2-Dibromo-3-Chloropropane	61	
120-82-1	1,2,4-Trichlorobenzene	50	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	64	
110-82-7	Cyclohexane	55	
108-87-2	Methylcyclohexane	55	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCSLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80878

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80878B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/27/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	53	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	40	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	52	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	50	
67-64-1	Acetone	150	
75-09-2	Methylene Chloride	54	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	54	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	57	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	56	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	58	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	57	
106-93-4	1,2-Dibromoethane	58	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCSLCS

UCHEM Method: 8260B

TY Case No.: SAS No.: SDG No.: 7788

water) WATER Lab Sample ID: 80878

5 (g/ml) ML Lab File ID: 80878B59

med) LOW Date Received: 09/26/05

t dec. _____ Date Analyzed: 09/27/05

24 ID: 0.32 (mm) Dilution Factor: 1.0

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

COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
--------Chlorobenzene	53	
--------Ethylbenzene	53	
--------Styrene	54	
--------Bromoform	57	
--------Isopropyl Benzene	56	
--------1,1,2,2-Tetrachloroethane	57	
--------1,3-Dichlorobenzene	50	
--------1,4-Dichlorobenzene	50	
--------1,2-Dichlorobenzene	53	
--------1,2-Dibromo-3-Chloropropane	57	
--------1,2,4-Trichlorobenzene	47	
--------Xylene (total)	160	
--------Methyl acetate	63	
--------Cyclohexane	52	
--------Methylcyclohexane	52	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCTLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80879

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80879A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	55	
74-87-3	Chloromethane	54	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	57	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	51	
67-64-1	Acetone	150	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	57	
156-59-2	cis-1,2-Dichloroethene	55	
78-93-3	2-butanone	150	
67-66-3	Chloroform	56	
71-55-6	1,1,1-Trichloroethane	55	
56-23-5	Carbon Tetrachloride	53	
71-43-2	Benzene	55	
107-06-2	1,2-Dichloroethane	59	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	58	
75-27-4	Bromodichloromethane	56	
10061-01-5	cis-1,3-Dichloropropene	56	
108-10-1	4-Methyl-2-pentanone	160	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	58	
79-00-5	1,1,2-Trichloroethane	57	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	170	
124-48-1	Dibromochloromethane	56	
106-93-4	1,2-Dibromoethane	57	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCTLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80879

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80879A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	52	
100-42-5	Styrene	53	
75-25-2	Bromoform	54	
98-82-8	Isopropyl Benzene	56	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	51	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	70	
110-82-7	Cyclohexane	55	
108-87-2	Methylcyclohexane	54	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VFDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81315A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	56	
75-01-4	Vinyl Chloride	57	
74-83-9	Bromomethane	55	
75-00-3	Chloroethane	58	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	53	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	42	
67-64-1	Acetone	110	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl-tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	52	
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	49	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	48	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	50	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VFDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81315A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	51	
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	50	
75-25-2	Bromoform	50	
98-82-8	Isopropyl Benzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	49	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	50	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	45	
110-82-7	Cyclohexane	37	
108-87-2	Methylcyclohexane	39	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	35	
74-87-3	Chloromethane	45	
75-01-4	Vinyl Chloride	45	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	46	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	38	
75-15-0	Carbon disulfide	32	
76-13-1	1,1,2-trichloro-1,2,2-triflu	47	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	42	
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl-tert-butyl ether	42	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	120	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon Tetrachloride	44	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	130	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	53	

FORM I VOA

FORM 1

ATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAKLCS

CHEM Method: 8260B

Case No.: SAS No.: SDG No.: 7788

ater) WATER Lab Sample ID: 80290

5 (g/ml) ML Lab File ID: 80290B62_7788

ed) LOW Date Received: _____

dec. _____ Date Analyzed: 09/22/05

MS ID: 0.18 (mm) Dilution Factor: 1.0

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

COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
------Chlorobenzene	51	
------Ethylbenzene	52	
------Styrene	54	
------Bromoform	55	
------Isopropyl Benzene	52	
------1,1,2,2-Tetrachloroethane	58	
------1,3-Dichlorobenzene	55	
------1,4-Dichlorobenzene	56	
------1,2-Dichlorobenzene	55	
------1,2-Dibromo-3-Chloropropane	59	
------1,2,4-Trichlorobenzene	58	B
------Xylene (total)	150	
------Methyl acetate	43	
-----Cyclohexane	43	
-----Methylcyclohexane	50	

FORM I VOA

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.: 7788

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKAK	78	75	94	94	0
02	VAKLCS	81	74	93	94	0
03	ACSGWTB0226	78	75	92	95	0
04	ACSGWMW54R26	78	78	93	95	0
05	ACSGWMW1526	77	77	94	93	0
06	VBLKBW	93	84	95	91	0
07	VBWLCS	95	91	96	98	0
08	ACSGWMW5526	101	105	97	96	0
09	VBLKCS	96	98	98	94	0
10	VCSLCS	96	98	98	94	0
11	ACSGWMW1426	98	100	99	93	0
12	ACSGWMW2926	98	99	99	94	0
13	ACSGWMW9R26	98	99	98	95	0
14	ACSGWMW9R26M	96	101	98	94	0
15	ACSGWMW9R26M	98	99	98	95	0
16	ACSGWMW1926	97	99	99	95	0
17	ACSGWMW0626	98	102	98	96	0
18	VBLKCT	94	98	98	95	0
19	VCTLCS	98	101	98	96	0
20	ACSGWMW10C26	99	105	98	96	0
21	ACSGWMW5626	97	103	98	94	0
22	ACSGWTB0326	96	103	100	95	0
23	ACSGWMW0626D	99	103	99	96	0
24	ACSGWDUP0326	99	106	100	98	0
25	ACSGWEB0326	97	105	100	97	0
26	ACSGWMW48-26	96	103	99	96	0
27	ACSGWEB0226	94	98	101	96	0
28	ACSGWMW4926	97	108	99	97	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.: 7788

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	ACSGWMW10C26	96	107	100	96	0
02	ACSGWDUP0326	97	105	100	98	0
03	VBLKFD	95	93	97	93	0
04	VFDLCS	97	96	97	95	0
05	ACSGWMW5626D	98	96	99	94	0
06						
07						
08						
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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.: 7788

Matrix Spike - Sample No.: ACSGWMW9R26

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	54.33	109	72-129
Benzene	50	6.237	61.43	110	75-125
Trichloroethene	50	0.0	56.35	113	66-147
Toluene	50	0.0	57.08	114	78-126
Chlorobenzene	50	0.0	56	112	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	55.11	110	1	14	72-129
Benzene	50	63.23	114	3	14	75-125
Trichloroethene	50	56.81	114	1	14	66-147
Toluene	50	58.6	117	3	14	78-126
Chlorobenzene	50	57.46	115	3	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:

FORM III VOA

3A
WATER VOLATILE LAB CONTROL SAMPLE

VBWLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	55.01	110	72-129
Benzene	50	55	110	75-125
Trichloroethene	50	54.56	109	66-147
Toluene	50	53.33	107	78-126
Chlorobenzene	50	53.82	108	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

VCSLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	51.55	103	72-129
Benzene	50	53.25	107	75-125
Trichloroethene	50	52.91	106	66-147
Toluene	50	53.96	108	78-126
Chlorobenzene	50	52.98	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

VCTLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	53.94	108	72-129
Benzene	50	55.1	110	75-125
Trichloroethene	50	53.4	107	66-147
Toluene	50	55.28	111	78-126
Chlorobenzene	50	53.22	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

VFDLCS

La: CHEM Contract: 8260B

La Case No.: SAS No.: SDG No.: 7788

	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
hene	50	52.76	106	72-129
	50	53.85	108	75-125
G	50	53.38	107	66-147
	50	51.4	103	78-126
	50	50.58	101	80-117

ed to flag recovery and RPD values with an asterisk

* of QC limits

Sp 0 out of 5 outside limits

COM

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VAKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	37.9	76	72-129
Benzene	50	44.62	89	75-125
Trichloroethene	50	43.02	86	66-147
Toluene	50	49.98	100	78-126
Chlorobenzene	50	50.68	101	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

VBLKBW

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80445A59 Lab Sample ID: 80445

Date Analyzed: 09/23/05 Time Analyzed: 1042

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	VBWLCS	80448	80448A59	1123
02	ACSGWMW5526	778802	778802A59	1817
03				
04				
05				
06				
07				
08				
09				
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30				

COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKBW

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	0.94	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	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.

VBLKBW

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKBW

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80875B59 Lab Sample ID: 80875

Date Analyzed: 09/27/05 Time Analyzed: 2321

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	VCSLCS	80878	80878B59	2358
02	ACSGWMW1426	778805	778805B59	0039
03	ACSGWMW2926	778806	778806B59	0107
04	ACSGWMW9R26	778807	778807B59	0135
05	ACSGWMW9R26M	80881	80881B59	0203
06	ACSGWMW9R26M	80882	80882B59	0231
07	ACSGWMW1926	778808	778808B59	0824
08	ACSGWMW0626	778809	778809B59	0853
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

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

VBLKCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

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.					
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCT

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80876A59_7788 Lab Sample ID: 80876

Date Analyzed: 09/28/05 Time Analyzed: 1153

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	VCTLCS	80879	80879A59_778	1221
02	ACSGWMW10C26	778813	778813A59	1317
03	ACSGWMW5626	778814	778814A59	1346
04	ACSGWTB0326	778815	778815A59	1414
05	ACSGWMW0626D	778809	778809DA59	1446
06	ACSGWDUP0326	778810	778810RA59	1515
07	ACSGWEB0326	778816	778816A59	1543
08	ACSGWMW48-26	778811	778811RA59	1611
09	ACSGWEB0226	778817	778817A59	1703
10	ACSGWMW4926	778812	778812RA59	1731
11	ACSGWMW10C26	778813	778813DA59	1828
12	ACSGWDUP0326	778810	778810D2A59	1924
13				
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

VBLKCT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKCT

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKFD

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 81312A59 Lab Sample ID: 81312

Date Analyzed: 09/29/05 Time Analyzed: 1037

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	VFDLCS	81315	81315A59	1116
02	ACSGWMW5626D	778814	778814D2A59	1302
03				
04				
05				
06				
07				
08				
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKFD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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

VBLKFD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKFD

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80287RB62_7788 Lab Sample ID: 80287

Date Analyzed: 09/22/05 Time Analyzed: 1923

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VAKLCS	80290	80290B62_778	1953
02	ACSGWTB0226	778804	778804B62	2053
03	ACSGWMW54R26	778801	778801B62	0251
04	ACSGWMW1526	778803	778803B62	0311
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COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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
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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.: 7788

Lab File ID (Standard): GS050923A59 Date Analyzed: 09/23/05

Instrument ID: 5972HP59 Time Analyzed: 0959

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	423923	9.30	282076	12.22	144392	14.33
	UPPER LIMIT	847846	9.80	564152	12.72	288784	14.83
	LOWER LIMIT	211962	8.80	141038	11.72	72196	13.83
	CLIENT SAMPLE NO.						
01	VBLKBW	408519	9.28	274086	12.22	146042	14.34
02	VBWLCS	405217	9.29	269328	12.22	133803	14.33
03	ACSGWMW5526	321587	9.29	209260	12.22	111163	14.34
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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.: 7788

Lab File ID (Standard): GS050927B59 Date Analyzed: 09/27/05

Instrument ID: 5972HP59 Time Analyzed: 2236

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	394150	9.29	246848	12.23	124059	14.33
	UPPER LIMIT	788300	9.79	493696	12.73	248118	14.83
	LOWER LIMIT	197075	8.79	123424	11.73	62030	13.83
	CLIENT SAMPLE NO.						
01	VBLKCS	402233	9.29	246376	12.22	122473	14.34
02	VCSLCS	394693	9.29	243229	12.23	119128	14.33
03	ACSGWMW1426	390954	9.28	240514	12.23	118846	14.34
04	ACSGWMW2926	388042	9.29	239755	12.22	118952	14.34
05	ACSGWMW9R26	385461	9.28	239435	12.23	117259	14.34
06	ACSGWMW9R26M	383211	9.29	236500	12.22	116888	14.34
07	ACSGWMW9R26M	378920	9.28	232186	12.23	113686	14.33
08	ACSGWMW1926	420663	9.28	254710	12.22	124403	14.34
09	ACSGWMW0626	382377	9.28	236298	12.22	114002	14.33
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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.: 7788

Lab File ID (Standard): GS050928A59 Date Analyzed: 09/28/05

Instrument ID: 5972HP59 Time Analyzed: 1113

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	379294	9.28	237733	12.22	117095	14.34
	UPPER LIMIT	758588	9.78	475466	12.72	234190	14.84
	LOWER LIMIT	189647	8.78	118866	11.72	58548	13.84
	CLIENT SAMPLE NO.						
01	VBLKCT	375221	9.27	233068	12.22	116019	14.34
02	VCTLCS	373681	9.29	230804	12.21	112234	14.33
03	ACSGWMW10C26	368837	9.28	228912	12.22	111026	14.34
04	ACSGWMW5626	367636	9.28	224823	12.22	110382	14.33
05	ACSGWTB0326	364450	9.28	220756	12.23	108293	14.34
06	ACSGWMW0626D	357165	9.28	219823	12.22	106164	14.34
07	ACSGWDUP0326	355171	9.29	218096	12.22	105955	14.34
08	ACSGWEB0326	357468	9.29	215812	12.22	104541	14.34
09	ACSGWMW48-26	357440	9.29	215352	12.22	103314	14.34
10	ACSGWEB0226	472057	9.29	280624	12.22	134324	14.34
11	ACSGWMW4926	349424	9.29	213351	12.23	102939	14.34
12	ACSGWMW10C26	344476	9.29	206720	12.23	99652	14.34
13	ACSGWDUP0326	339176	9.28	202888	12.22	96278	14.34
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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.: 7788

Lab File ID (Standard): GS050929A59 Date Analyzed: 09/29/05

Instrument ID: 5972HP59 Time Analyzed: 0955

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	438499	9.30	280151	12.23	141285	14.35
	UPPER LIMIT	876998	9.80	560302	12.73	282570	14.85
	LOWER LIMIT	219250	8.80	140076	11.73	70642	13.85
	CLIENT SAMPLE NO.						
01	VBLKFD	423326	9.29	271771	12.23	137386	14.34
02	VFDLCS	429196	9.29	269713	12.23	133710	14.35
03	ACSGWMW5626D	422722	9.30	262111	12.23	129137	14.35
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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.

page 1 of 1

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.: 7788

Lab File ID (Standard): CU050922B62 Date Analyzed: 09/22/05

Instrument ID: 5973HP62 Time Analyzed: 1823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	582558	3.62	464456	5.19	239608	6.04
	UPPER LIMIT	1165116	4.12	928912	5.69	479216	6.54
	LOWER LIMIT	291279	3.12	232228	4.69	119804	5.54
	CLIENT SAMPLE NO.						
01	VBLKAK	540870	3.62	441199	5.19	224353	6.03
02	VAKLCS	550976	3.62	456960	5.19	237814	6.03
03	ACSGWTB0226	543395	3.62	446263	5.19	224394	6.03
04	ACSGWMW54R26	536192	3.62	433707	5.19	218068	6.03
05	ACSGWMW1526	534967	3.62	428487	5.19	220111	6.03
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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

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 # :	7788

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 # 7788
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ACSGWMW54R26, ACSGWMW5526, ACSGWMW1526, ACSGWTB0226, ACSGWMW1426, ACSGWMW2926, ACSGWMW9R26, ACSGWMW1926, ACSGWMW0626, ACSGWDUP0326, ACSGWMW48-26, ACSGWMW4926, ACSGWMW10C26, ACSGWMW5626, ACSGWTB0326, ACSGWEB0326, and ACSGWEB0226

The 17 water samples listed above were received intact, properly refrigerated at 2.3-2.8°C, with proper documentation, in sealed shipping containers, on September 22 and 26, 2005. 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 all of these samples. The pH values have been tabulated on the run log copies in the standards portion of the report. One or more volatile Target Compound List (TCL) analytes were identified above the Contract Required Quantitation Limit (CRQL) in most of these samples. One or more Tentatively Identified Compounds (TICs) were found in most of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG including samples. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

ACSGWMW5626 was initially run at an 8.3x dilution based on the prior history.

In the initial analyses of ACSGWMW0626, ACSGWDUP0326, ACSGWMW10C26, and ACSGWMW5626, the on-column amount of Benzene volatile target compound exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The samples were re-analyzed at 2x, 1.7x, 2.9x, and 3.3x dilutions, respectively, to bring the on-column amount into the calibration range. We have reported both analyses of these samples.

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.

ACSGWMW9R26 was run as a duplicate matrix spike as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Samples (LCS) met all 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 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
September 30, 2005

GC and GC/MS Column and Trap Specifications Table

SDG #:	7788

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 current EPA CLP Statement of Work (SOW) (Document Number OLM04.0, plus revisions), 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 in 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 adjustments are performed by the data reviewer, GC/MS operator, or GC chemist. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration of each compound to demonstrate the accuracy of that process. Adjustments 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 as 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 the 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 requires 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 data packages.

Robert E. Meierer
Vice President

DATA REPORTING QUALIFIERS

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

[illegible] indicates the compound was analyzed for but not detected. The Contract Required [illegible] Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for [illegible] percent moisture.

[illegible] indicates an estimated value. The flag is used as detailed below:

When estimating a concentration for tentatively identified compounds (TICs) where a [illegible] factor of 1.0 is assumed for the TIC analyte,

When the mass spectral and retention time data indicate the presence of a compound that [illegible] volatile and semivolatile GC/MS identification criteria, and the result is less than the [illegible] Reporting Limit) but greater than zero, and

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

[illegible] indicates presumptive evidence of a compound. This flag is only used for TICs, where [illegible] 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.

In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target [illegible] when there is greater than 25% difference for detected concentrations between the two [illegible] columns. The lower of the two values is reported on Form I and flagged with a P.
[illegible] SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than [illegible] and there is no evidence of chromatographic anomalies or interferences, then the higher of [illegible] values is reported and flagged with a P. When the RPD is equal to or less than 40%, our [illegible] to also report the higher of the two values, although the choice could be a project [illegible] issue.

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.

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.

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№ 007683

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CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier: Fed Ex
Airbill No.
Sampling Complete? Y or N

Company Name: MWH
Address: 175 W. Jackson Blvd. Ste 1900
City: Chicago State: IL Zip: 60604
Project Contact: A.Clore
Phone #: 312-831-3000
Sampler's Name: J. Finger / A. Clore

Project Name: ACS
Sampling Location: Griffith, IN
Turnaround time: Specified in Task Order
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)? MAYBE

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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+ TICs)
777112	ACS-GW-MW45-26	9/21	0805	GW	3	3						✓
777113	ACS-GW-EB01-26	9/21	0710		3	3						✓
777114	ACS-GW-MW44-26	9/21	0910		3	3						✓
777115	ACS-GW-MW51-26	9/21	1025		3	3						✓
777116	ACS-GW-MW30-26	9/21	1110		3	3						✓
777117	ACS-GW-MW33-26	9/21	1200 A.C.		3	3						✓
777118	ACS-GW-MW52-26	9/21	1405		3	3						✓
777119	ACS-GW-MW53-26	9/21	1450		3	3						✓
777120	ACS-GW-DUP02-26	9/21	1600		3	3						✓
778801	ACS-GW-MW54R-26	9/21	1605		3	3						✓

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: [illegible]
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

Relinquished by: Amy Clore	Date/Time: 9/21/05	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: Jennifer Dover	Date/Time: 9-22-05 9:20
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N Cooler Temp: 2.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

№ 007684

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Company Name: MWH	Project Name: ACS
Address: 175 W. Jackson Blvd. Ste 1700	Sampling Location: Griffith, IN
City: Chicago State: IL Zip: 60604	Turnaround time: Specified in Task Order
Project Contact: Amy Clore	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 312-831-3000	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: J. Finger / A. Clore	Are high concentrations expected? Y or N? If yes, which ID(s)? Maybe

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	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+ TICs)
778802	ACS-GW-MW55-26	9/21	1645	GW	3	3						✓
778803	ACS-GW-MW15-26	9/21	1750	GW	3	3						✓
778804	ACS-GW-TB02-26	9/21	—	TB	1	1						✓

MS 9/22/05

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: Melissa Dover
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

Relinquished by: Amy Clore	Date/Time: 9/21/05	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: Jennifer Dover	Date/Time: 9-22-05 9:20
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On ice? Y or N Cooler Temp: 2.3 °C

Samples stor[illegible] days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

№ 007696

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Company Name: MWH
Address: 175 W. Jackson Blvd. Ste. 1900
City: Chicago State: IL Zip: 60604
Project Contact: A. Clore
Phone #: 312-831-3000
Sampler's Name: J. Finger / A. Clore

Project Name: ACS
Sampling Location: Griffith, IN
Turnaround time: Specified in W.O.
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)? Maybe

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

2005 GW Sampling Complete. 2005 Residential Sampling is still ONGOING,

	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (+ TICs)
778805	ACS-GW-MW14-26	9/22	0850	GW	3	3						
778806	ACS-GW-MW29-26		0940		3	3						
778807	ACS-GW-MW9R-26		1035		9	9						(MS/MSD)
778808	ACS-GW-MW19-26		1145		3	3						
778809	ACS-GW-MW06-26		1250		3	3						
778810	ACS-GW-DUP03-26		1330		3	3						
778811	ACS-GW-MW48-26		1540		3	3						
778812	ACS-GW-MW49-26		1645		3	3						
778813	ACS-GW-MW10C-26	9/23	0805		3	3						
778814	ACS-GW-MW56-26	9/23	0840		3	3						

Sample Unpacked By: Jennifer Dover
Sample Order Entry By: J Molina Dover
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

Relinquished by: Amy Clore — Date/Time: 9/23/05 11:30 — Received by: — Date/Time:
Relinquished by: — Date/Time: — Received by: Jennifer Dover — Date/Time: 9-26-05 9:00
Subcontact? Y or N If yes, where? — Custody Seal(s) intact? Y or N — On Ice? Y or N — Cooler Temp: 2.8 C °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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№ 007697

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Company Name: MWH	Project Name: ACS
Address: 175. W. Jackson Blvd. Ste 1900	Sampling Location: Griffith, IN
City: Chicago State: IL Zip: 60604	Turnaround time:
Project Contact: Amy Clore	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 312-831-3000	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: J Finger / A Clore	Are high concentrations expected? Y or N? If yes, which ID(s)?

2005 GW sampling complete, Residential is still ONGOING

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

[redacted]	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs (TIC)
778815	ACS-GW-TB03-26	9/23		TB	1	1						✓
778816	ACS-GW-EB03-26	9/23	0730	GW	3	3						✓
778817 A.C. (added on)	ACS-GW-EB02-26	9/22	0775	GW	3	3						✓

Sample Unpacked By: Jennifer Boyer
Sample Order Entry By: Melissa Butler
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

Relinquished by: Amy Clore	Date/Time: 9/23/05 1130	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: Jennifer Boyer	Date/Time: 9-26-05 9:00
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N — Cooler Temp: 2.8 °C °C

Samples store[illegible] days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 7788 **Account:** MWH **Project:** ACS
SDG-Case: ACS **Status:** CLOSED **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
778801	ACSGWMW54R2	9/21/2005	9/22/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778802	ACSGWMW5526	9/21/2005	9/22/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778803	ACSGWMW1526	9/21/2005	9/22/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778804	ACSGWTB0226	9/21/2005	9/22/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**TRIP BLANK**
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778805	ACSGWMW1426	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778806	ACSGWMW2926	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778807	ACSGWMW9R26	9/22/2005	9/26/2005	10/9/2005	**USE FOR QC*REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
W	QCW-8260-5	QC-8260B 5ML VOC WATER			
778808	ACSGWMW1926	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778809	ACSGWMW0626	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

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WORKORDER SUMMARY REPORT

Workorder: 7788 **Account:** MWH **Project:** ACS
SDG-Case: ACS **Status:** CLOSED **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
778810	ACSGWDUP0326	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778811	ACSGWMW48-26	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778812	ACSGWMW4926	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778813	ACSGWMW10C26	9/23/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778814	ACSGWMW5626	9/23/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778815	ACSGWTB0326	9/23/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107**TRIP BLANK
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778816	ACSGWEB0326	9/23/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
778817	ACSGWEB0226	9/22/2005	9/26/2005	10/9/2005	REPORT TCL4 VOA & TICs**HISTORICAL DATA=WO#6107
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 9/22/2005 Batch 14675

Comments:

CCN	Receipt	Analysis Param	Container	Preservative	Bottle
778804	9/22/2005	VW8260_5X	40MLVIAL	HCL	778804-1
778801	9/22/2005	VW8260_5X	40MLVIAL	HCL	778801-1
778802	9/22/2005	VW8260_5X	40MLVIAL	HCL	778802-1
778803	9/22/2005	VW8260_5X	40MLVIAL	HCL	778803-1

Relinquished By:	Received By:	Date/Time	Reason
Cooler #28	[illegible]	9-22-05 / 18:55	Analysis
[illegible]	Cooler #23	9-22-05 / 22:55	Temp Blank
Cooler #28	JAO	9-23-05 1300	analysis
JAO	Cooler #28	9-23-05 1330	storage

Thursday, September 22, 2005

CompuChem, a Division of Liberty Analytical

INTERNAL CHAIN OF CUSTODY

Laboratory: Volatiles Matrix: W

Request Date: 9/26/2005 Batch 14719

Comments:

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	778817	9/26/2005	VW8260_5X	40MLVIAL	HCL	778817-1
2	778805	9/26/2005	VW8260_5X	40MLVIAL	HCL	778805-1
3	778806	9/26/2005	VW8260_5X	40MLVIAL	HCL	778806-1
4	778807	9/26/2005	VW8260_5X	40MLVIAL	HCL	778807-1
5	778807	9/26/2005	VW8260_5X	40MLVIAL	HCL	778807-9
6	778808	9/26/2005	VW8260_5X	40MLVIAL	HCL	778808-1
7	778809	9/26/2005	VW8260_5X	40MLVIAL	HCL	778809-1
8	778810	9/26/2005	VW8260_5X	40MLVIAL	HCL	778810-1
9	778811	9/26/2005	VW8260_5X	40MLVIAL	HCL	778811-1
10	778812	9/26/2005	VW8260_5X	40MLVIAL	HCL	778812-1
11	778815	9/26/2005	VW8260_5X	40MLVIAL	HCL	778815-1
12	778813	9/26/2005	VW8260_5X	40MLVIAL	HCL	778813-1
13	778814	9/26/2005	VW8260_5X	40MLVIAL	HCL	778814-1
14	778816	9/26/2005	VW8260_5X	40MLVIAL	HCL	778816-1

Relinquished By:	Received By:	Date/Time	Reason
#7	[illegible]	9-27 2100	[illegible]
[illegible]	#7	9-27 2130	[illegible]

Monday, September 26, 2005

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE :	LIBRTY	METHOD:	8260B
CASE # :	_____	SDG # :	7788

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.: 7788

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKAK	78	75	94	94	0
02	VAKLCS	81	74	93	94	0
03	ACSGWTB0226	78	75	92	95	0
04	ACSGWMW54R26	78	78	93	95	0
05	ACSGWMW1526	77	77	94	93	0
06	VBLKBW	93	84	95	91	0
07	VBWLCS	95	91	96	98	0
08	ACSGWMW5526	101	105	97	96	0
09	VBLKCS	96	98	98	94	0
10	VCSLCS	96	98	98	94	0
11	ACSGWMW1426	98	100	99	93	0
12	ACSGWMW2926	98	99	99	94	0
13	ACSGWMW9R26	98	99	98	95	0
14	ACSGWMW9R26M	96	101	98	94	0
15	ACSGWMW9R26M	98	99	98	95	0
16	ACSGWMW1926	97	99	99	95	0
17	ACSGWMW0626	98	102	98	96	0
18	VBLKCT	94	98	98	95	0
19	VCTLCS	98	101	98	96	0
20	ACSGWMW10C26	99	105	98	96	0
21	ACSGWMW5626	97	103	98	94	0
22	ACSGWTB0326	96	103	100	95	0
23	ACSGWMW0626D	99	103	99	96	0
24	ACSGWDUP0326	99	106	100	98	0
25	ACSGWEB0326	97	105	100	97	0
26	ACSGWMW48-26	96	103	99	96	0
27	ACSGWEB0226	94	98	101	96	0
28	ACSGWMW4926	97	108	99	97	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.: 7788

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	ACSGWMW10C26	96	107	100	96	0
02	ACSGWDUP0326	97	105	100	98	0
03	VBLKFD	95	93	97	93	0
04	VFDLCS	97	96	97	95	0
05	ACSGWMW5626D	98	96	99	94	0
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.: 7788

Matrix Spike - Sample No.: ACSGWMW9R26

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	54.33	109	72-129
Benzene	50	6.237	61.43	110	75-125
Trichloroethene	50	0.0	56.35	113	66-147
Toluene	50	0.0	57.08	114	78-126
Chlorobenzene	50	0.0	56	112	80-117

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	55.11	110	1	14	72-129
Benzene	50	63.23	114	3	14	75-125
Trichloroethene	50	56.81	114	1	14	66-147
Toluene	50	58.6	117	3	14	78-126
Chlorobenzene	50	57.46	115	3	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: _____

FORM III VOA

3A
WATER VOLATILE LAB CONTROL SAMPLE

VBWLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	55.01	110	72-129
Benzene	50	55	110	75-125
Trichloroethene	50	54.56	109	66-147
Toluene	50	53.33	107	78-126
Chlorobenzene	50	53.82	108	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

VCSLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	51.55	103	72-129
Benzene	50	53.25	107	75-125
Trichloroethene	50	52.91	106	66-147
Toluene	50	53.96	108	78-126
Chlorobenzene	50	52.98	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

VCTLCS

MPUCHEM Contract: 8260B

TY Case No.: SAS No.: SDG No.: 7788

	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
ethene	50	53.94	108	72-129
	50	55.1	110	75-125
ene	50	53.4	107	66-147
	50	55.28	111	78-126
e	50	53.22	106	80-117

used to flag recovery and RPD values with an asterisk

ide of QC limits

0 out of 5 outside limits

FORM III VOA-1

3A
WATER VOLATILE LAB CONTROL SAMPLE

VFDLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	52.76	106	72-129
Benzene	50	53.85	108	75-125
Trichloroethene	50	53.38	107	66-147
Toluene	50	51.4	103	78-126
Chlorobenzene	50	50.58	101	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

VAKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	37.9	76	72-129
Benzene	50	44.62	89	75-125
Trichloroethene	50	43.02	86	66-147
Toluene	50	49.98	100	78-126
Chlorobenzene	50	50.68	101	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

VBLKBW

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80445A59 Lab Sample ID: 80445

Date Analyzed: 09/23/05 Time Analyzed: 1042

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	VBWLCS	80448	80448A59	1123
02	ACSGWMW5526	778802	778802A59	1817
03				
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80875B59 Lab Sample ID: 80875

Date Analyzed: 09/27/05 Time Analyzed: 2321

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	VCSLCS	80878	80878B59	2358
02	ACSGWMW1426	778805	778805B59	0039
03	ACSGWMW2926	778806	778806B59	0107
04	ACSGWMW9R26	778807	778807B59	0135
05	ACSGWMW9R26M	80881	80881B59	0203
06	ACSGWMW9R26M	80882	80882B59	0231
07	ACSGWMW1926	778808	778808B59	0824
08	ACSGWMW0626	778809	778809B59	0853
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCT

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80876A59_7788 Lab Sample ID: 80876

Date Analyzed: 09/28/05 Time Analyzed: 1153

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	VCTLCS	80879	80879A59_778	1221
02	ACSGWMW10C26	778813	778813A59	1317
03	ACSGWMW5626	778814	778814A59	1346
04	ACSGWTB0326	778815	778815A59	1414
05	ACSGWMW0626D	778809	778809DA59	1446
06	ACSGWDUP0326	778810	778810RA59	1515
07	ACSGWEB0326	778816	778816A59	1543
08	ACSGWMW48-26	778811	778811RA59	1611
09	ACSGWEB0226	778817	778817A59	1703
10	ACSGWMW4926	778812	778812RA59	1731
11	ACSGWMW10C26	778813	778813DA59	1828
12	ACSGWDUP0326	778810	778810D2A59	1924
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKFD

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 81312A59 Lab Sample ID: 81312

Date Analyzed: 09/29/05 Time Analyzed: 1037

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	VFDLCS	81315	81315A59	1116
02	ACSGWMW5626D	778814	778814D2A59	1302
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Lab File ID: 80287RB62_7788 Lab Sample ID: 80287

Date Analyzed: 09/22/05 Time Analyzed: 1923

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VAKLCS	80290	80290B62_778	1953
02	ACSGWTB0226	778804	778804B62	2053
03	ACSGWMW54R26	778801	778801B62	0251
04	ACSGWMW1526	778803	778803B62	0311
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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.: 7788

Lab File ID: BG050912A59 BFB Injection Date: 09/12/05

Instrument ID: 5972HP59 BFB Injection Time: 1454

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	16.9
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	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.3 (7.2)1
176	95.0 - 101.0% of mass 174	71.5 (97.8)1
177	5.0 - 9.0% of mass 176	4.6 (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	VSTD005	VSTD005	GT050912A59	09/12/05	1549
02	VSTD010	VSTD010	GU050912A59	09/12/05	1616
03	VSTD020	VSTD020	GV050912A59	09/12/05	1644
04	VSTD100	VSTD100	GX050912A59	09/12/05	1739
05	VSTD200	VSTD200	GY050912A59	09/12/05	1806
06	VSTD050	VSTD050	GA050912A59	09/12/05	1928
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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.: 7788

Lab File ID: BF050923A59 BFB Injection Date: 09/23/05

Instrument ID: 5972HP59 BFB Injection Time: 0936

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	15.3
75	30.0 - 60.0% of mass 95	42.5
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	75.9
175	5.0 - 9.0% of mass 174	5.4 (7.1)1
176	95.0 - 101.0% of mass 174	72.4 (95.4)1
177	5.0 - 9.0% of mass 176	4.9 (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	GS050923A59	09/23/05	0959
02	VBLKBW	80445	80445A59	09/23/05	1042
03	VBWLCS	80448	80448A59	09/23/05	1123
04	ACSGWMW5526	778802	778802A59	09/23/05	1817
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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.: 7788

Lab File ID: BF050927A59 BFB Injection Date: 09/27/05

Instrument ID: 5972HP59 BFB Injection Time: 1016

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	16.3
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.0
175	5.0 - 9.0% of mass 174	5.1 (7.1)1
176	95.0 - 101.0% of mass 174	68.5 (96.5)1
177	5.0 - 9.0% of mass 176	4.6 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	GT050927A59	09/27/05	1107
02	VSTD020	VSTD020	GU050927A59	09/27/05	1135
03	VSTD100	VSTD100	GW050927A59	09/27/05	1232
04	VSTD200	VSTD200	GX050927A59	09/27/05	1307
05	VSTD005	VSTD005	GY050927A59	09/27/05	1402
06	VSTD050	VSTD050	GZ050927A59	09/27/05	1545
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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.: 7788

Lab File ID: BF050927B59 BFB Injection Date: 09/27/05

Instrument ID: 5972HP59 BFB Injection Time: 2225

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	16.5
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
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	65.6 (95.8)1
177	5.0 - 9.0% of mass 176	4.4 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GS050927B59	09/27/05	2236
02	VBLKCS	80875	80875B59	09/27/05	2321
03	VCSLCS	80878	80878B59	09/27/05	2358
04	ACSGWMW1426	778805	778805B59	09/28/05	0039
05	ACSGWMW2926	778806	778806B59	09/28/05	0107
06	ACSGWMW9R26	778807	778807B59	09/28/05	0135
07	ACSGWMW9R26M	80881	80881B59	09/28/05	0203
08	ACSGWMW9R26M	80882	80882B59	09/28/05	0231
09	ACSGWMW1926	778808	778808B59	09/28/05	0824
10	ACSGWMW0626	778809	778809B59	09/28/05	0853
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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.: 7788

Lab File ID: BF050928A59 BFB Injection Date: 09/28/05

Instrument ID: 5972HP59 BFB Injection Time: 1048

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	16.9
75	30.0 - 60.0% of mass 95	40.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.0 (7.1)1
176	95.0 - 101.0% of mass 174	66.7 (95.8)1
177	5.0 - 9.0% of mass 176	4.4 (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	GS050928A59	09/28/05	1113
02	VBLKCT	80876	80876A59_7788	09/28/05	1153
03	VCTLCS	80879	80879A59_7788	09/28/05	1221
04	ACSGWMW10C26	778813	778813A59	09/28/05	1317
05	ACSGWMW5626	778814	778814A59	09/28/05	1346
06	ACSGWTB0326	778815	778815A59	09/28/05	1414
07	ACSGWMW0626D	778809	778809DA59	09/28/05	1446
08	ACSGWDUP0326	778810	778810RA59	09/28/05	1515
09	ACSGWEB0326	778816	778816A59	09/28/05	1543
10	ACSGWMW48-26	778811	778811RA59	09/28/05	1611
11	ACSGWEB0226	778817	778817A59	09/28/05	1703
12	ACSGWMW4926	778812	778812RA59	09/28/05	1731
13	ACSGWMW10C26	778813	778813DA59	09/28/05	1828
14	ACSGWDUP0326	778810	778810D2A59	09/28/05	1924
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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.: 7788

Lab File ID: BF050928B59 BFB Injection Date: 09/28/05

Instrument ID: 5972HP59 BFB Injection Time: 2125

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	17.3
75	30.0 - 60.0% of mass 95	42.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.3
175	5.0 - 9.0% of mass 174	4.6 (6.7)1
176	95.0 - 101.0% of mass 174	65.3 (95.6)1
177	5.0 - 9.0% of mass 176	4.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	GS050928B59	09/28/05	2139
02	VSTD010	VSTD010	GT050928B59	09/28/05	2207
03	VSTD050	VSTD050	GV050928B59	09/28/05	2319
04	VSTD100	VSTD100	GW050928B59	09/28/05	2356
05	VSTD200	VSTD200	GX050928B59	09/29/05	0024
06	VSTD020	VSTD020	GY050928B59	09/29/05	0104
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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.: 7788

Lab File ID: BF050929A59 BFB Injection Date: 09/29/05

Instrument ID: 5972HP59 BFB Injection Time: 0916

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	16.2
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.3 (7.1)1
176	95.0 - 101.0% of mass 174	70.5 (95.6)1
177	5.0 - 9.0% of mass 176	4.6 (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	GS050929A59	09/29/05	0955
02	VBLKFD	81312	81312A59	09/29/05	1037
03	VFDLCS	81315	81315A59	09/29/05	1116
04	ACSGWMW5626D	778814	778814D2A59	09/29/05	1302
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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.: 7788

Lab File ID: BF050912A62 BFB Injection Date: 09/12/05

Instrument ID: 5973HP62 BFB Injection Time: 1326

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	16.8	
75	30.0 - 60.0% of mass 95	40.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	Greater than 50.0% of mass 95	94.7	
175	5.0 - 9.0% of mass 174	6.6	(7.0)1
176	95.0 - 101.0% of mass 174	91.7	(96.8)1
177	5.0 - 9.0% of mass 176	5.9	(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	VSTD005	VSTD005	CU050912A62	09/12/05	1409
02	VSTD010	VSTD010	CV050912A62	09/12/05	1440
03	VSTD020	VSTD020	CW050912A62	09/12/05	1508
04	VSTD050	VSTD050	CY050912A62	09/12/05	1604
05	VSTD100	VSTD100	CA050912A62	09/12/05	1700
06	VSTD200	VSTD200	CB050912A62	09/12/05	1728
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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.: 7788

Lab File ID: BF050922B62 BFB Injection Date: 09/22/05

Instrument ID: 5973HP62 BFB Injection Time: 1737

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	40.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	7.3 (7.3)1
176	95.0 - 101.0% of mass 174	94.9 (95.5)1
177	5.0 - 9.0% of mass 176	5.9 (6.2)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	CU050922B62	09/22/05	1823
02	VBLKAK	80287	80287RB62_7788	09/22/05	1923
03	VAKLCS	80290	80290B62_7788	09/22/05	1953
04	ACSGWTB0226	778804	778804B62	09/22/05	2053
05	ACSGWMW54R26	778801	778801B62	09/23/05	0251
06	ACSGWMW1526	778803	778803B62	09/23/05	0311
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page 1 of 1

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.: 7788

Lab File ID (Standard): GS050923A59 Date Analyzed: 09/23/05

Instrument ID: 5972HP59 Time Analyzed: 0959

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	423923	9.30	282076	12.22	144392	14.33
	UPPER LIMIT	847846	9.80	564152	12.72	288784	14.83
	LOWER LIMIT	211962	8.80	141038	11.72	72196	13.83
	CLIENT SAMPLE NO.						
01	VBLKBW	408519	9.28	274086	12.22	146042	14.34
02	VBWLCS	405217	9.29	269328	12.22	133803	14.33
03	ACSGWMW5526	321587	9.29	209260	12.22	111163	14.34
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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.

page 1 of 1

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.: 7788

Lab File ID (Standard): GS050927B59 Date Analyzed: 09/27/05

Instrument ID: 5972HP59 Time Analyzed: 2236

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	394150	9.29	246848	12.23	124059	14.33
	UPPER LIMIT	788300	9.79	493696	12.73	248118	14.83
	LOWER LIMIT	197075	8.79	123424	11.73	62030	13.83
	CLIENT SAMPLE NO.						
01	VBLKCS	402233	9.29	246376	12.22	122473	14.34
02	VCSLCS	394693	9.29	243229	12.23	119128	14.33
03	ACSGWMW1426	390954	9.28	240514	12.23	118846	14.34
04	ACSGWMW2926	388042	9.29	239755	12.22	118952	14.34
05	ACSGWMW9R26	385461	9.28	239435	12.23	117259	14.34
06	ACSGWMW9R26M	383211	9.29	236500	12.22	116888	14.34
07	ACSGWMW9R26M	378920	9.28	232186	12.23	113686	14.33
08	ACSGWMW1926	420663	9.28	254710	12.22	124403	14.34
09	ACSGWMW0626	382377	9.28	236298	12.22	114002	14.33
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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.

page 1 of 1

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.: 7788

Lab File ID (Standard): GS050928A59 Date Analyzed: 09/28/05

Instrument ID: 5972HP59 Time Analyzed: 1113

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	379294	9.28	237733	12.22	117095	14.34
	UPPER LIMIT	758588	9.78	475466	12.72	234190	14.84
	LOWER LIMIT	189647	8.78	118866	11.72	58548	13.84
	CLIENT SAMPLE NO.						
01	VBLKCT	375221	9.27	233068	12.22	116019	14.34
02	VCTLCS	373681	9.29	230804	12.21	112234	14.33
03	ACSGWMW10C26	368837	9.28	228912	12.22	111026	14.34
04	ACSGWMW5626	367636	9.28	224823	12.22	110382	14.33
05	ACSGWTB0326	364450	9.28	220756	12.23	108293	14.34
06	ACSGWMW0626D	357165	9.28	219823	12.22	106164	14.34
07	ACSGWDUP0326	355171	9.29	218096	12.22	105955	14.34
08	ACSGWEB0326	357468	9.29	215812	12.22	104541	14.34
09	ACSGWMW48-26	357440	9.29	215352	12.22	103314	14.34
10	ACSGWEB0226	472057	9.29	280624	12.22	134324	14.34
11	ACSGWMW4926	349424	9.29	213351	12.23	102939	14.34
12	ACSGWMW10C26	344476	9.29	206720	12.23	99652	14.34
13	ACSGWDUP0326	339176	9.28	202888	12.22	96278	14.34
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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.: 7788

Lab File ID (Standard): GS050929A59 Date Analyzed: 09/29/05

Instrument ID: 5972HP59 Time Analyzed: 0955

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	438499	9.30	280151	12.23	141285	14.35
	UPPER LIMIT	876998	9.80	560302	12.73	282570	14.85
	LOWER LIMIT	219250	8.80	140076	11.73	70642	13.85
	CLIENT SAMPLE NO.						
01	VBLKFD	423326	9.29	271771	12.23	137386	14.34
02	VFDLCS	429196	9.29	269713	12.23	133710	14.35
03	ACSGWMW5626D	422722	9.30	262111	12.23	129137	14.35
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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.

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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.: 7788

Lab File ID (Standard): CU050922B62 Date Analyzed: 09/22/05

Instrument ID: 5973HP62 Time Analyzed: 1823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	582558	3.62	464456	5.19	239608	6.04
	UPPER LIMIT	1165116	4.12	928912	5.69	479216	6.54
	LOWER LIMIT	291279	3.12	232228	4.69	119804	5.54
	CLIENT SAMPLE NO.						
01	VBLKAK	540870	3.62	441199	5.19	224353	6.03
02	VAKLCS	550976	3.62	456960	5.19	237814	6.03
03	ACSGWTB0226	543395	3.62	446263	5.19	224394	6.03
04	ACSGWMW54R26	536192	3.62	433707	5.19	218068	6.03
05	ACSGWMW1526	534967	3.62	428487	5.19	220111	6.03
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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

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.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	15	
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	230	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.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	9.9	NJ
2.	UNKNOWN	7.97	9.9	J
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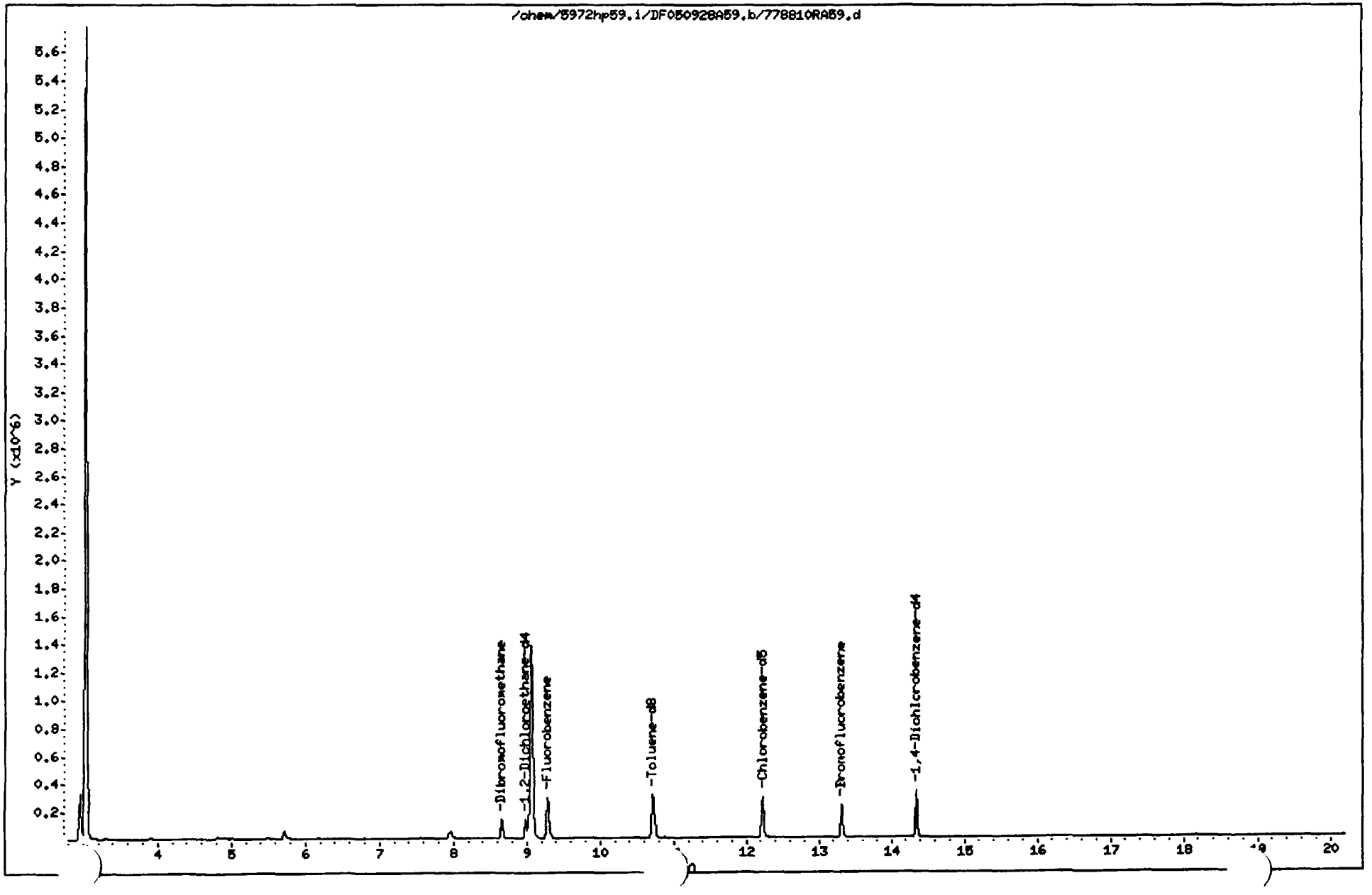
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Date : 28-SEP-2005 15:15
Client ID: ACSGWDUP0326 Instrument: 5972hp59.i
Sample Info:
Purge Volume: 5.0 Operator: 2473
Column phase: ZB-624 Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Lab Smp Id: 778810 Client Smp ID: ACSGWDUP0326
Inj Date : 28-SEP-2005 15:15
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 16
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	9.289	9.284	(1.000)	355171	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.219	(1.000)	218096	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.342	14.337	(1.000)	105955	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.653	(0.932)	101940	246.696	49
$ 5 1,2-Dichloroethane-d4	65	8.993	8.988	(0.968)	98532	264.782	53
$ 6 Toluene-d8	98	10.717	10.712	(0.877)	309812	248.790	50
$ 7 Bromofluorobenzene	95	13.307	13.302	(0.928)	120207	244.521	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	4.817	4.812	(0.519)	21011	75.8940	15
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.					

MZ
9-29-05

Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Report Date: 29-Sep-2005 00:06

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	9.062	9.057	(0.976)	1706964	1153.01	230(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/DF050928A59.b/778810RA59.d

Date : 28-SEP-2005 15:15

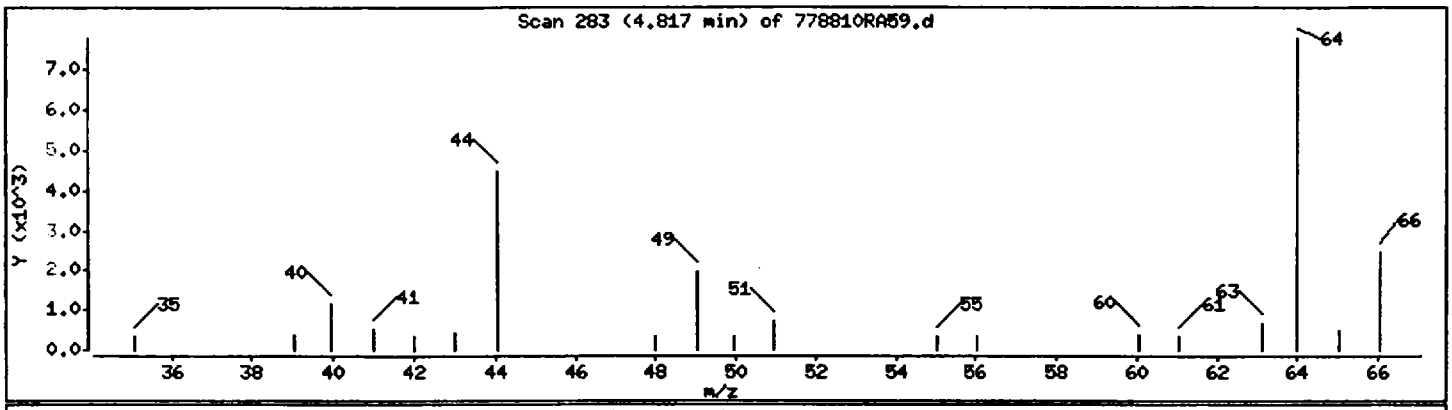
Client ID: ACSGWDUP0326 Instrument: 5972hp59.i

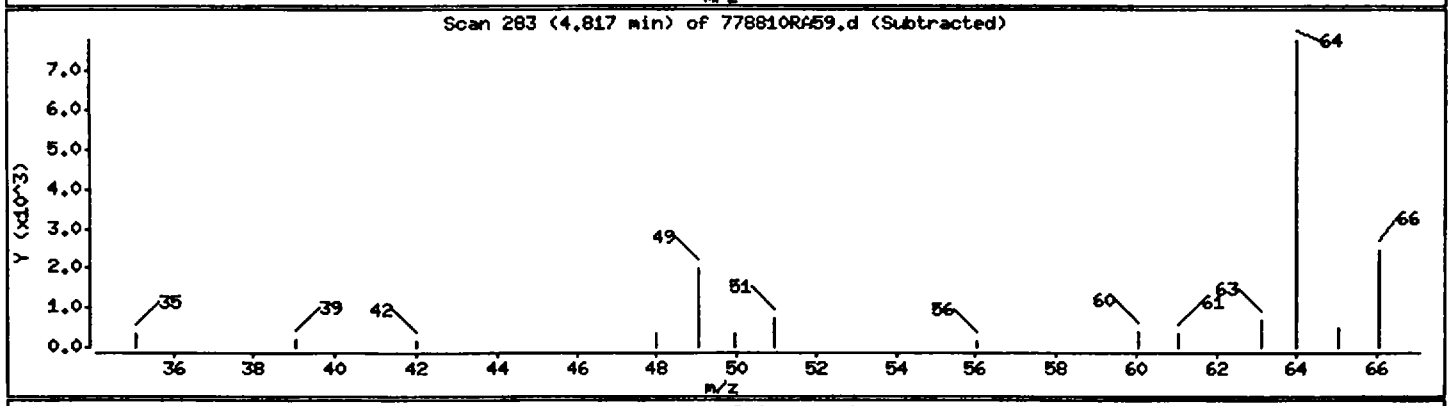
Sample Info:

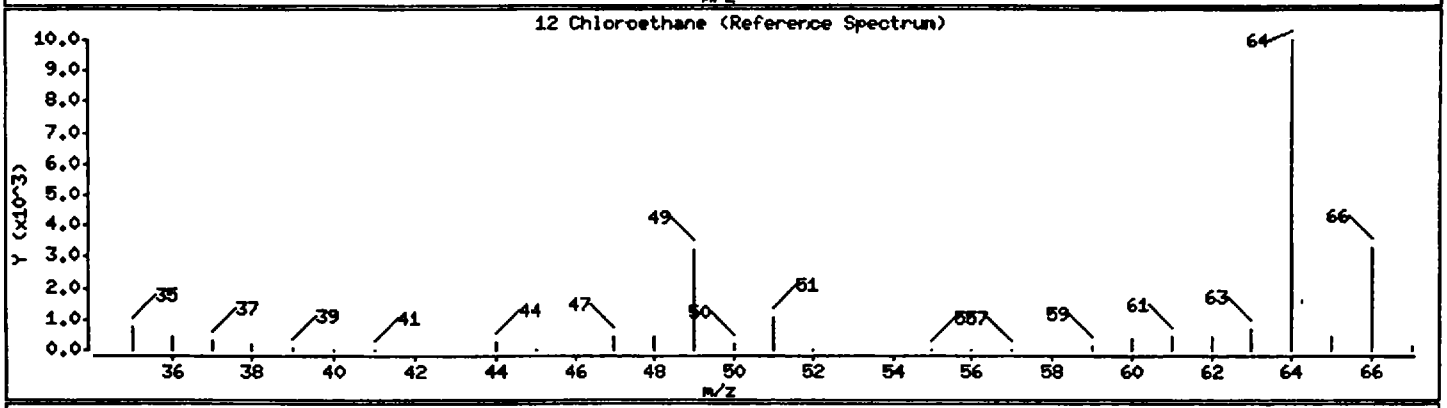
Purge Volume: 5.0 Operator: 2473

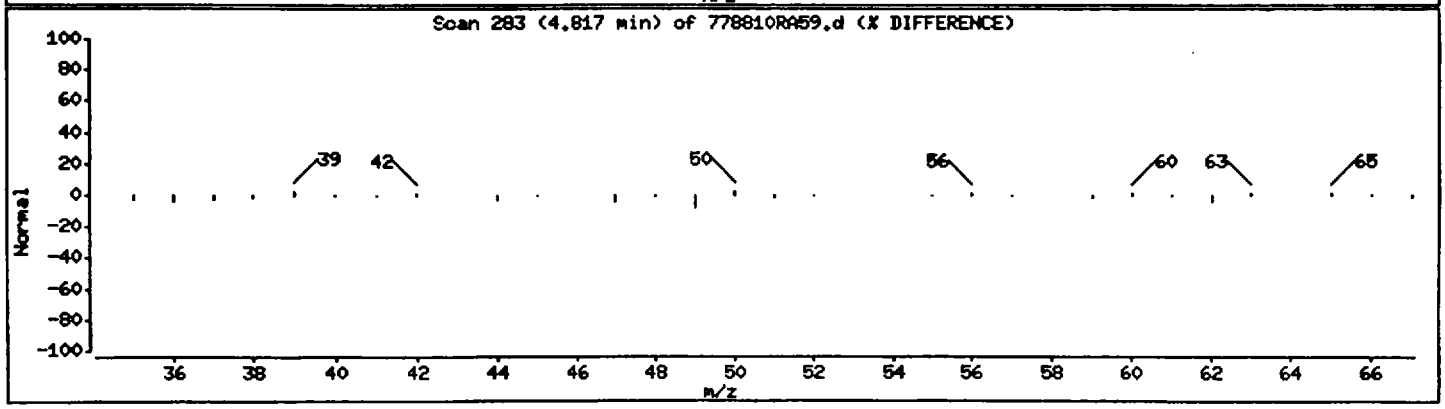
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 15 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d

Date : 28-SEP-2005 15:15

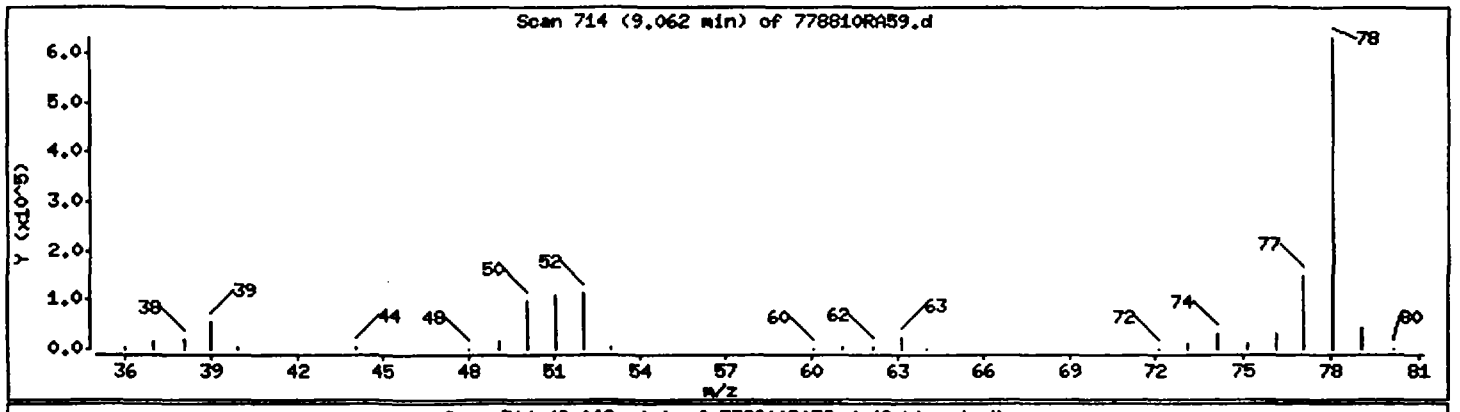
Client ID: ACSGWDUP0326 Instrument: 5972hp59.i

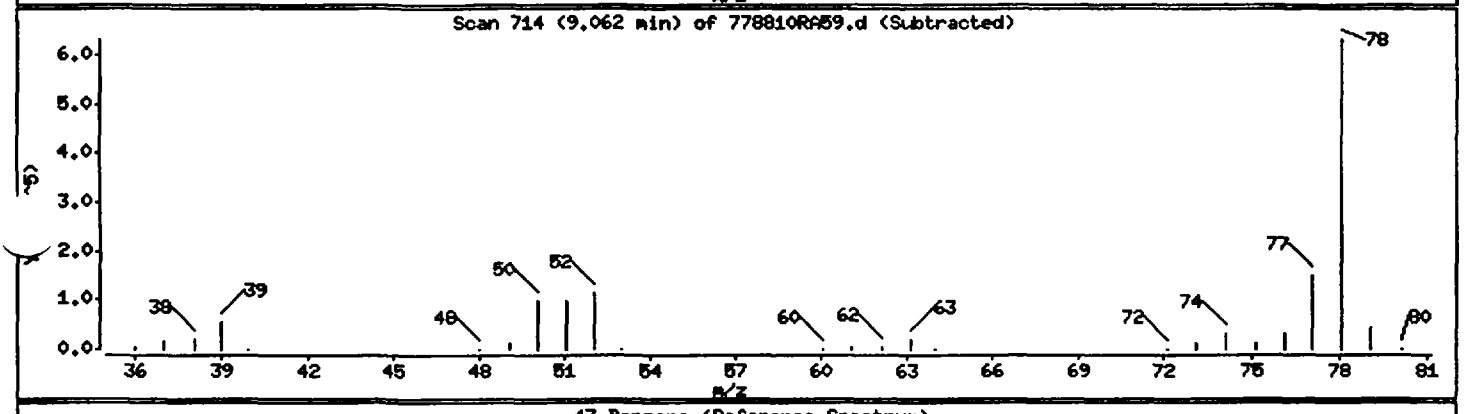
Sample Info:

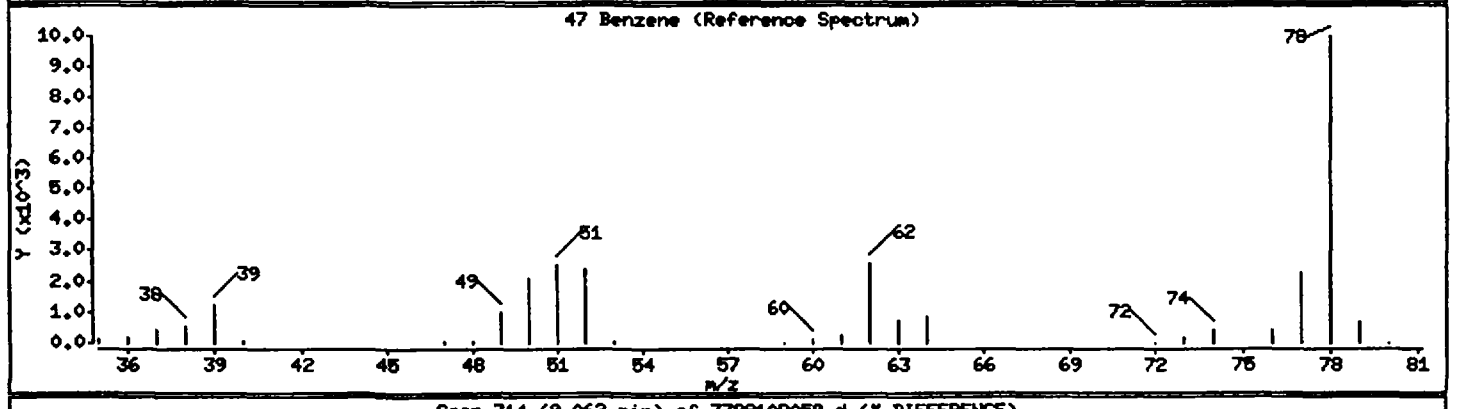
Purge Volume: 5.0 Operator: 2473

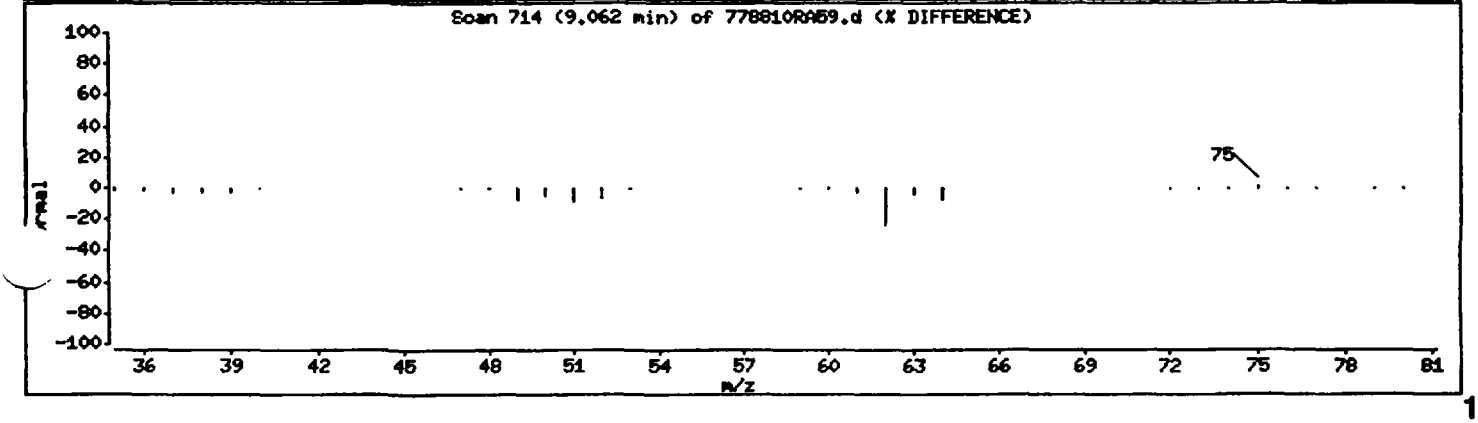
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 230 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778810RA59.d
Lab Smp Id: 778810 Client Smp ID: ACSGWDUP0326
Inj Date : 28-SEP-2005 15:15
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 16
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	9.289	750792	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether				CAS #: 60-29-7			
5.723	148137	49.3269911	9.9	90	NBS129K.l	108347	1
Unknown				CAS #:			
7.969	148350	49.3979541	9.9	0		0	1

Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d

Date : 28-SEP-2005 15:15

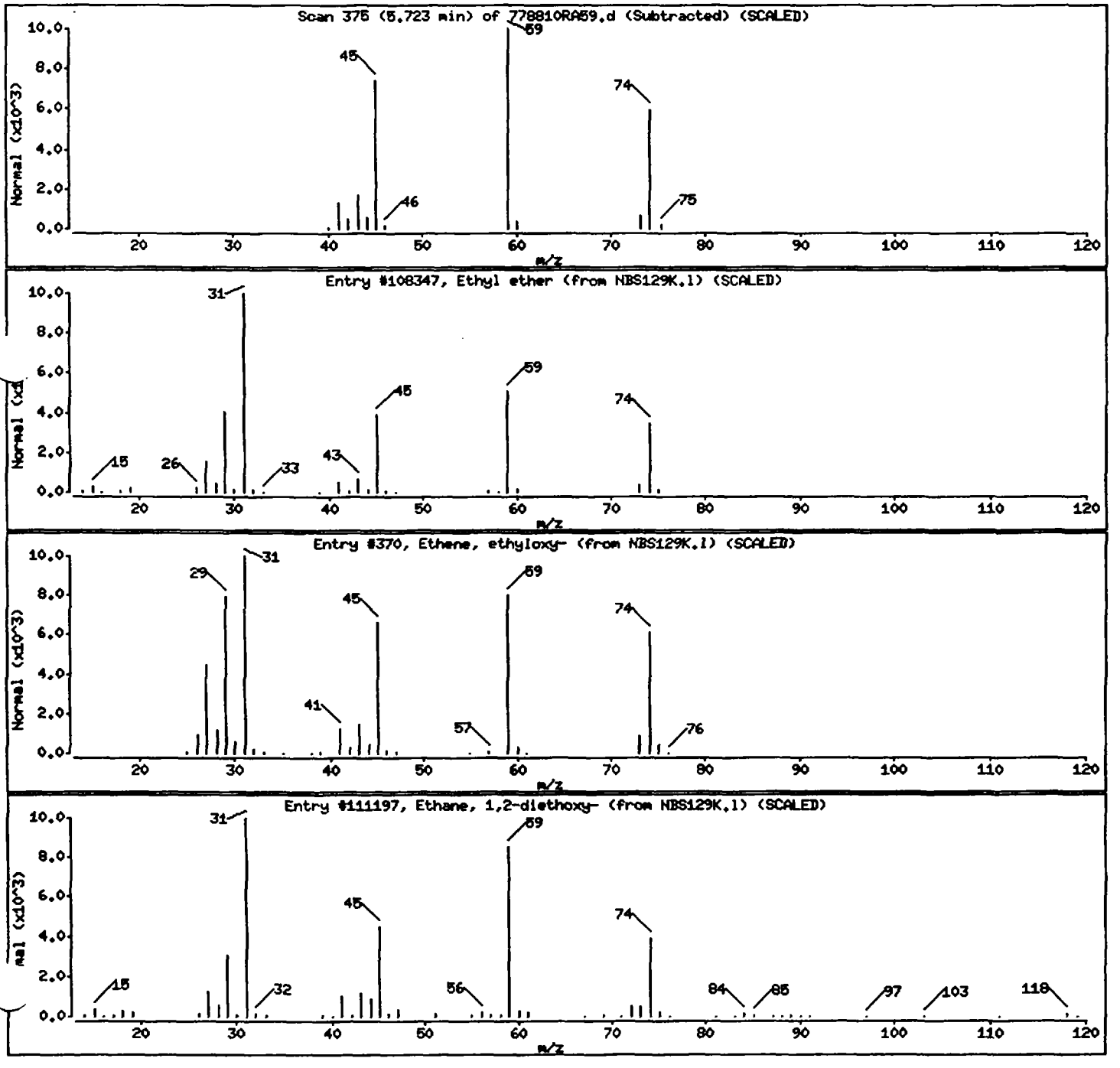
Client ID: ACSGWDUP0326 Instrument: 5972hp59.i

Sample Info:

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
Ethyl ether	60-29-7	NBS129K.l	108347	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	83	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111197	74	C6H14O2	118



Data File: /chem/5972hp59.i/DF050928A59.b/778810RA59.d

Date : 28-SEP-2005 15:15

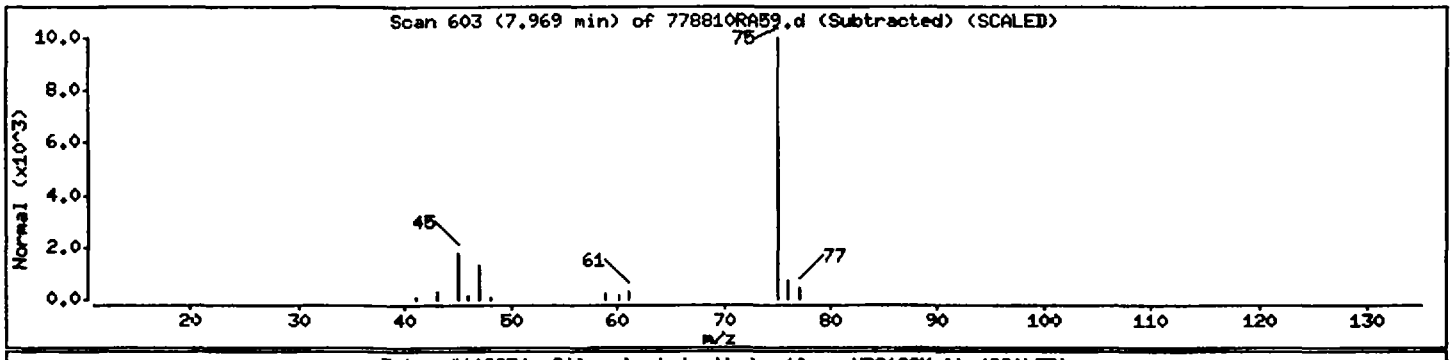
Client ID: ACSGWDUP0326 Instrument: 5972hp59.i

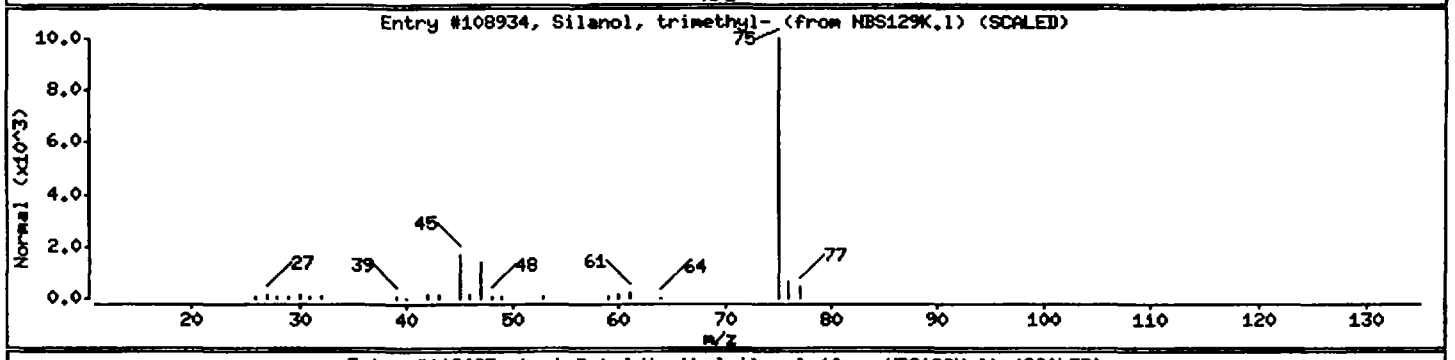
Sample Info:

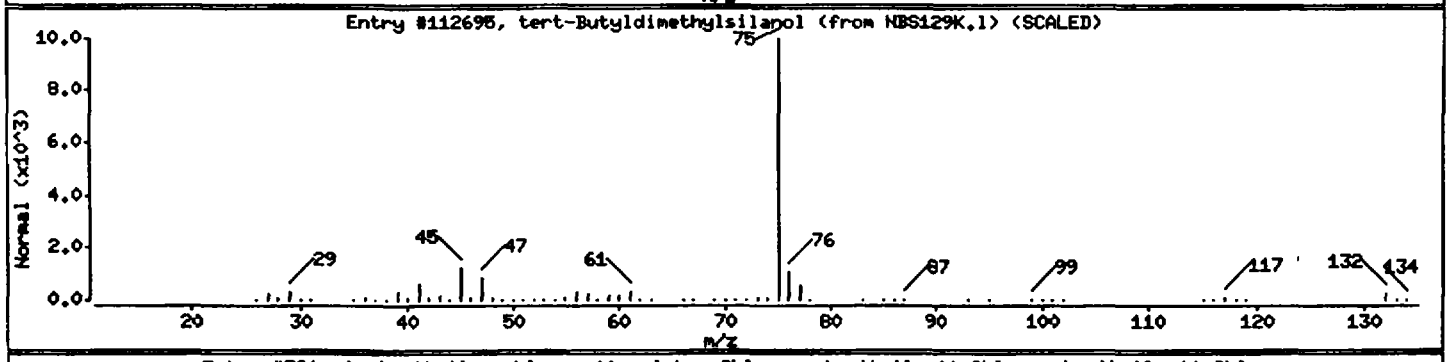
Purge Volume: 5.0 Operator: 2473

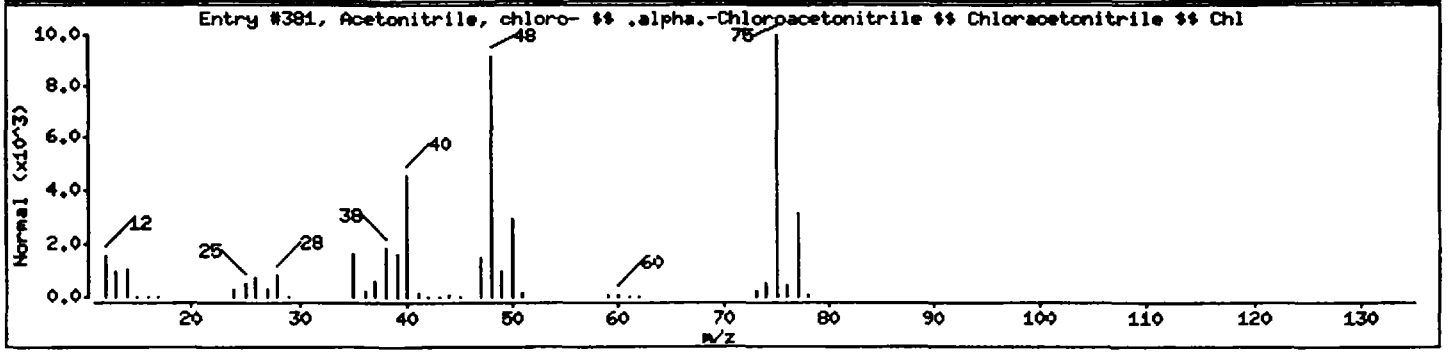
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	83	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.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
74-87-3	Chloromethane	8.4	U
75-01-4	Vinyl Chloride	8.4	U
74-83-9	Bromomethane	8.4	U
75-00-3	Chloroethane	20	D
75-69-4	Trichlorofluoromethane	8.4	U
75-35-4	1,1-Dichloroethene	8.4	U
75-15-0	Carbon disulfide	8.4	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	8.4	U
67-64-1	Acetone	21	U
75-09-2	Methylene Chloride	8.4	U
156-60-5	trans-1,2-Dichloroethene	8.4	U
1634-04-4	Methyl-tert-butyl ether	8.4	U
75-34-3	1,1-Dichloroethane	8.4	U
156-59-2	cis-1,2-Dichloroethene	8.4	U
78-93-3	2-butanone	21	U
67-66-3	Chloroform	8.4	U
71-55-6	1,1,1-Trichloroethane	8.4	U
56-23-5	Carbon Tetrachloride	8.4	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	8.4	U
79-01-6	Trichloroethene	8.4	U
78-87-5	1,2-Dichloropropane	8.4	U
75-27-4	Bromodichloromethane	8.4	U
10061-01-5	cis-1,3-Dichloropropene	8.4	U
108-10-1	4-Methyl-2-pentanone	21	U
108-88-3	Toluene	8.4	U
10061-02-6	trans-1,3-Dichloropropene	8.4	U
79-00-5	1,1,2-Trichloroethane	8.4	U
127-18-4	Tetrachloroethene	8.4	U
591-78-6	2-hexanone	21	U
124-48-1	Dibromochloromethane	8.4	U
106-93-4	1,2-Dibromoethane	8.4	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
100-41-4	Ethylbenzene	8.4	U
100-42-5	Styrene	8.4	U
75-25-2	Bromoform	8.4	U
98-82-8	Isopropyl Benzene	8.4	U
79-34-5	1,1,2,2-Tetrachloroethane	8.4	U
541-73-1	1,3-Dichlorobenzene	8.4	U
106-46-7	1,4-Dichlorobenzene	8.4	U
95-50-1	1,2-Dichlorobenzene	8.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.4	U
120-82-1	1,2,4-Trichlorobenzene	8.4	U
1330-20-7	Xylene (total)	8.4	U
79-20-9	Methyl acetate	8.4	U
110-82-7	Cyclohexane	8.4	U
108-87-2	Methylcyclohexane	8.4	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

Number TICs found: 1

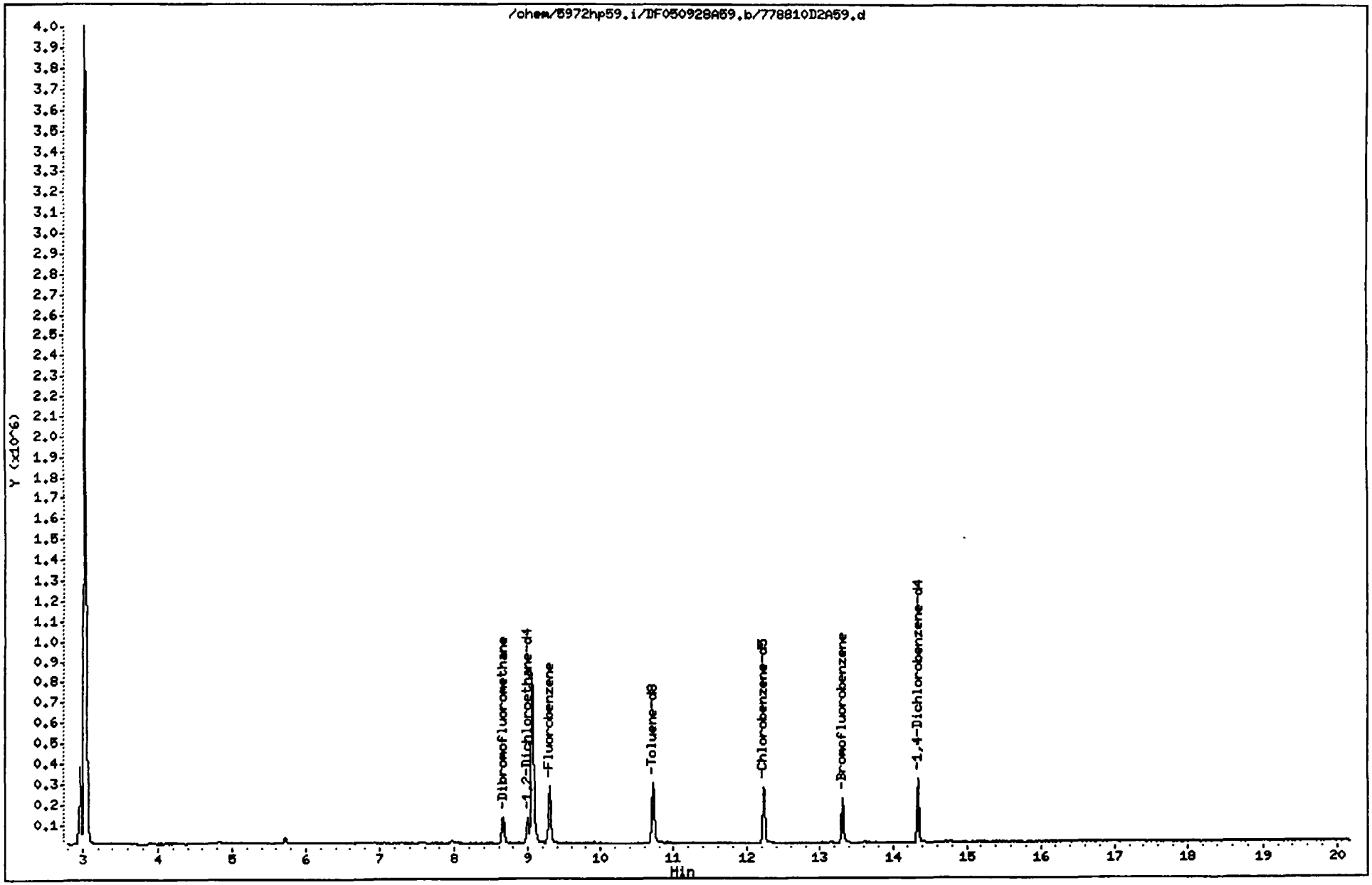
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHYL ETHER	5.73	16	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/DF050928A59.b/778810D2A59.d
Date : 28-SEP-2005 19:24
Client ID: ACSCWDUP0326DL
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778810D2A59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778810D2A59.d
Lab Smp Id: 778810 Client Smp ID: ACSGWDUP0326DL
Inj Date : 28-SEP-2005 19:24
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 24
Dil Factor: 1.67000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.67000	Dilution Factor
Vo	5.00000	volume of water
DF	1.67000	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	9.284	9.284	(1.000)	339176	250.000	
* 2 Chlorobenzene-d5	117	12.220	12.219	(1.000)	202888	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	96278	250.000	
$ 4 Dibromofluoromethane	113	8.664	8.653	(0.933)	95325	241.567	81
$ 5 1,2-Dichloroethane-d4	65	8.989	8.988	(0.968)	93499	263.106	88
$ 6 Toluene-d8	98	10.722	10.712	(0.877)	288733	249.243	83
$ 7 Bromofluorobenzene	95	13.313	13.302	(0.929)	109216	244.494	82
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	4.822	4.812	(0.519)	14634	58.8356	20
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.					

MZ
9-29-05

Data File: /chem/5972hp59.i/DF050928A59.b/778810D2A59.d
Report Date: 29-Sep-2005 00:06

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	9.058	9.057	(0.976)	972894	688.153	230
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/DF050928A59.b/778810D2A59.d

Date : 28-SEP-2005 19:24

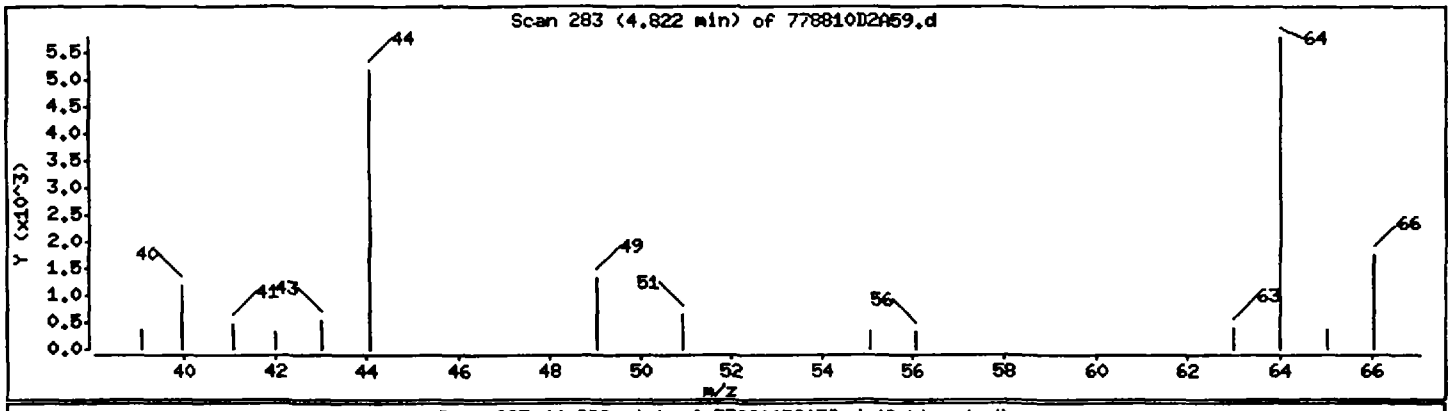
Client ID: ACSGWDUP0326DL | Instrument: 5972hp59.i

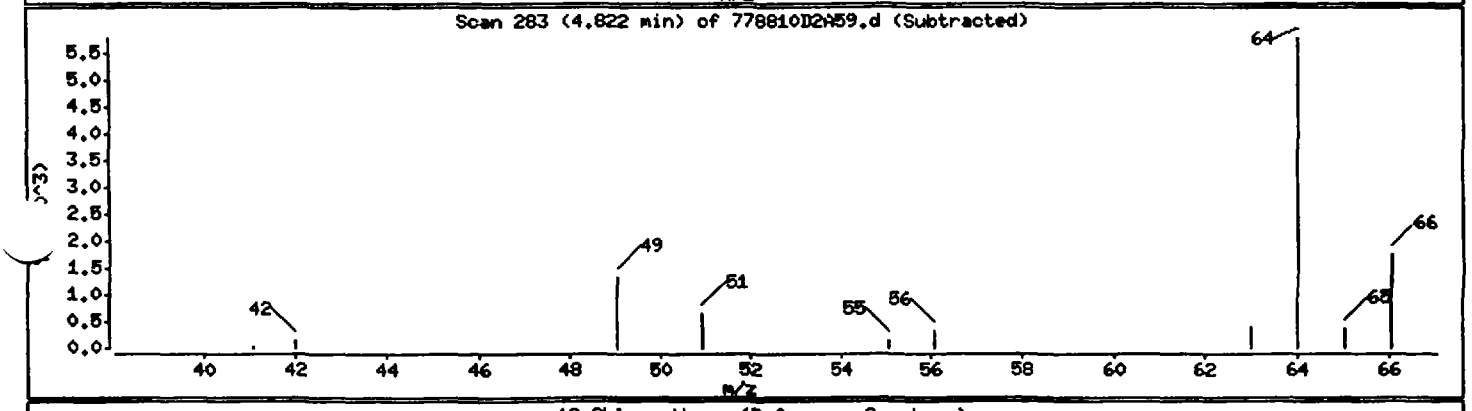
Sample Info:

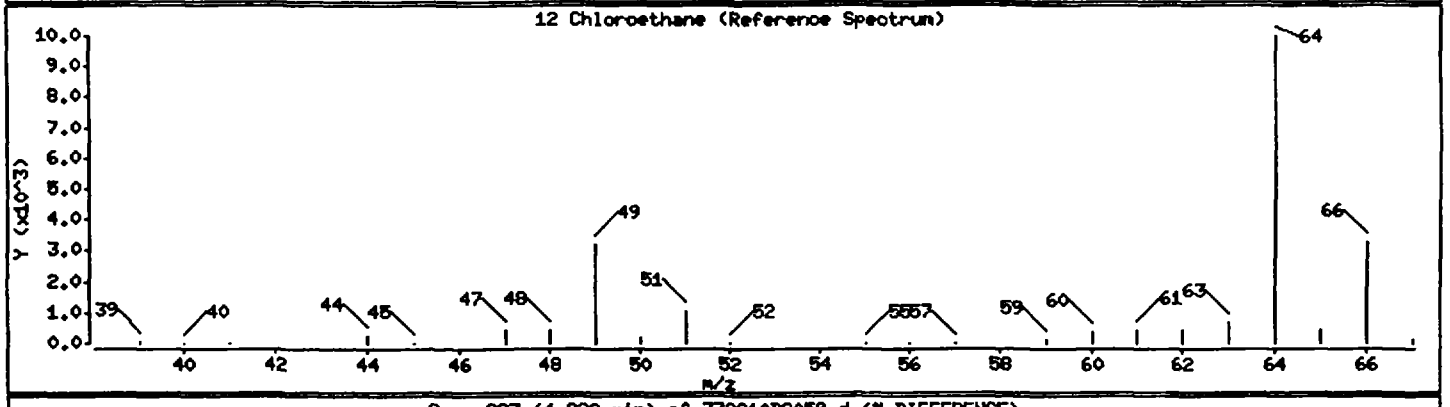
Purge Volume: 5.0 | Operator: 2473

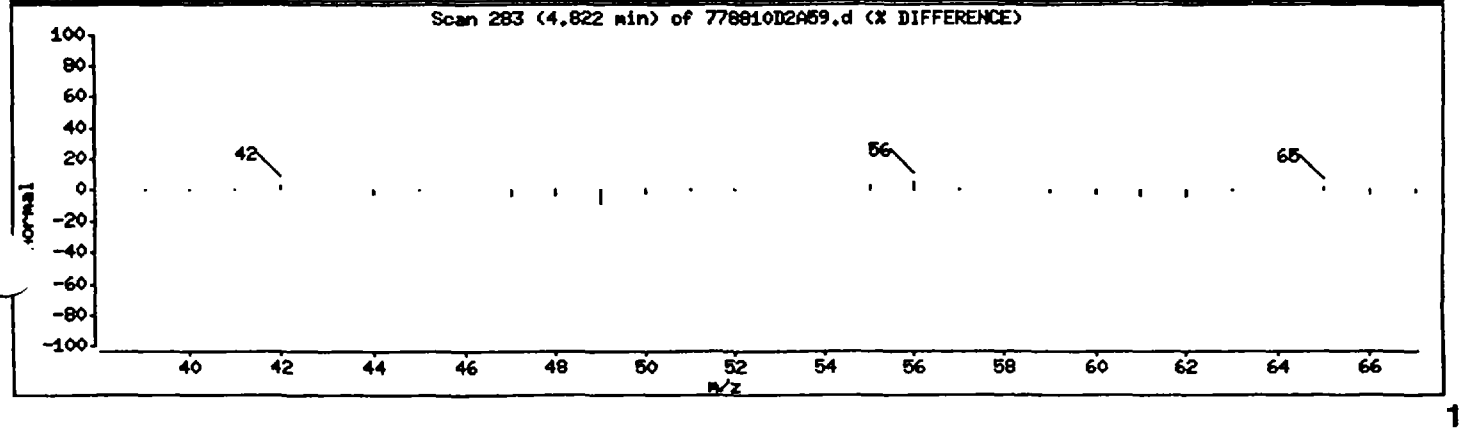
Column phase: ZB-624 | Column diameter: 0.32

12 Chloroethane | Concentration: 20 ug/L









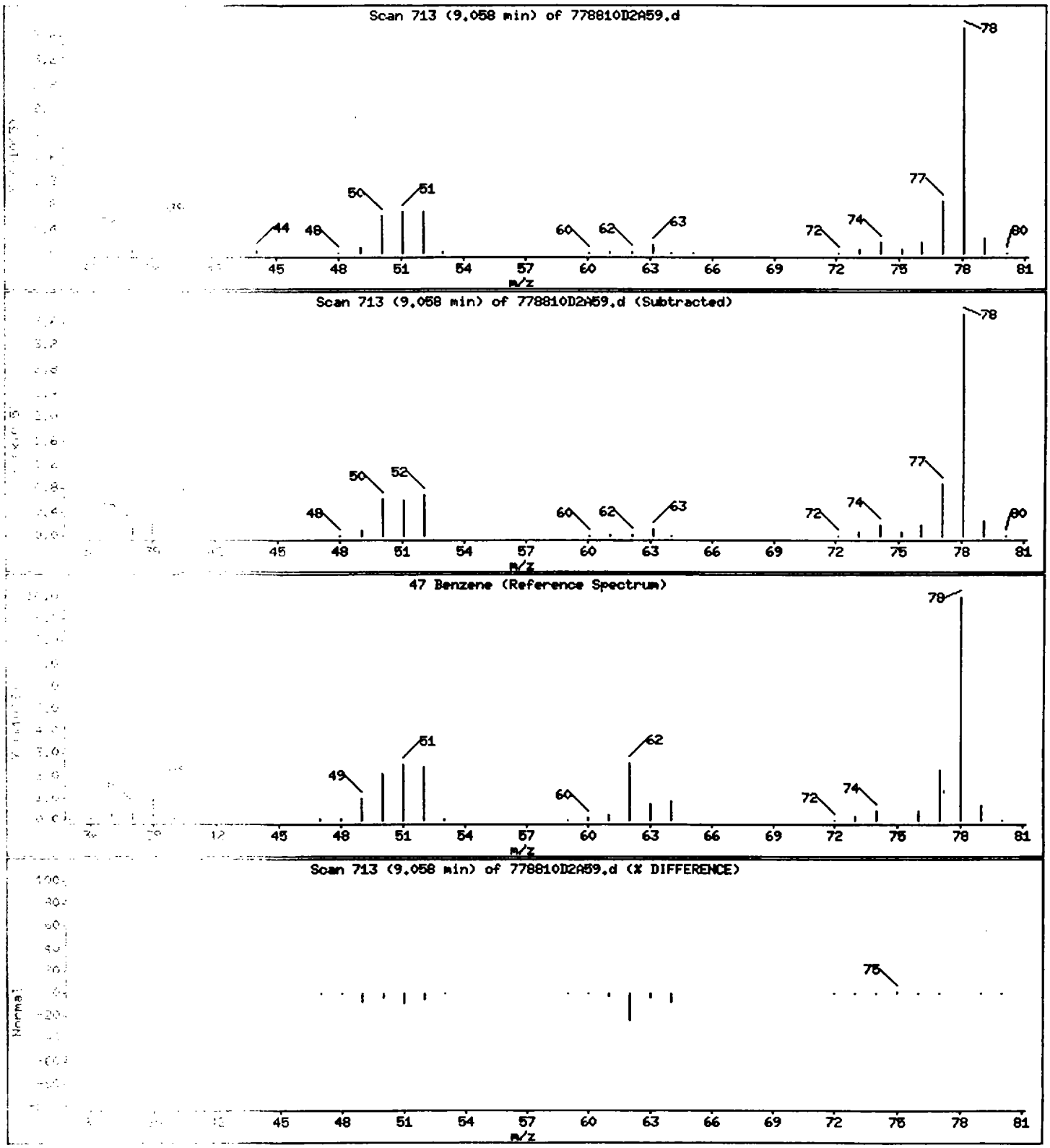
/5972hp59.i/DF050928A59.b/778810D2A59.d

Instrument: 5972hp59.i

Operator: 2473

Column diameter: 0.32

Concentration: 230 ug/L



Data File: /chem/5972hp59.i/DF050928A59.b/778810D2A59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778810D2A59.d
Lab Smp Id: 778810 Client Smp ID: ACSGWDUP0326DL
Inj Date : 28-SEP-2005 19:24
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 24
Dil Factor: 1.67000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.67000	Dilution Factor
Vo	5.00000	volume of water
DF	1.67000	dilution factor

pnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.284	727116	250.000

	CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Ethyl ether					CAS #: 60-29-7			
5.729	139419	47.9357611	16	90	NBS129K.l	108348	1	

Data File: /chem/5972hp59.i/DF050928A59.b/778810D2A59.d

Date : 28-SEP-2005 19:24

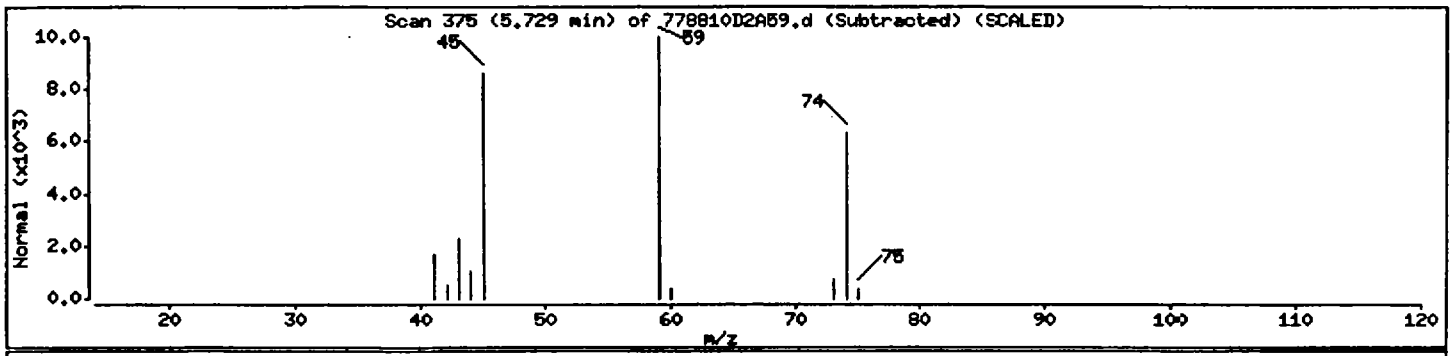
Client ID: ACSGWDUP0326DL | Instrument: 5972hp59.i

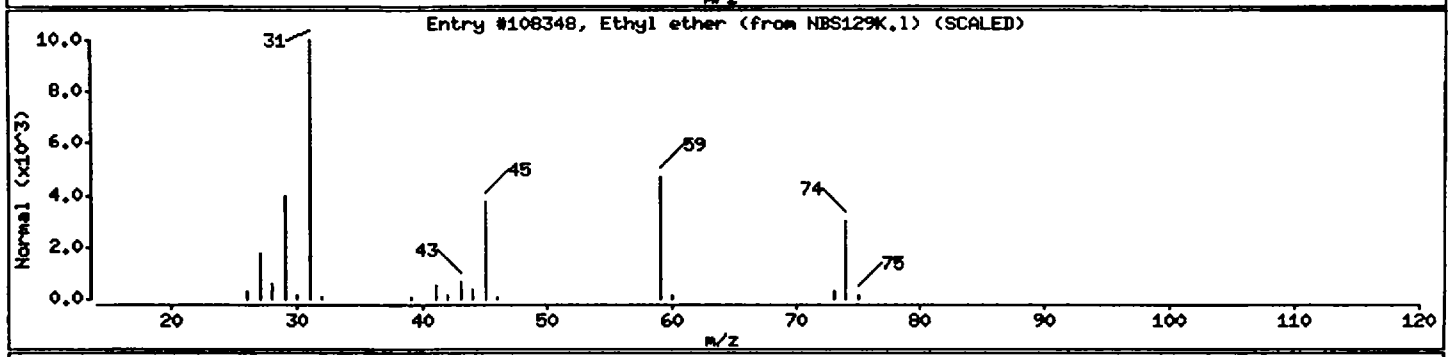
Sample Info:

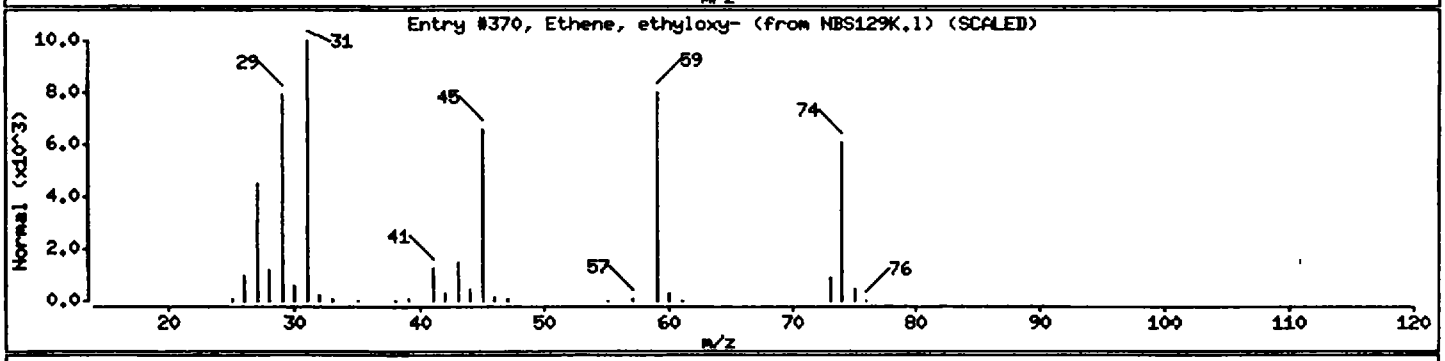
Purge Volume: 5.0 | Operator: 2473

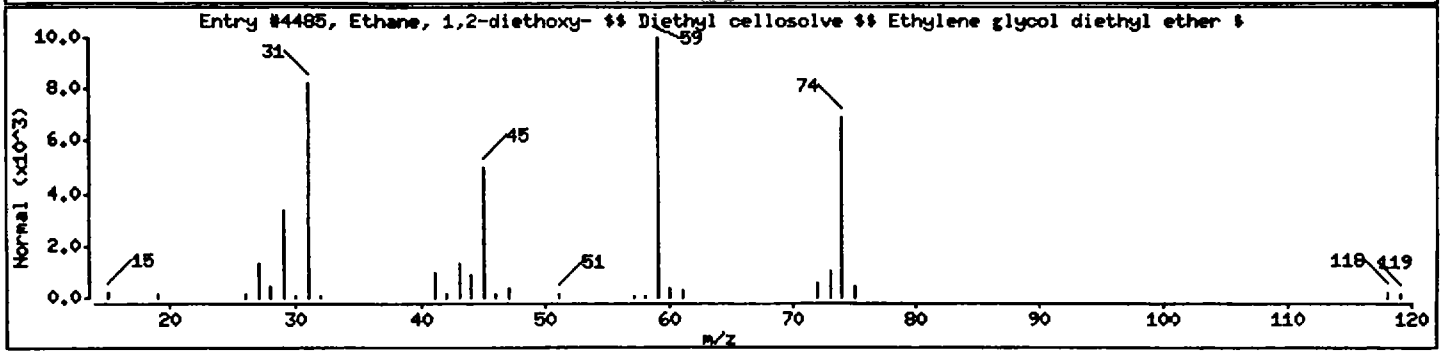
Column phase: ZB-624 | Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether	60-29-7	NBS129K.l	108348	90	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	72	C4H10O	74
Ethane, 1,2-diethoxy- $$ Diethyl celloso	629-14-1	NBS129K.l	4485	42	C6H14O2	118









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.3	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	2.1	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.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: [illegible]CHEM Contract: 8260B

Lab Code: [illegible]TY Case No.: SAS No.: SDG No.: 7788

Matrix (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: [illegible]24 ID: 0.32 (mm) Dilution Factor: 1.0

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

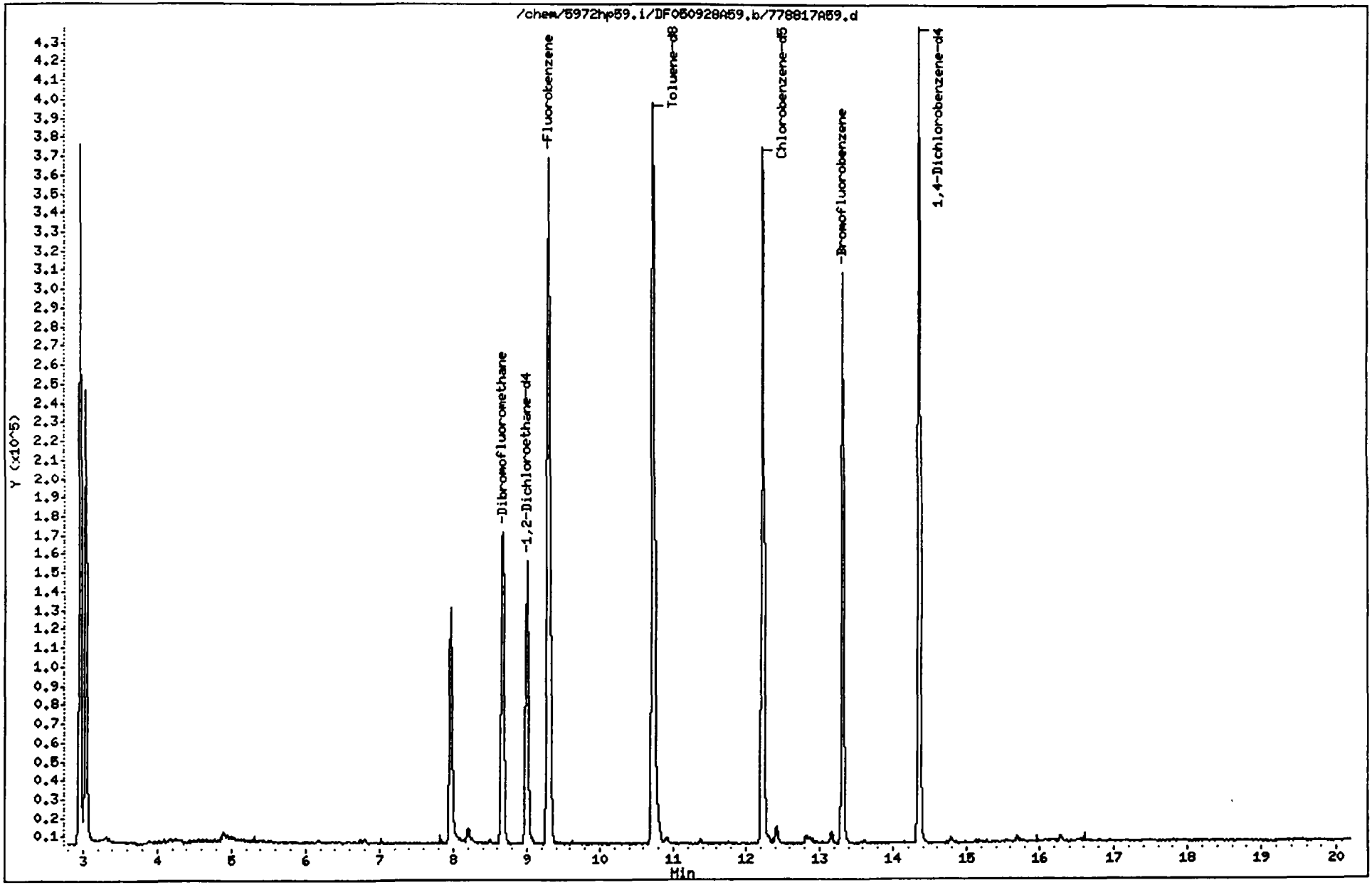
Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	7.96	19	J

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d
Date : 28-SEP-2005 17:03
Client ID: ACSGWEB0226
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778817A59.d
Lab Smp Id: 778817 Client Smp ID: ACSGWEB0226
Inj Date : 28-SEP-2005 17:03
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 19
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	9.288	9.284	(1.000)	472057	250.000	
* 2 Chlorobenzene-d5	117	12.223	12.219	(1.000)	280624	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.341	14.337	(1.000)	134324	250.000	
$ 4 Dibromofluoromethane	113	8.668	8.653	(0.933)	129140	235.138	47
$ 5 1,2-Dichloroethane-d4	65	8.993	8.988	(0.968)	121394	245.444	49
$ 6 Toluene-d8	98	10.726	10.712	(0.878)	405865	253.303	51
$ 7 Bromofluorobenzene	95	13.317	13.302	(0.929)	149327	239.604	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

M2
9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d
Report Date: 29-Sep-2005 00:07

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	8.205	8.190	(0.883)	3786	6.46853	1.3(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	10.795	10.791	(0.883)	11365	10.2765	2.1(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/DF050928A59.b/778817A59.d

Date : 28-SEP-2005 17:03

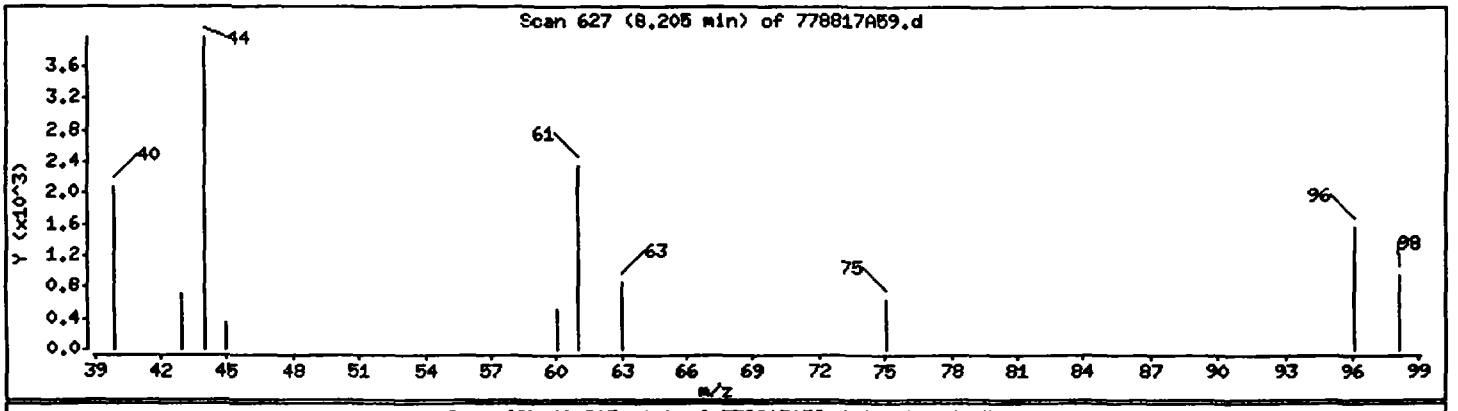
Client ID: ACSGWEB0226 Instrument: 5972hp59.i

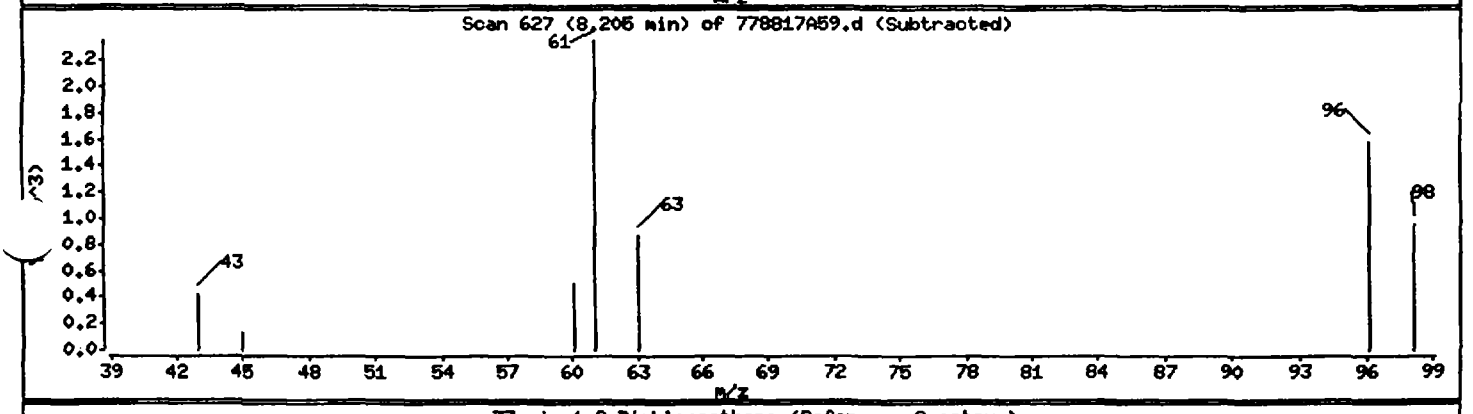
Sample Info:

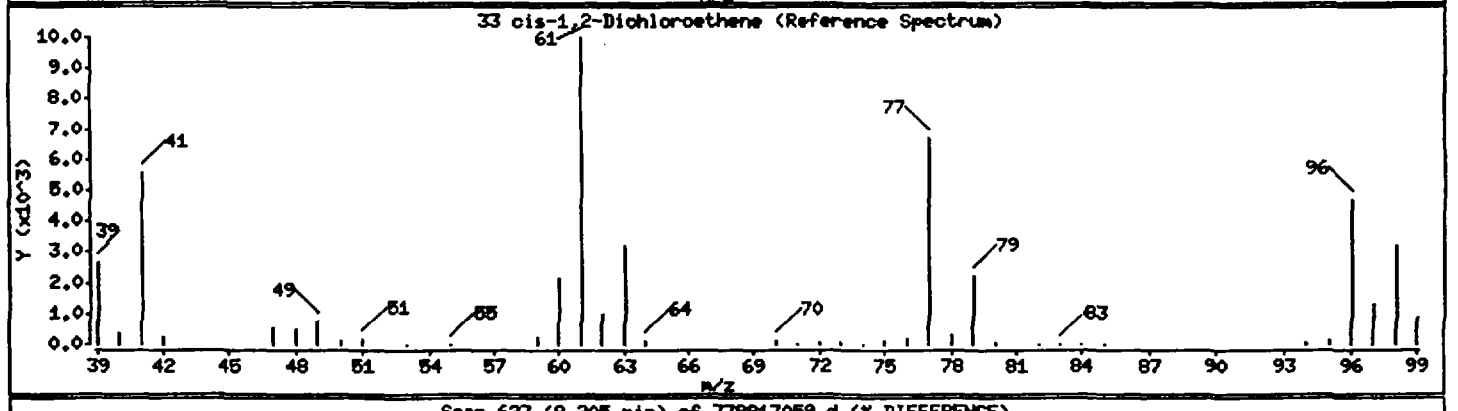
Purge Volume: 5.0 Operator: 2473

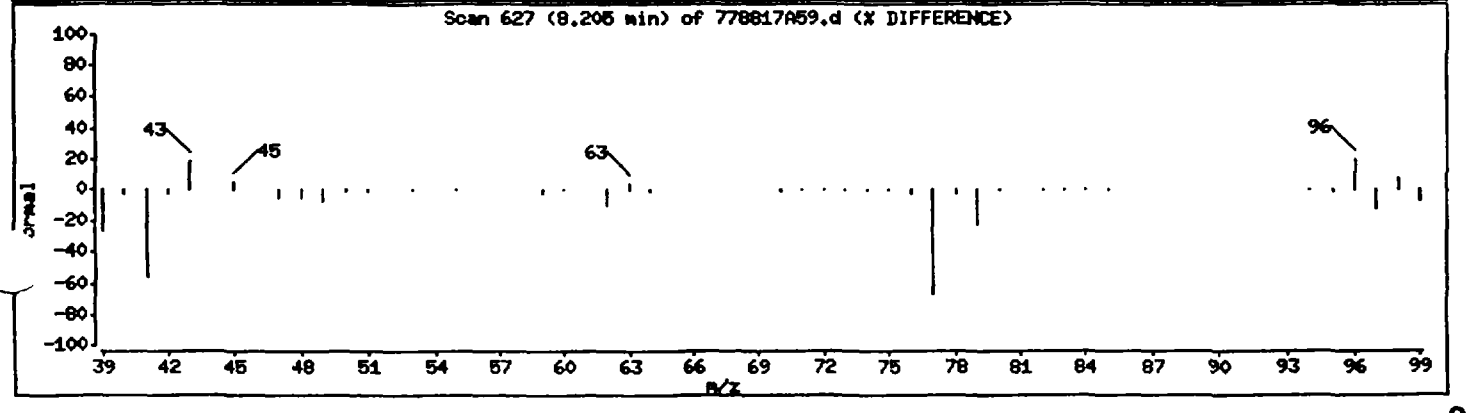
Column phase: ZB-624 Column diameter: 0.32

33 cis-1,2-Dichloroethene Concentration: 1.3 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d

Date : 28-SEP-2005 17:03

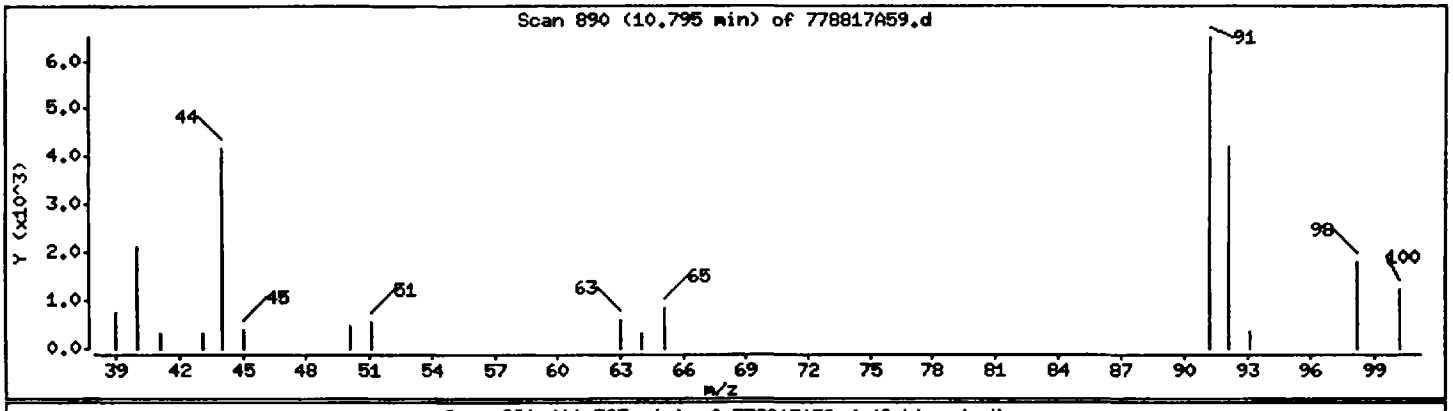
Client ID: ACSGWEB0226 Instrument: 5972hp59.i

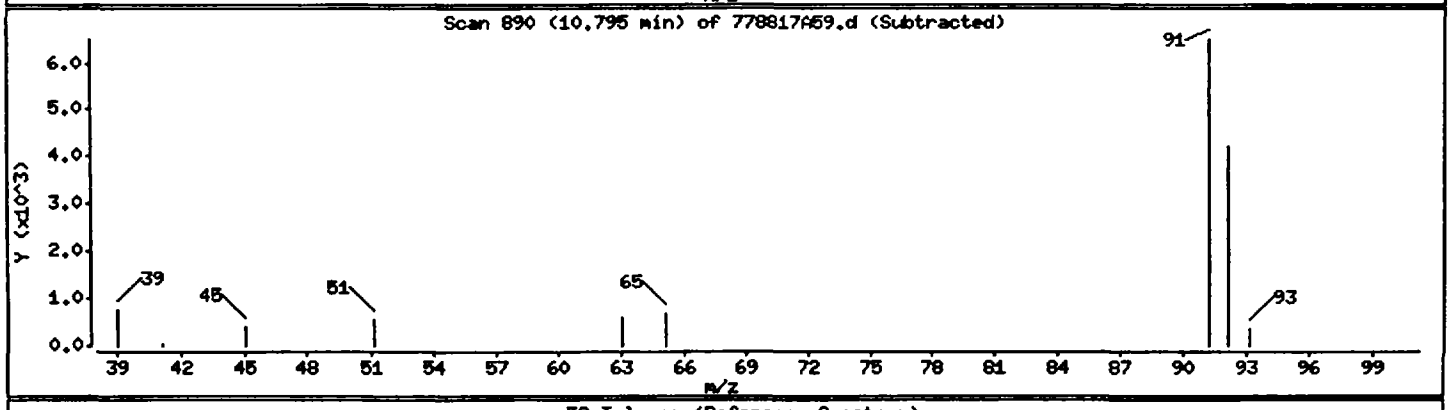
Sample Info:

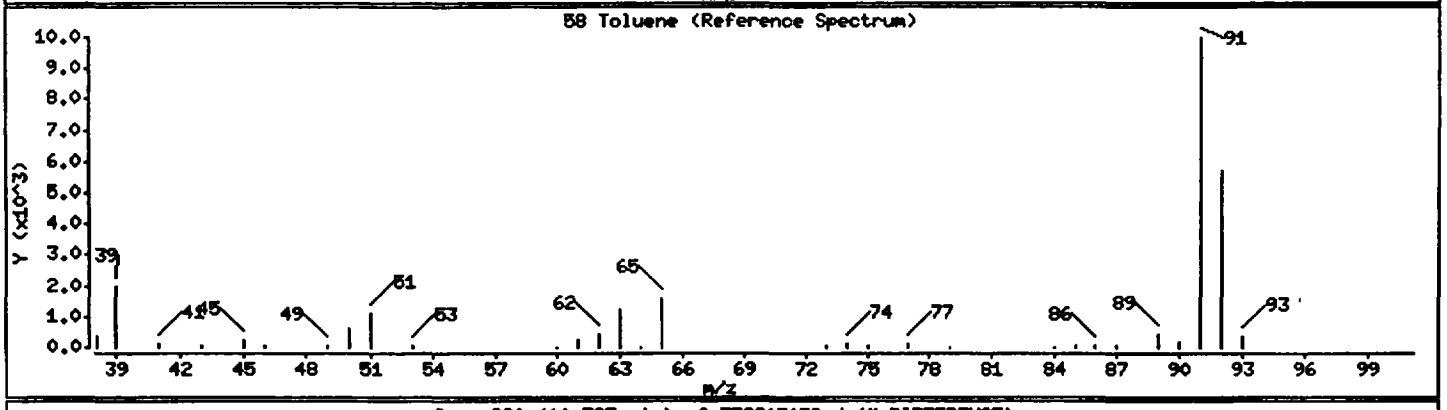
Purge Volume: 5.0 Operator: 2473

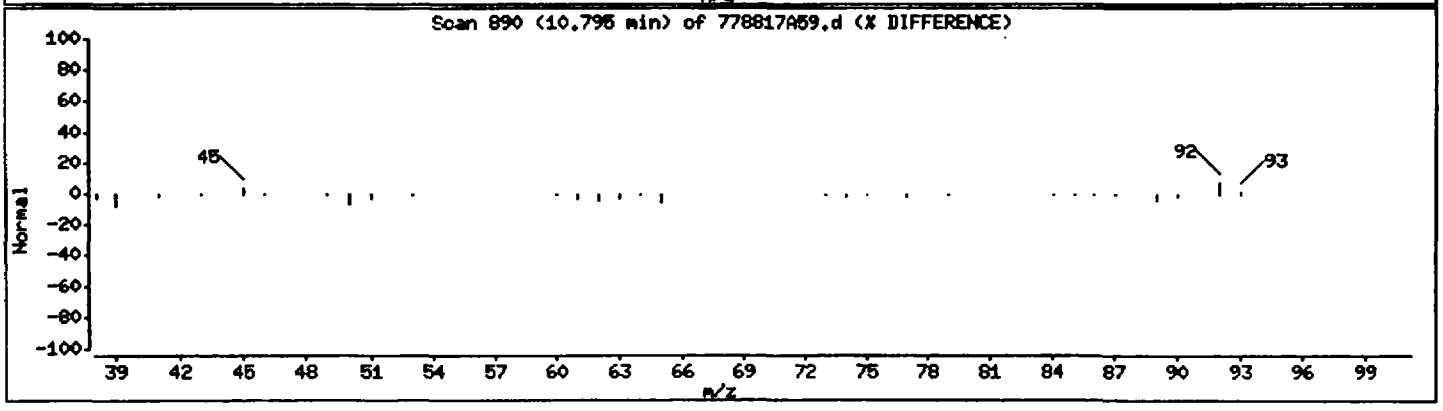
Column phase: ZB-624 Column diameter: 0.32

58 Toluene Concentration: 2.1 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778817A59.d
Lab Smp Id: 778817 Client Smp ID: ACSGWEB0226
Inj Date : 28-SEP-2005 17:03
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 19
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	9.288	995459	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.959	370203	92.9728596	19	0		0	1

Data File: /chem/5972hp59.i/DF050928A59.b/778817A59.d

Date : 28-SEP-2005 17:03

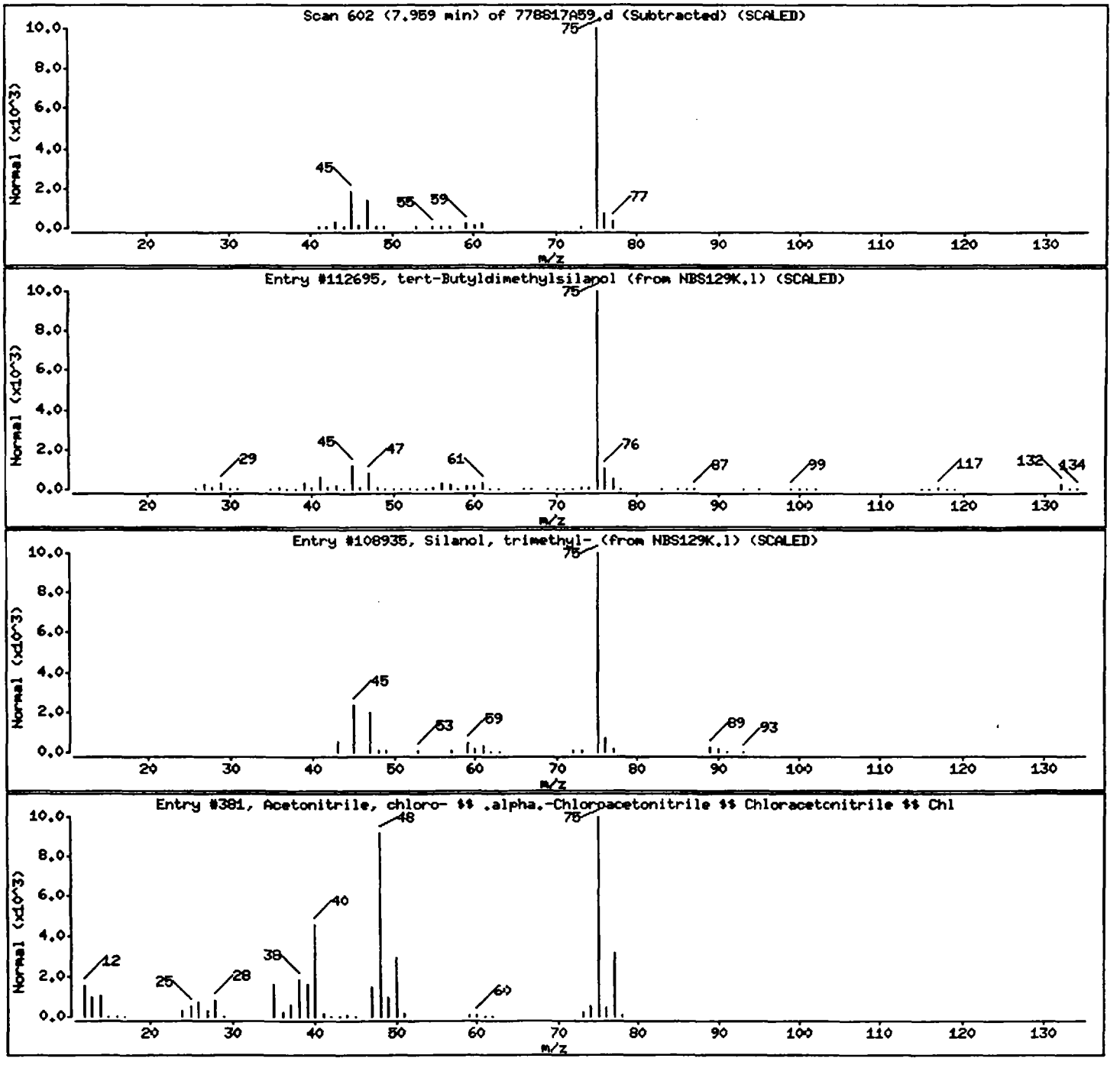
Client ID: ACSGWEB0226 Instrument: 5972hp59.i

Sample Info:

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	64	C6H16OSi	132
Silanol, trimethyl-	1066-40-6	NBS129K.l	108935	47	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.

ACSGWEB0326

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.97	6.9	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
14.					
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16.					
17.					
18.					
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20.					
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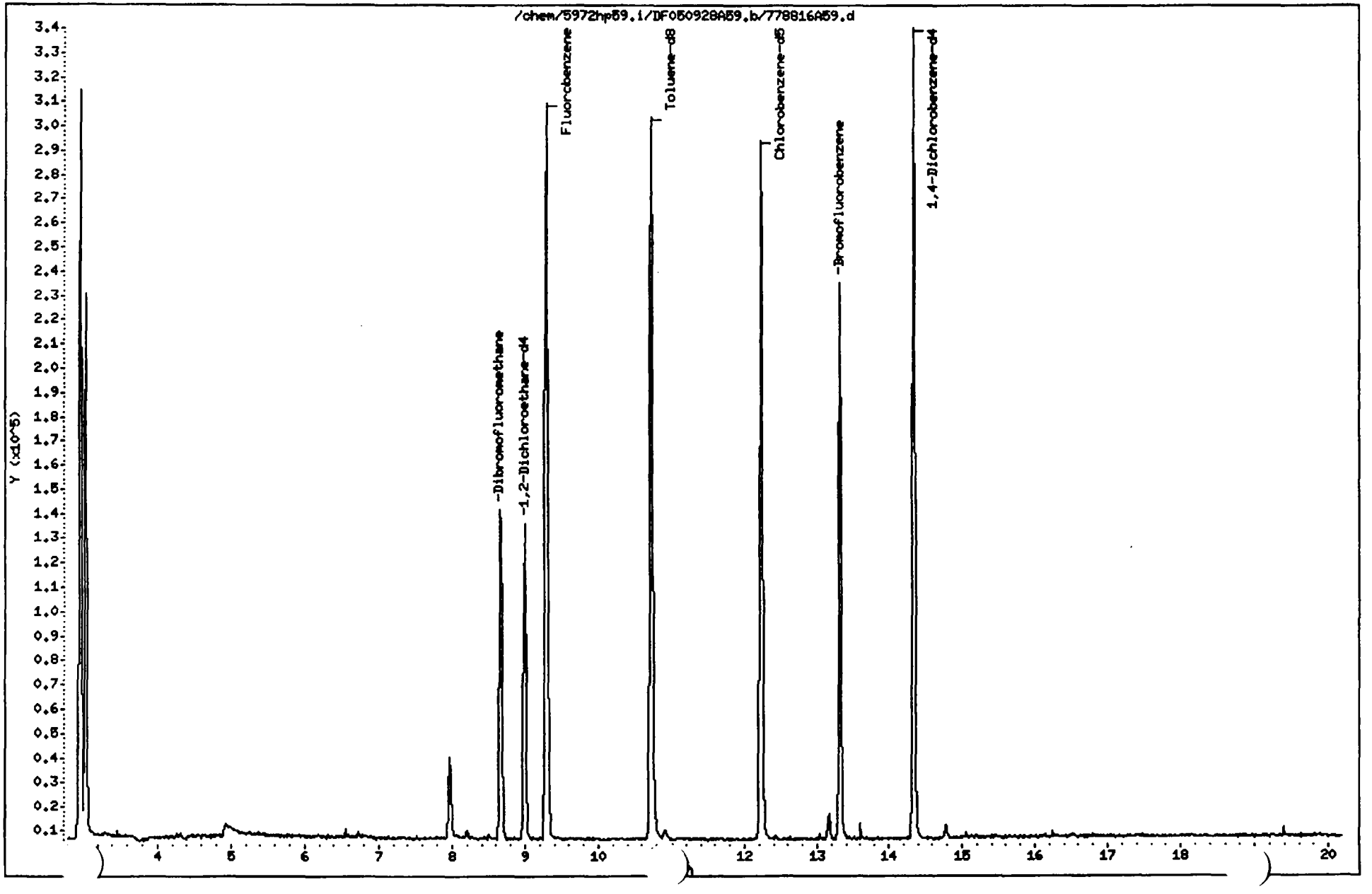
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778816A59.d
Date : 28-SEP-2005 15:43
Client ID: ACSGWEB0326
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778816A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778816A59.d
Lab Smp Id: 778816 Client Smp ID: ACSGWEB0326
Inj Date : 28-SEP-2005 15:43
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 17
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	9.289	9.284	(1.000)	357468	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.219	(1.000)	215812	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.341	14.337	(1.000)	104541	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.653	(0.932)	101296	243.563	49
$ 5 1,2-Dichloroethane-d4	65	8.993	8.988	(0.968)	98139	262.031	52
$ 6 Toluene-d8	98	10.717	10.712	(0.877)	307286	249.373	50
$ 7 Bromofluorobenzene	95	13.307	13.302	(0.928)	117802	242.870	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

MZ 9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/778816A59.d
Report Date: 29-Sep-2005 00:07

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	10.786	10.791	(0.882)	3217	3.78246	0.76(a)
59 trans-1,3-Dichloropropene	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	97	Compound Not Detected.					
61 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/DF050928A59.b/778816A59.d

Date : 28-SEP-2005 15:43

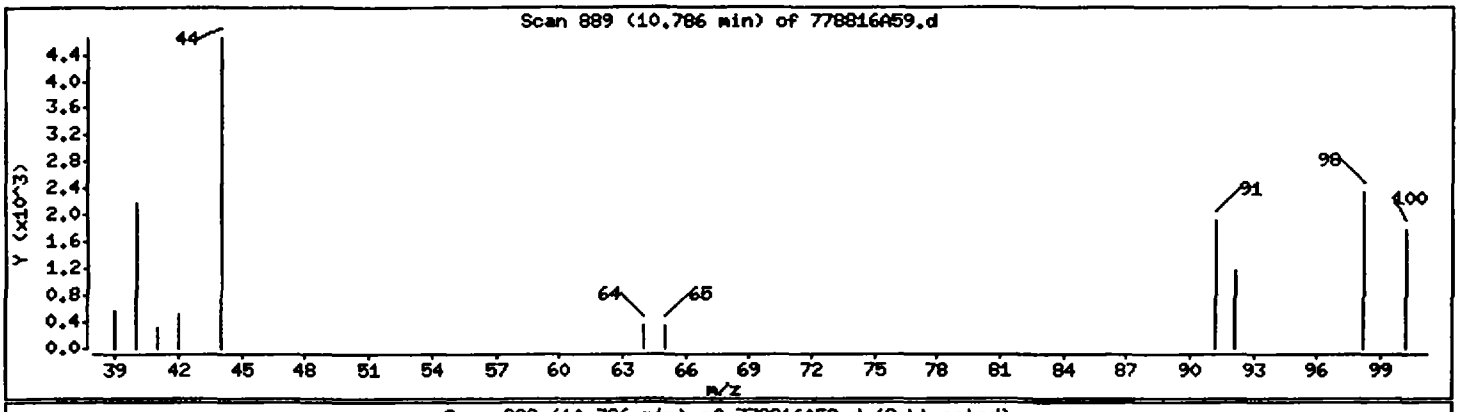
Client ID: ACSGWEB0326 | Instrument: 5972hp59.i

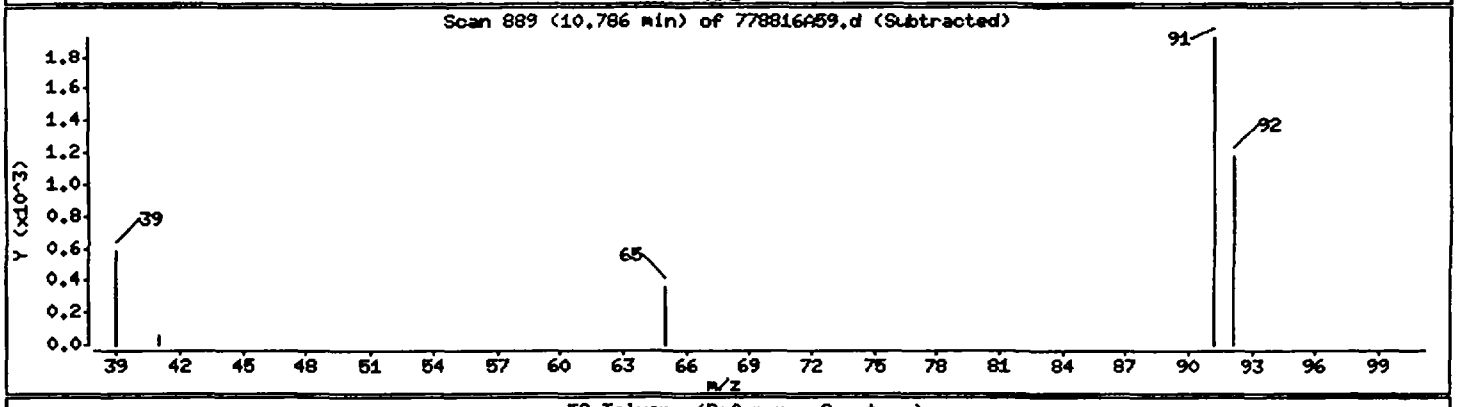
Sample Info:

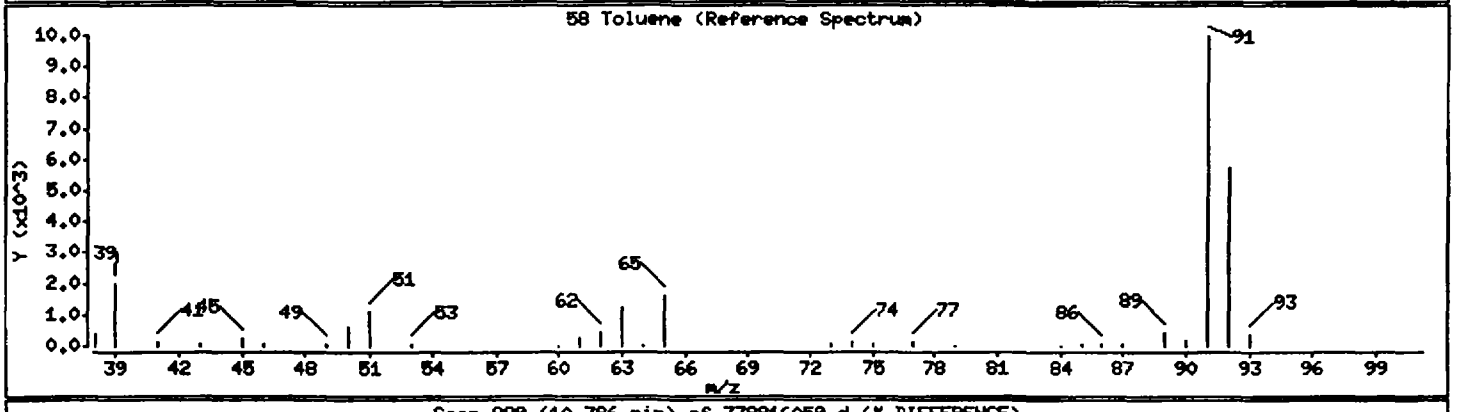
Purge Volume: 5.0 | Operator: 2473

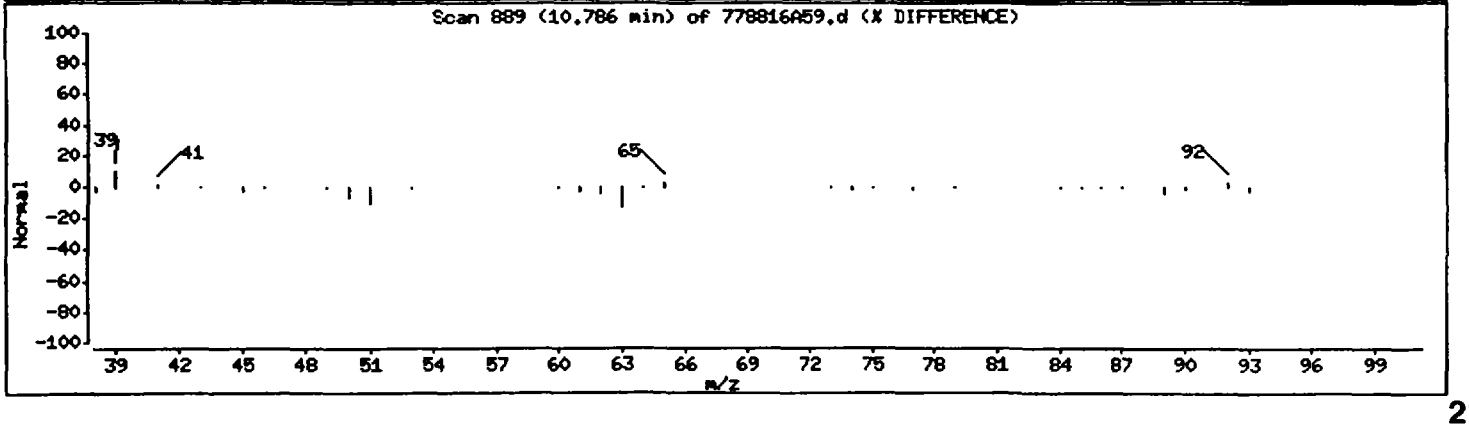
Column phase: ZB-624 | Column diameter: 0.32

58 Toluene | Concentration: 0.76 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778816A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778816A59.d
Lab Smp Id: 778816 Client Smp ID: ACSGWEB0326
Inj Date : 28-SEP-2005 15:43
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 17
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	9.289	749964	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.969	104090	34.6982822	6.9	0		0	1

Data File: /chem/5972hp59.i/DF050928A59.b/778816A59.d

Date : 28-SEP-2005 15:43

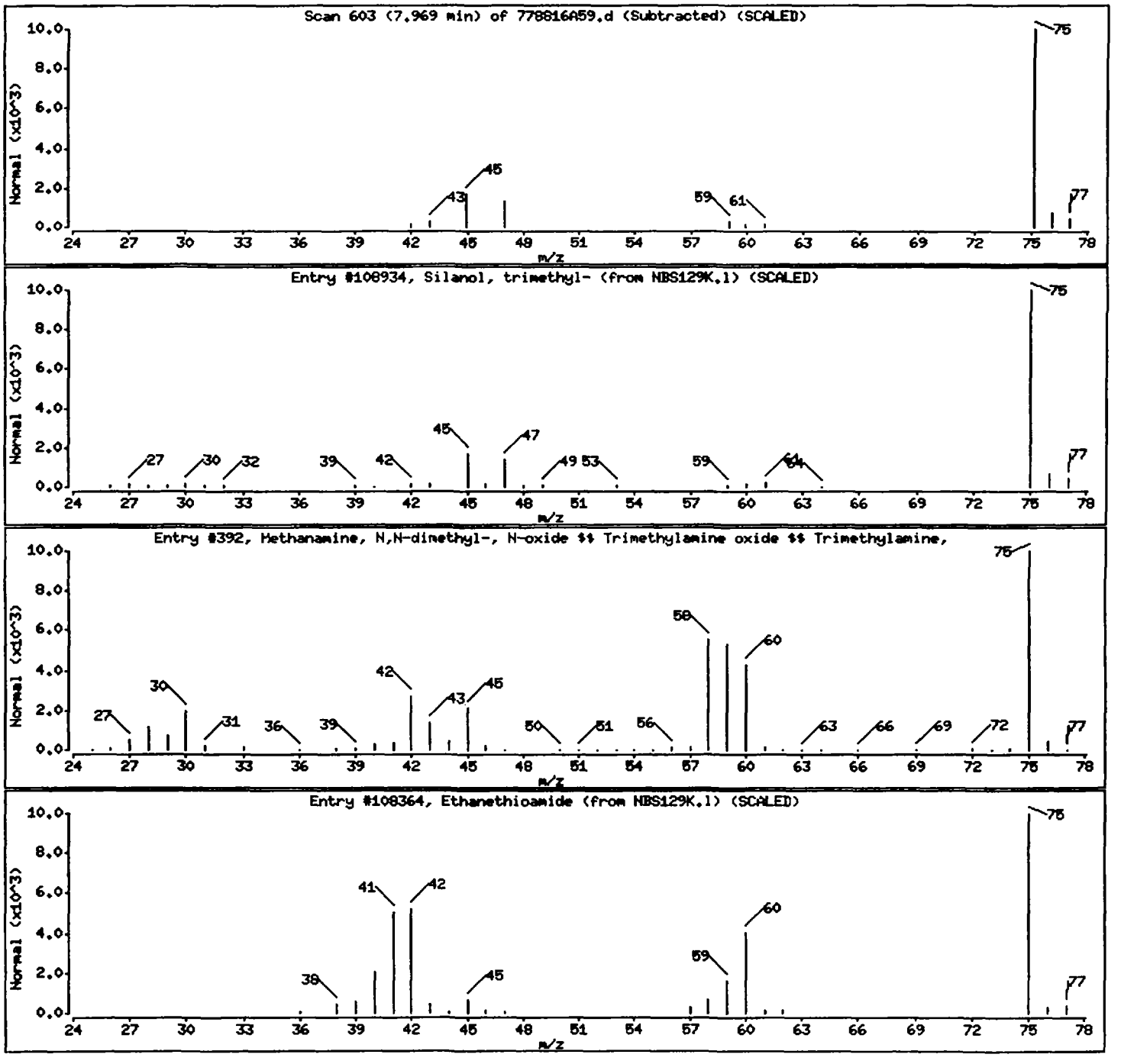
Client ID: ACSGHEB0326 Instrument: 5972hp59.i

Sample Info:

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						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	83	C3H10OSi	90
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	7	C3H9NO	75
Ethanethioamide	62-55-5	NBS129K.l	108364	5	C2H5NS	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	14	
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	220	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.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	13	NJ
2. 1066-40-6	SILANOL, TRIMETHYL-	7.95	30	NJ
3.				
4.				
5.				
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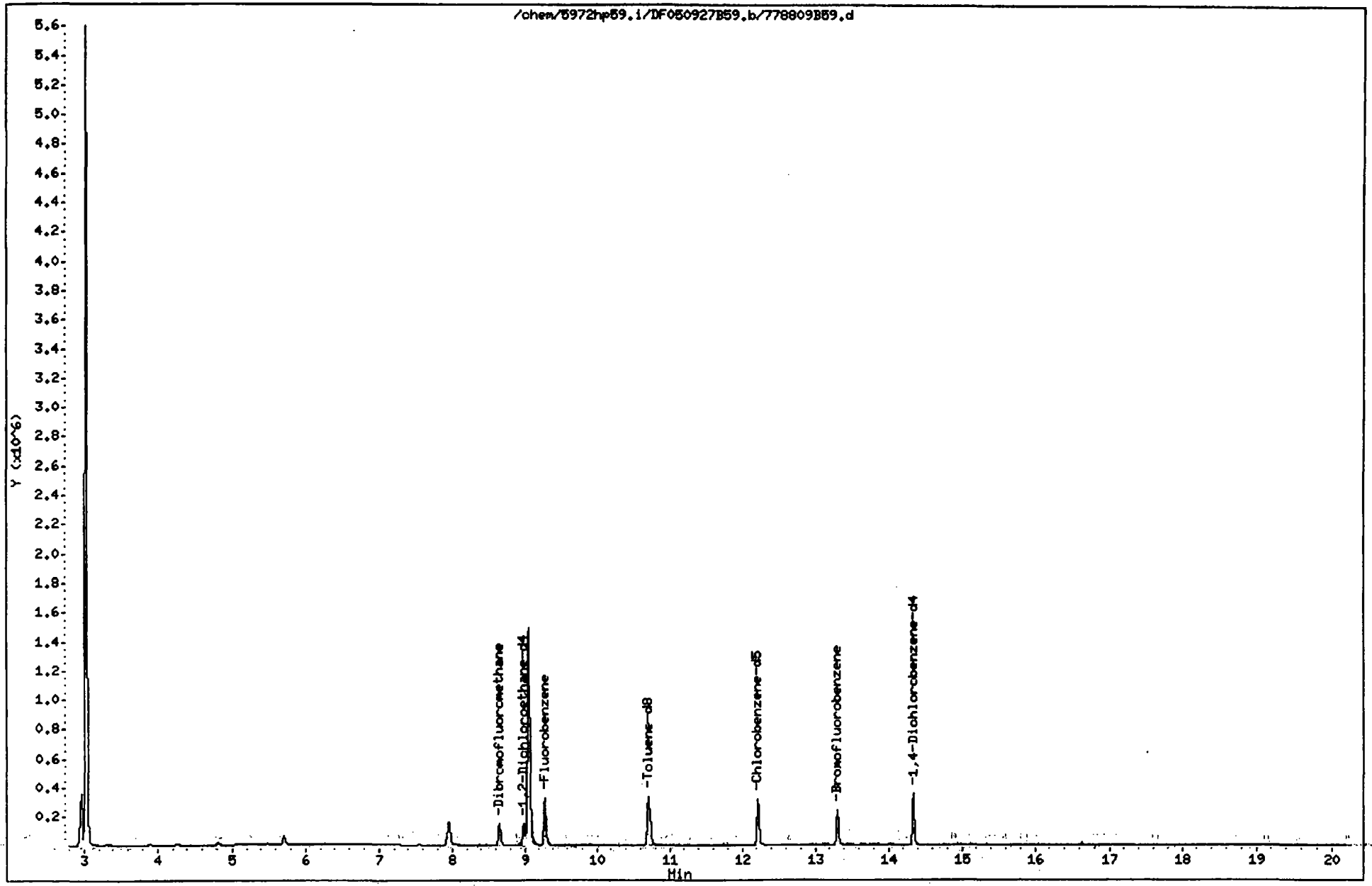
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d
Date : 28-SEP-2005 08:53
Client ID: ACSGWMW0626
Sample Info: 778809:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d
Report Date: 28-Sep-2005 06:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778809B59.d
Lab Smp Id: 778809 Client Smp ID: ACSGWMW0626
Inj Date : 28-SEP-2005 08:53
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778809:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 5
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	9.281	9.290	(1.000)	382377	250.000	
* 2 Chlorobenzene-d5	117	12.216	12.226	(1.000)	236298	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.334	14.333	(1.000)	114002	250.000	
$ 4 Dibromofluoromethane	113	8.650	8.660	(0.932)	109007	245.029	49
$ 5 1,2-Dichloroethane-d4	65	8.985	8.995	(0.968)	102452	255.728	51
$ 6 Toluene-d8	98	10.709	10.728	(0.877)	330317	244.824	49
$ 7 Bromofluorobenzene	95	13.299	13.309	(0.928)	127593	241.225	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	4.819	4.828	(0.519)	20561	70.1560	14 (M)
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.					

2

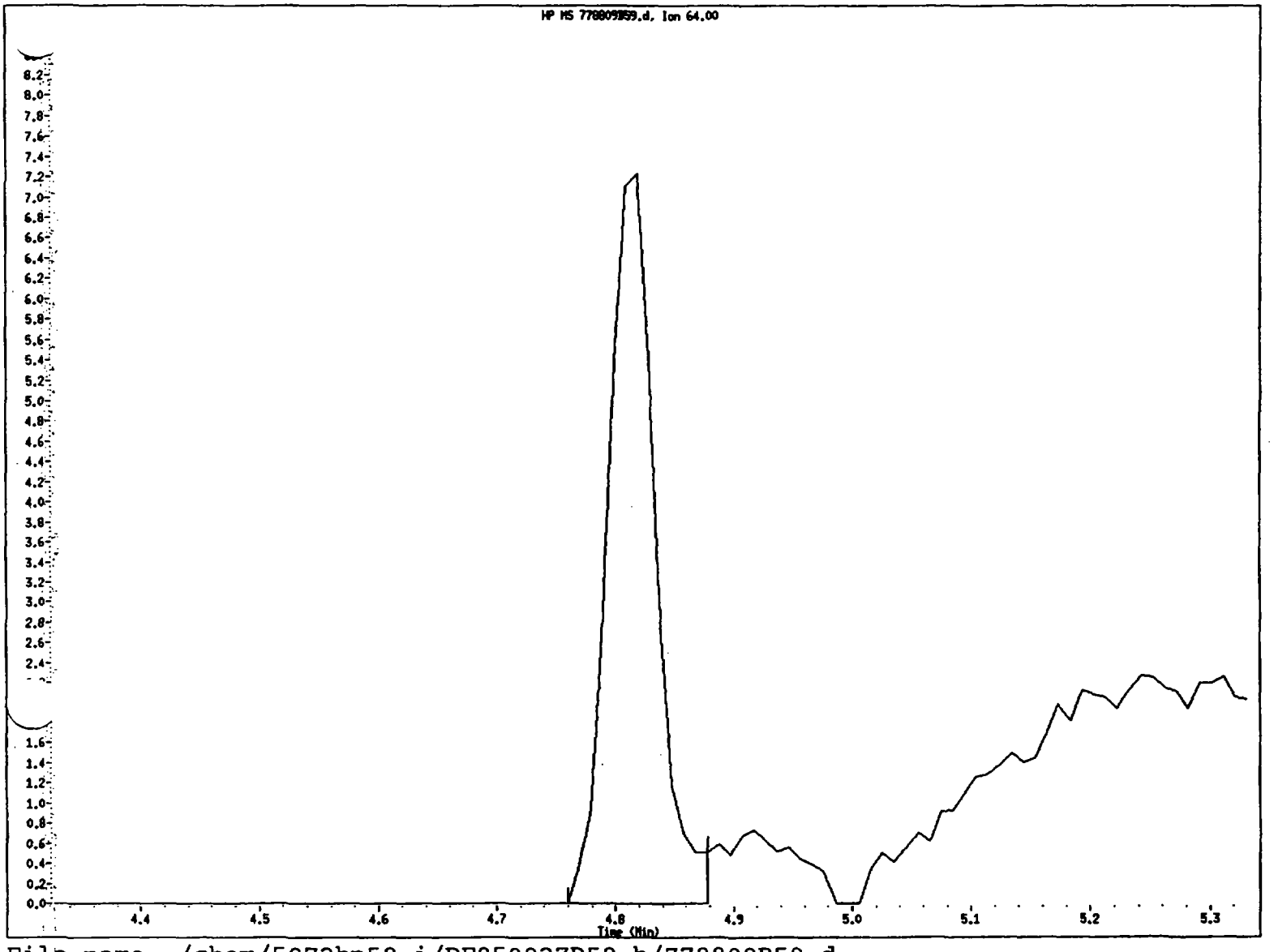
Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d
Report Date: 28-Sep-2005 06:01

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	9.054	9.064	(0.976)	1788796	1122.31	220(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.
M - Compound response manually integrated.

Chloroethane CAS Number 75-00-3 Area = 20561 Manually integrated



File name: /chem/5972hp59.i/DF050927B59.b/778809B59.d
Client ID: ACSGWMW0626
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 08:53
Retention Time: 4.82
Operator ID: 2481

Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d

Date : 28-SEP-2005 08:53

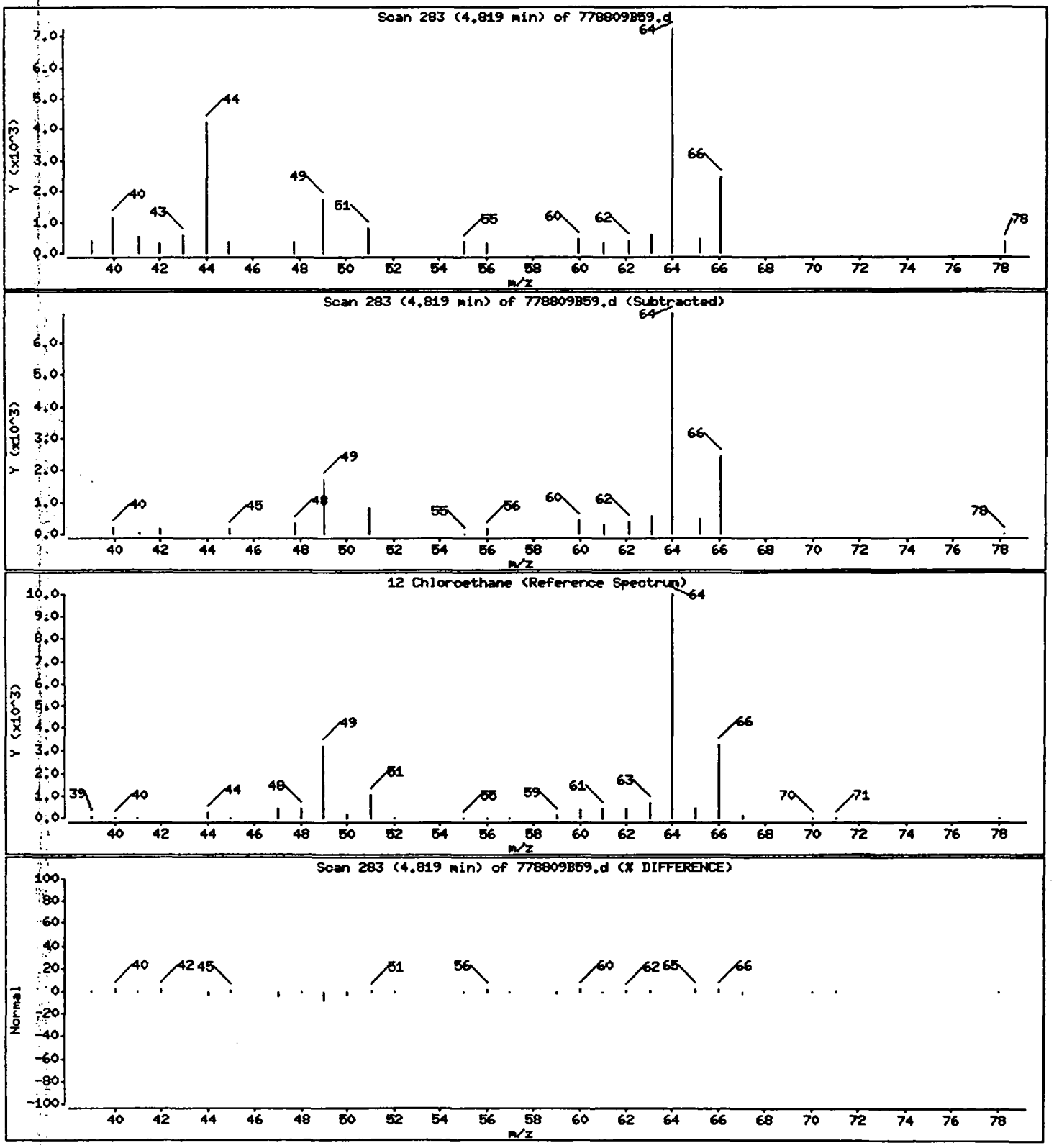
Client ID: ACSGWMW0626 | Instrument: 5972hp59.i

Sample Info: 778809:2481

Purge Volume: 5.0 | Operator: 2481

Column phase: ZB-624 | Column diameter: 0.32

12 Chloroethane | Concentration: 14 ug/L



Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d

Date : 28-SEP-2005 08:53

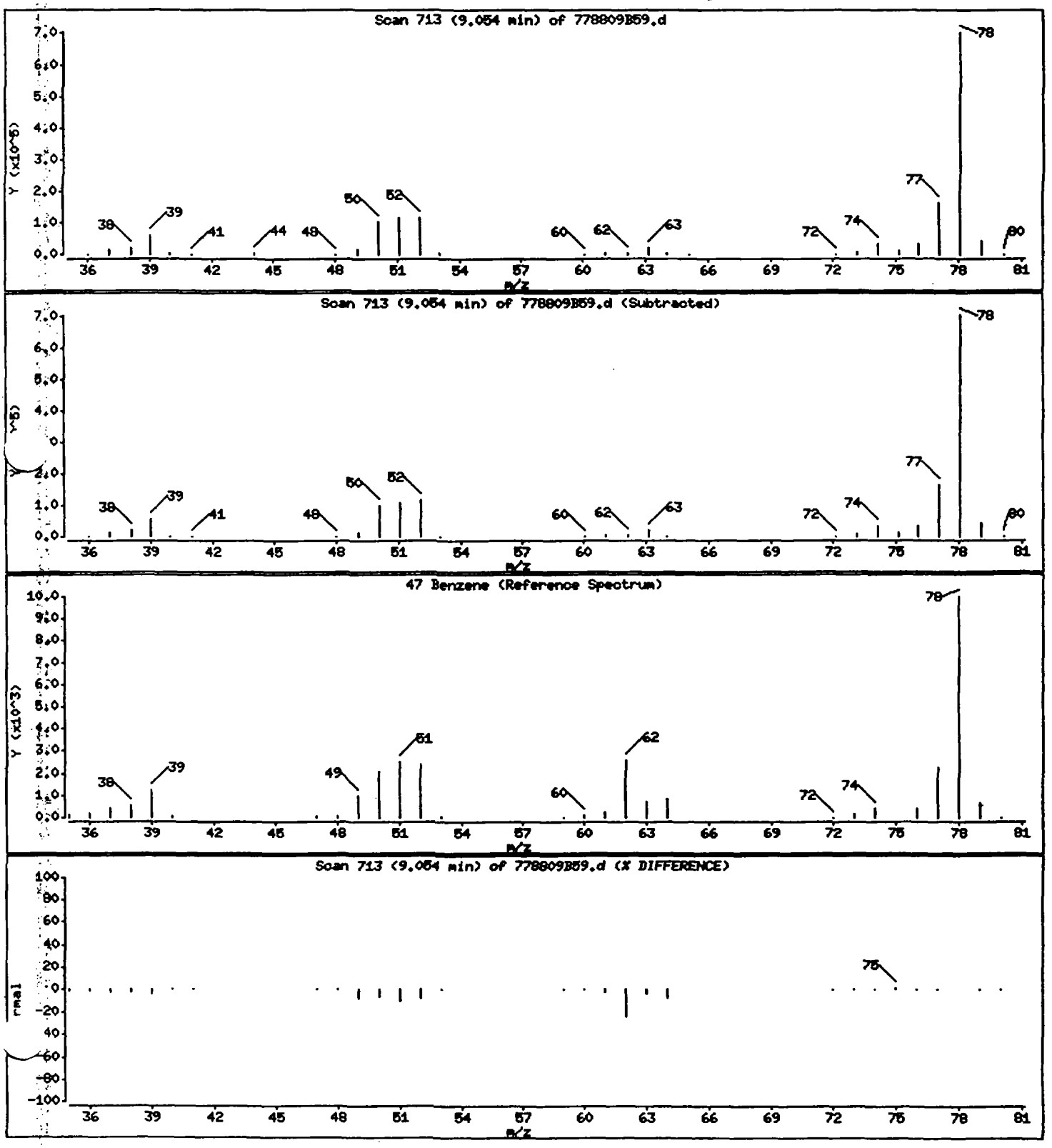
.ient ID: ACSGWMW0626 Instrument: 5972hp59.i

Sample Info: 778809;2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 220 ug/L



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Report Date: 28-Sep-2005 06:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778809B59.d
Lab Smp Id: 778809 Client Smp ID: ACSGWMW0626
Inj Date : 28-SEP-2005 08:53
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778809:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 5
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	9.281	855702	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether				CAS #: 60-29-7			
5.715	226501	66.1741323	13	91	NBS129K.1	108347	1
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
7.951	521012	152.217741	30	91	NBS129K.1	1041	1

Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d

Date : 28-SEP-2005 08:53

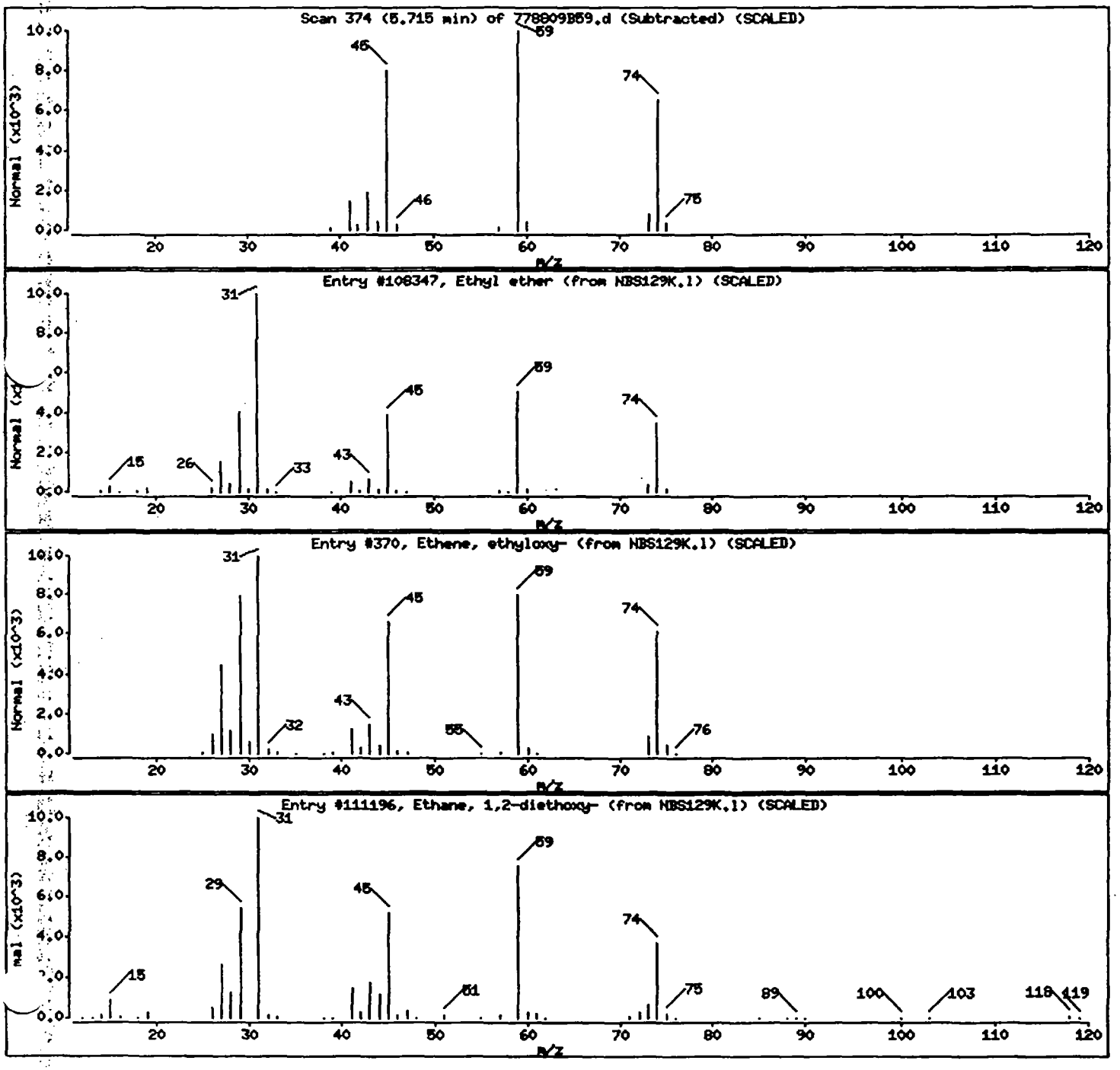
.ient ID: ACSCWW0626 Instrument: 5972hp59.i

Sample Info: 778809:2481

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	91	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	90	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111196	64	C6H14O2	118



Data File: /chem/5972hp59.i/DF050927B59.b/778809B59.d

Date : 28-SEP-2005 08:53

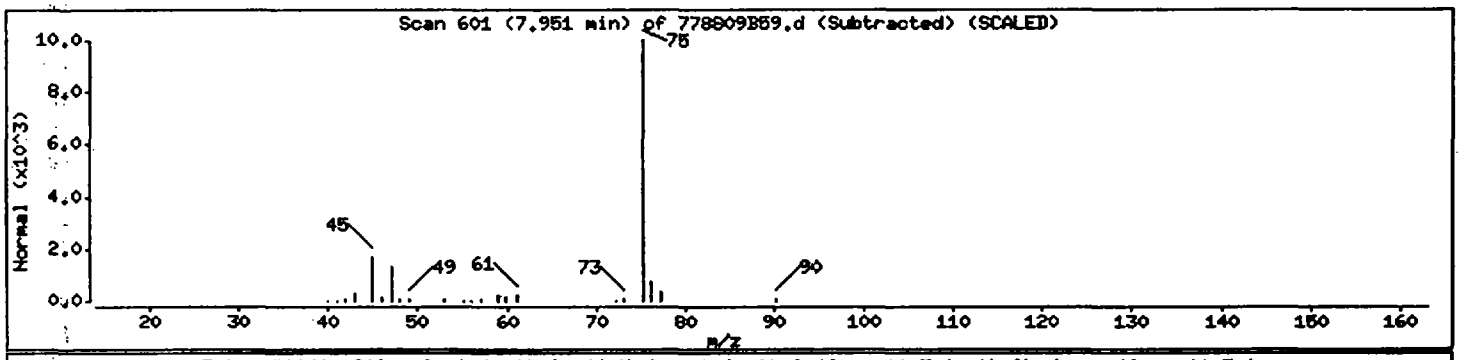
Client ID: ACSGWMW0626 Instrument: 5972hp59.i

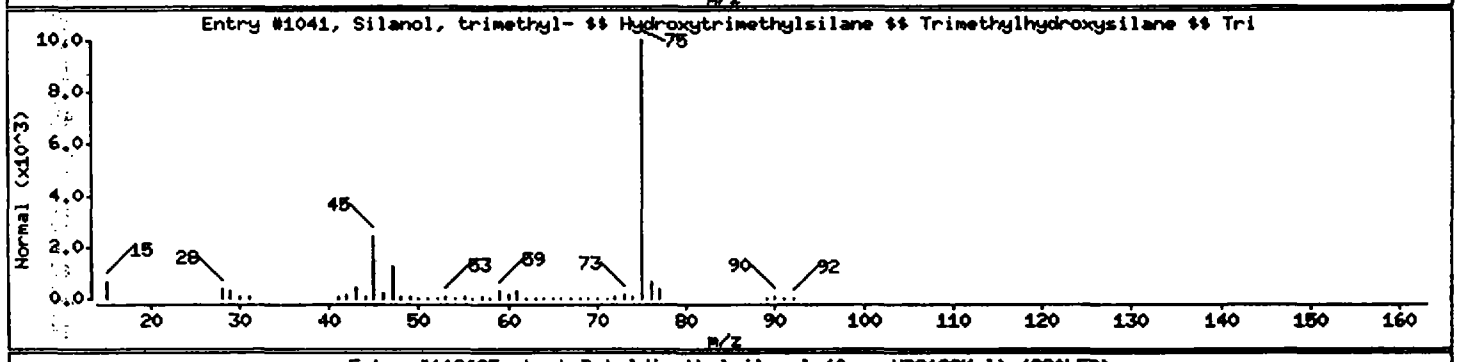
Sample Info: 778809:2481

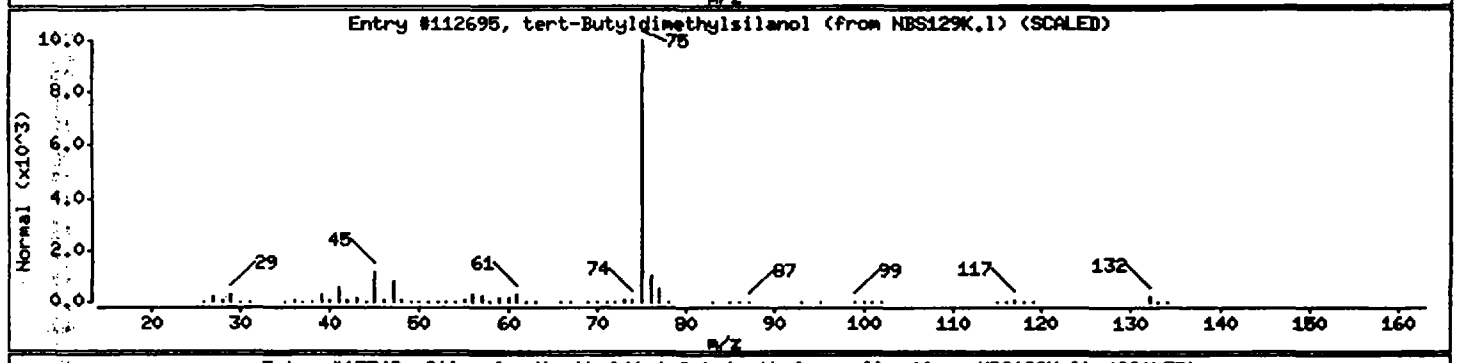
Purge Volume: 5.0 Operator: 2481

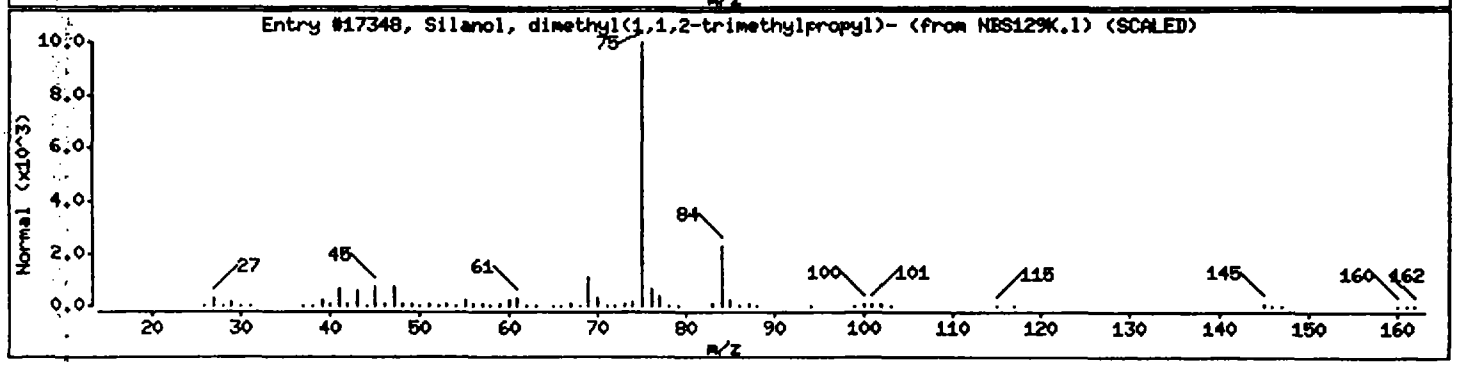
Column phase: ZB-624 Column diameter: 0.32

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	83	C8H20OSi	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	29	D
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon disulfide	10	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	10	U
67-64-1	Acetone	25	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-butanone	25	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-hexanone	25	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropyl Benzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Xylene (total)	10	U
79-20-9	Methyl acetate	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	5.73	15	NJD
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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21.					
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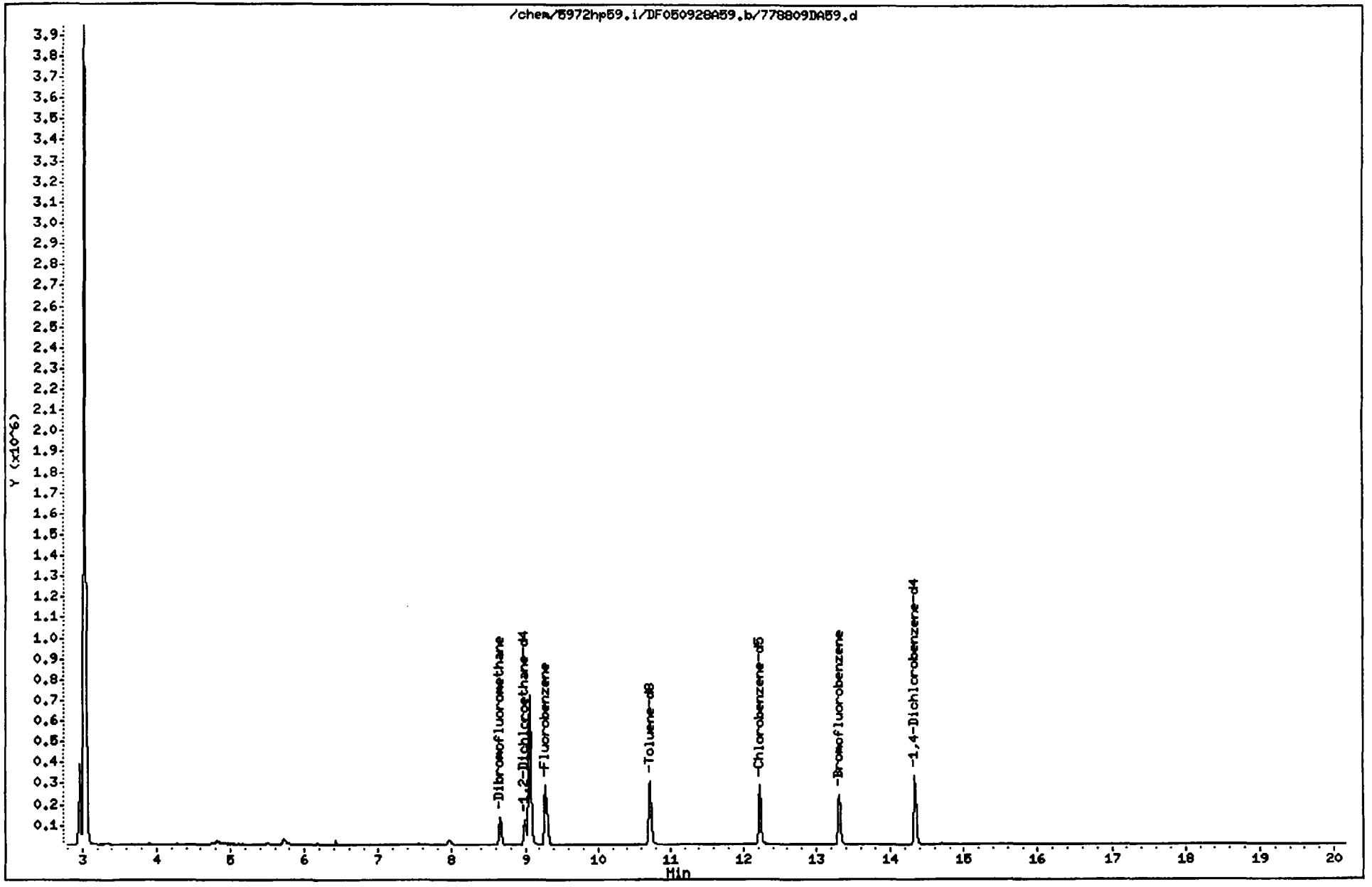
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Date : 28-SEP-2005 14:46
Client ID: ACSGWMW0626DL
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Lab Smp Id: 778809 Client Smp ID: ACSGWMW0626DL
Inj Date : 28-SEP-2005 14:46
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 15
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vo	5.00000	volume of water
DF	2.00000	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	9.284	9.284	(1.000)	357165	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.219	(1.000)	219823	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	106164	250.000	
$ 4 Dibromofluoromethane	113	8.663	8.653	(0.933)	102490	246.643	99
$ 5 1,2-Dichloroethane-d4	65	8.988	8.988	(0.968)	96076	256.741	100
$ 6 Toluene-d8	98	10.722	10.712	(0.877)	310049	247.025	99
$ 7 Bromofluorobenzene	95	13.312	13.302	(0.929)	117687	238.924	96
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	4.822	4.812	(0.519)	19630	71.4228	29
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.					

M 2
9-28-4

Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Report Date: 29-Sep-2005 00:06

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	9.057	9.057	(0.976)	866118	581.772	230
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/DF050928A59.b/778809DA59.d

Date : 28-SEP-2005 14:46

Client ID: [illegible]

Sample Info:

Purge Volume: [illegible]

Column phase: [illegible]

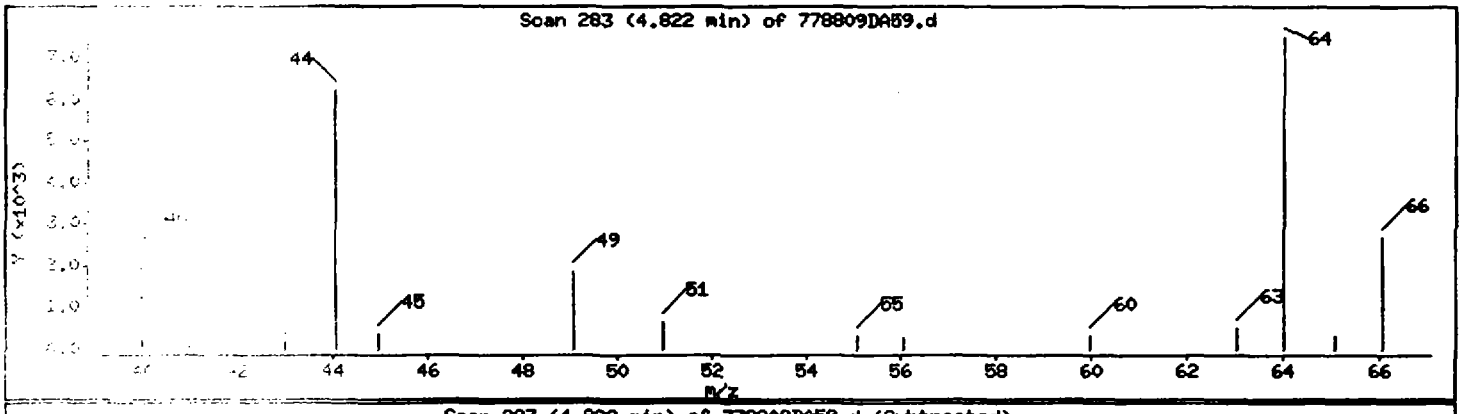
12 Chloroethane

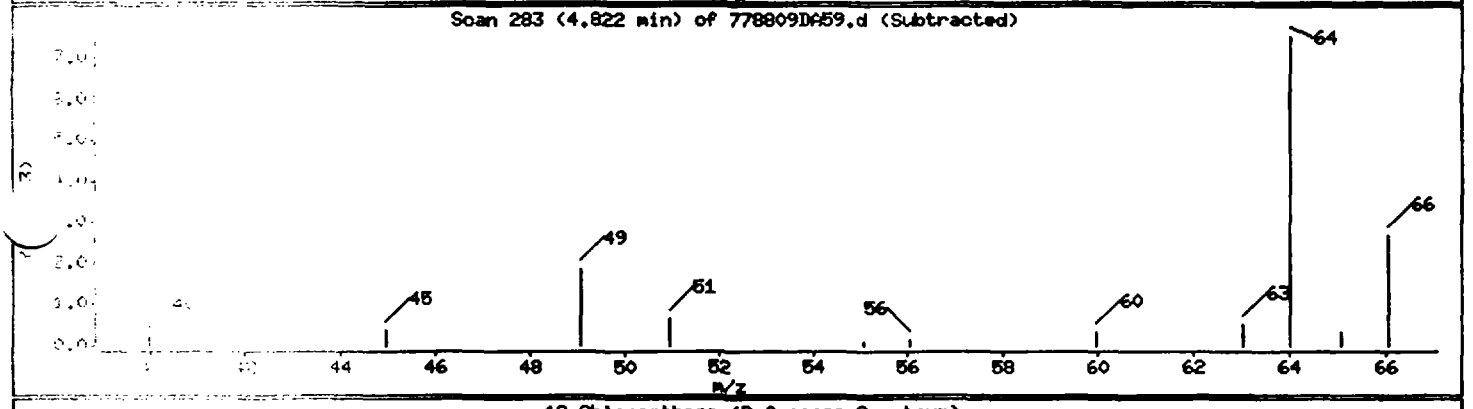
Instrument: 5972hp59.i

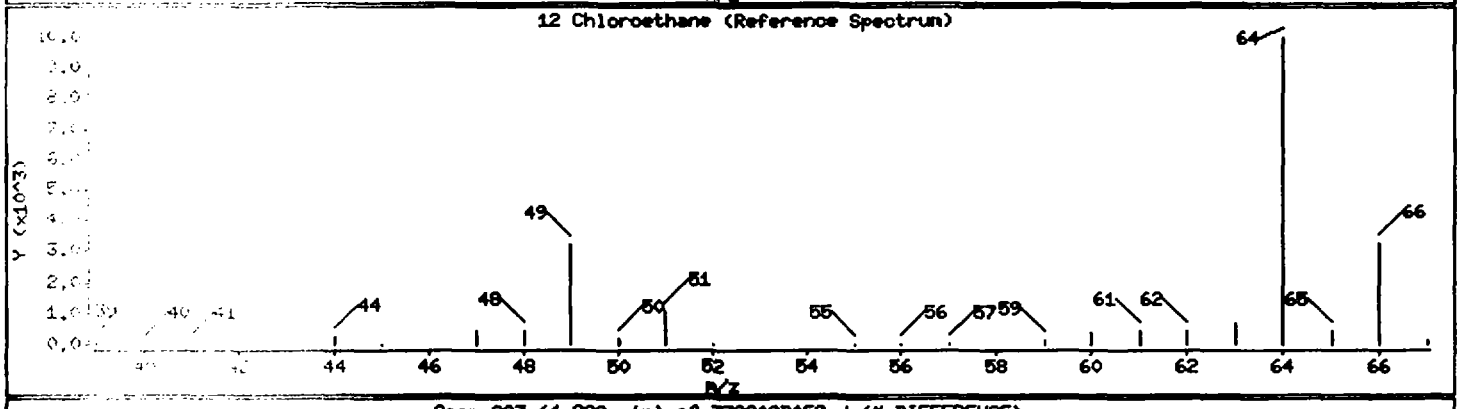
Operator: 2473

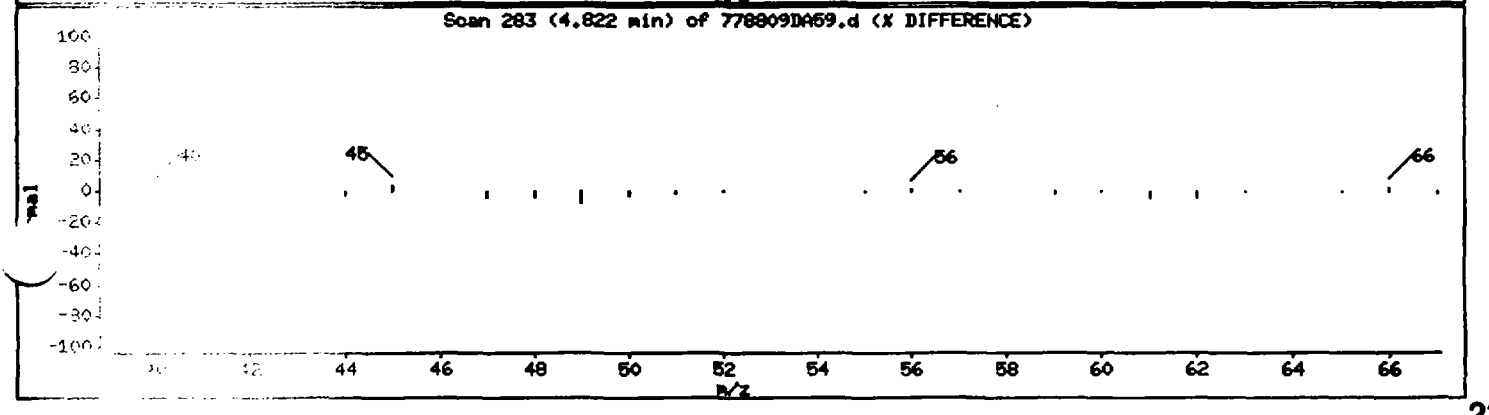
Column diameter: 0.32

Concentration: 29 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d

Date : 28-SEP-2005 14:46

Client ID: ACSGW[illegible]0626DL

Instrument: 5972hp59.i

Sample Info:

Purge Volume: 5.0

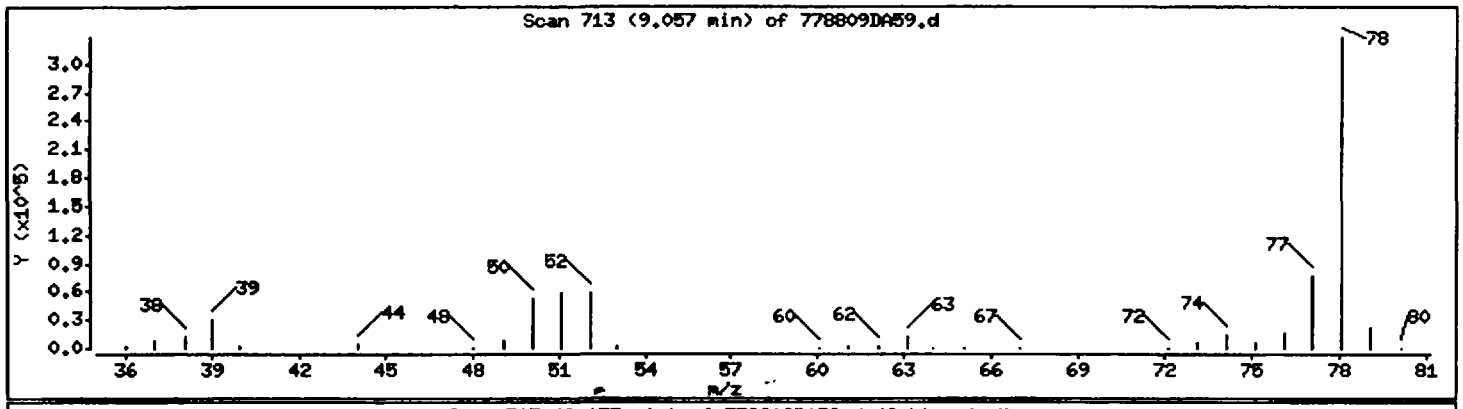
Operator: 2473

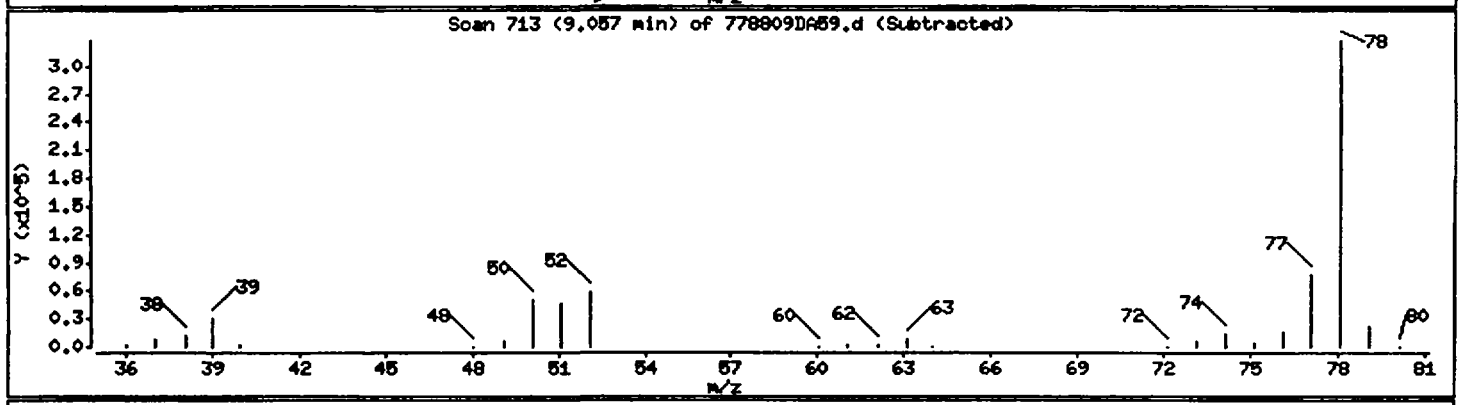
Column phase: ZB-624

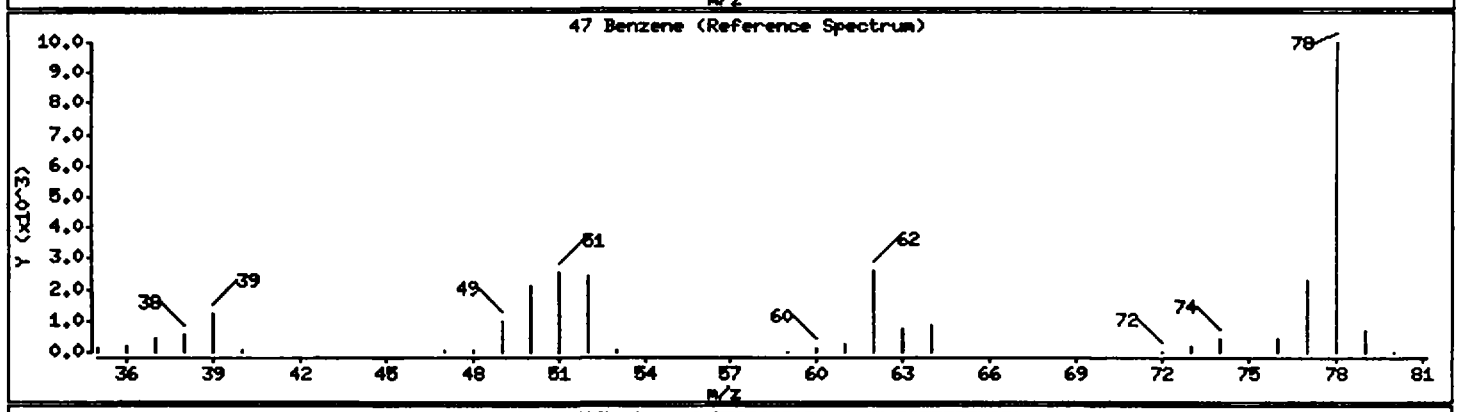
Column diameter: 0.32

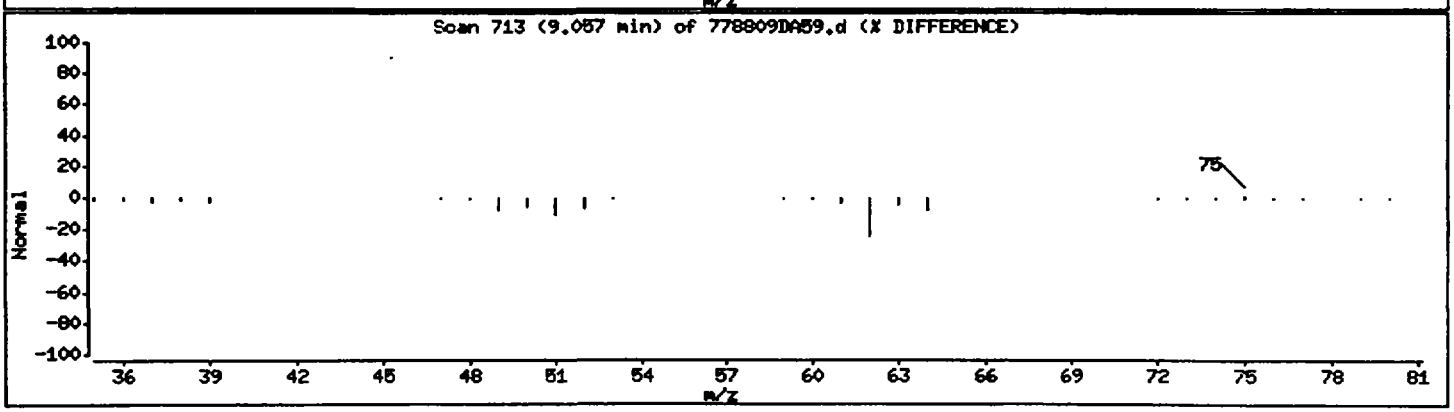
47 Benzene

Concentration: 230 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778809DA59.d
Lab Smp Id: 778809 Client Smp ID: ACSGWMW0626DL
Inj Date : 28-SEP-2005 14:46
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 15
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vo	5.00000	volume of water
DF	2.00000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.284	754162	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether					CAS #: 60-29-7		
5.728	110325	36.5719622	15	90	NBS129K.1	108348	1

Data File: /chem/5972hp59.i/DF050928A59.b/778809DA59.d

Date : 28-SEP-2005 14:46

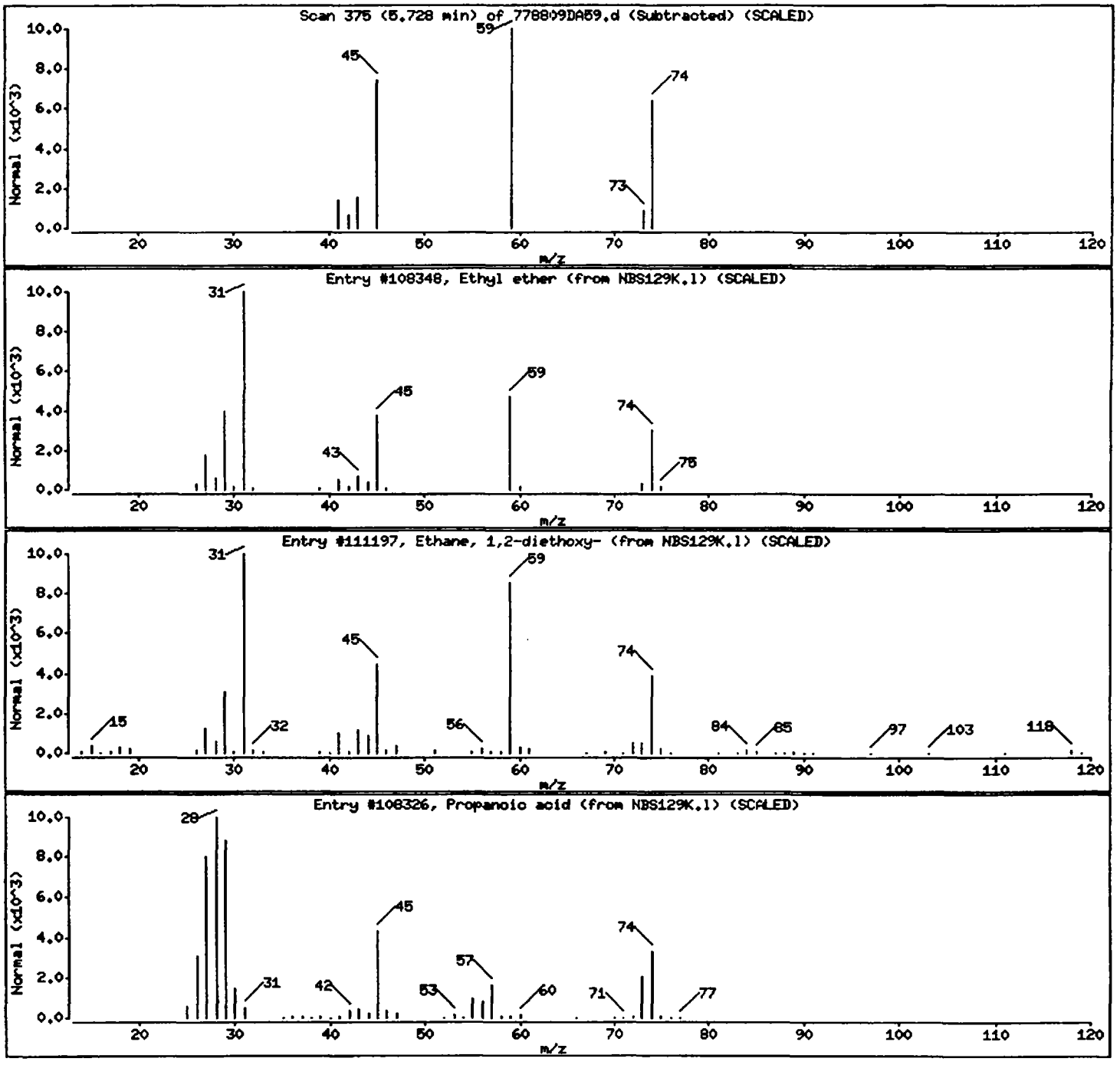
Client ID: ACSCWHW0626DL | Instrument: 5972hp59.i

Sample Info:

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
Ethyl ether	60-29-7	NBS129K.l	108348	90	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111197	9	C6H14O2	118
Propanoic acid	79-09-4	NBS129K.l	108326	7	C3H6O2	74



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	330	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.

ACSGWMW10C26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
[illegible]7	Chlorobenzene	5.0	U
[illegible]-4	Ethylbenzene	5.0	U
[illegible]-5	Styrene	5.0	U
[illegible]-2	Bromoform	5.0	U
[illegible]	Isopropyl Benzene	5.0	U
[illegible]	1,1,2,2-Tetrachloroethane	5.0	U
[illegible]1	1,3-Dichlorobenzene	5.0	U
[illegible]-7	1,4-Dichlorobenzene	5.0	U
[illegible]	1,2-Dichlorobenzene	5.0	U
[illegible]	1,2-Dibromo-3-Chloropropane	5.0	U
[illegible]1	1,2,4-Trichlorobenzene	5.0	U
[illegible]-7	Xylene (total)	5.0	U
[illegible]-9	Methyl acetate	5.0	U
[illegible]	Cyclohexane	5.0	U
[illegible]2	Methylcyclohexane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.27	6.8	J
2.	UNKNOWN	6.80	6.1	J
3. 1066-40-6	SILANOL, TRIMETHYL-	7.96	22	NJ
4.				
5.				
6.				
7.				
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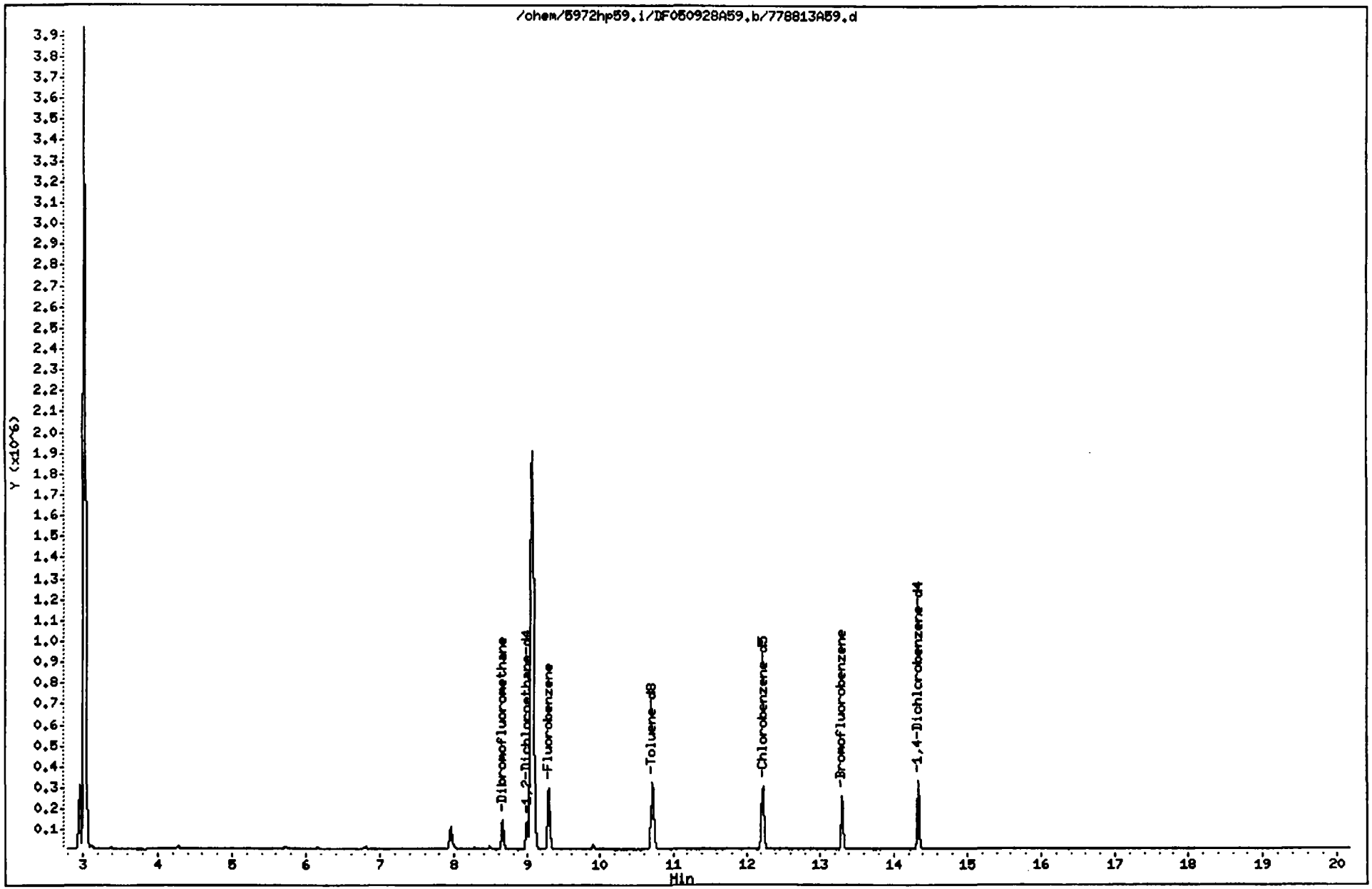
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d
Date : 28-SEP-2005 13:17
Client ID: ACSGWMW10C26
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778813A59.d
Lab Smp Id: 778813 Client Smp ID: ACSGWMW10C26
Inj Date : 28-SEP-2005 13:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 12
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	9.285	9.284	(1.000)	368837	250.000	
* 2 Chlorobenzene-d5	117	12.220	12.219	(1.000)	228912	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.338	14.337	(1.000)	111026	250.000	
$ 4 Dibromofluoromethane	113	8.655	8.653	(0.932)	105842	246.649	49
$ 5 1,2-Dichloroethane-d4	65	8.989	8.988	(0.968)	101915	263.726	53
$ 6 Toluene-d8	98	10.713	10.712	(0.877)	320272	245.038	49
$ 7 Bromofluorobenzene	95	13.304	13.302	(0.928)	123322	239.400	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

HL 9-29-05

Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d
Report Date: 29-Sep-2005 00:06

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	9.058	9.057	(0.976)	2516941	1637.13	330(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/DF050928A59.b/778813A59.d

Date : 28-SEP-2005 13:17

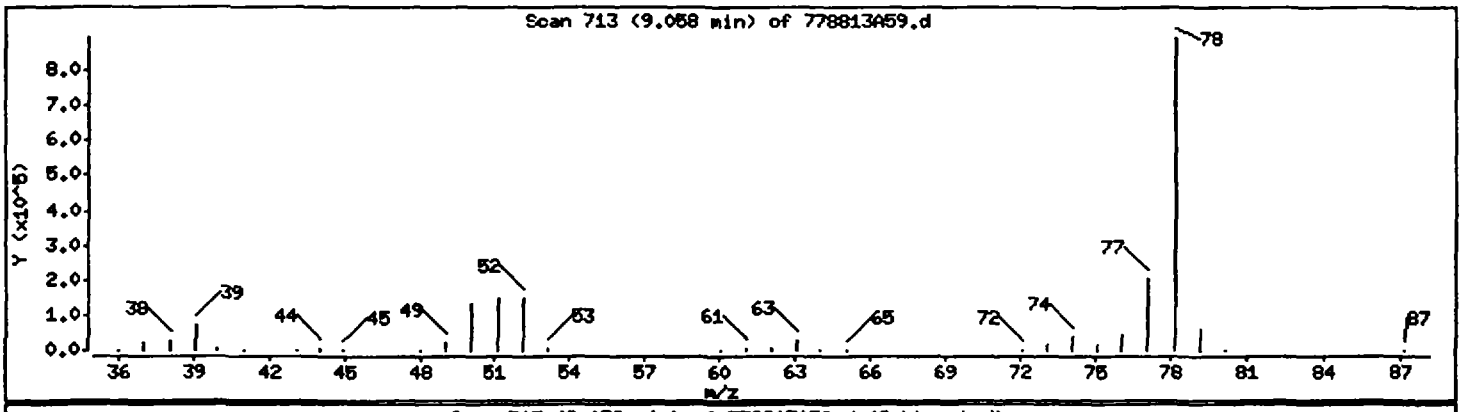
Client ID: ACSGWMW10C26 Instrument: 5972hp59.i

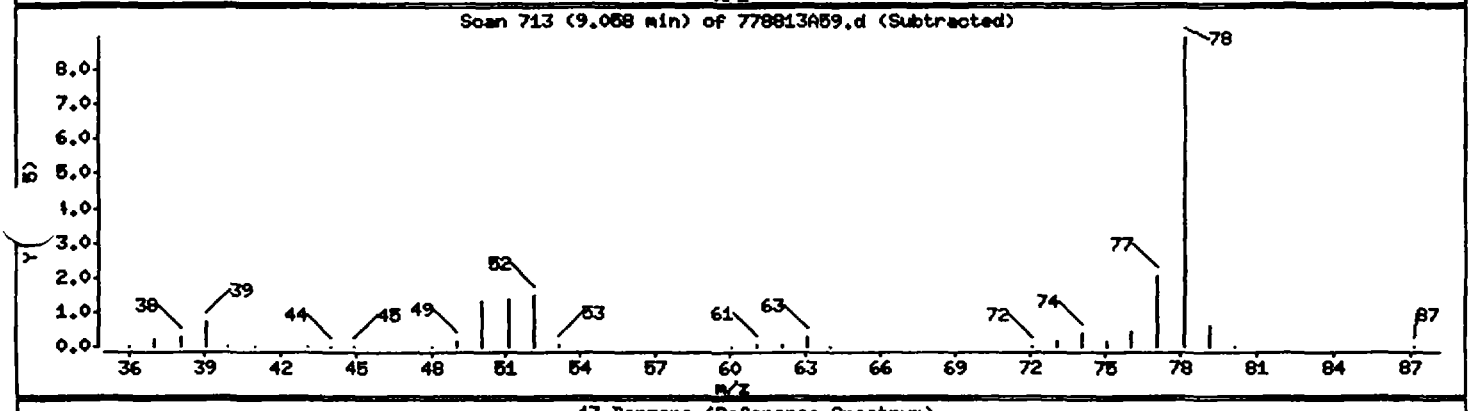
Sample Info:

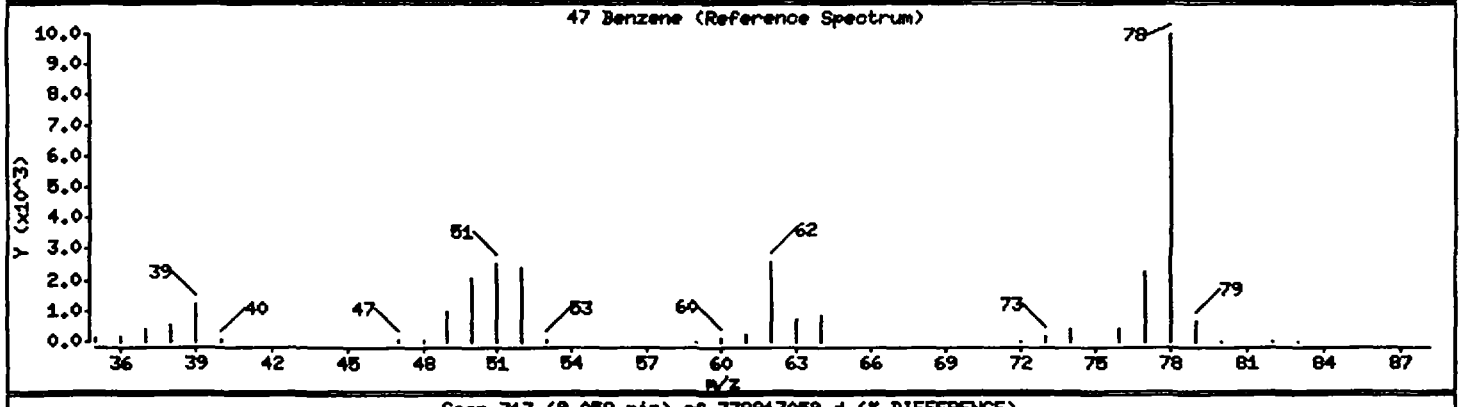
Purge Volume: 5.0 Operator: 2473

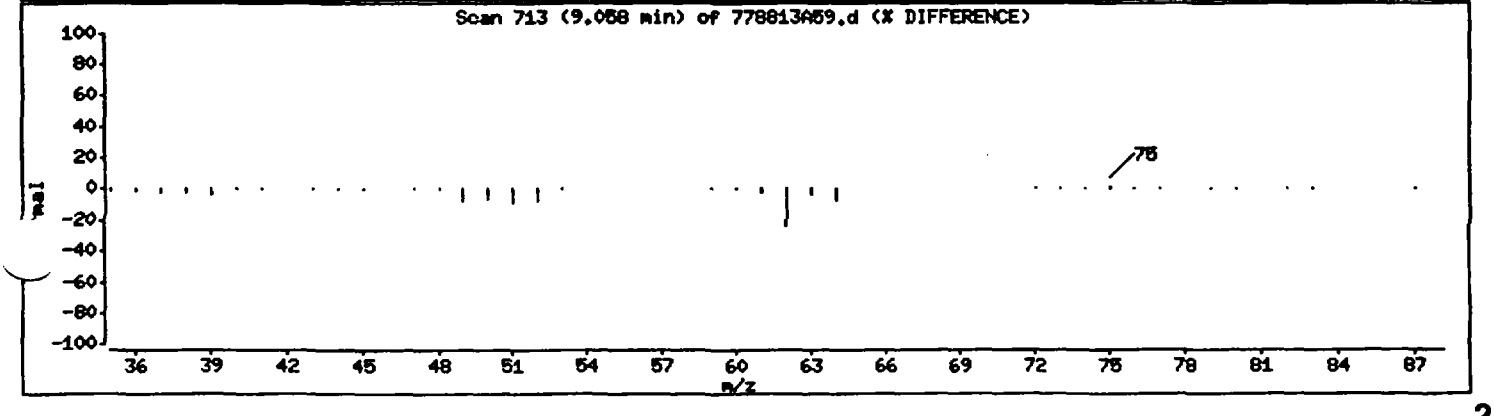
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 330 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778813A59.d
Lab Smp Id: 778813 Client Smp ID: ACSGWMW10C26
Inj Date : 28-SEP-2005 13:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 12
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	9.285	775881	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.271	104999	33.8322578	6.8	0		0	1
Unknown				CAS #:			
6.803	95355	30.7246419	6.1	0		0	1
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
7.955	336928	108.562810	22	91	NBS129K.l	1041	1

Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d

Date : 28-SEP-2005 13:17

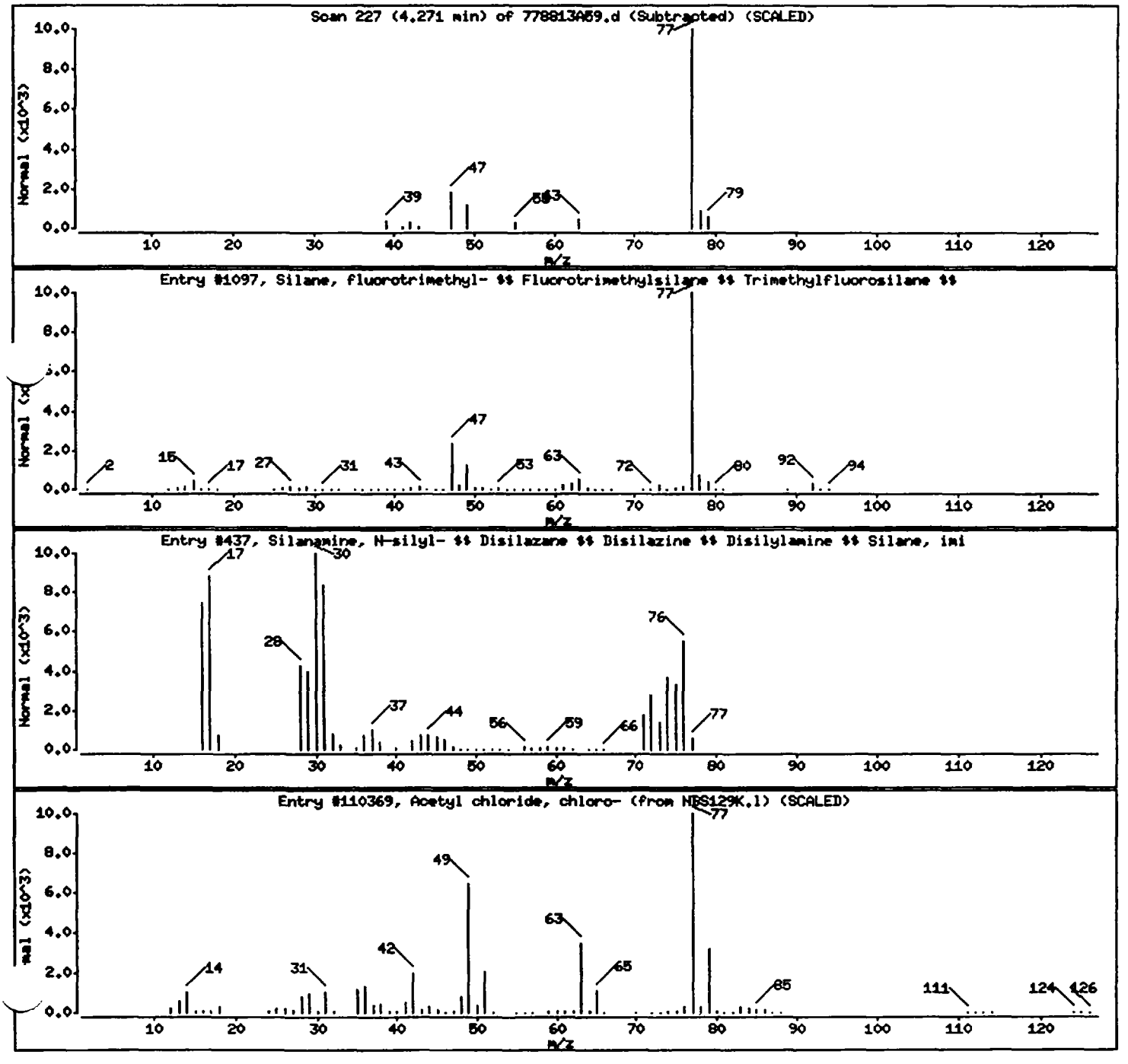
Client ID: ACSGWMW10C26 Instrument: 5972hp59.i

Sample Info:

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						
Silane, fluorotrimethyl- $$ Fluorotrimet	420-56-4	NBS129K.l	1097	43	C3H9FSi	92
Silanamine, N-silyl- $$ Disilazane $$ Di	5702-11-4	NBS129K.l	437	3	H7NSi2	77
Acetyl chloride, chloro-	79-04-9	NBS129K.l	110369	2	C2H2Cl2O	112



Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d

Date : 28-SEP-2005 13:17

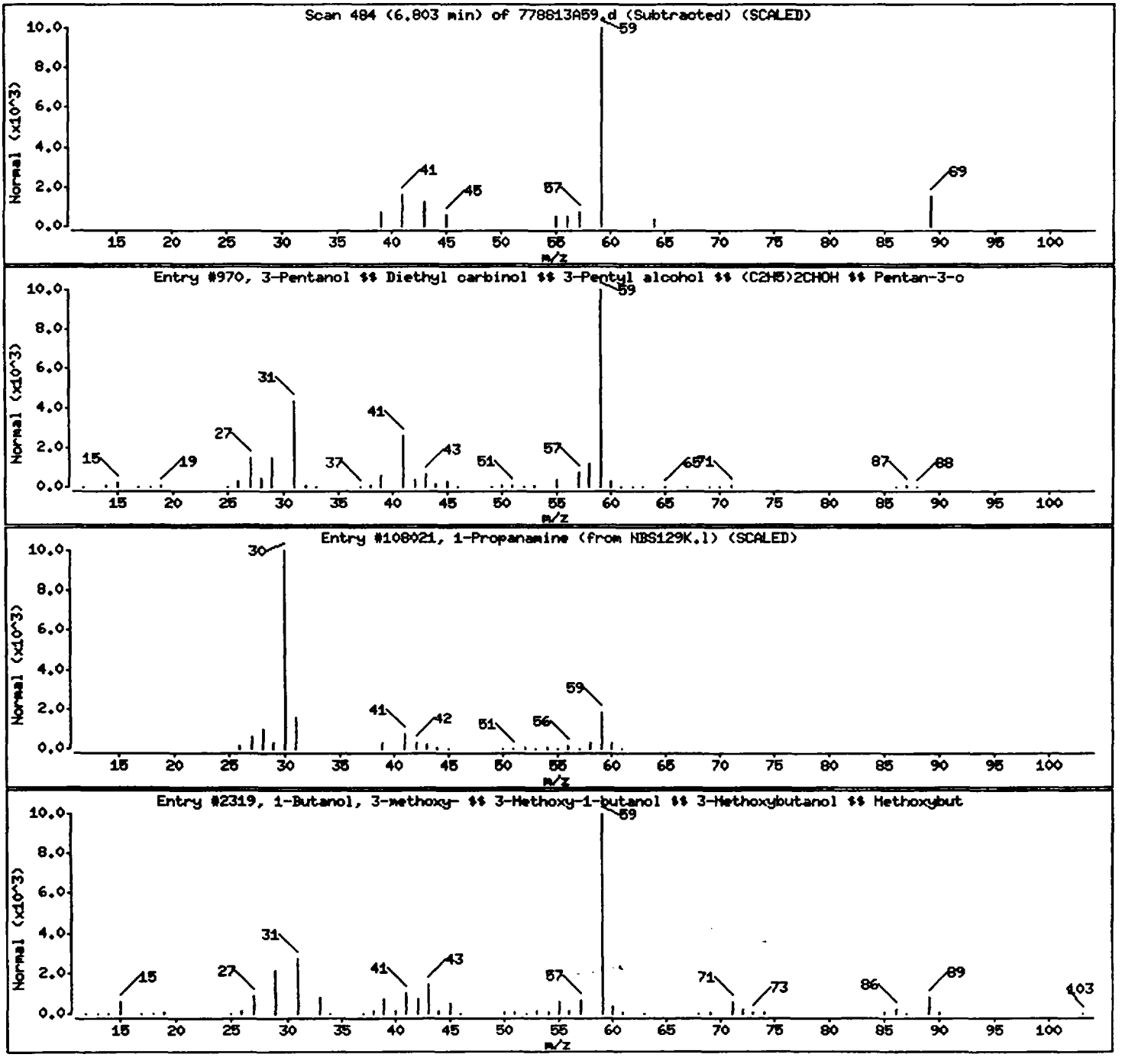
Client ID: ACSGWHW10C26 Instrument: 5972hp59.i

Sample Info:

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						
3-Pentanol $$ Diethyl carbinol $$ 3-Pent	584-02-1	NBS129K.l	970	9	C5H12O	88
1-Propanamine	107-10-8	NBS129K.l	108021	4	C3H9N	59
1-Butanol, 3-methoxy- $$ 3-Methoxy-1-but	2517-43-3	NBS129K.l	2319	4	C5H12O2	104



Data File: /chem/5972hp59.i/DF050928A59.b/778813A59.d

Date : 28-SEP-2005 13:17

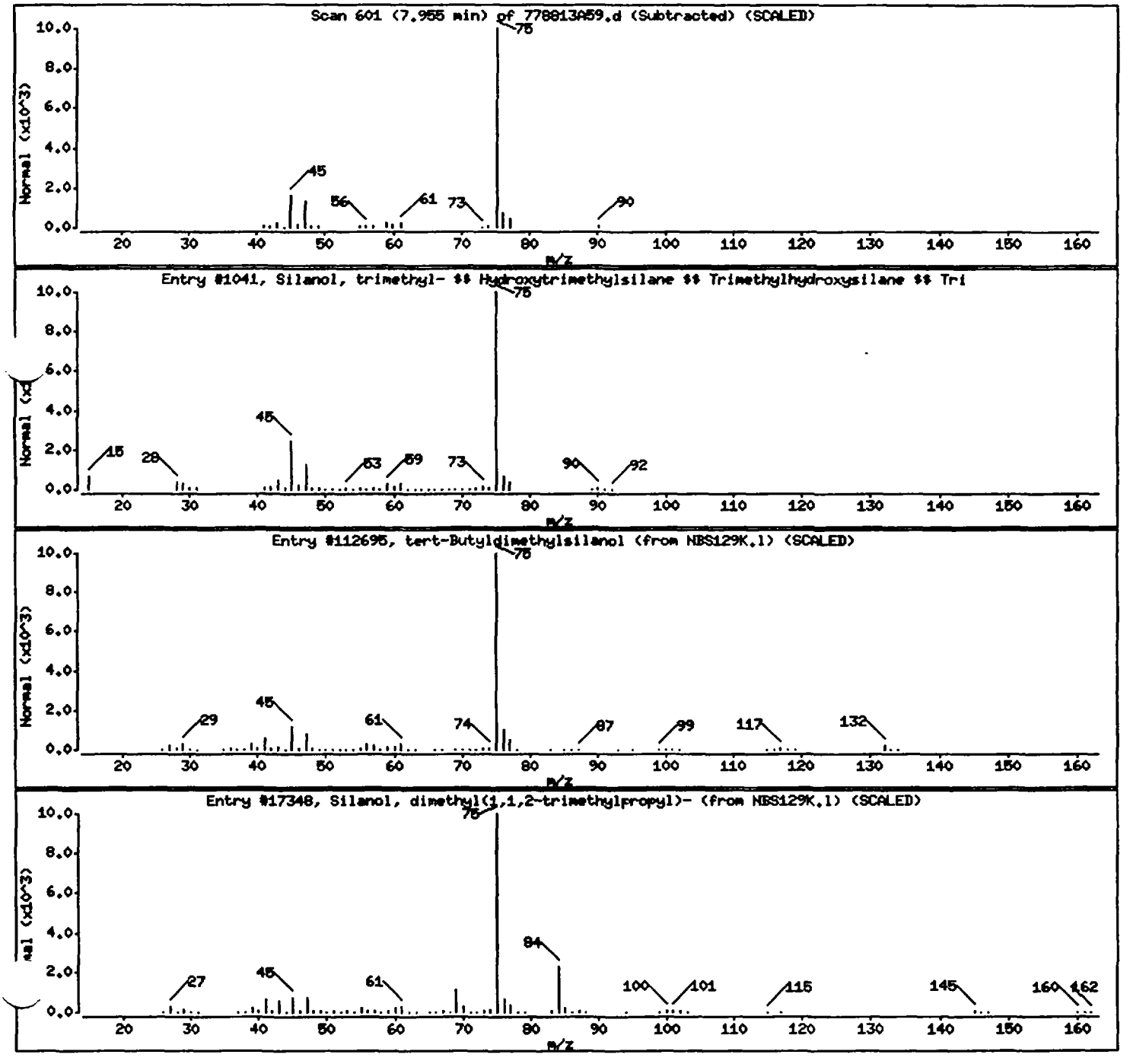
Client ID: ACSCWMW10C26 Instrument: 5972hp59.i

Sample Info:

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
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	91	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	78	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.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
75-15-0	Carbon disulfide	15	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	15	U
67-64-1	Acetone	37	U
75-09-2	Methylene Chloride	15	U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl-tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-butanone	37	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	350	D
107-06-2	1,2-Dichloroethane	15	U
79-01-6	Trichloroethene	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	37	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-hexanone	37	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26DL

[illegible] COMPUCHEM Method: 8260B

[illegible] LIBERTY Case No.: SAS No.: SDG No.: 7788

[illegible] (water) WATER Lab Sample ID: 778813

[illegible] 5 (g/ml) ML Lab File ID: 778813DA59

[illegible] (low/med) LOW Date Received: 09/26/05

[illegible] not dec. _____ Date Analyzed: 09/28/05

[illegible] 624 ID: 0.32 (mm) Dilution Factor: 2.9

[illegible] Volume:_____(uL) Soil Aliquot Volume: _____(uL

[illegible] NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
[illegible] 7	Chlorobenzene	15	U
[illegible] 4	Ethylbenzene	15	U
[illegible] 5	Styrene	15	U
[illegible] 2	Bromoform	15	U
[illegible] 8	Isopropyl Benzene	15	U
[illegible]	1,1,2,2-Tetrachloroethane	15	U
[illegible] 1	1,3-Dichlorobenzene	15	U
[illegible] 7	1,4-Dichlorobenzene	15	U
[illegible] 1	1,2-Dichlorobenzene	15	U
[illegible] 8	1,2-Dibromo-3-Chloropropane	15	U
[illegible] 1	1,2,4-Trichlorobenzene	15	U
[illegible] 7	Xylene (total)	15	U
[illegible]	Methyl acetate	15	U
[illegible] 7	Cyclohexane	15	U
[illegible]	Methylcyclohexane	15	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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.				
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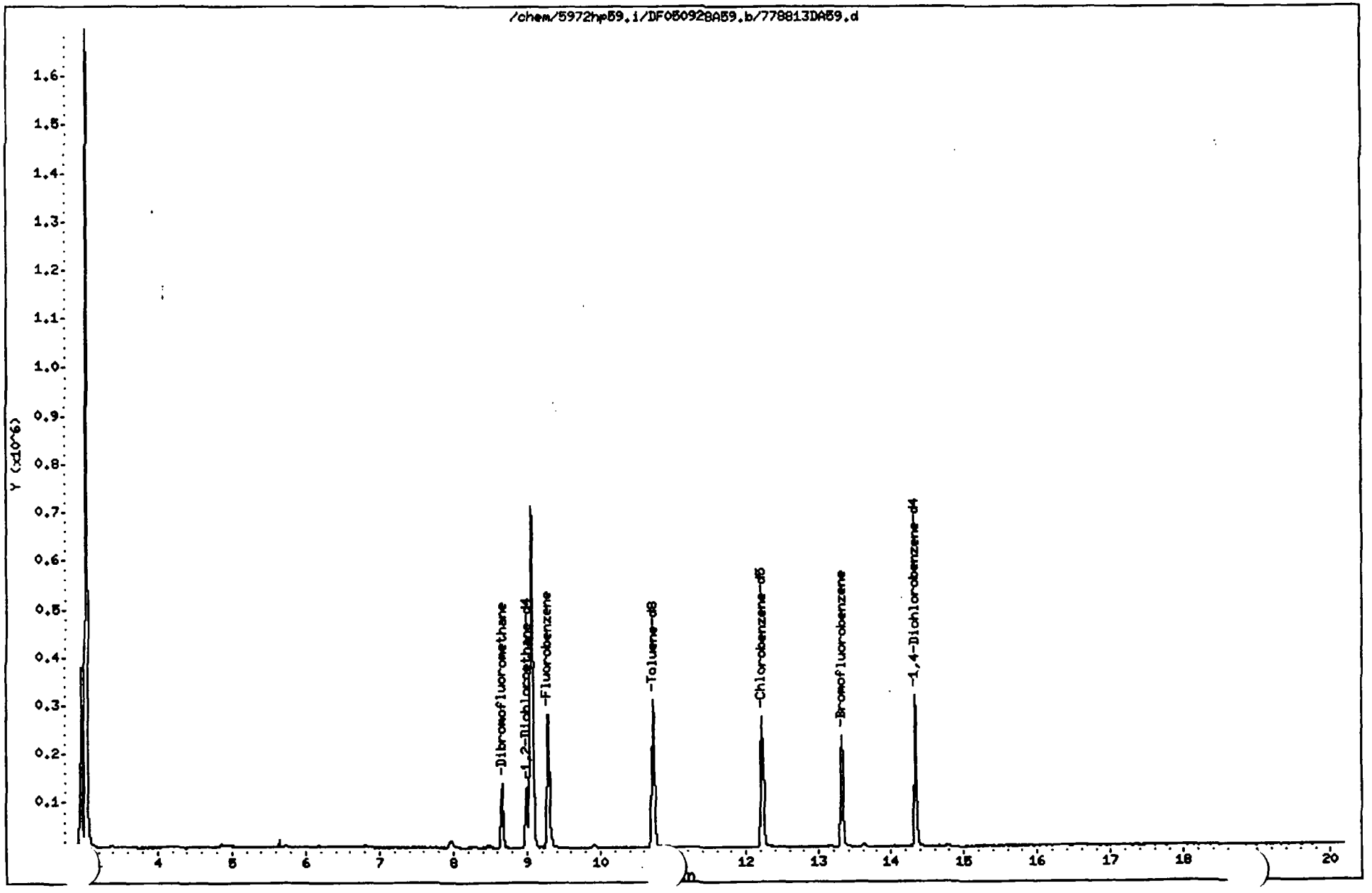
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Date : 28-SEP-2005 18:28
Client ID: ACSGWMW10C26DL
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Lab Smp Id: 778813 Client Smp ID: ACSGWMW10C26DL
Inj Date : 28-SEP-2005 18:28
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 22
Dil Factor: 2.94000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	2.94000	Dilution Factor
Vo	5.00000	volume of water
DF	2.94000	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	9.293	9.284	(1.000)	344476	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.219	(1.000)	206720	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.337	(1.000)	99652	250.000	
$ 4 Dibromofluoromethane	113	8.663	8.653	(0.932)	96359	240.430	140
$ 5 1,2-Dichloroethane-d4	65	8.997	8.988	(0.968)	96773	268.129	160
$ 6 Toluene-d8	98	10.721	10.712	(0.877)	295816	250.624	150
$ 7 Bromofluorobenzene	95	13.312	13.302	(0.929)	111365	240.864	140
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.					

MZ
9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Report Date: 29-Sep-2005 00:07

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	9.057	9.057	(0.975)	847254	590.064	350
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/DF050928A59.b/778813DA59.d

Date : 28-SEP-2005 18:28

Client ID: 4050928A10C26DL

Sample Info:

Image Volume: 1.0

Tuning Sheet: DB-624

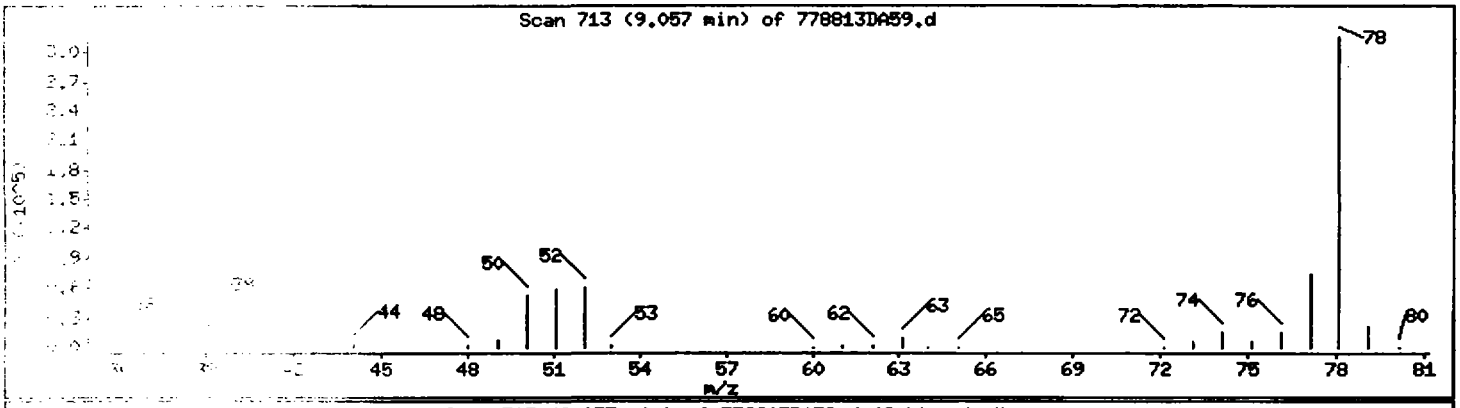
47 Benzene

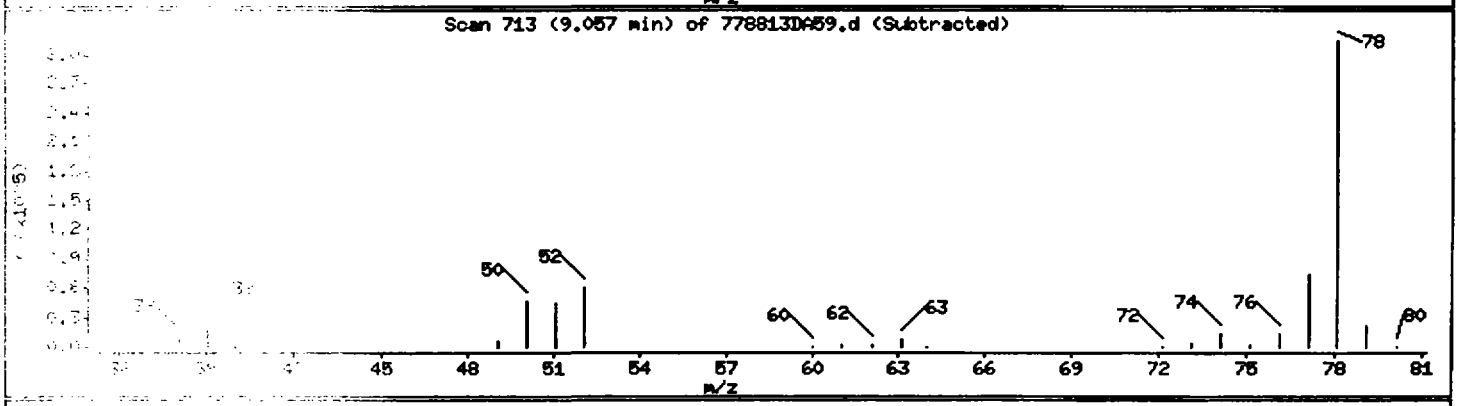
Instrument: 5972hp59.i

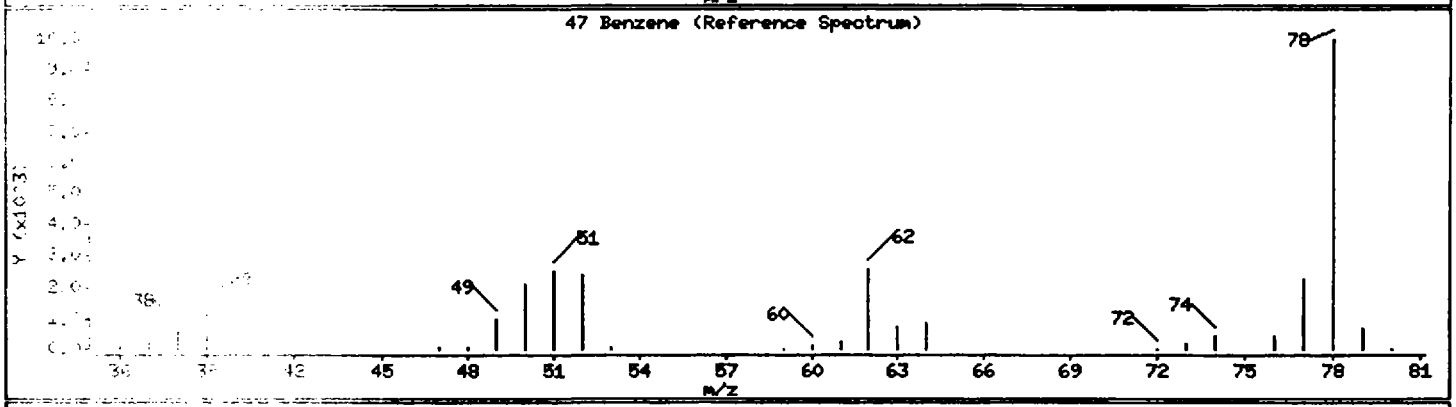
Operator: 2473

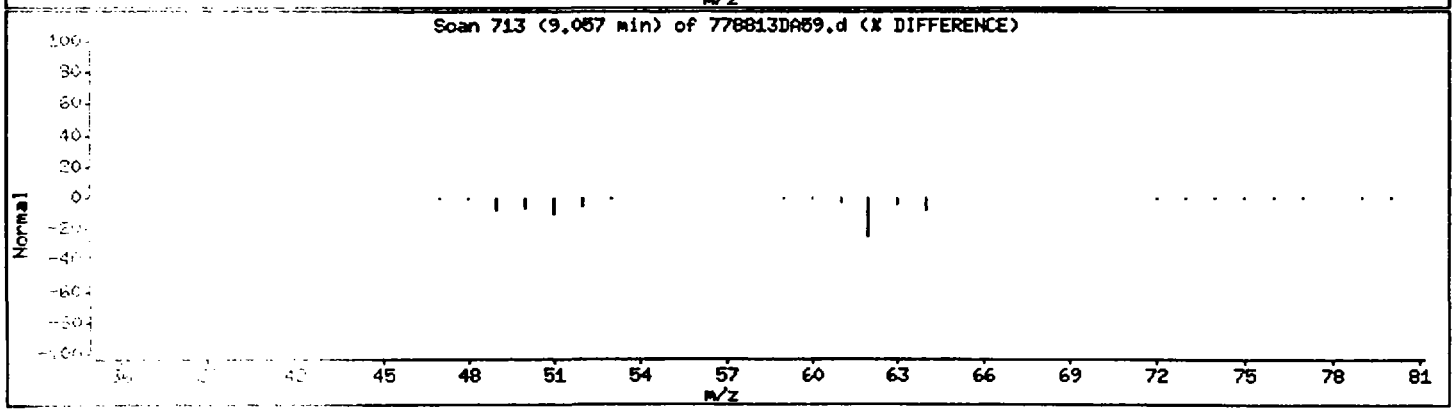
Column diameter: 0.32

Concentration: 350 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778813DA59.d
Lab Smp Id: 778813 Client Smp ID: ACSGWMW10C26DL
Inj Date : 28-SEP-2005 18:28
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 22
Dil Factor: 2.94000
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.

ACSGWMW1426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

ACSGWMW1426

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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-	7.96	30	NJ
2.				
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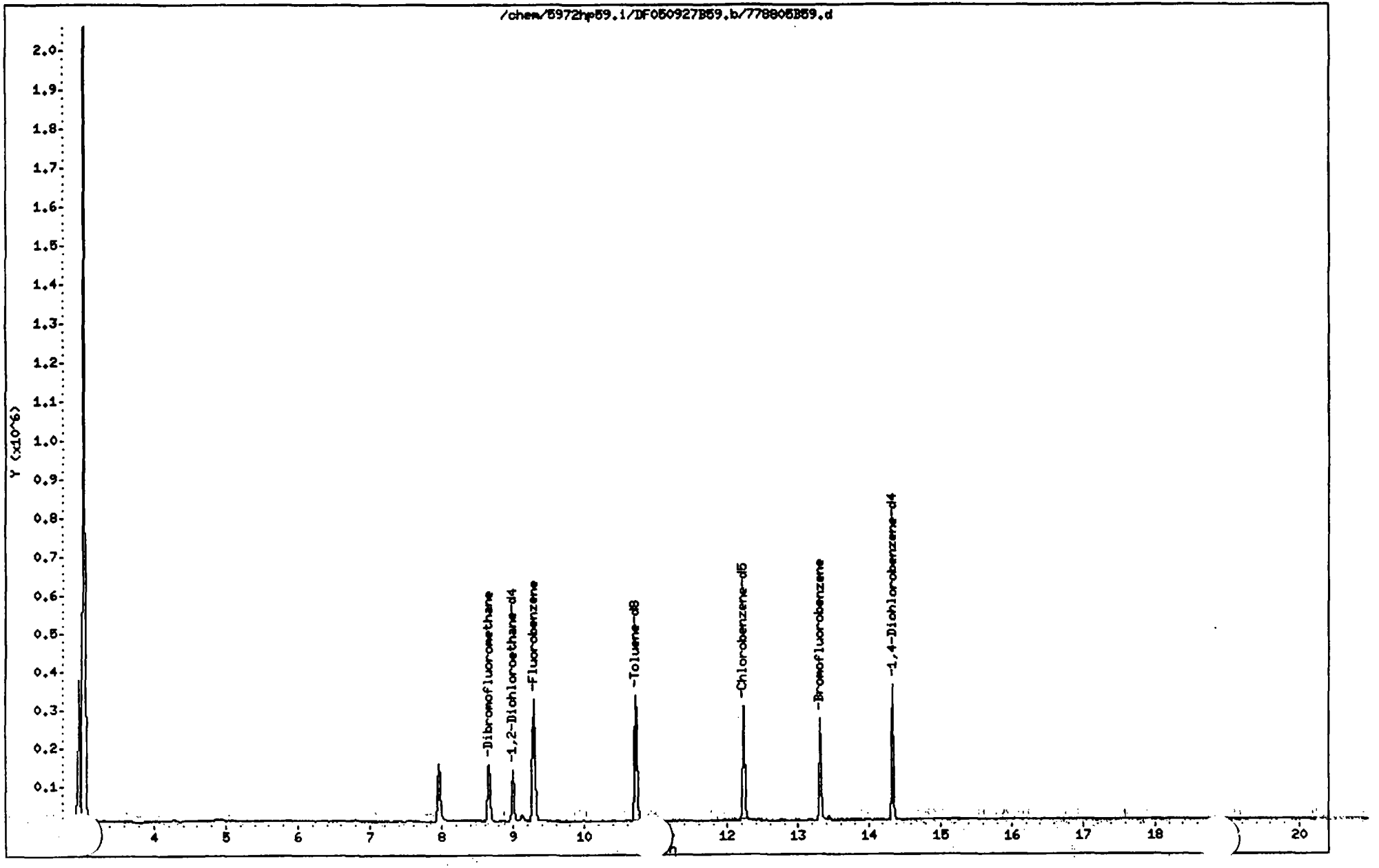
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050927B59.b/778805B59.d
Date : 28-SEP-2005 00:39
Client ID: ACSCWMW1426
Sample Info: 778805:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/778805B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778805B59.d
Lab Smp Id: 778805 Client Smp ID: ACSGWMW1426
Inj Date : 28-SEP-2005 00:39
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778805:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 1
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	9.283	9.290	(1.000)	390954	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.226	(1.000)	240514	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.333	(1.000)	118846	250.000	
$ 4 Dibromofluoromethane	113	8.663	8.660	(0.933)	111493	245.119	49
$ 5 1,2-Dichloroethane-d4	65	8.988	8.995	(0.968)	102193	249.485	50
$ 6 Toluene-d8	98	10.722	10.728	(0.877)	339171	246.980	49
$ 7 Bromofluorobenzene	95	13.312	13.309	(0.929)	128650	233.310	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF050927B59.b/778805B59.d
Report Date: 28-Sep-2005 06:00

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.					
Tetrachloroethene	164	Compound Not Detected.					
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/DF050927B59.b/778805B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778805B59.d
Lab Smp Id: 778805 Client Smp ID: ACSGWMW1426
Inj Date : 28-SEP-2005 00:39
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778805:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 1
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	9.283	817805	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl- $$ Hydroxytrimethyls				CAS #: 1066-40-6			
7.964	493291	150.797282	30	91	NBS129K.1	1041	1

Data File: /chem/5972hp59.i/DF050927B59.b/778805B59.d

Date : 28-SEP-2005 00:39

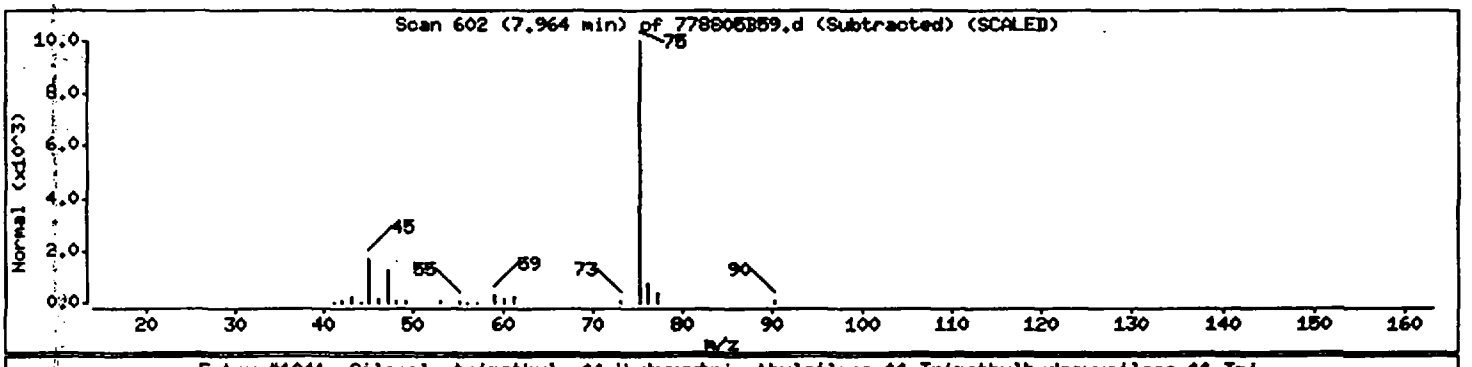
lient ID: ACSGWMW1426 Instrument: 5972hp59.i

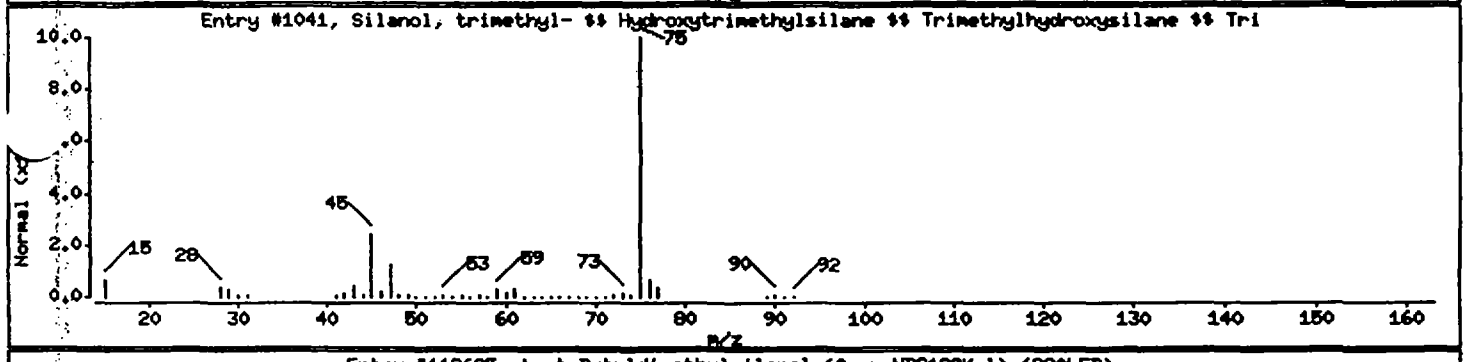
Sample Info: 778805:2481

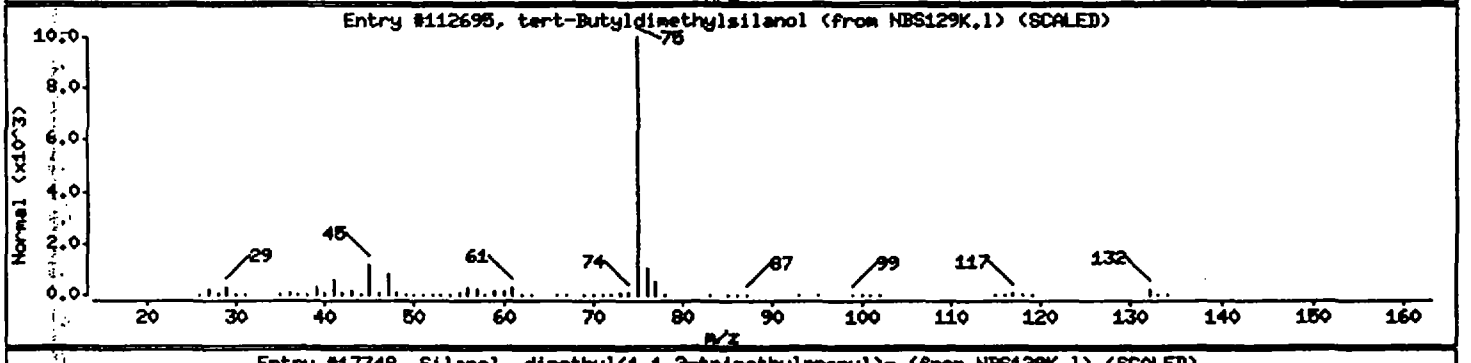
Purge Volume: 5.0 Operator: 2481

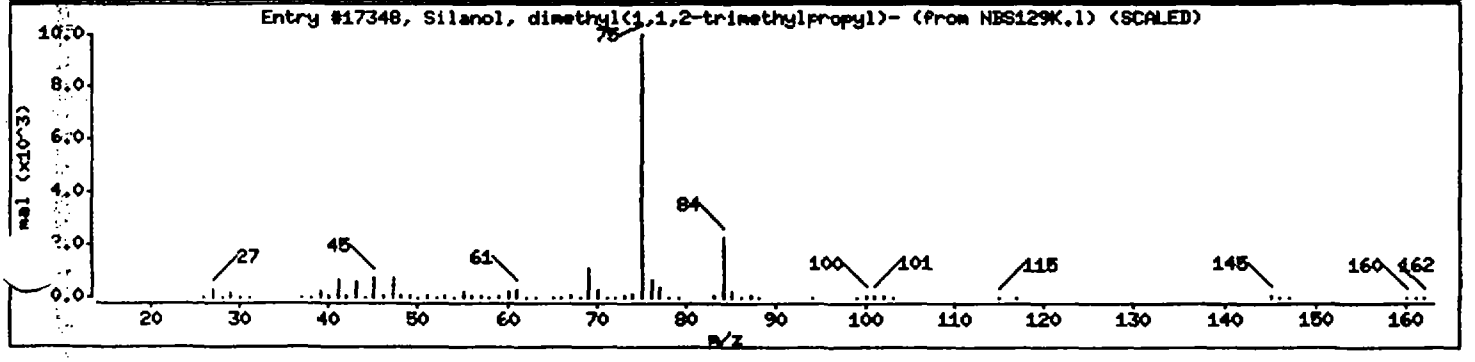
Column phase: ZB-624 Column diameter: 0.32

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	40	C8H20OSi	160









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.1	J
75-00-3	Chloroethane	1.9	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	1.0	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	9.6	
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.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	0.72	5.0	J
2.	593-70-4	METHANE, CHLOROFLUORO-	0.82	13	NJ
3.	0-00-0	ETHENE, ETHYLOXY-	1.18	7.6	NJ
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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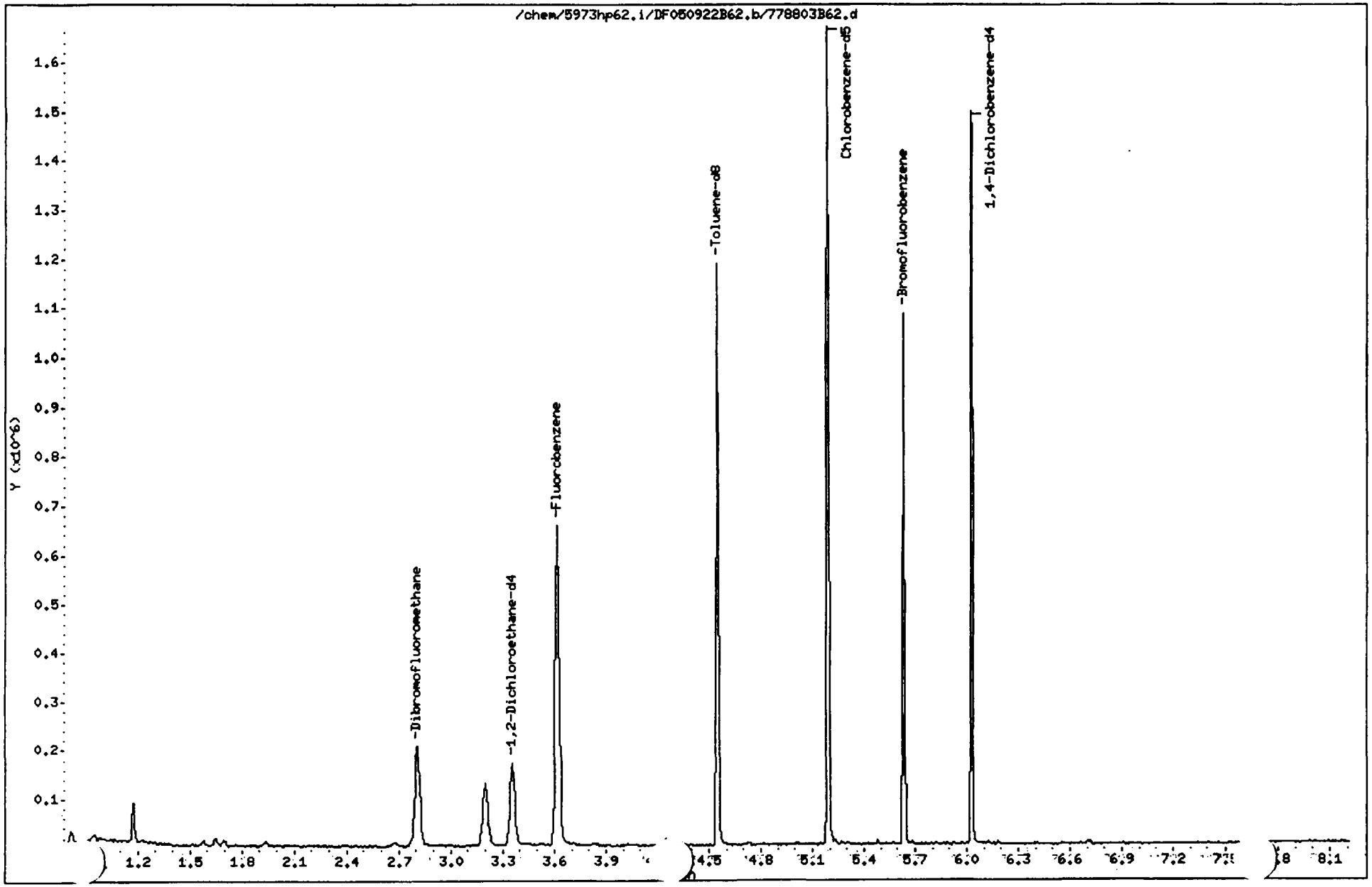
30.					

FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Date : 23-SEP-2005 03:11
Client ID: ACSGWMW1526
Sample Info: 778803:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Report Date: 26-Sep-2005 01:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778803B62.d
Lab Smp Id: 778803 Client Smp ID: ACSGWMW1526
Inj Date : 23-SEP-2005 03:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778803:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 44
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	3.621	3.620	(1.000)	534967	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	428487	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	220111	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.774)	132153	191.313	38
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	131676	193.257	39
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	419875	235.098	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	170176	233.698	47
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	0.937	0.937	(0.259)	3589	5.41751	1.1(aM)
12 Chloroethane	64	0.986	0.986	(0.272)	2547	9.35742	1.9(aM)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	Compound Not Detected.					

Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Report Date: 26-Sep-2005 01:25

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	1.699	1.699	(0.469)	8481	5.24267	1.0(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	3.201	3.201	(0.884)	134679	48.0864	9.6
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.					
1,1,2-Trichloroethane	97	Compound Not Detected.					
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

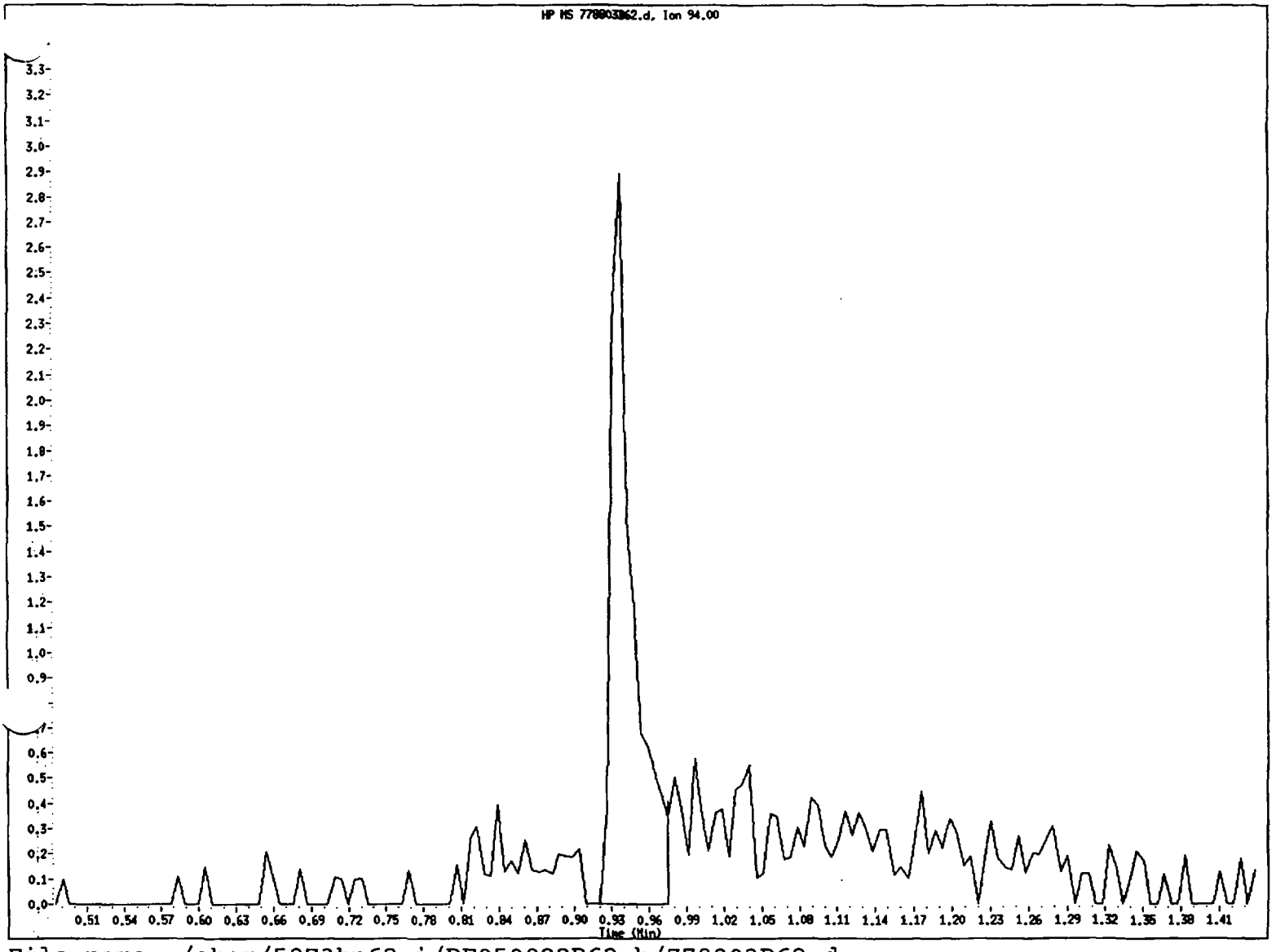
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Report Date: 26-Sep-2005 01:25

QC Flag Legend

M - Compound response manually integrated.

Bromomethane CAS Number 74-83-9 Area = 3589 Manually integrated



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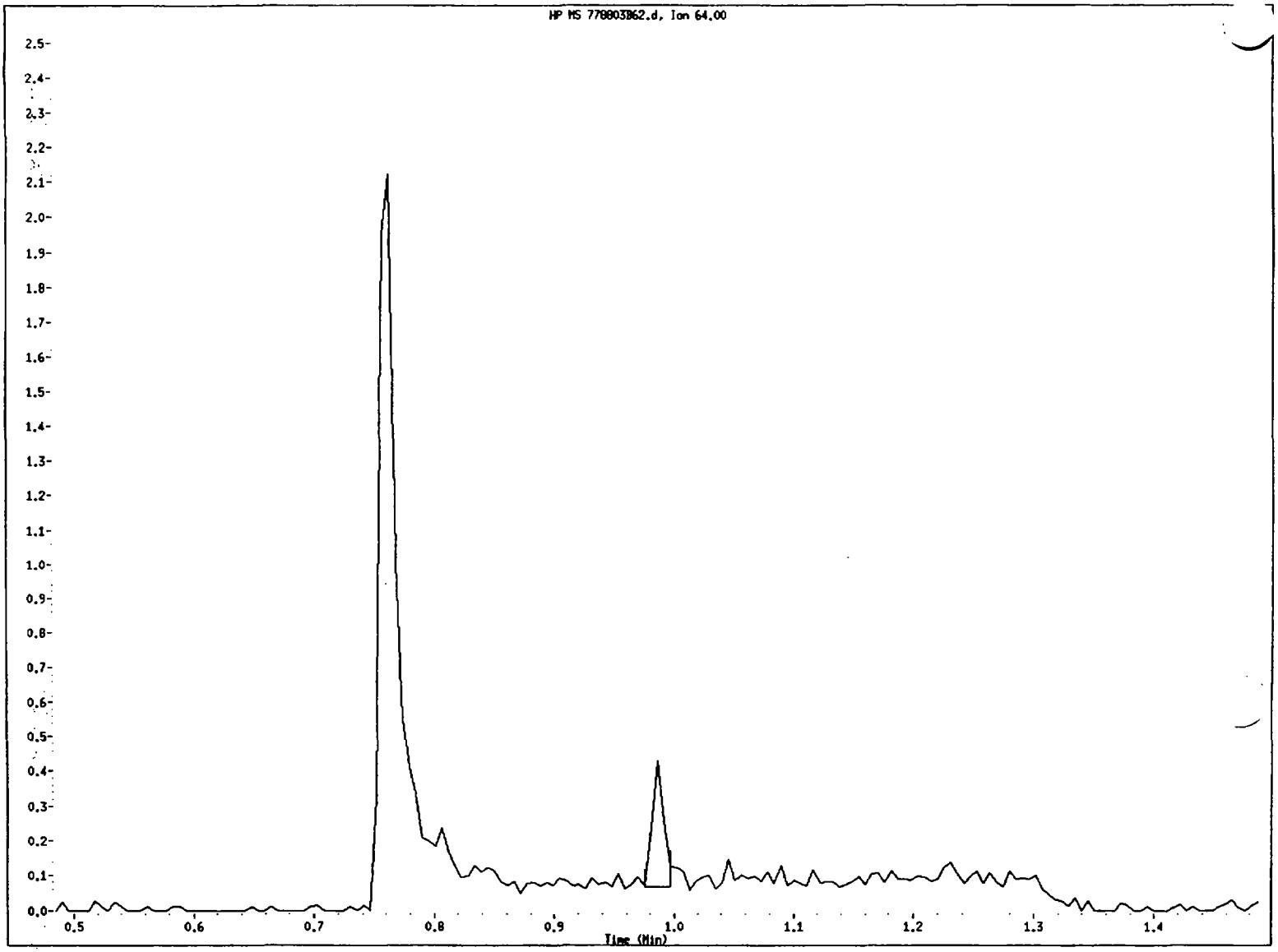
Client ID: ACSGWMW1526
Instrument ID: 5973hp62.i
Injection Date and Time: 23-SEP-2005 03:11
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 2547 Manually integrated



File name: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Client ID: ACSGWMW1526
Instrument ID: 5973hp62.i
Injection Date and Time: 23-SEP-2005 03:11
Retention Time: 0.99
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

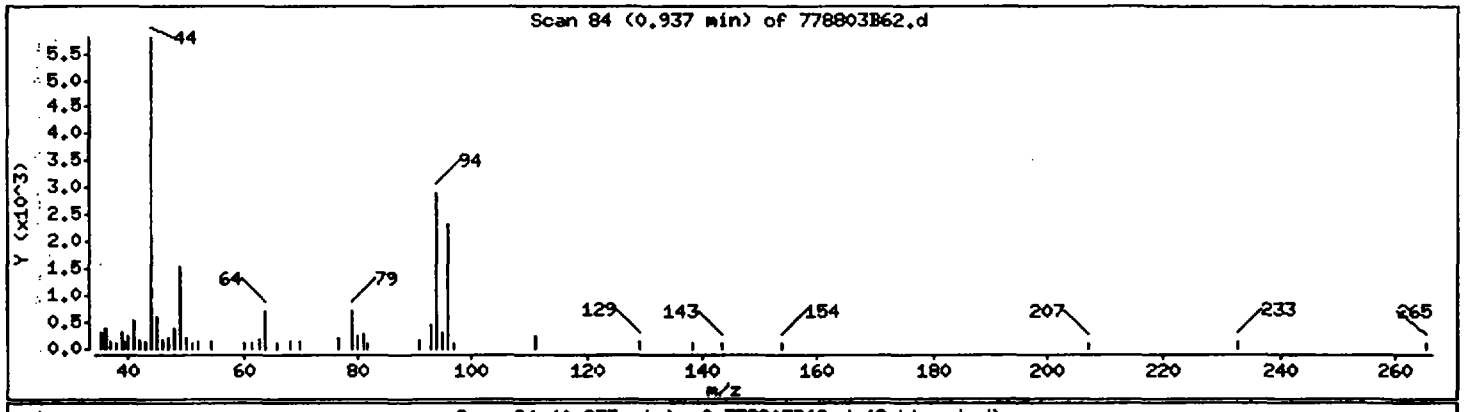
Client ID: ACSGWMW1526 Instrument: 5973hp62.i

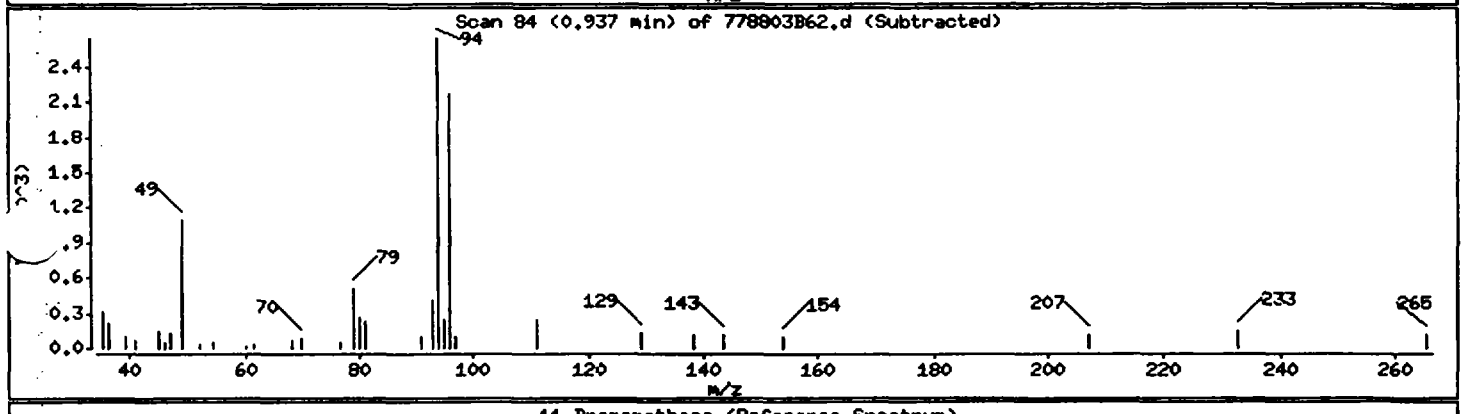
Sample Info: 778803;2323

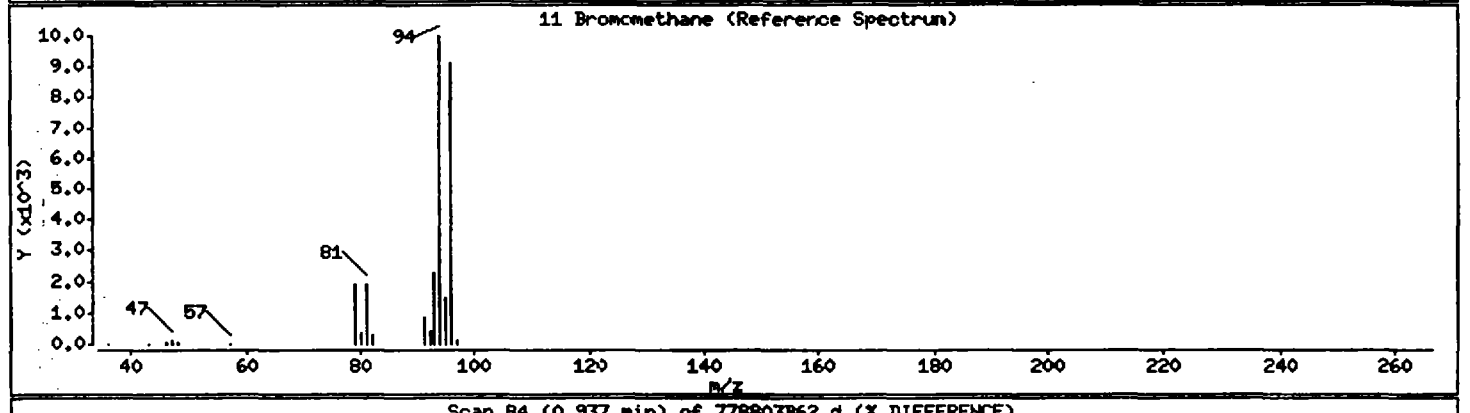
Purge Volume: 5.0 Operator: 2323

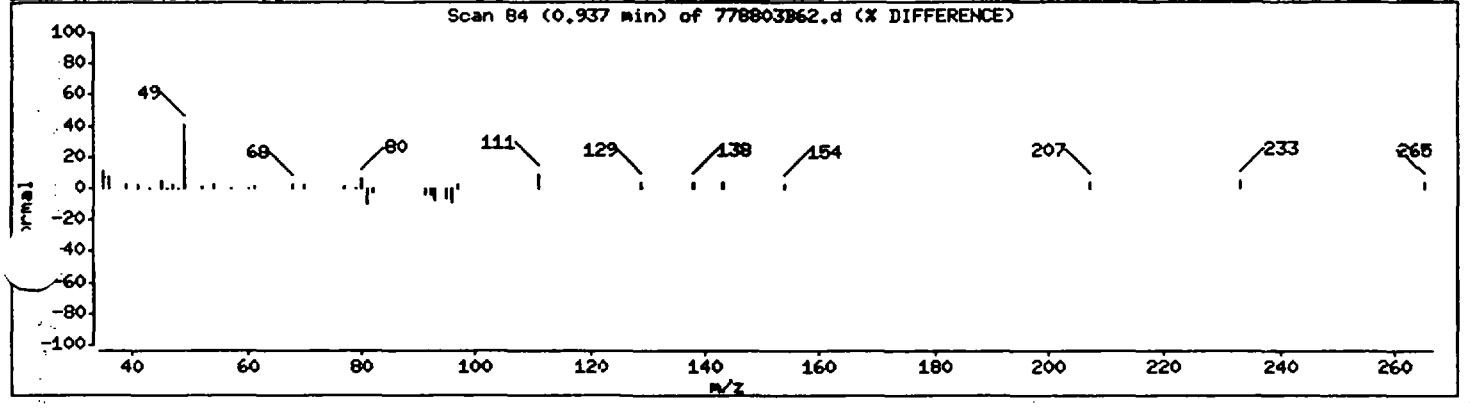
Column phase: RTX-VMS Column diameter: 0.18

11 Bromomethane Concentration: 1.1 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

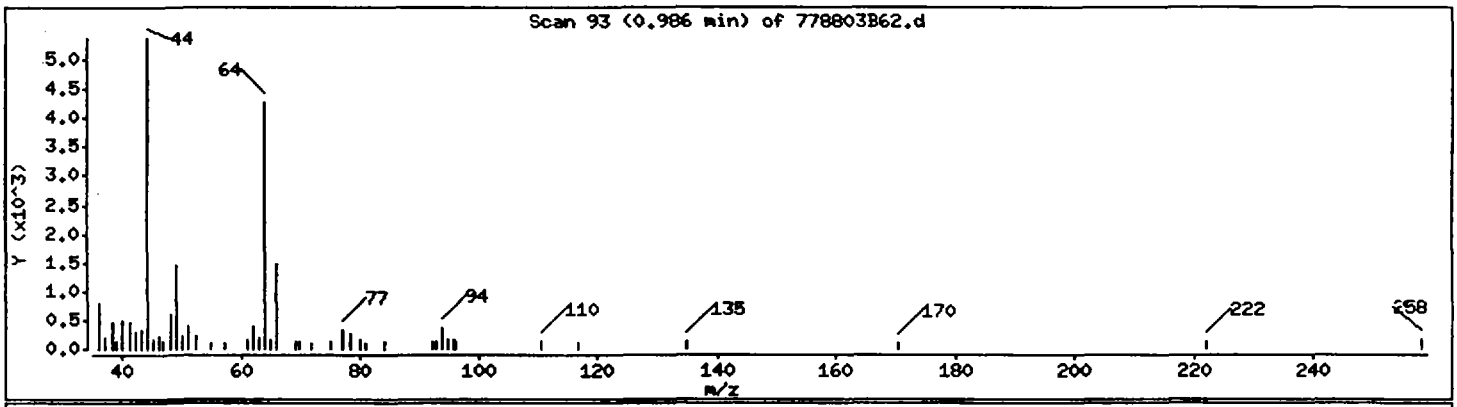
Client ID: ACSGWMW1526 | Instrument: 5973hp62.i

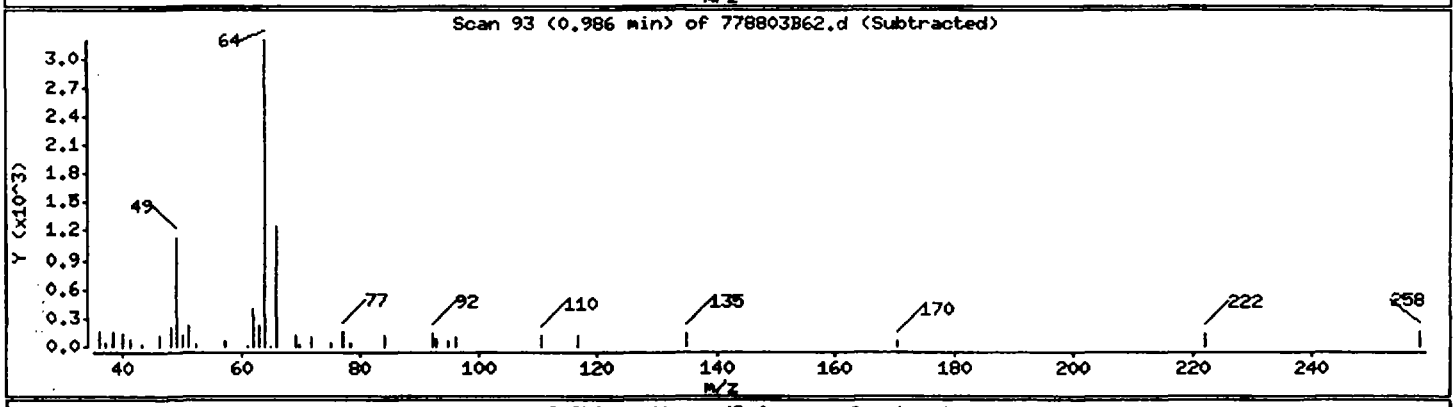
Sample Info: 778803:2323

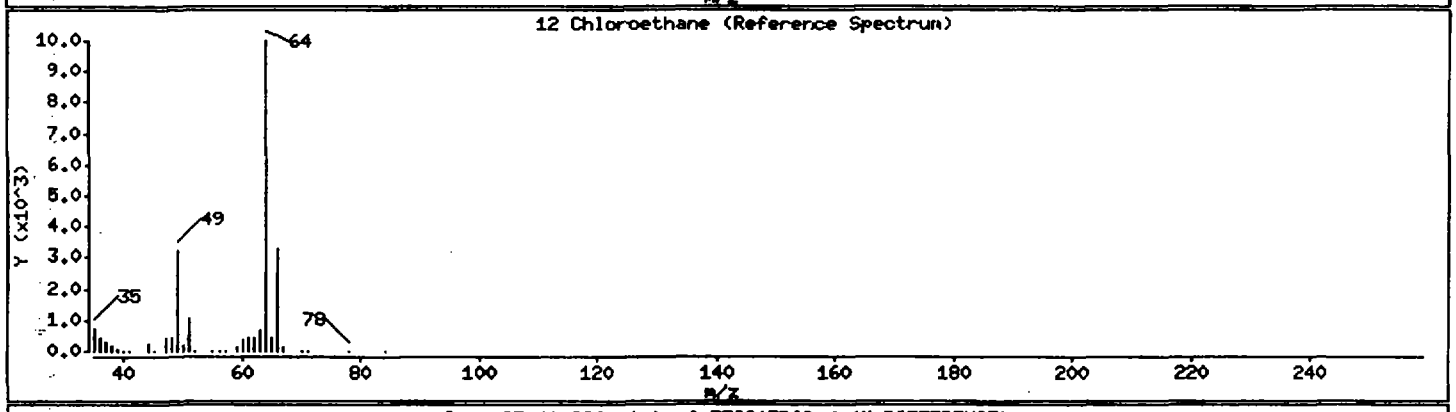
Purge Volume: 5.0 | Operator: 2323

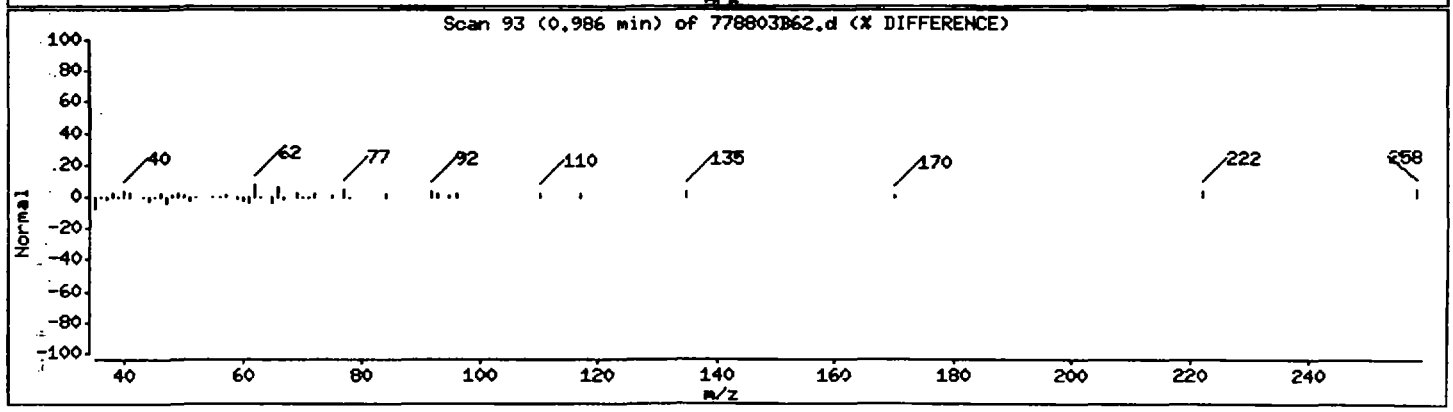
Column phase: RTX-VMS | Column diameter: 0.18

12 Chloroethane | Concentration: 1.9 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

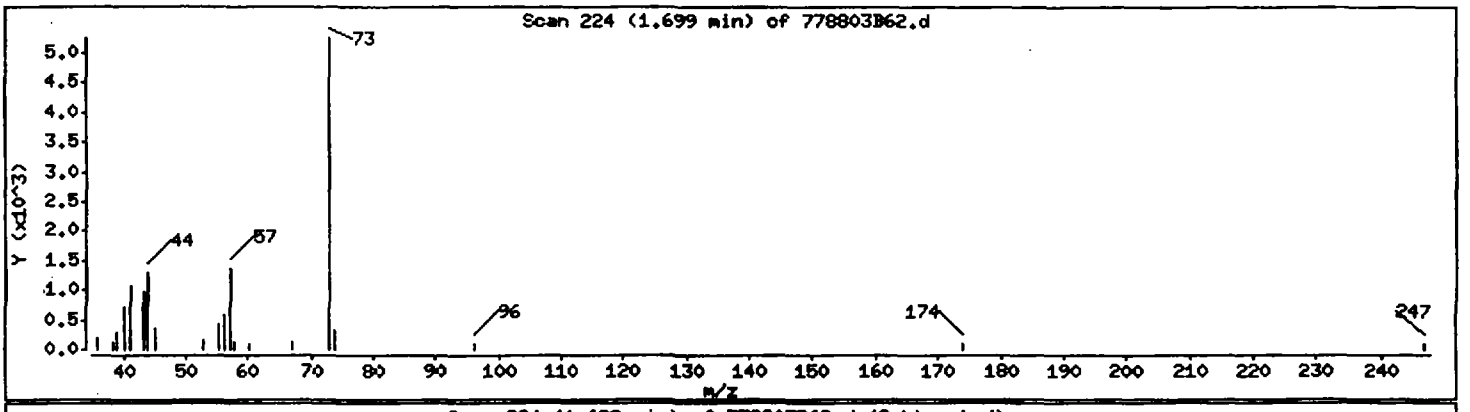
Client ID: ACSGWMW1526 | Instrument: 5973hp62.i

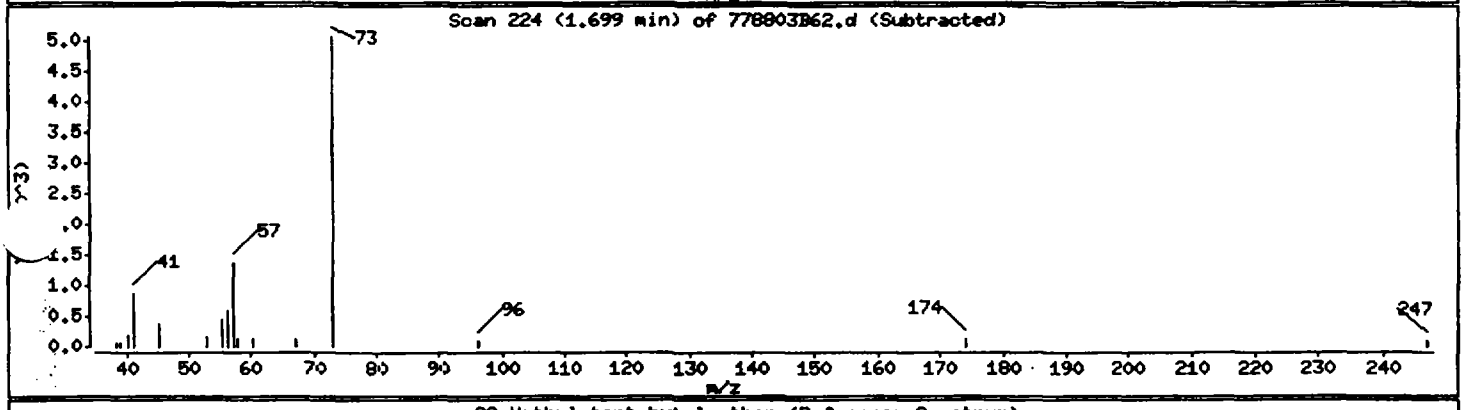
Sample Info: 778803:2323

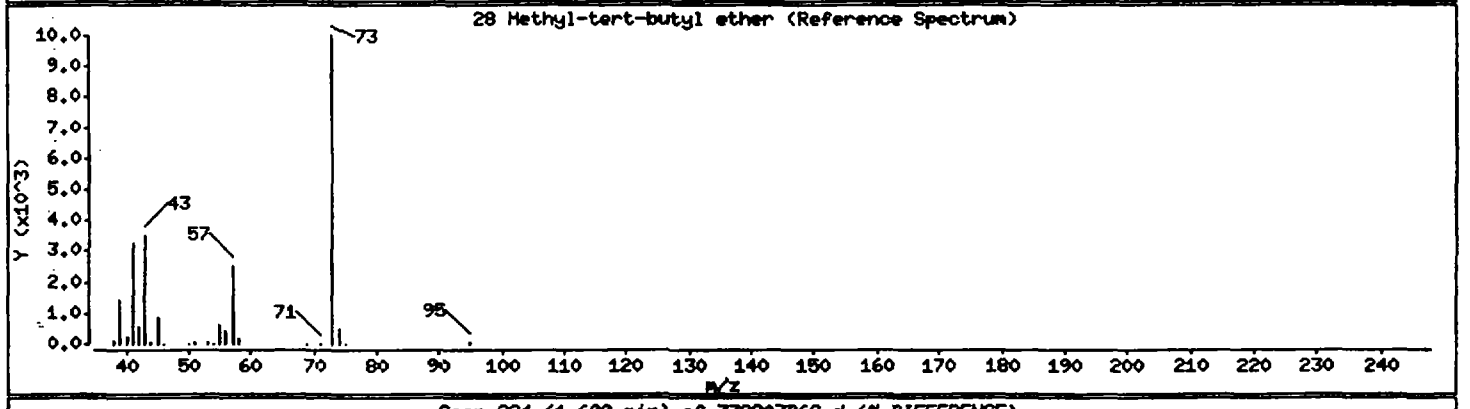
Purge Volume: 5.0 | Operator: 2323

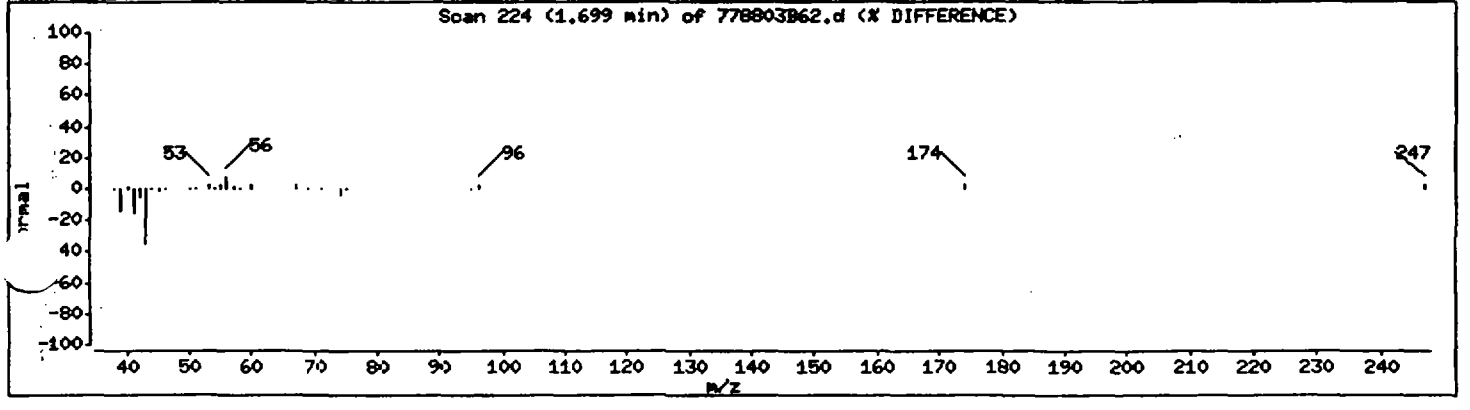
Column phase: RTX-VMS | Column diameter: 0.18

28 Methyl-tert-butyl ether | Concentration: 1.0 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

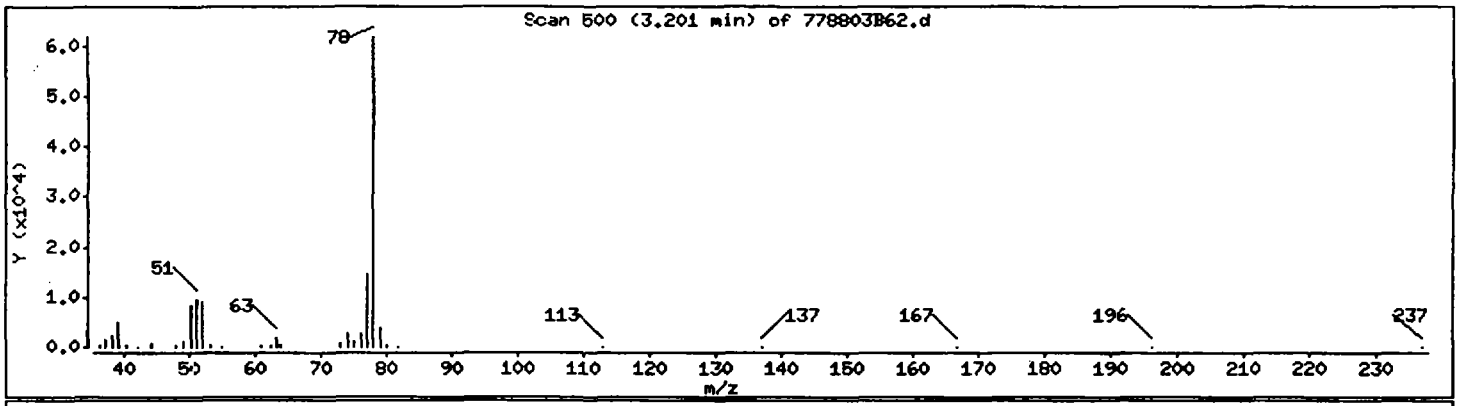
Client ID: ACSGWMW1526 | Instrument: 5973hp62.i

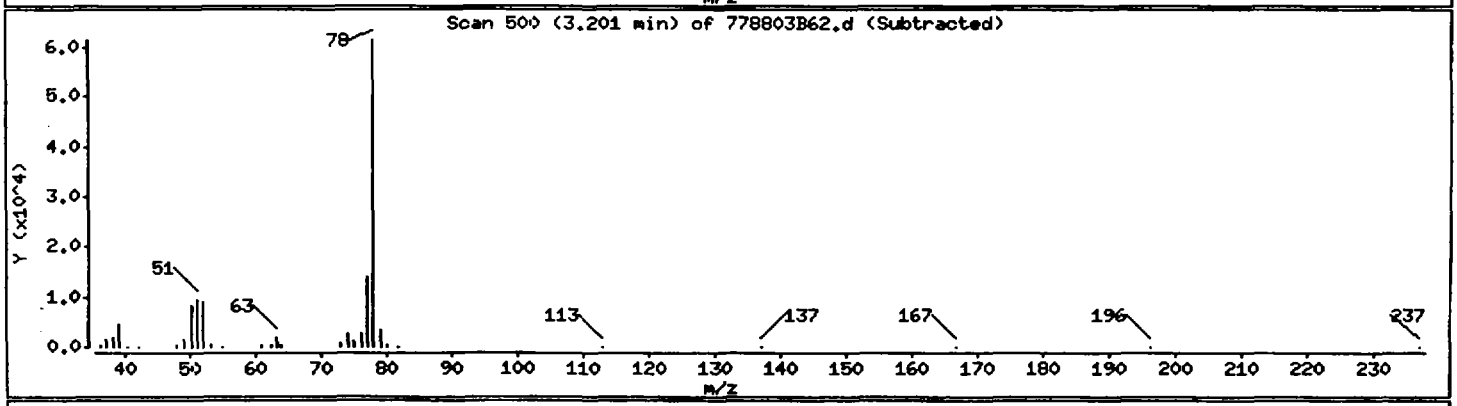
Sample Info: 778803:2323

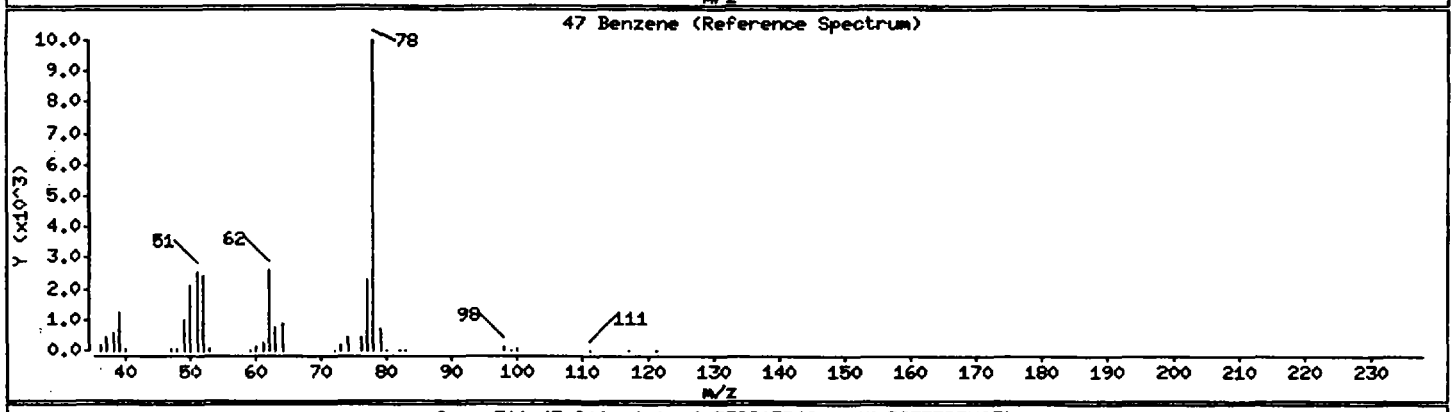
Purge Volume: 5.0 | Operator: 2323

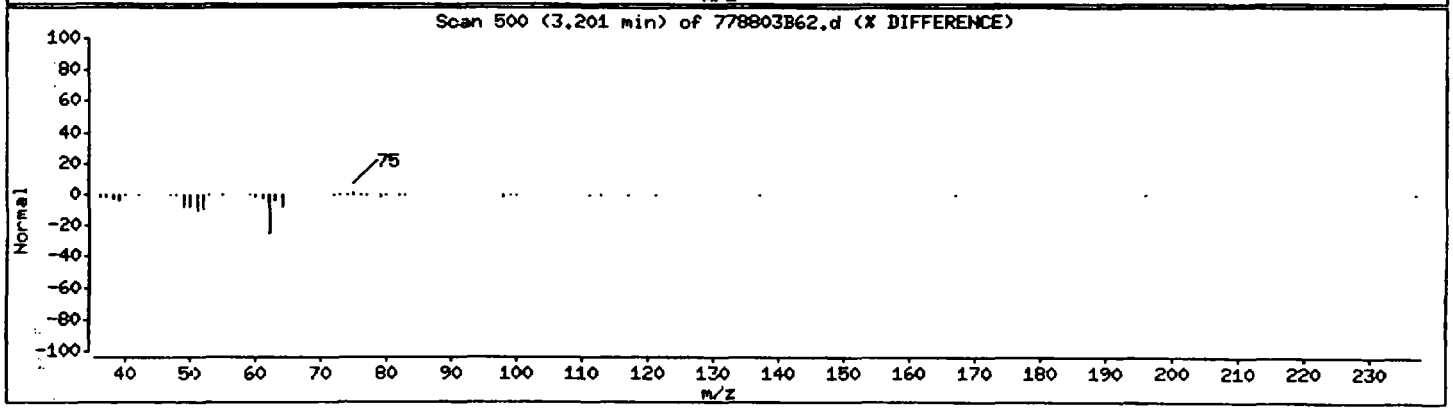
Column phase: RTX-VMS | Column diameter: 0.18

47 Benzene | Concentration: 9.6 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d
Report Date: 26-Sep-2005 01:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778803B62.d
Lab Smp Id: 778803 Client Smp ID: ACSGWMW1526
Inj Date : 23-SEP-2005 03:11
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778803:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 44
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	3.621	1085295	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
0.719	108683	25.0352670	5.0	0		0	1
Methane, chlorofluoro- $$ Chlorofluorome				CAS #: 593-70-4			
0.817	282936	65.1749352	13	86	NBS129K.l	184	1
Ethene, ethyloxy-				CAS #: 0-00-0			
1.176	165415	38.1037616	7.6	90	NBS129K.l	370	1

Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

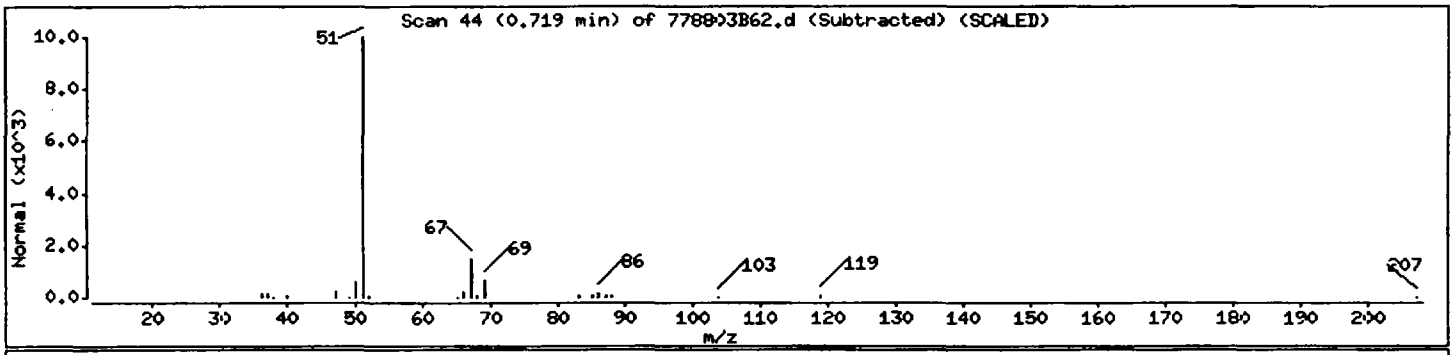
Client ID: ACSGWMW1526 Instrument: 5973hp62.i

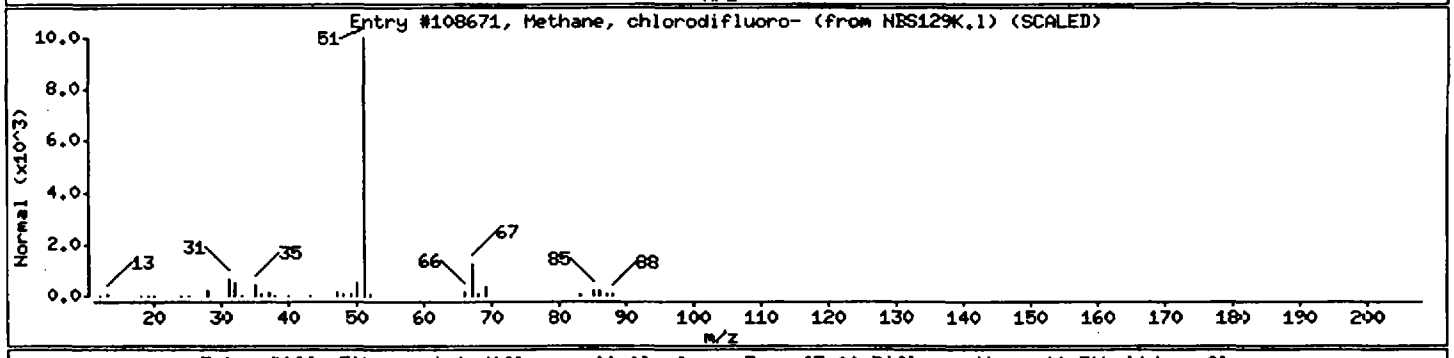
Sample Info: 778803:2323

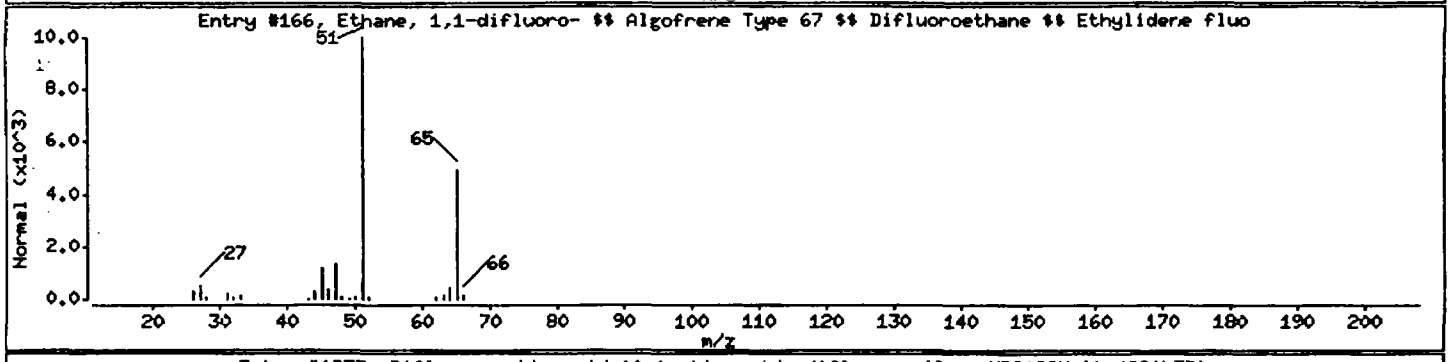
Purge Volume: 5.0 Operator: 2323

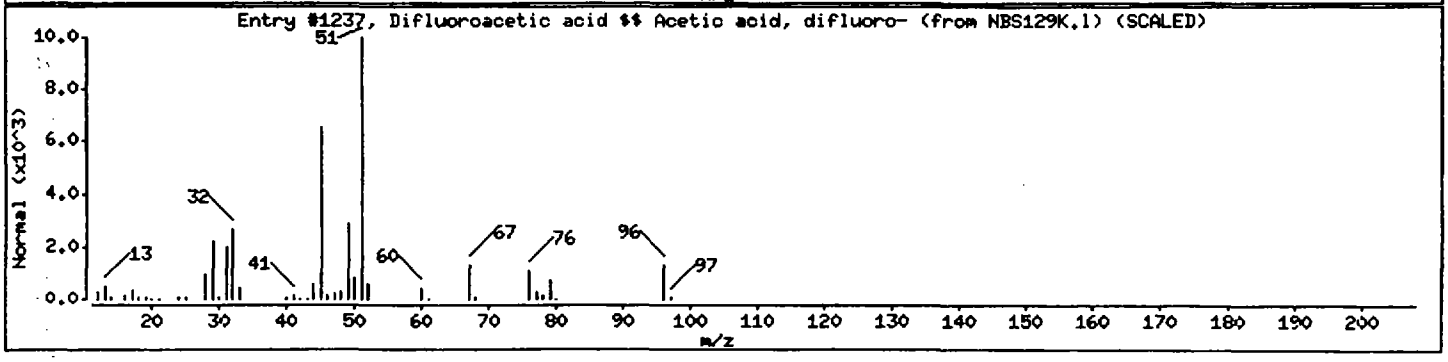
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, chlorodifluoro-	75-45-6	NBS129K.l	108671	83	CHClF2	86
Ethane, 1,1-difluoro- $$ Algofrene Type	75-37-6	NBS129K.l	166	5	C2H4F2	66
Difluoroacetic acid $$ Acetic acid, difl	381-73-7	NBS129K.l	1237	4	C2H2F2O2	96









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Date : 23-SEP-2005 03:11

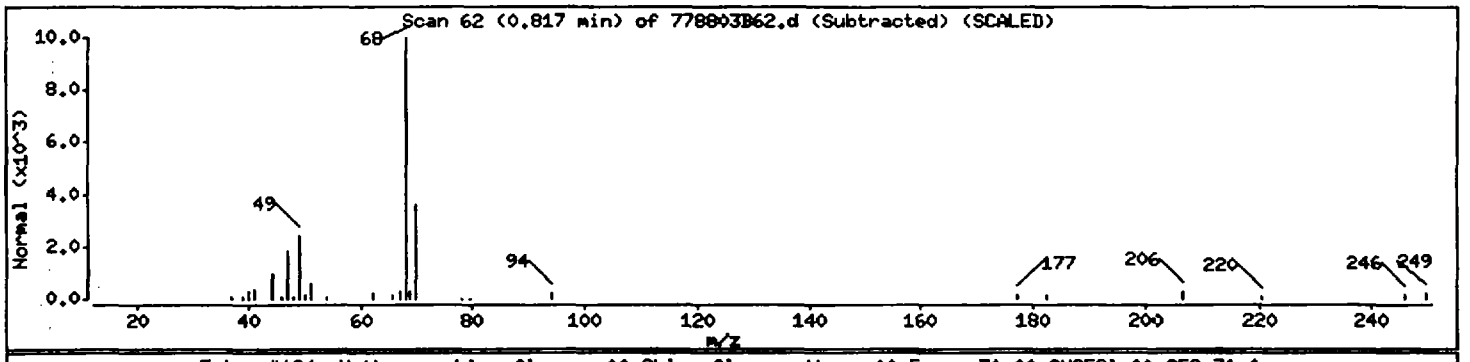
Client ID: ACSGHHW1526 Instrument: 5973hp62.i

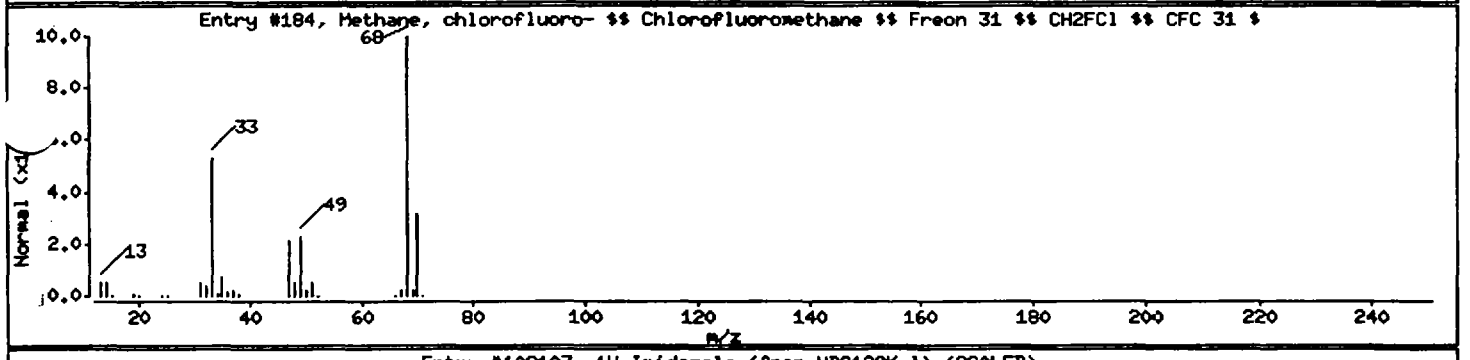
Sample Info: 778803:2323

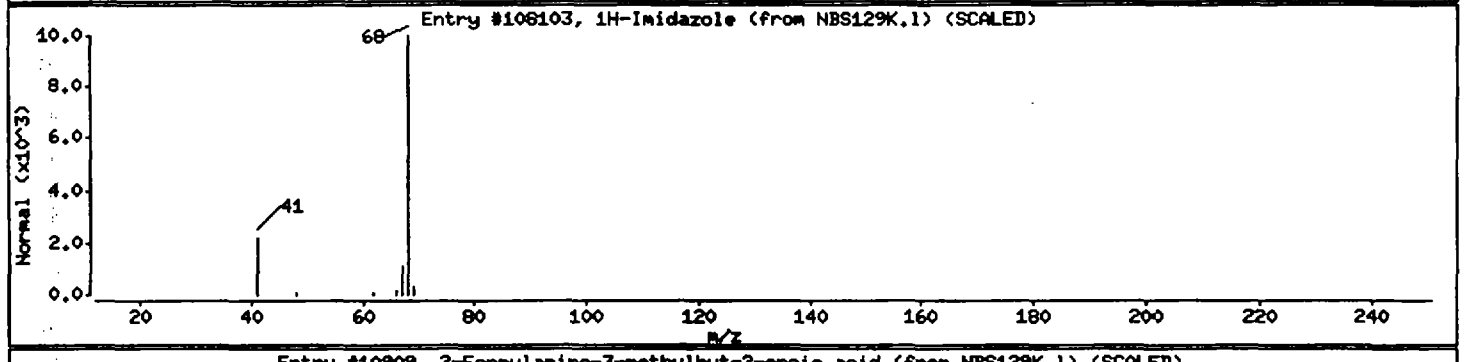
Purge Volume: 5.0 Operator: 2323

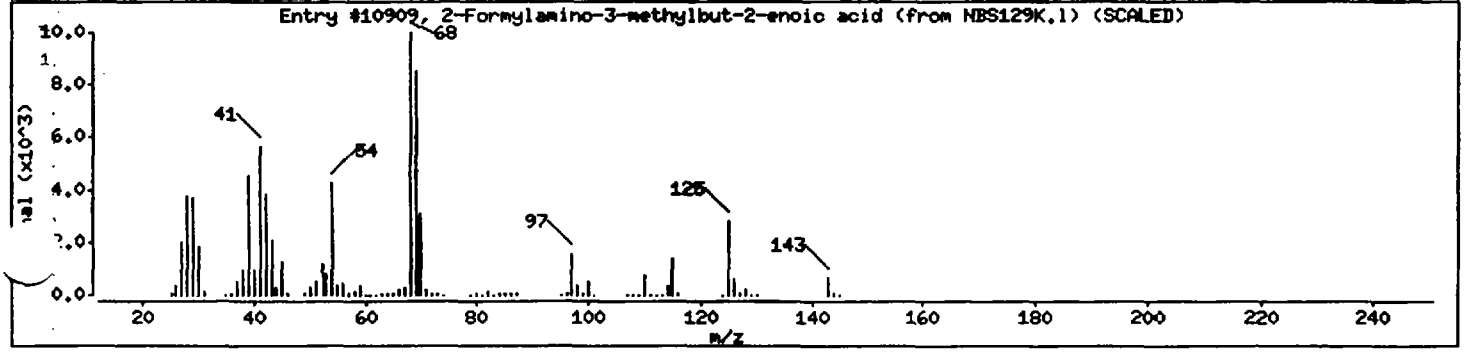
Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, chlorofluoro- $$ Chlorofluorome	593-70-4	NBS129K.l	184	86	CH2ClF	68
1H-Imidazole	288-32-4	NBS129K.l	108103	9	C3H4N2	68
2-Formylamino-3-methylbut-2-enoic acid	0-00-0	NBS129K.l	10909	4	C6H9NO3	143









Data File: /chem/5973hp62.i/DF050922B62.b/778803B62.d

Date : 23-SEP-2005 03:11

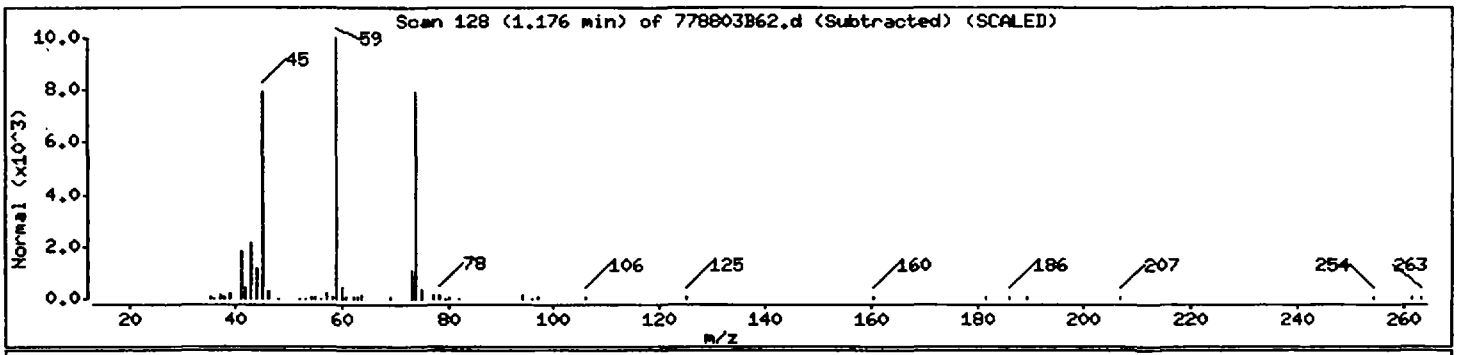
Client ID: ACSGWMW1526 Instrument: 5973hp62.i

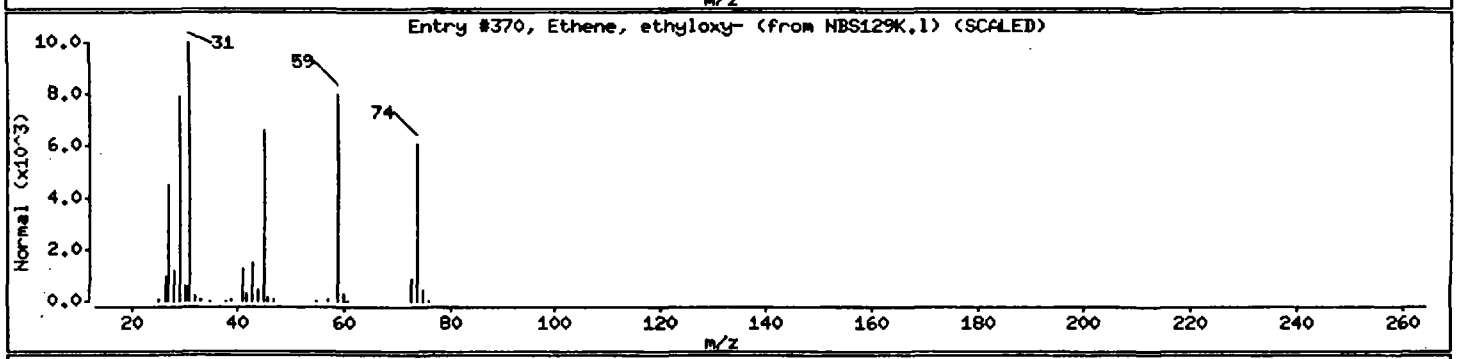
Sample Info: 778803:2323

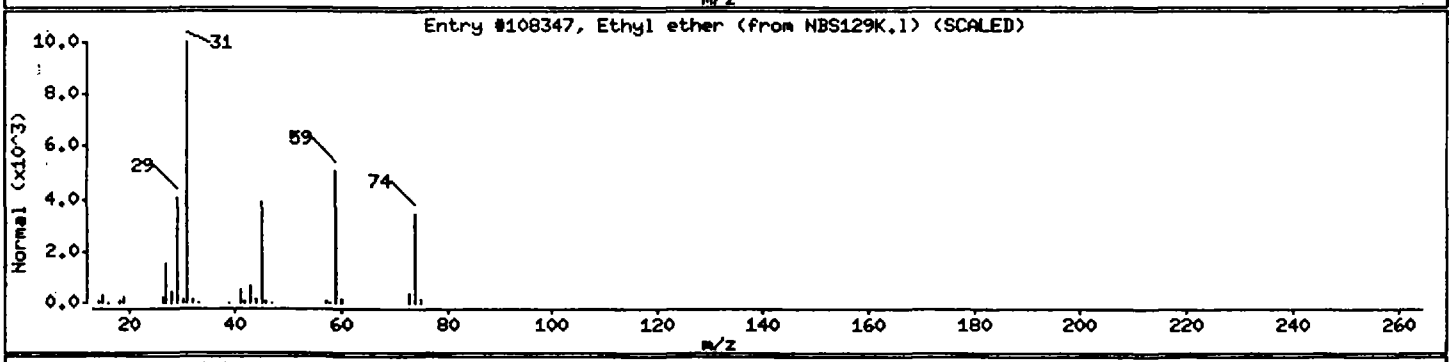
Purge Volume: 5.0 Operator: 2323

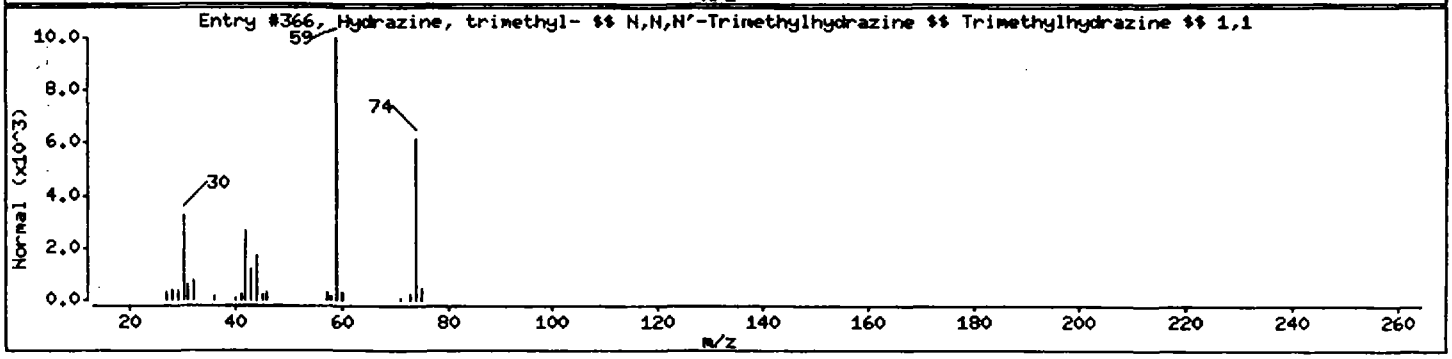
Column phase: RTX-VMS Column diameter: 0.18

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	108347	90	C4H10O	74
Hydrazine, trimethyl- $$ N,N,N'-Trimethy	1741-01-1	NBS129K.l	366	50	C3H10N2	74









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	8.8	
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	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	2.0	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.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.71	8.2	NJ
2.		UNKNOWN	7.95	7.1	J
3.					
4.					
5.					
6.					
7.					
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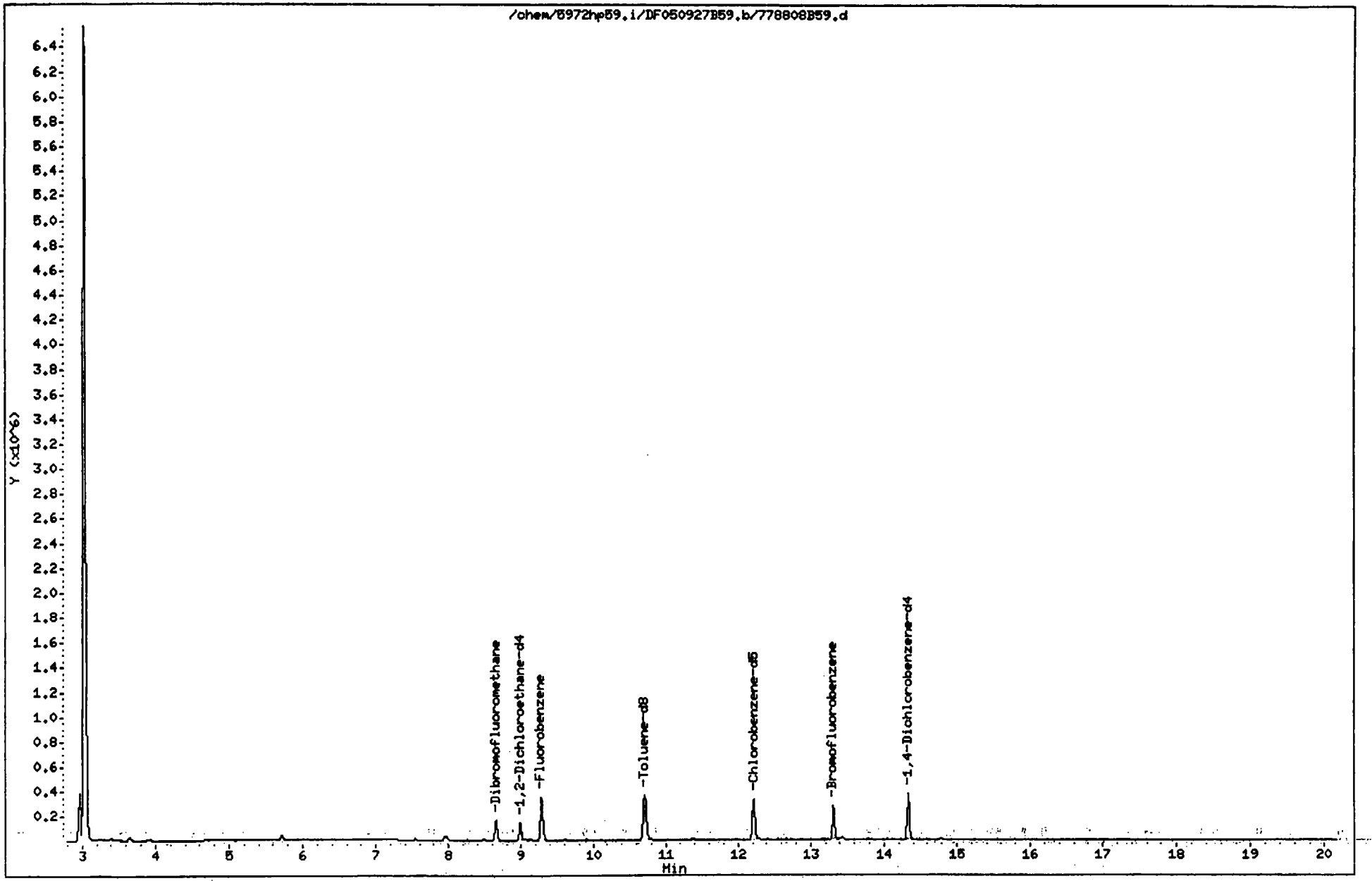
29.					
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d
Date : 28-SEP-2005 08:24
Client ID: ACSGWM41926
Sample Info: 778808:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d
Report Date: 28-Sep-2005 06:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778808B59.d
Lab Smp Id: 778808 Client Smp ID: ACSGWMW1926
Inj Date : 28-SEP-2005 08:24
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778808:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 4
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	9.284	9.290	(1.000)	420663	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.226	(1.000)	254710	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.333	(1.000)	124403	250.000	
$ 4 Dibromofluoromethane	113	8.653	8.660	(0.932)	118581	242.291	48
$ 5 1,2-Dichloroethane-d4	65	8.988	8.995	(0.968)	109074	247.477	49
$ 6 Toluene-d8	98	10.712	10.728	(0.877)	360179	247.660	50
$ 7 Bromofluorobenzene	95	13.302	13.309	(0.928)	137097	237.523	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	4.812	4.828	(0.518)	12330	44.0963	8.8(M)
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
17 Acetone	43	6.151	6.158	(0.663)	5959	56.4405	11(a)
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

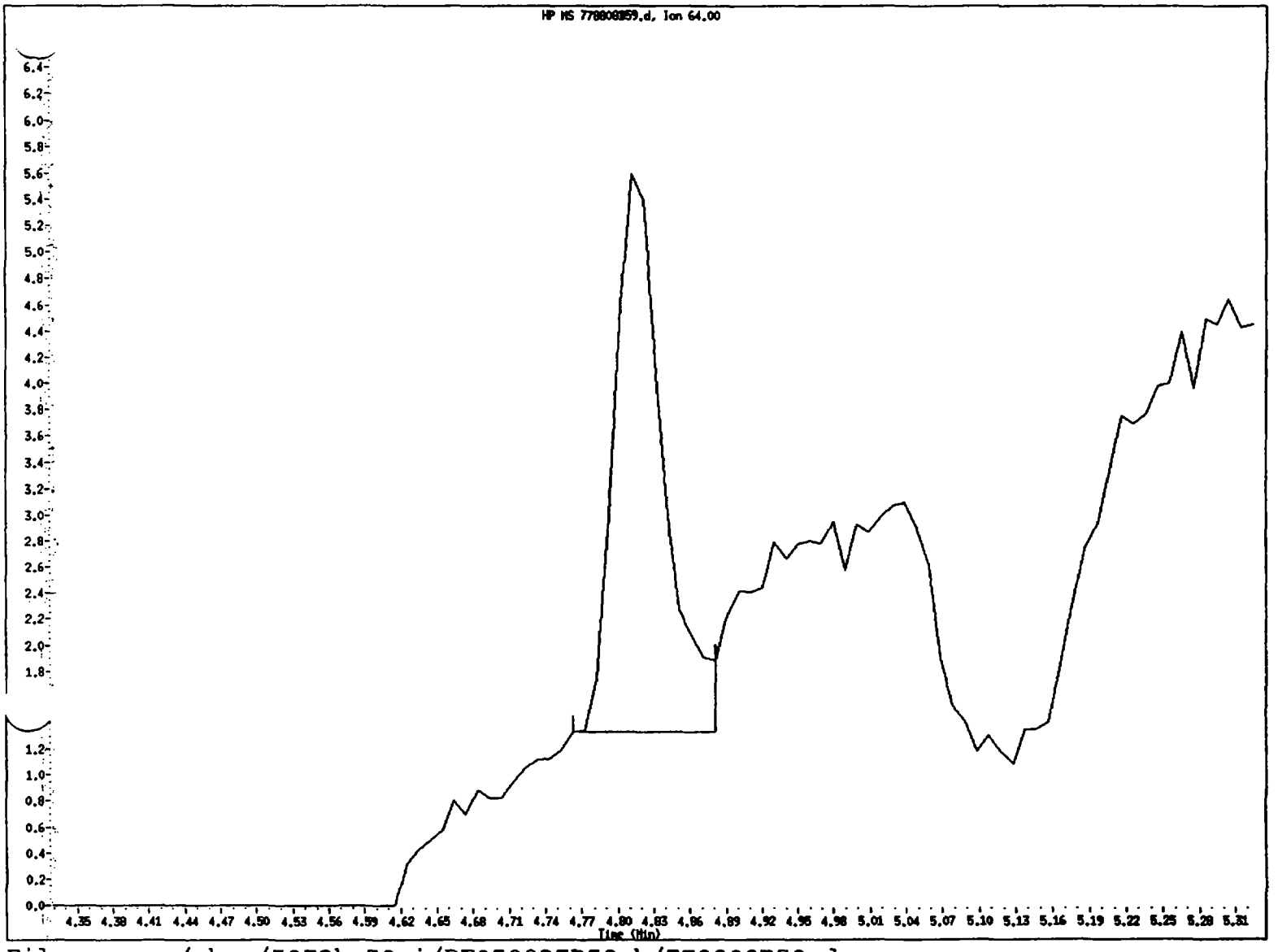
Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d
Report Date: 28-Sep-2005 06:01

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	11.382	11.369	(0.931)	2762	9.77259	2.0(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).
M - Compound response manually integrated.

Chloroethane CAS Number 75-00-3 Area = 12330 Manually integrated



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Client ID: ACSGWMW1926
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 08:24
Retention Time: 4.81
Operator ID: 2481

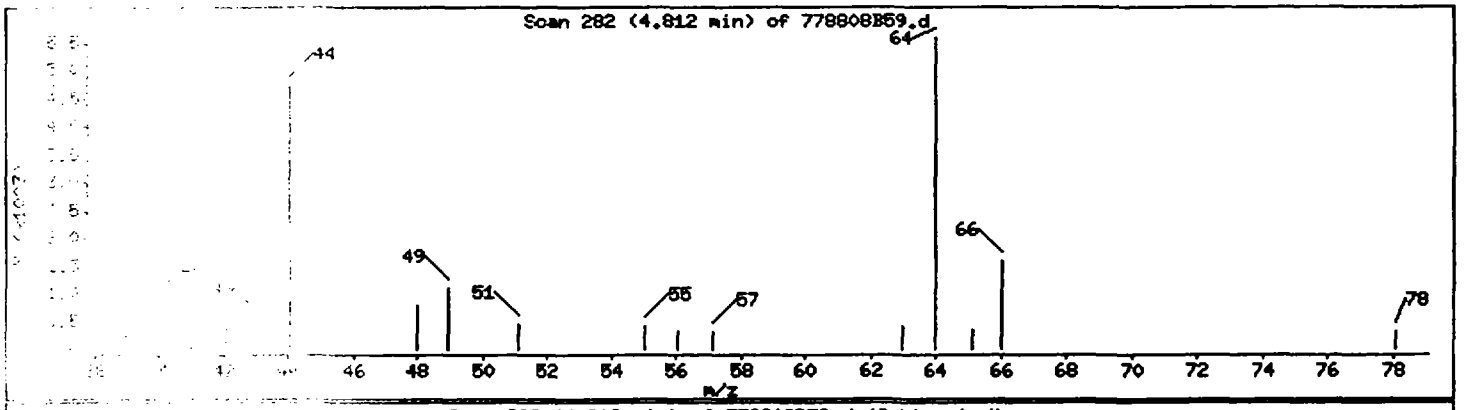
/chem/5972hp59.i/DF050927B59.b/778808B59.d

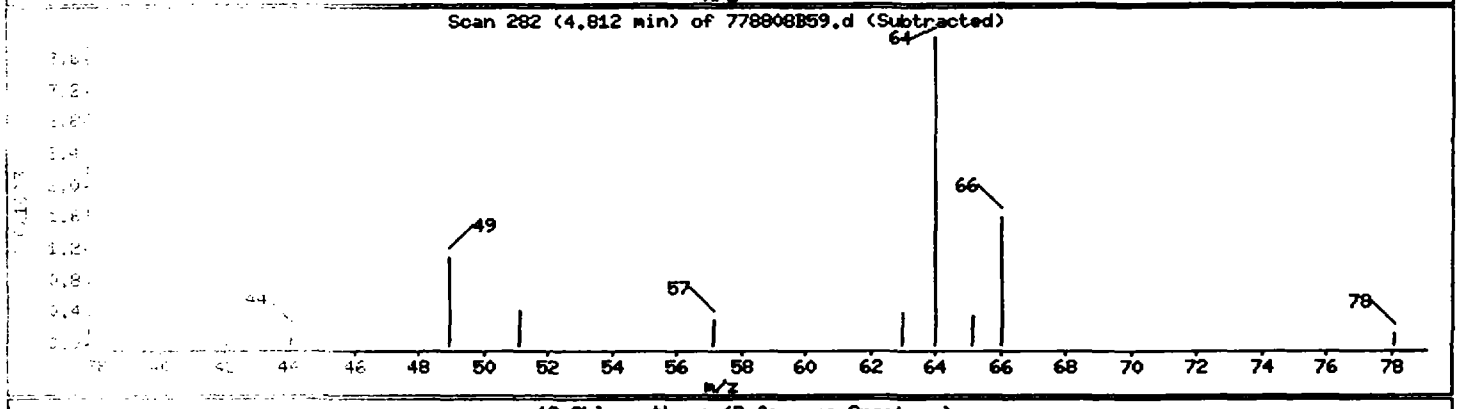
Instrument: 5972hp59.i

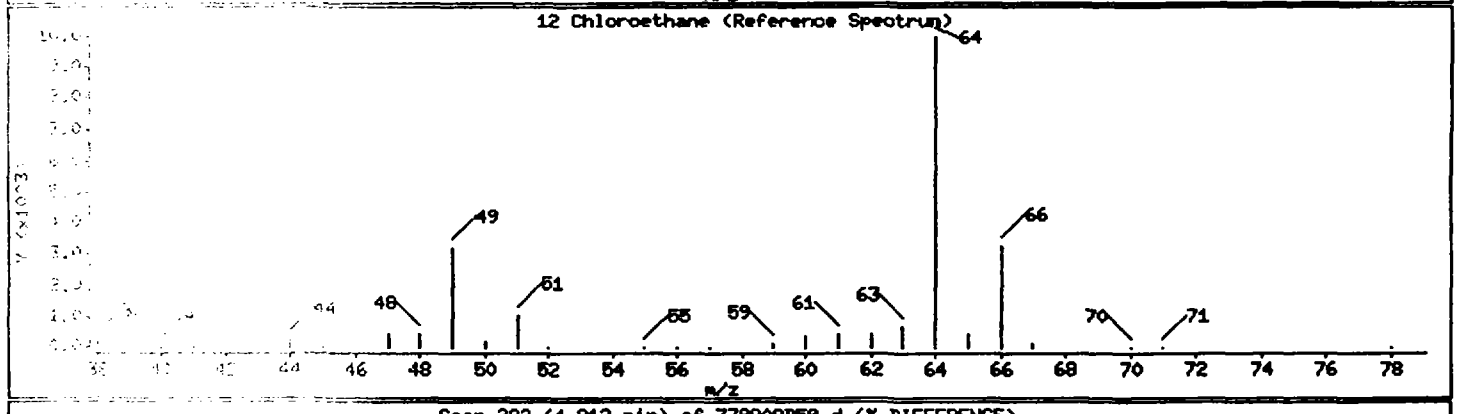
Operator: 2481

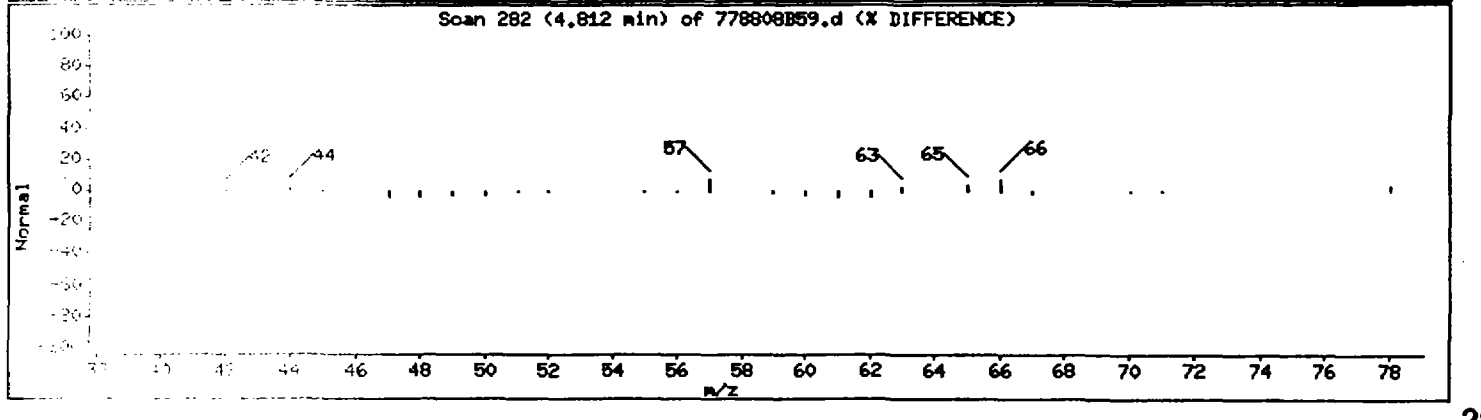
Column diameter: 0.32

Concentration: 8.8 ug/L









Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d

Date : 28-SEP-2005 08:24

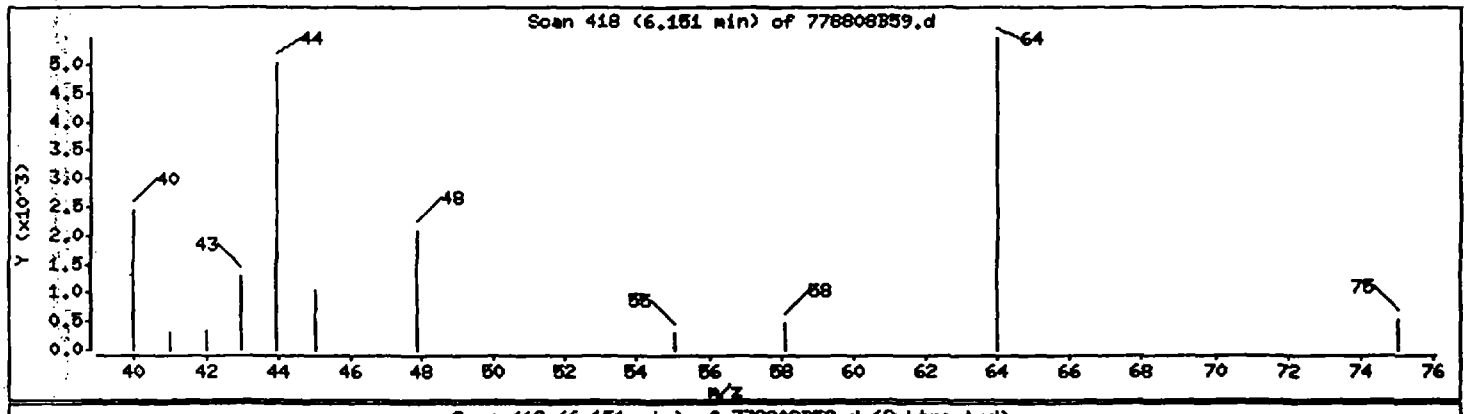
Client ID: ACSGWMW1926 Instrument: 5972hp59.i

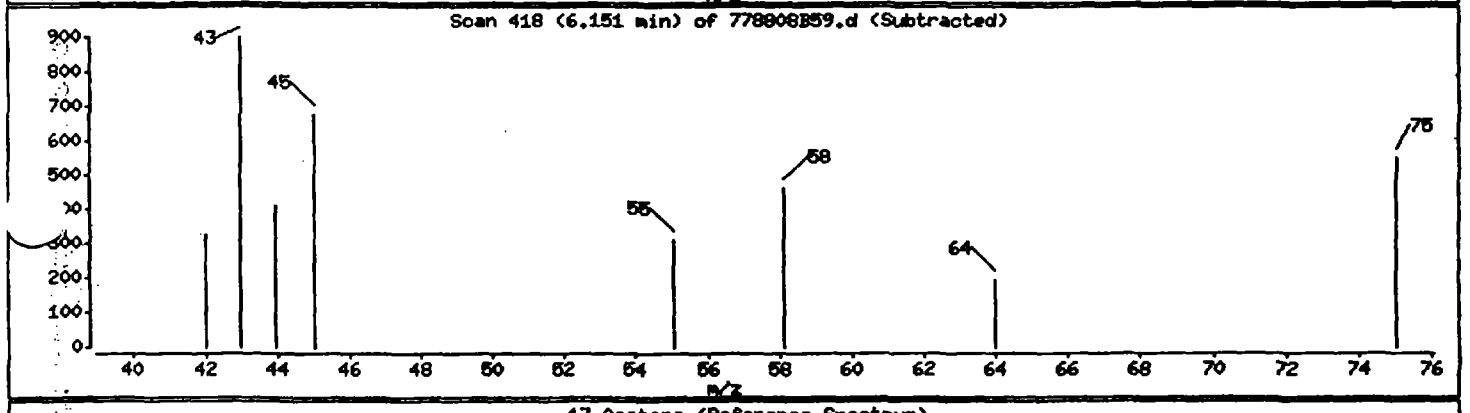
Sample Info: 778808:2481

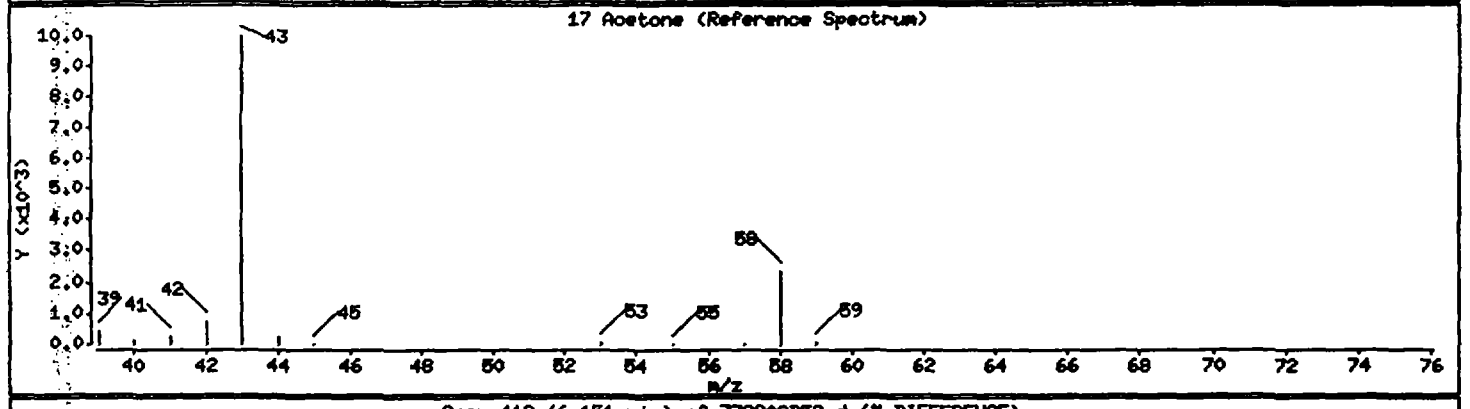
Purge Volume: 5.0 Operator: 2481

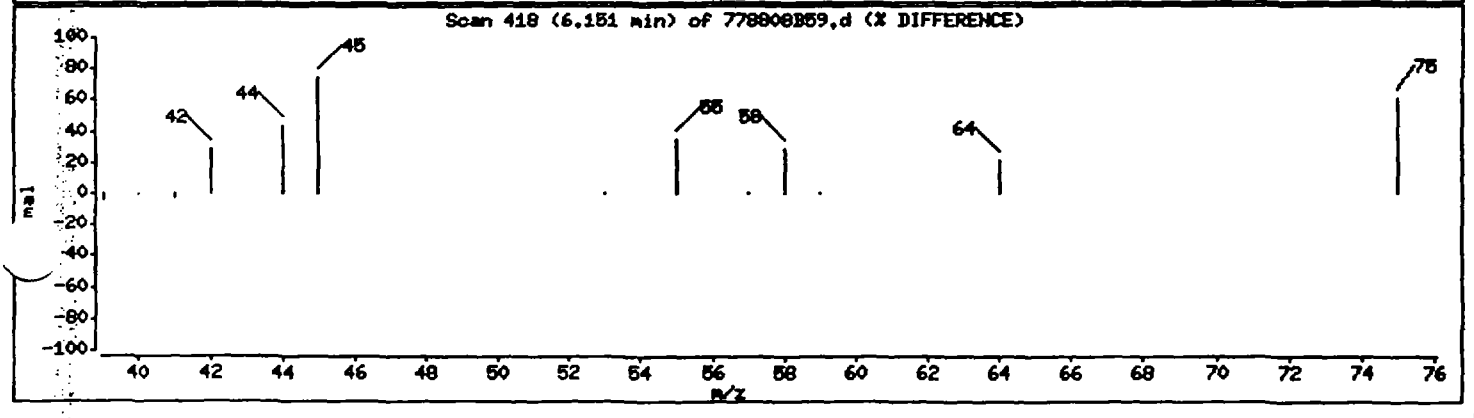
Column phase: ZB-624 Column diameter: 0.32

17 Acetone Concentration: 11 ug/L









Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d

Date : 28-SEP-2005 08:24

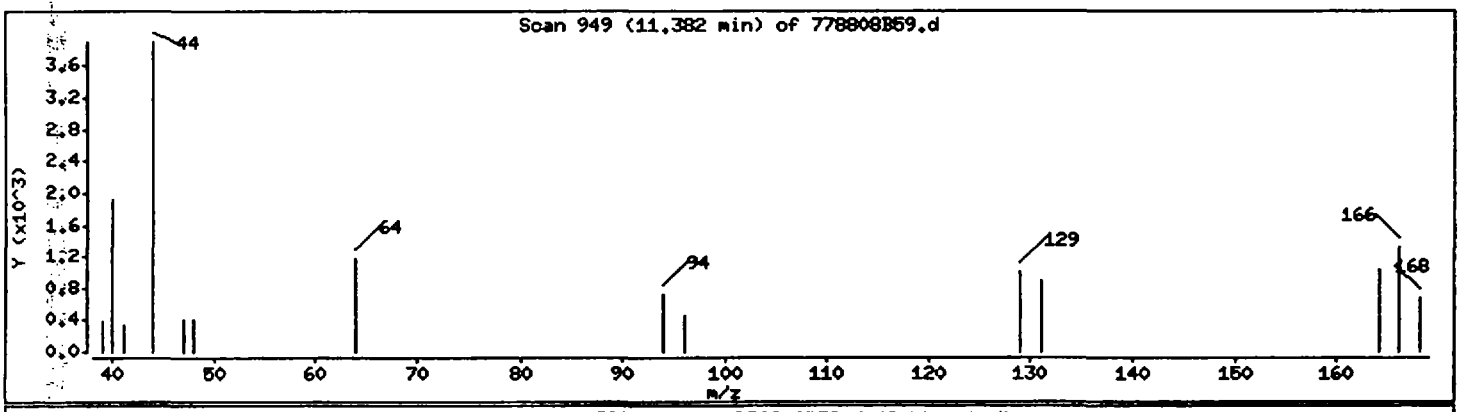
Client ID: ACSGHMW1926 | Instrument: 5972hp59.i

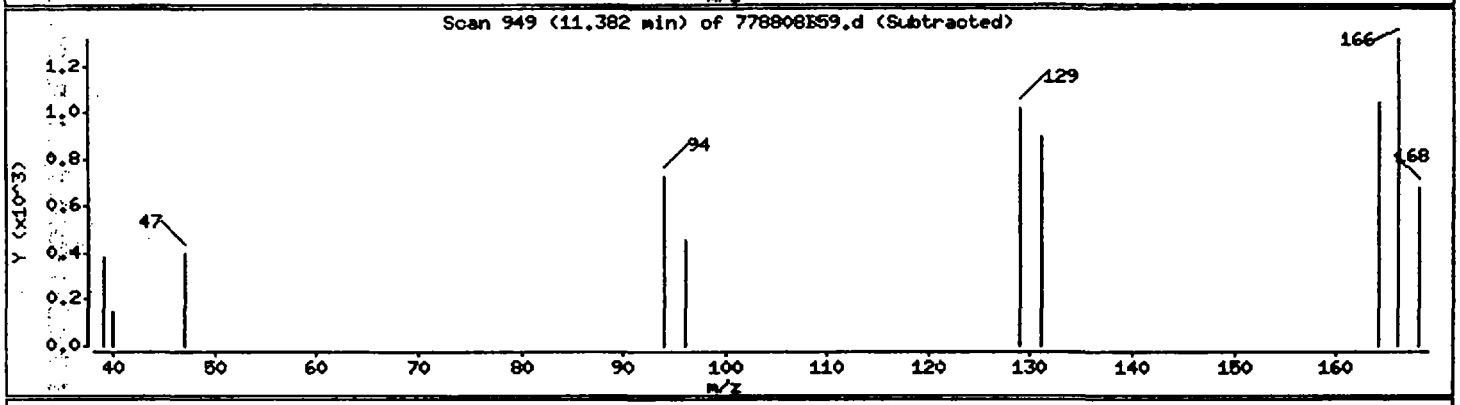
Sample Info: 778808:2481

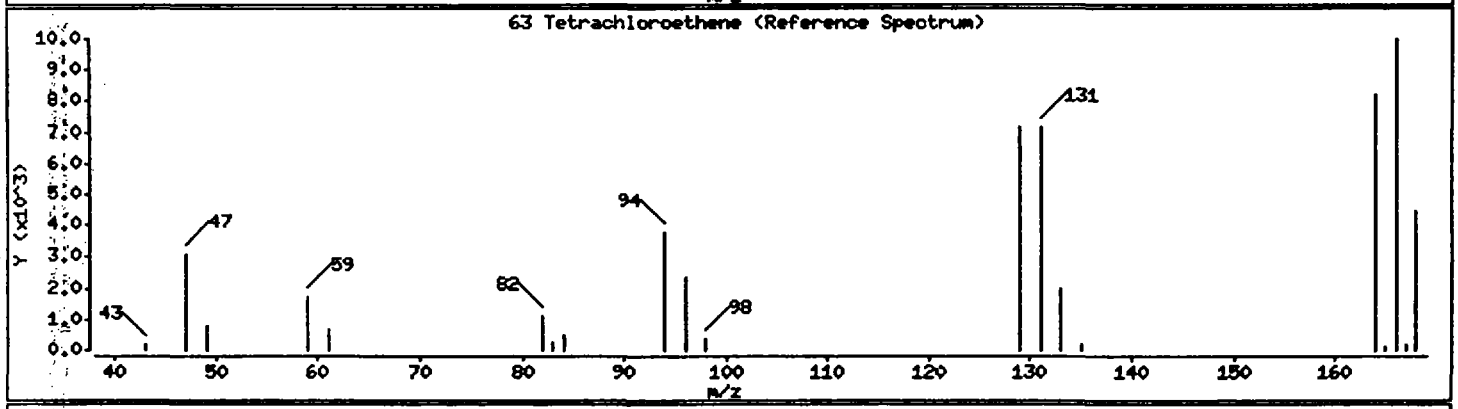
Purge Volume: 5.0 | Operator: 2481

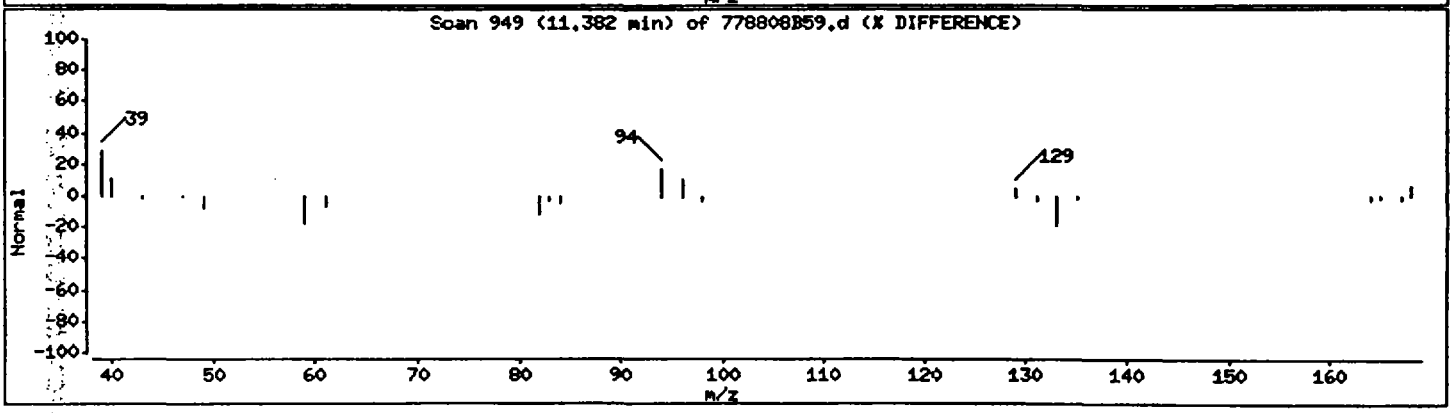
Column phase: ZB-624 | Column diameter: 0.32

63 Tetrachloroethene | Concentration: 2.0 ug/L









Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d
Report Date: 28-Sep-2005 06:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778808B59.d
Lab Smp Id: 778808 Client Smp ID: ACSGWMW1926
Inj Date : 28-SEP-2005 08:24
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778808:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 4
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

Compound Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.284	881083	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethyl ether				CAS #: 60-29-7			
5.708	145361	41.2449293	8.2	91	NBS129K.1	108347	1
Unknown				CAS #:			
7.954	125548	35.6231575	7.1	0		0	1

Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d

Date : 28-SEP-2005 08:24

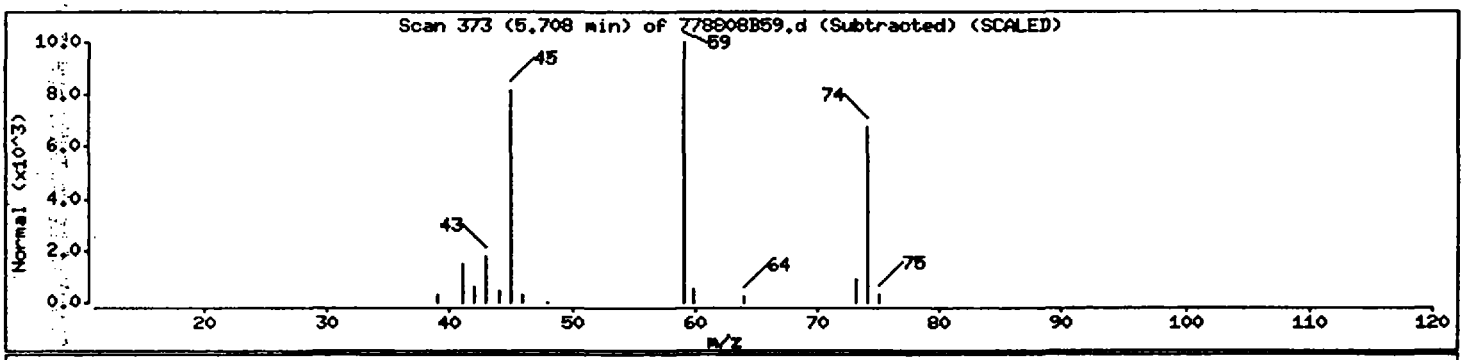
Client ID: ACSGWMW1926 Instrument: 5972hp59.i

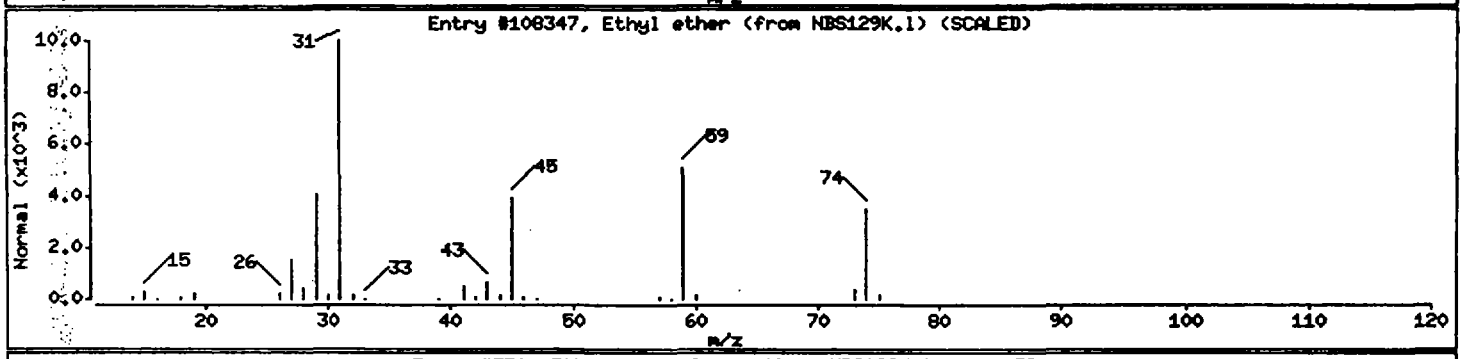
Sample Info: 778808:2481

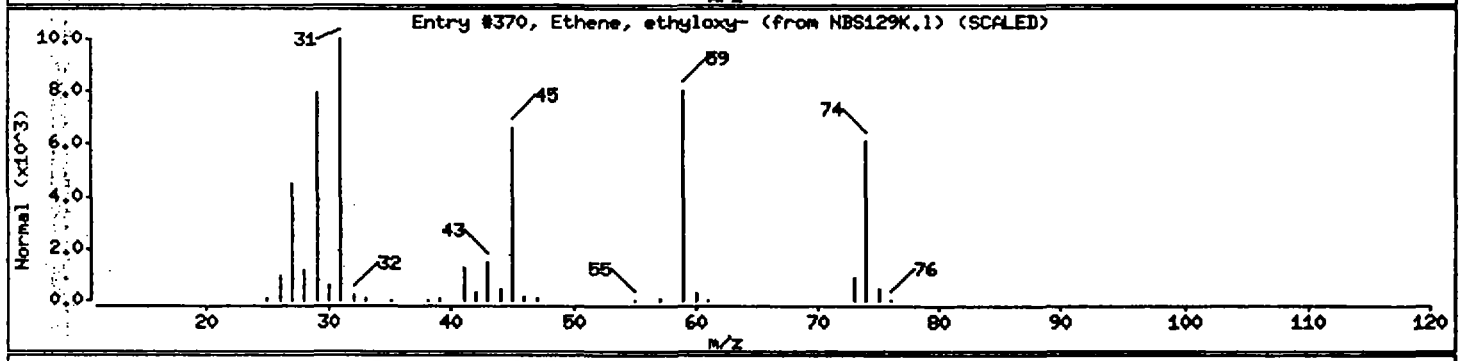
Purge Volume: 5.0 Operator: 2481

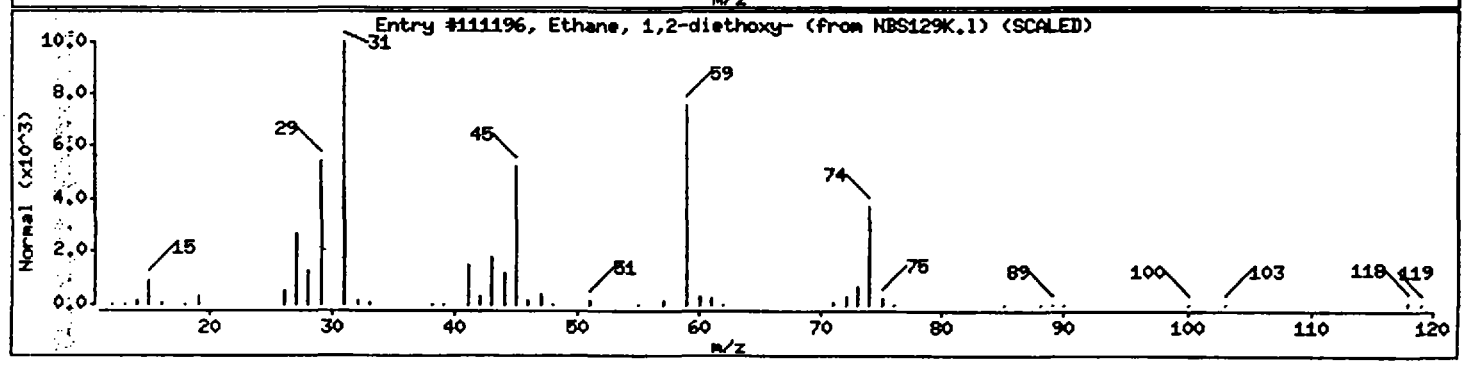
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl ether	60-29-7	NBS129K.l	108347	91	C4H10O	74
Ethene, ethyloxy-	0-00-0	NBS129K.l	370	90	C4H10O	74
Ethane, 1,2-diethoxy-	629-14-1	NBS129K.l	111196	64	C6H14O2	118









Data File: /chem/5972hp59.i/DF050927B59.b/778808B59.d

Date : 28-SEP-2005 08:24

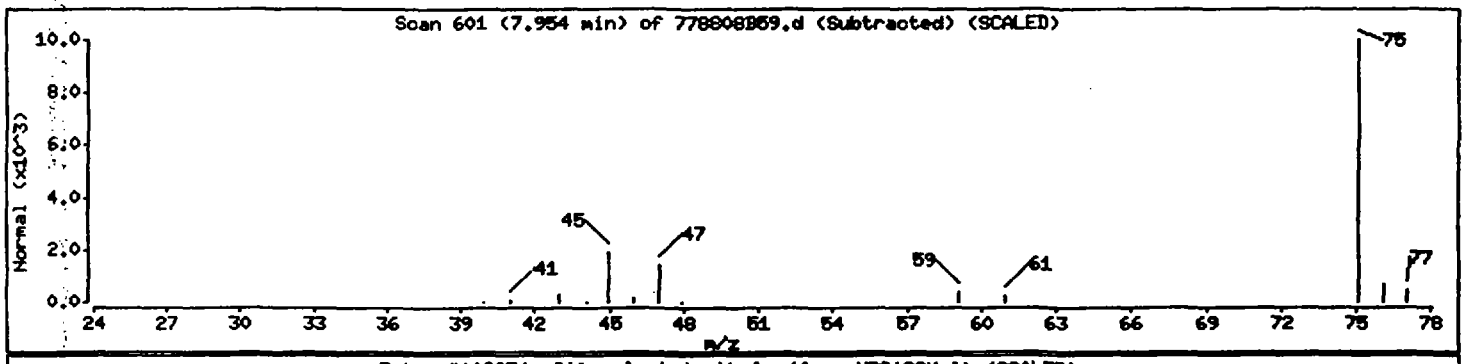
Client ID: ACSGWMW1926 Instrument: 5972hp59.i

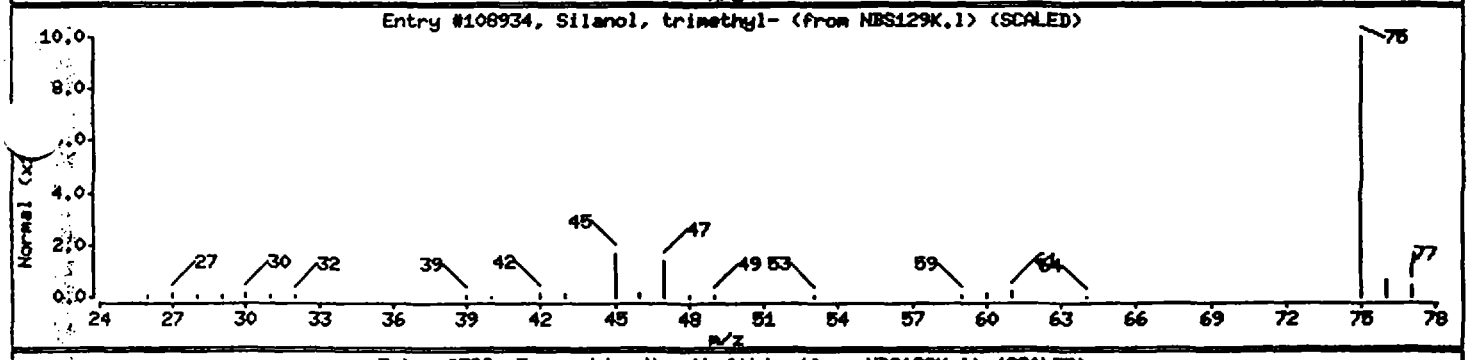
Sample Info: 778808:2481

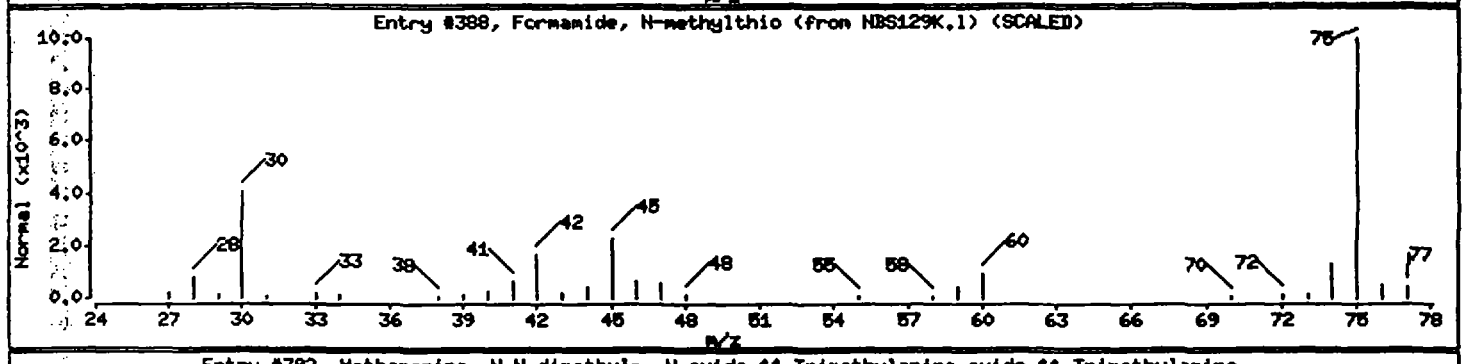
Purge Volume: 5.0 Operator: 2481

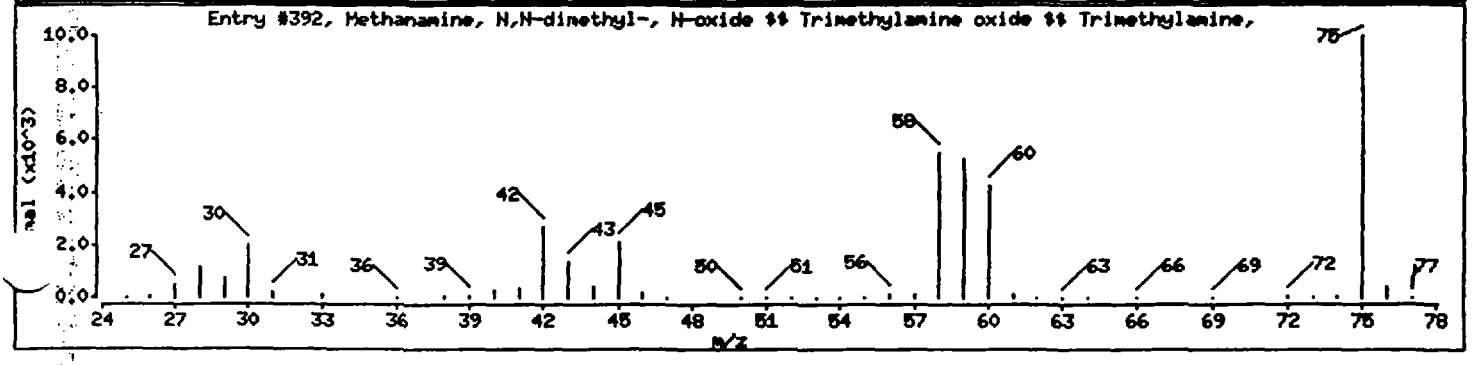
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	78	C3H10OSi	90
Formamide, N-methylthio	0-00-0	NBS129K.l	388	64	C2H5NS	75
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	50	C3H9NO	75









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	42	
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	1.2	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	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.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 1

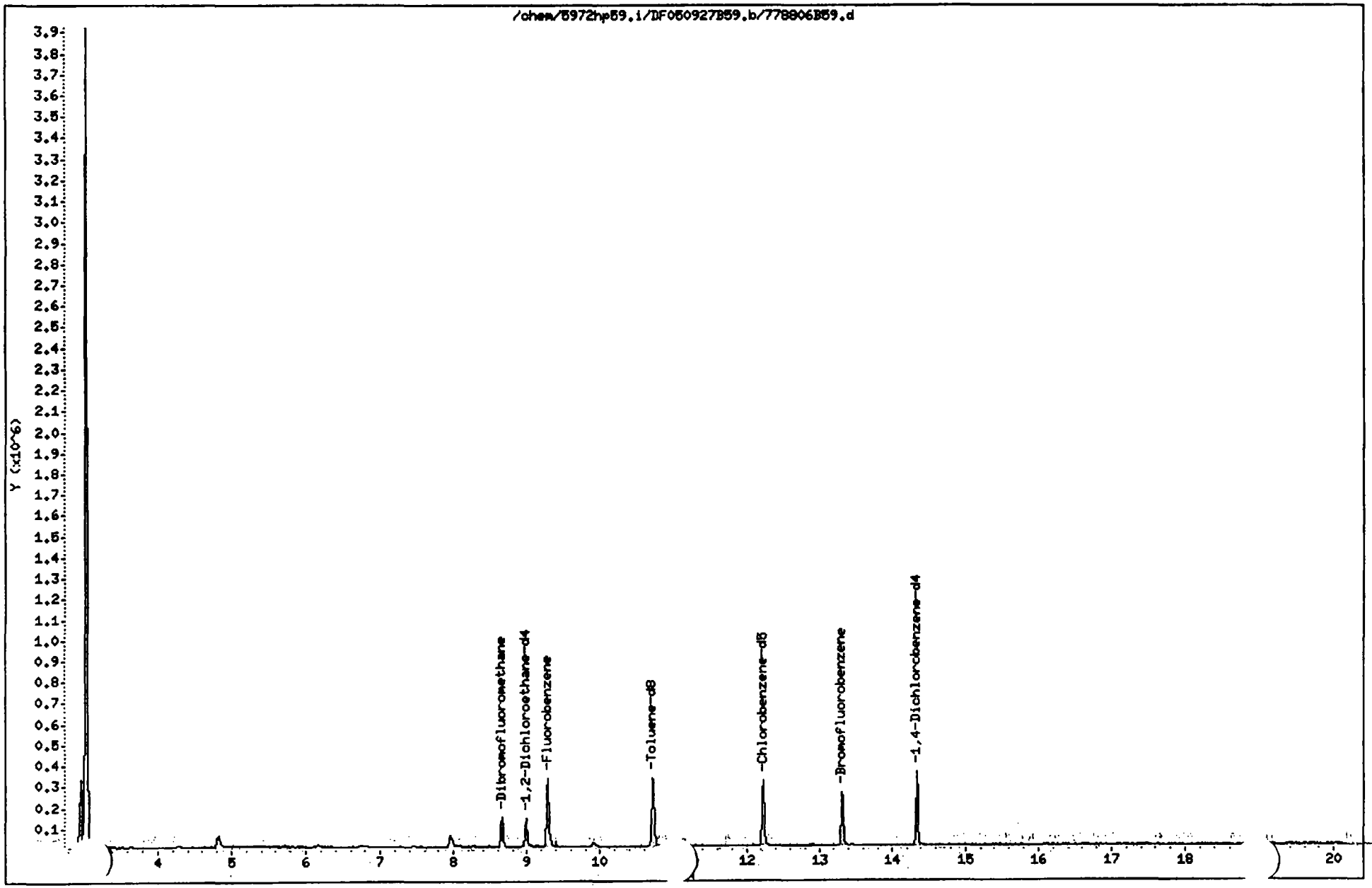
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.97	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/DF050927B59.b/778806B59.d
Date : 28-SEP-2005 01:07
Client ID: ACSGHMW2926
Sample Info: 778806:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/778806B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778806B59.d
Lab Smp Id: 778806 Client Smp ID: ACSGWMW2926
Inj Date : 28-SEP-2005 01:07
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778806:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 2
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	9.288	9.290	(1.000)	388042	250.000	
*	2 Chlorobenzene-d5	117	12.223	12.226	(1.000)	239755	250.000	
*	3 1,4-Dichlorobenzene-d4	152	14.340	14.333	(1.000)	118952	250.000	
$	4 Dibromofluoromethane	113	8.657	8.660	(0.932)	110387	244.509	49
$	5 1,2-Dichloroethane-d4	65	8.992	8.995	(0.968)	100396	246.937	49
$	6 Toluene-d8	98	10.716	10.728	(0.877)	337260	246.366	49
$	7 Bromofluorobenzene	95	13.306	13.309	(0.928)	129742	235.081	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	4.826	4.828	(0.520)	72554	212.067	42
	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/DF050927B59.b/778806B59.d
Report Date: 28-Sep-2005 06:00

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	6.737	6.739	(0.725)	2869	5.89204	1.2(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	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.					
Tetrachloroethene	164	Compound Not Detected.					
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/DF050927B59.b/778806B59.d

Date : 28-SEP-2005 01:07

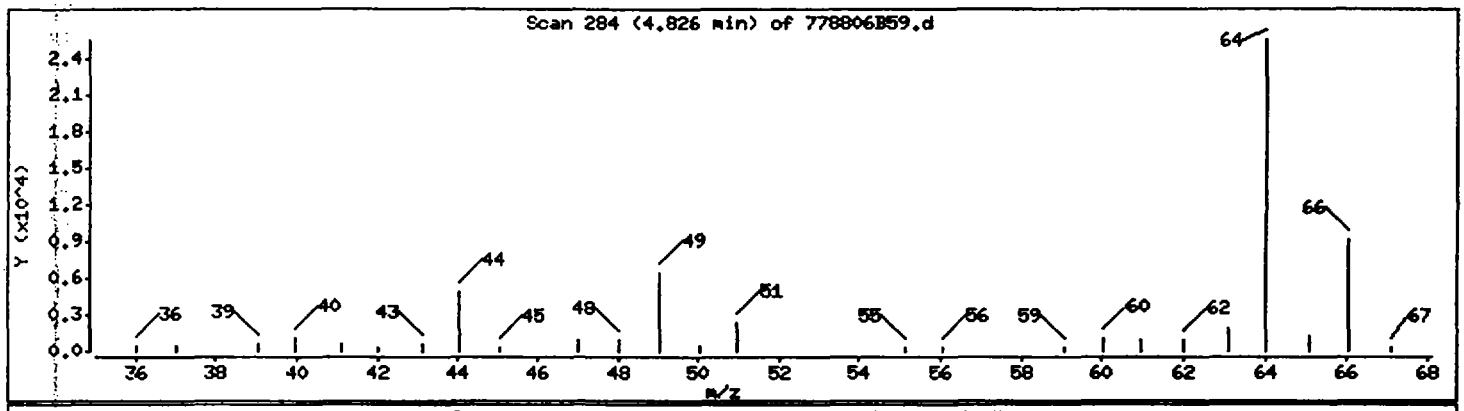
Client ID: ACSGWMW2926 Instrument: 5972hp59.i

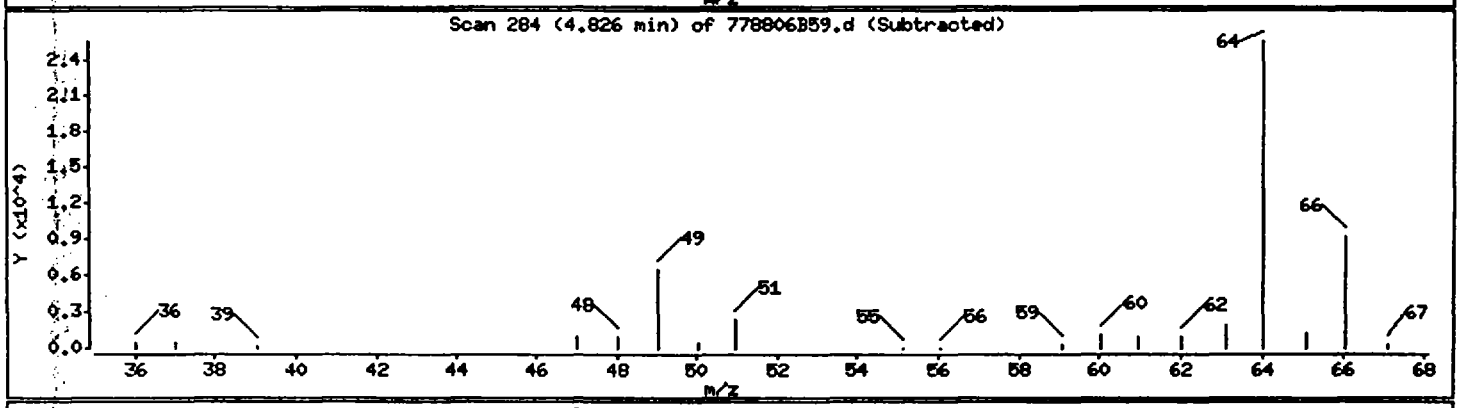
Sample Info: 778806:2481

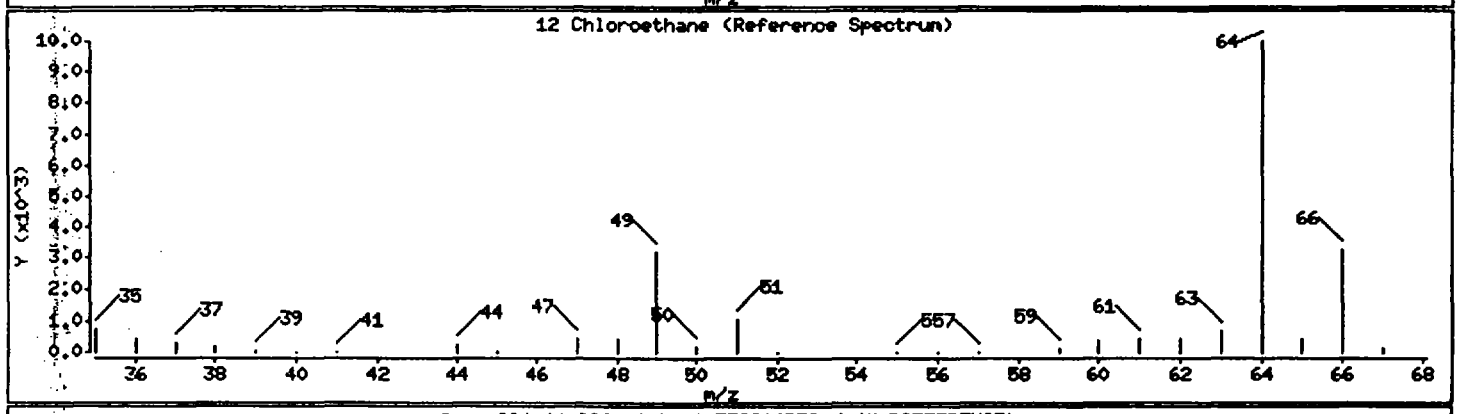
Purge Volume: 5.0 Operator: 2481

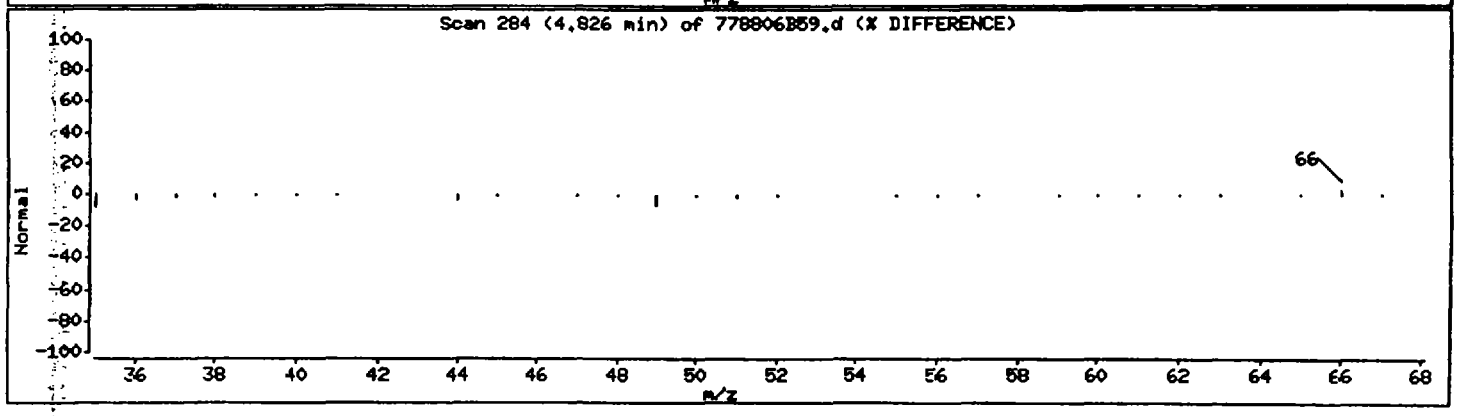
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 42 ug/L









Data File: /chem/5972hp59.i/DF050927B59.b/778806B59.d

Date : 28-SEP-2005 01:07

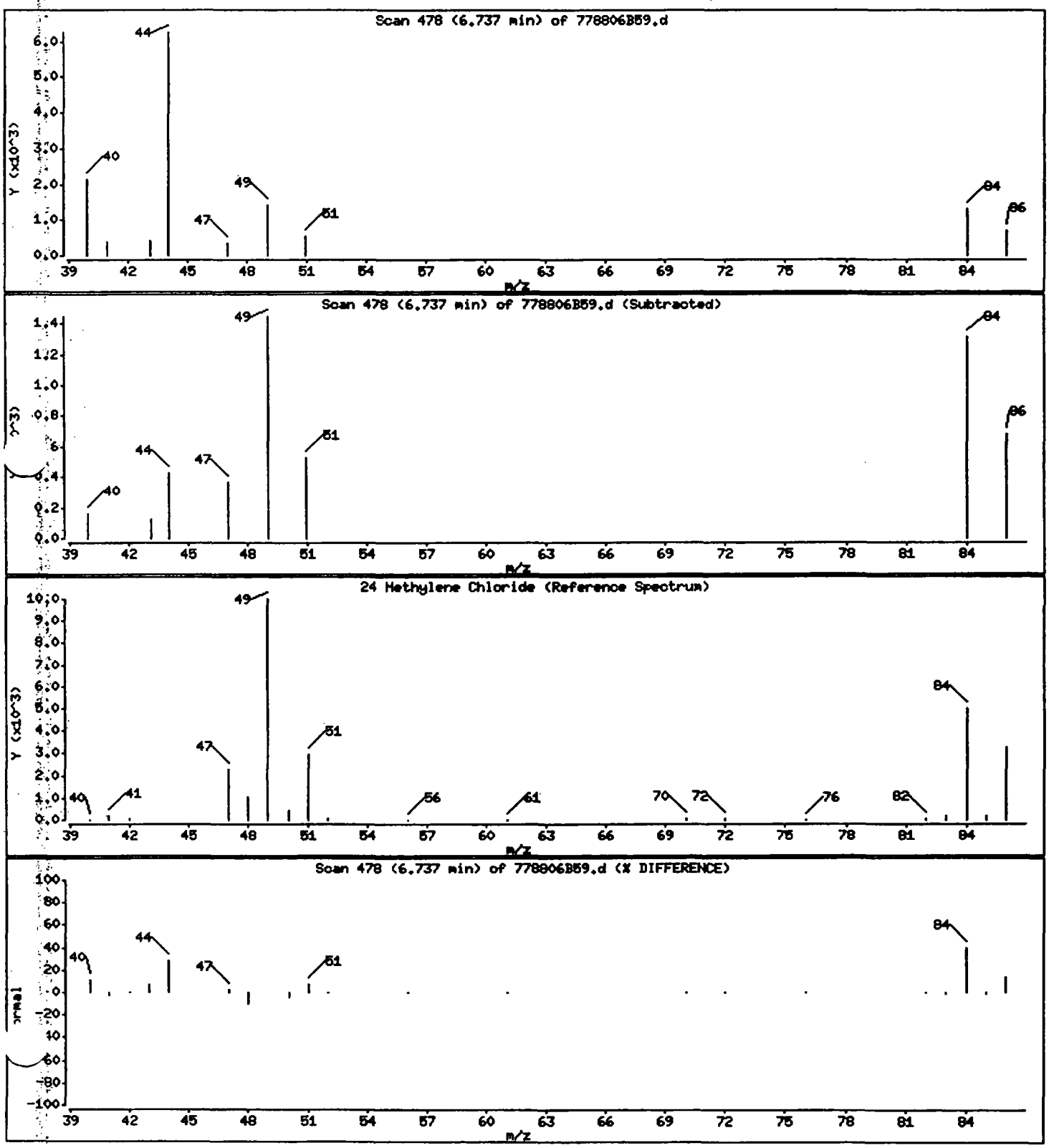
lient ID: ACSGWMW2926 Instrument: 5972hp59.i

Sample Info: 778806:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

24 Methylene Chloride Concentration: 1.2 ug/L



Data File: /chem/5972hp59.i/DF050927B59.b/778806B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778806B59.d
Lab Smp Id: 778806 Client Smp ID: ACSGWMW2926
Inj Date : 28-SEP-2005 01:07
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778806:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 2
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	9.288	799588	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.968	188060	58.7989488	12	0		0	1

Data File: /chem/5972hp59.i/DF050927B59.b/778806B59.d

Date : 28-SEP-2005 01:07

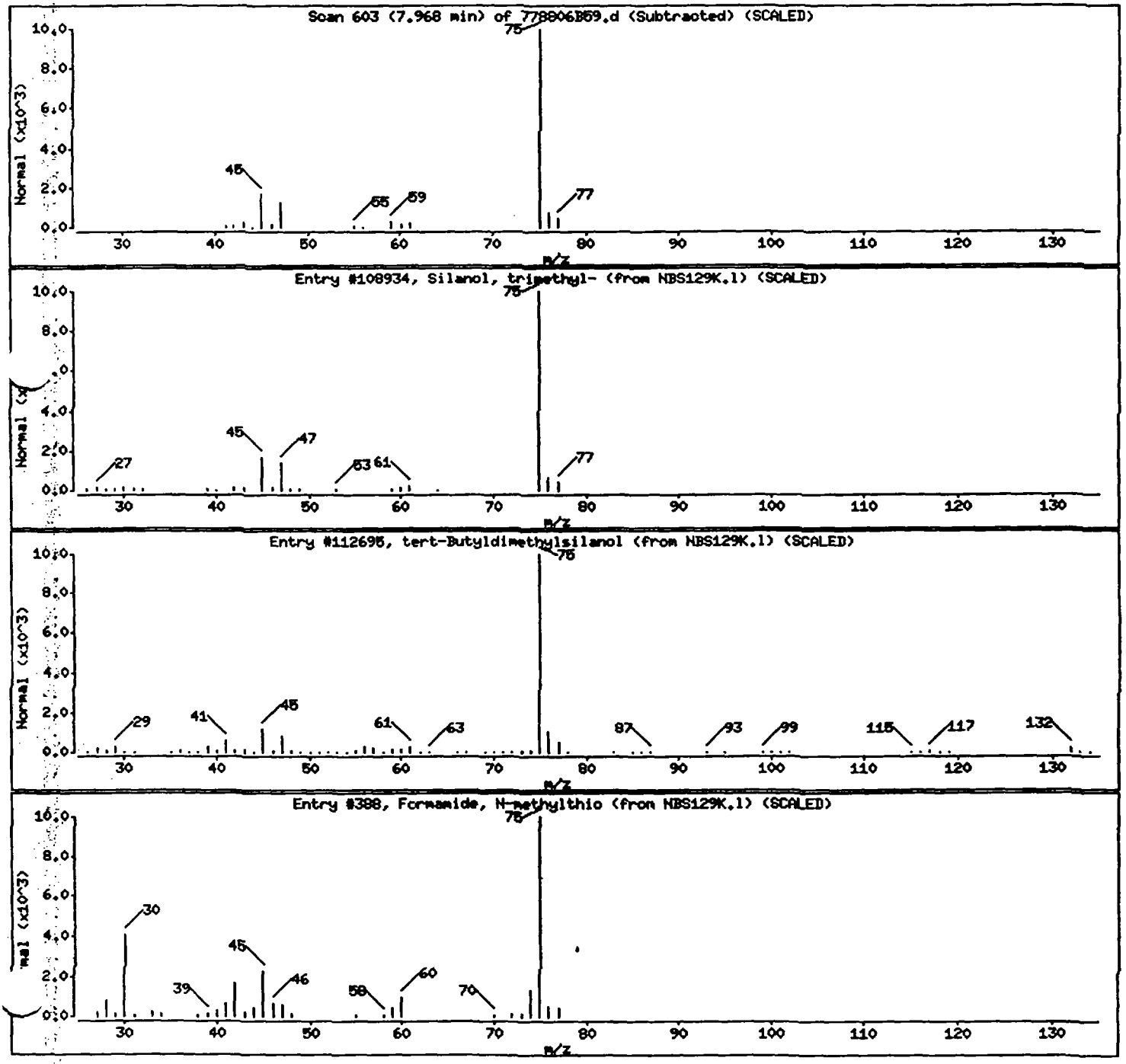
lient ID: ACSGHW2926 Instrument: 5972hp59.i

Sample Info: 778806:2481

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	74	C6H16OSi	132
Formamide, N-methylthio	0-00-0	NBS129K.l	388	9	C2H5NS	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	11	
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	170	
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.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	7.3	J
2.	352-93-2	DIETHYL SULFIDE	9.59	6.0	NJ
3.					
4.					
5.					
6.					
7.					
8.					
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10.					
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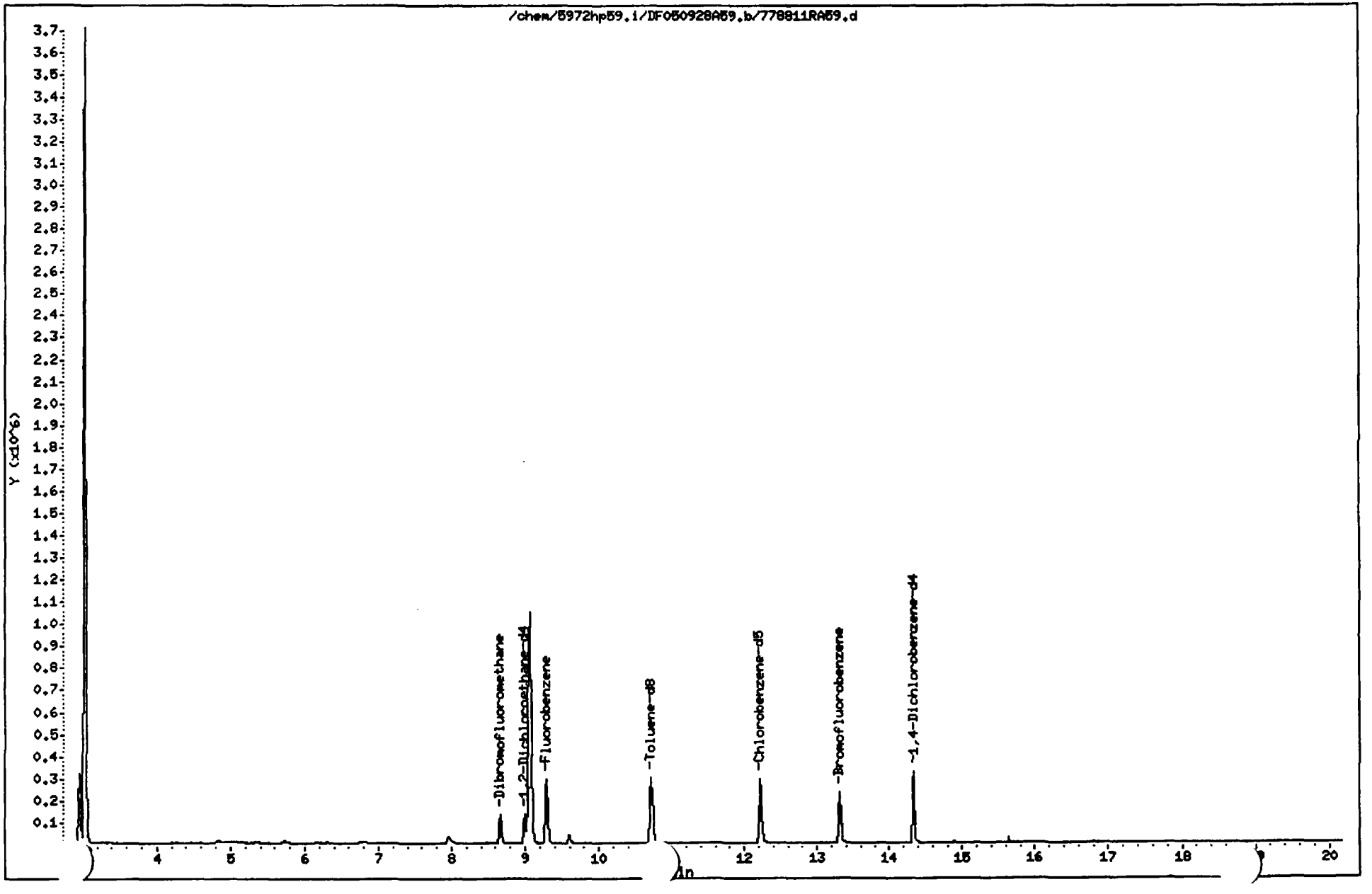
30.					

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Date : 28-SEP-2005 16:11
Client ID: ACSGHHW48-26
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Lab Smp Id: 778811 Client Smp ID: ACSGWMW48-26
Inj Date : 28-SEP-2005 16:11
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 18
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	9.290	9.284	(1.000)	357440	250.000	
* 2 Chlorobenzene-d5	117	12.225	12.219	(1.000)	215352	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.342	14.337	(1.000)	103314	250.000	
$ 4 Dibromofluoromethane	113	8.659	8.653	(0.932)	99935	240.309	48
$ 5 1,2-Dichloroethane-d4	65	8.994	8.988	(0.968)	96343	257.256	51
$ 6 Toluene-d8	98	10.728	10.712	(0.878)	304186	247.385	49
$ 7 Bromofluorobenzene	95	13.308	13.302	(0.928)	115591	241.142	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	4.828	4.812	(0.520)	14255	55.3572	11
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.					

MZ 9-28-d

Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Report Date: 29-Sep-2005 00:06

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	9.063	9.057	(0.976)	1297622	870.943	170
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.					
1 Tetrachloroethene	164	Compound Not Detected.					
4 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/DF050928A59.b/778811RA59.d

Date : 28-SEP-2005 16:11

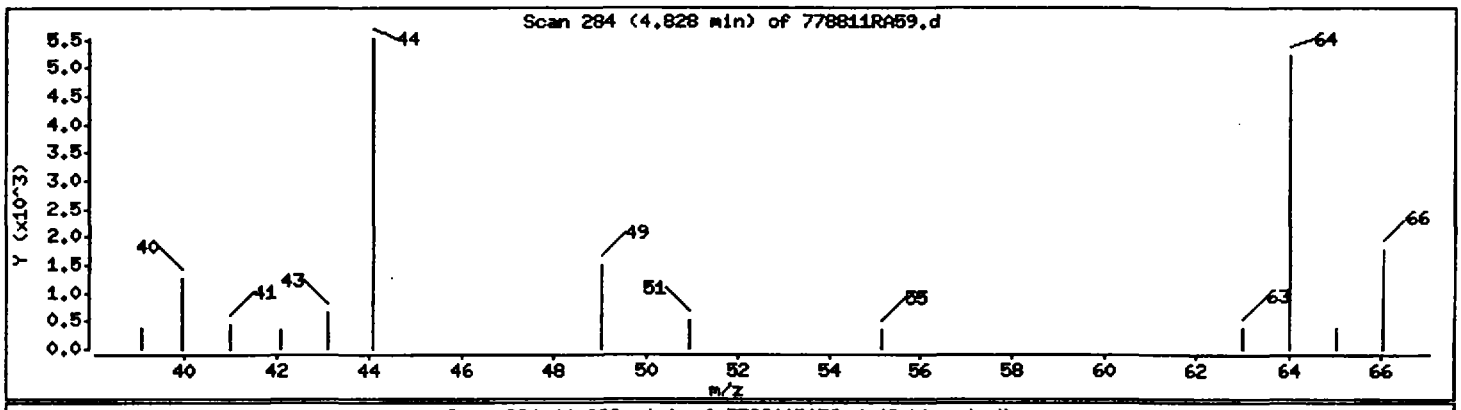
Client ID: ACSGWMW48-26 Instrument: 5972hp59.i

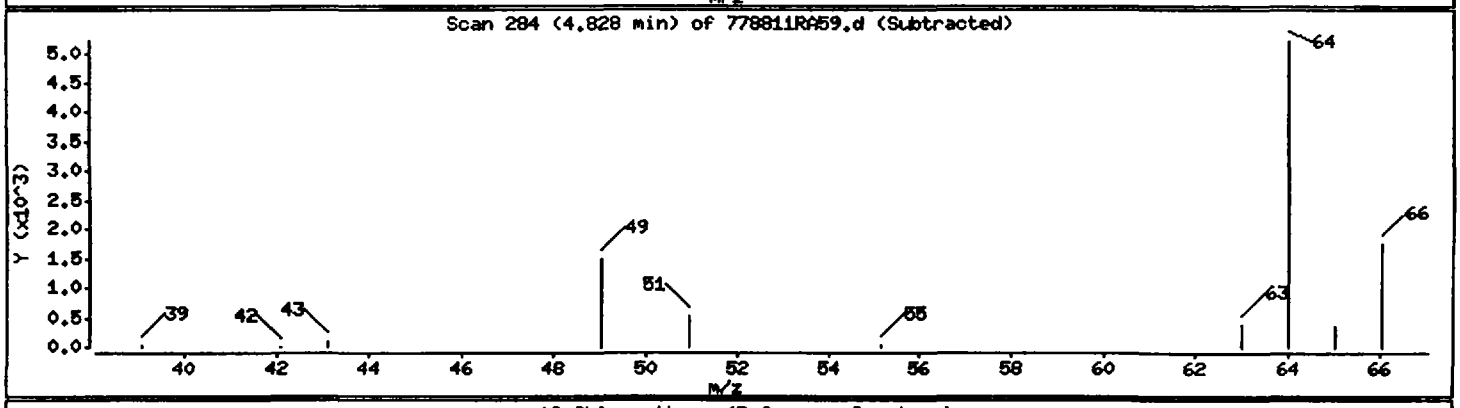
Sample Info:

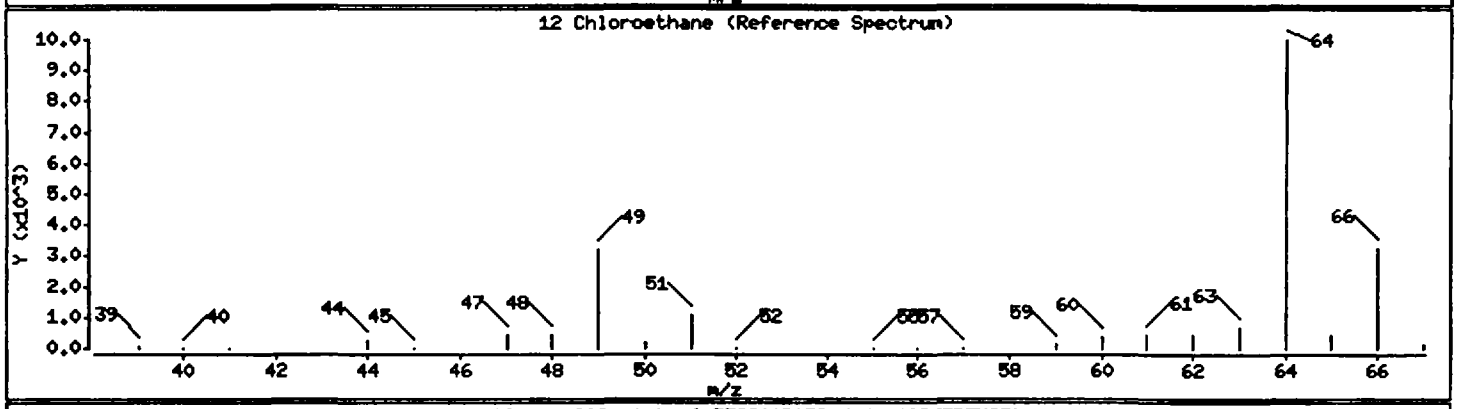
Purge Volume: 5.0 Operator: 2473

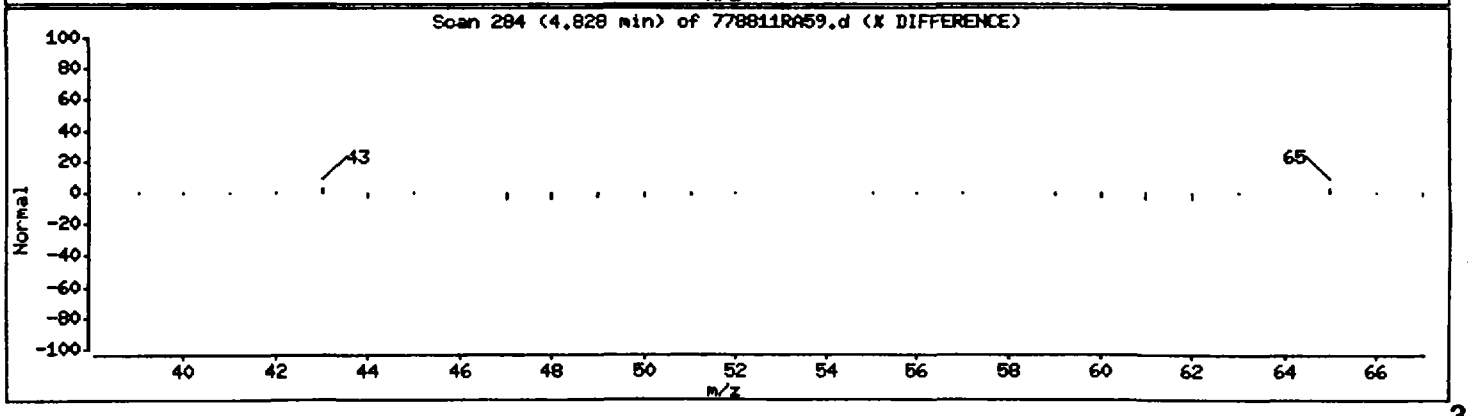
Column phase: ZB-624 Column diameter: 0.32

12 Chloroethane Concentration: 11 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d

Date : 28-SEP-2005 16:11

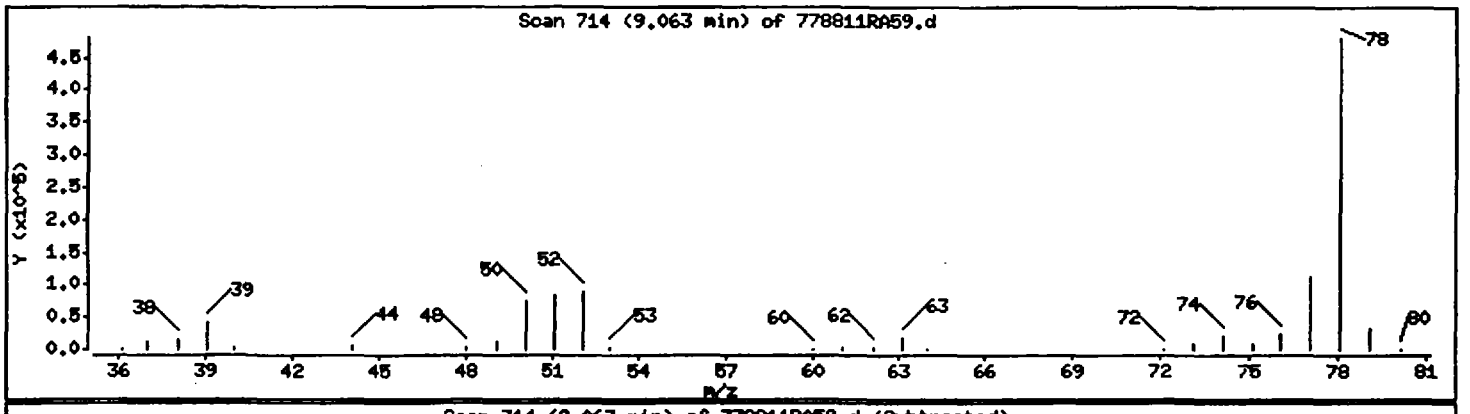
Client ID: ACSGWMW48-26 Instrument: 5972hp59.i

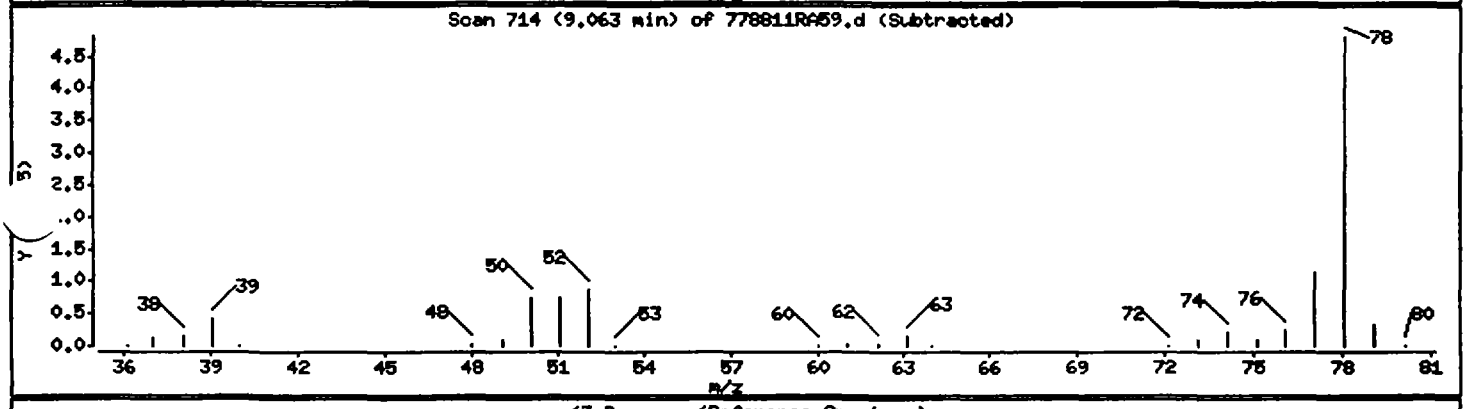
Sample Info:

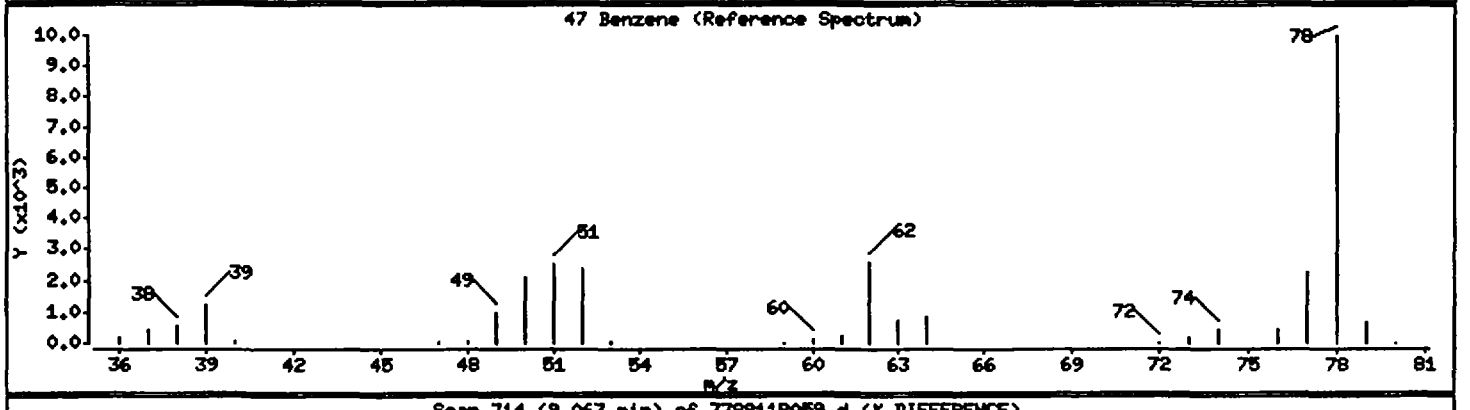
Purge Volume: 5.0 Operator: 2473

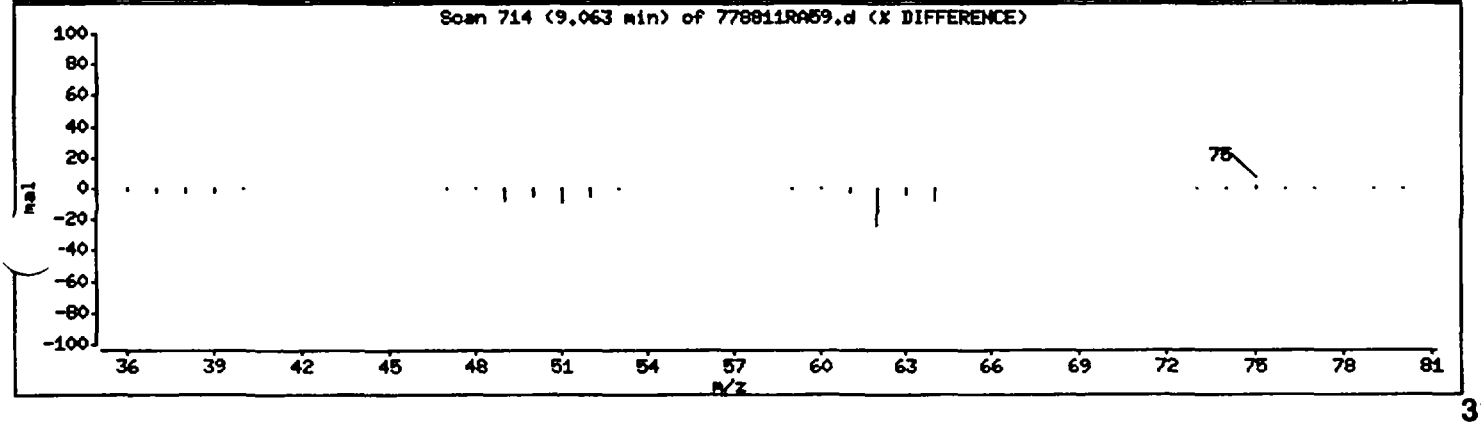
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 170 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778811RA59.d
Lab Smp Id: 778811 Client Smp ID: ACSGWMW48-26
Inj Date : 28-SEP-2005 16:11
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 18
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	9.290	761880	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.960	111610	36.6233095	7.3	0		0	1
Diethyl sulfide				CAS #: 352-93-2			
9.595	90768	29.7843404	6.0	95	NBS129K.1	108966	1

Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d

Date : 28-SEP-2005 16:11

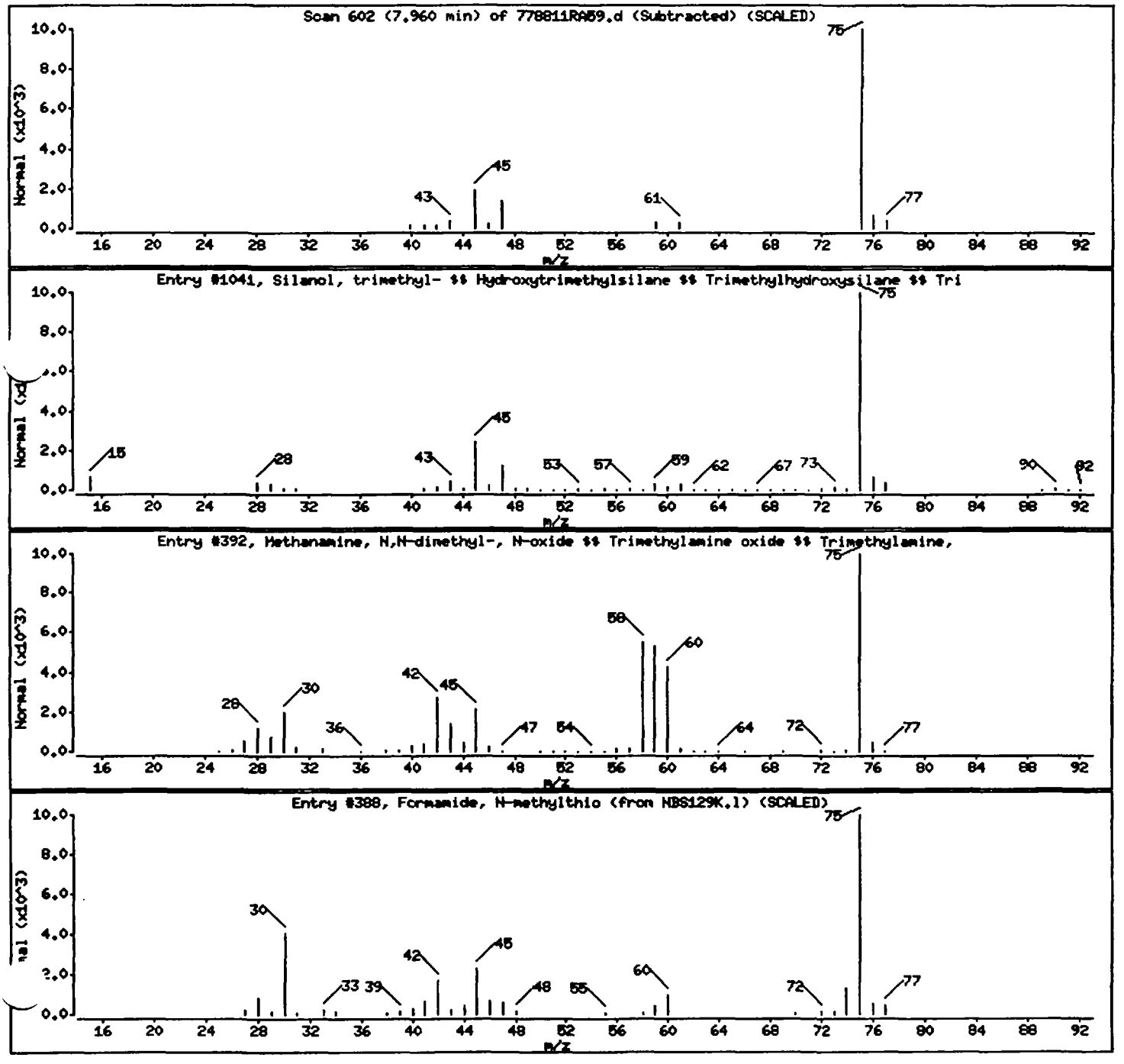
Client ID: ACSGWHW48-26 Instrument: 5972hp59.i

Sample Info:

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						
Silanol, trimethyl- $$ Hydroxytrimethyls	1066-40-6	NBS129K.l	1041	83	C3H10OSi	90
Methanamine, N,N-dimethyl-, N-oxide $$ T	1184-78-7	NBS129K.l	392	56	C3H9NO	75
Formamide, N-methylthio	0-00-0	NBS129K.l	388	4	C2H5NS	75



Data File: /chem/5972hp59.i/DF050928A59.b/778811RA59.d

Date : 28-SEP-2005 16:11

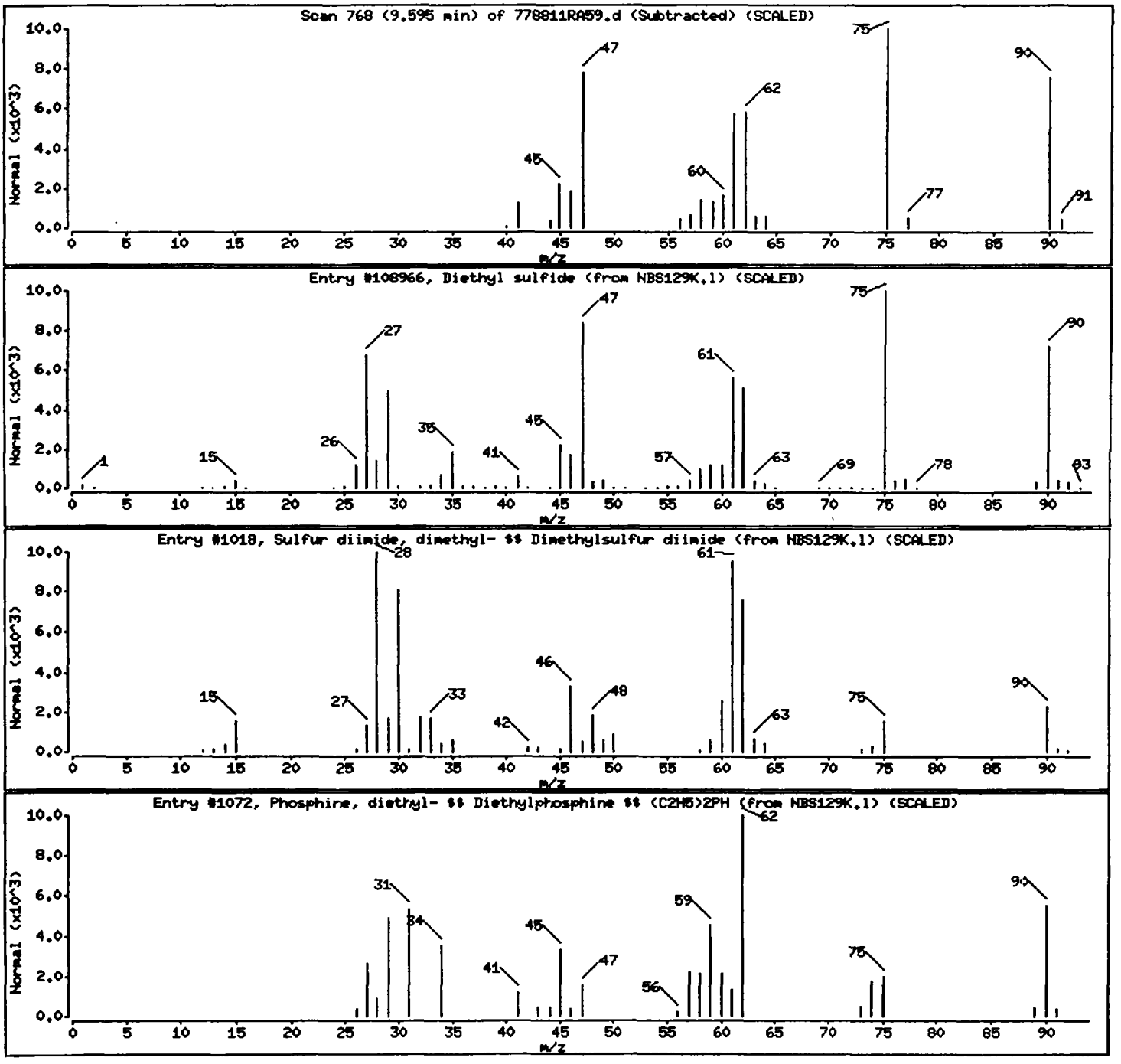
Client ID: ACSGWMW48-26 Instrument: 5972hp59.i

Sample Info:

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
Diethyl sulfide	352-93-2	NBS129K.l	108966	95	C4H10S	90
Sulfur diimide, dimethyl- $$ Dimethylsul	13849-02-0	NBS129K.l	1018	59	C2H6N2S	90
Phosphine, diethyl- $$ Diethylphosphine	627-49-6	NBS129K.l	1072	42	C4H11P	90



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	9.3	
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	170	
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.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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.	352-93-2	DIETHYL SULFIDE	9.60	6.2	NJ
2.	873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETH	14.89	9.3	NJ
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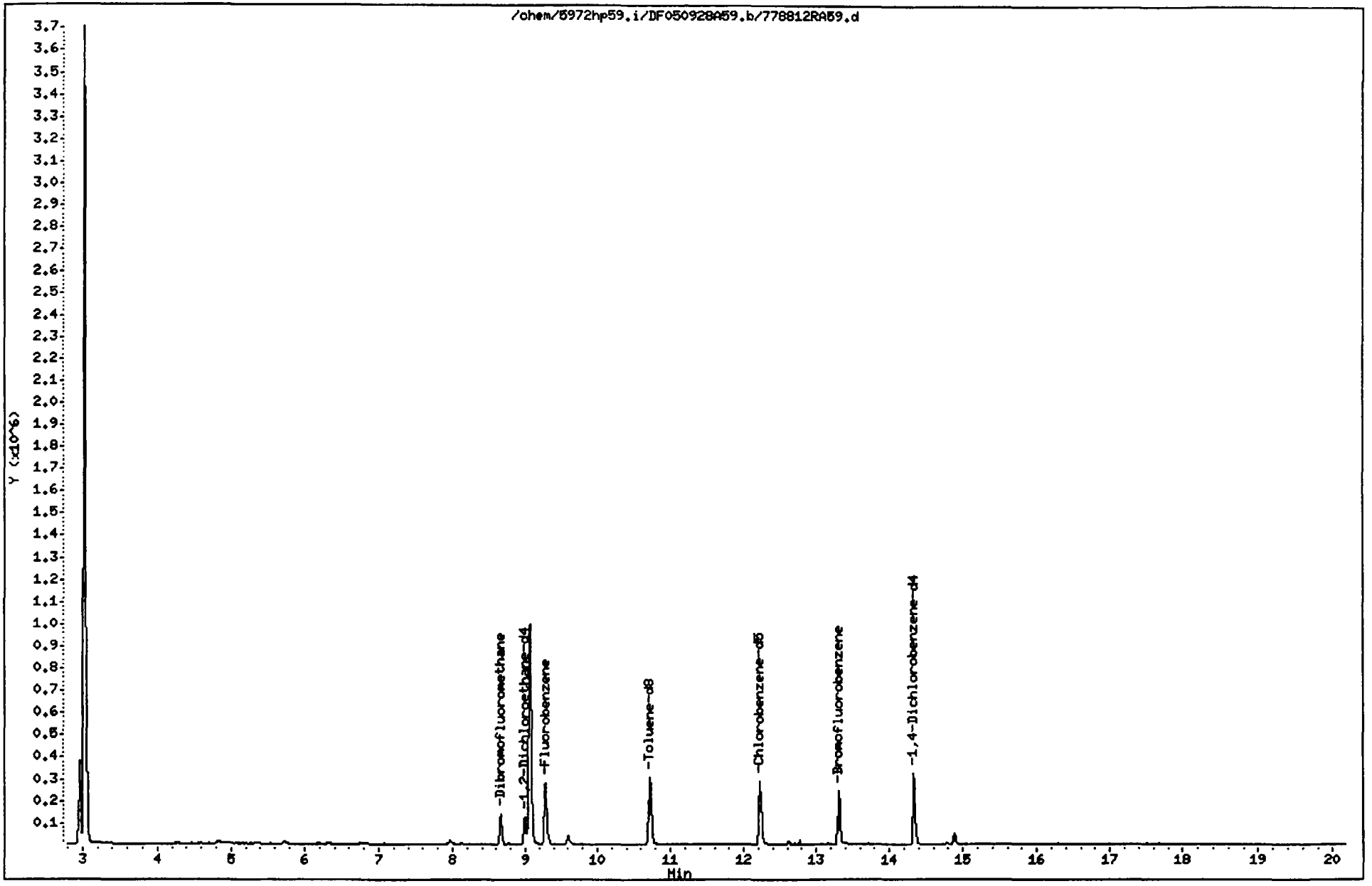
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Date : 28-SEP-2005 17:31
Client ID: ACSGWHW4926
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Lab Smp Id: 778812 Client Smp ID: ACSGWMW4926
Inj Date : 28-SEP-2005 17:31
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 20
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	9.294	9.284	(1.000)	349424	250.000	
* 2 Chlorobenzene-d5	117	12.229	12.219	(1.000)	213351	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	102939	250.000	
$ 4 Dibromofluoromethane	113	8.664	8.653	(0.932)	98848	243.148	49
$ 5 1,2-Dichloroethane-d4	65	8.998	8.988	(0.968)	98894	270.126	54
$ 6 Toluene-d8	98	10.722	10.712	(0.877)	300019	246.285	49
$ 7 Bromofluorobenzene	95	13.313	13.302	(0.929)	115526	241.885	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	4.832	4.812	(0.520)	10956	46.2735	9.3
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.					

MZ 9-29-05

Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Report Date: 29-Sep-2005 00:06

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	9.067	9.057	(0.976)	1257377	863.291	170
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/DF050928A59.b/778812RA59.d

Date : 28-SEP-2005 17:31

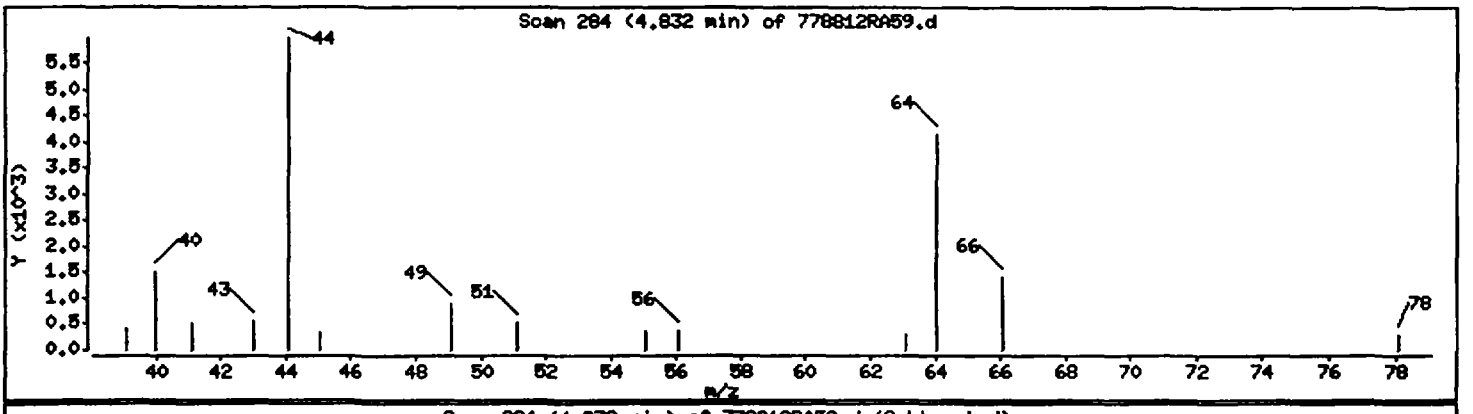
Client ID: ACSGWMW4926 | Instrument: 5972hp59.i

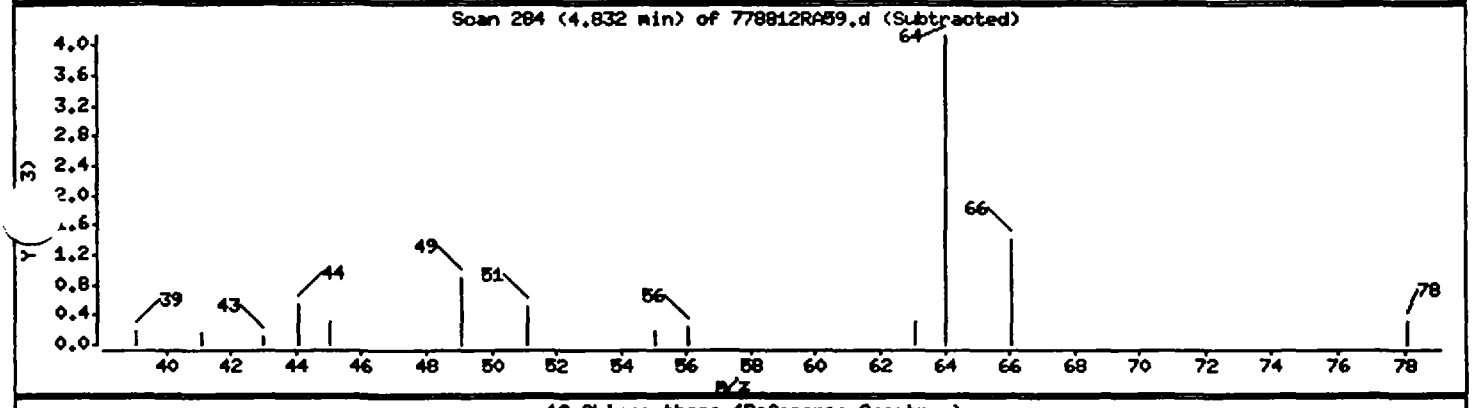
Sample Info:

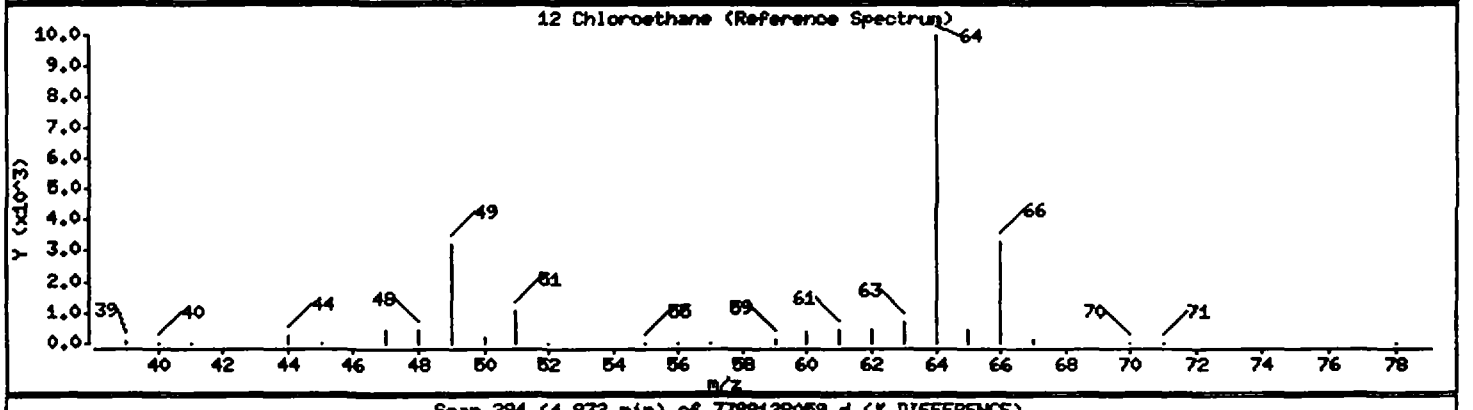
Purge Volume: 5.0 | Operator: 2473

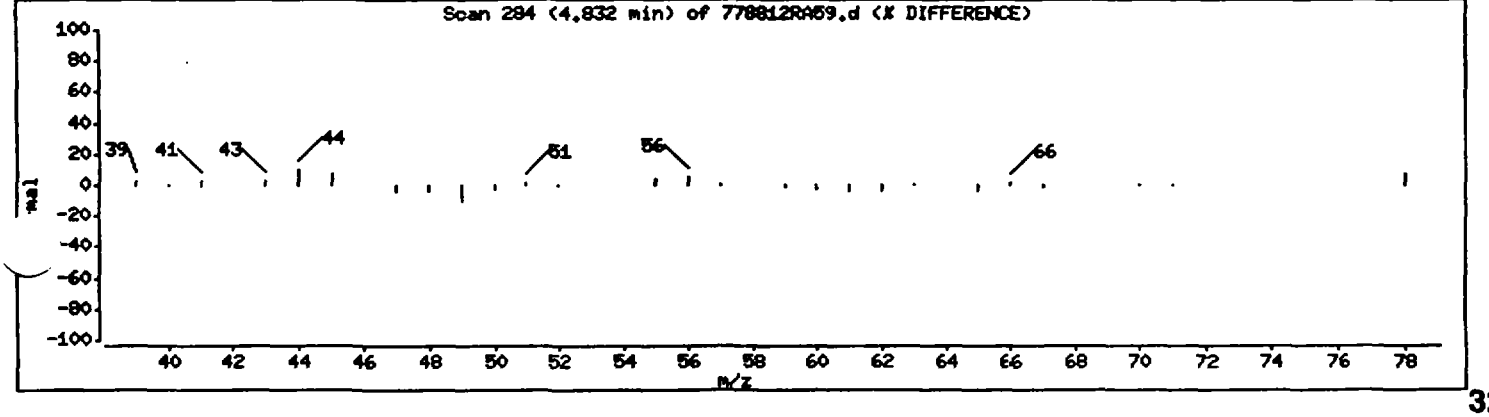
Column phase: ZB-624 | Column diameter: 0.32

12 Chloroethane | Concentration: 9.3 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d

Date : 28-SEP-2005 17:31

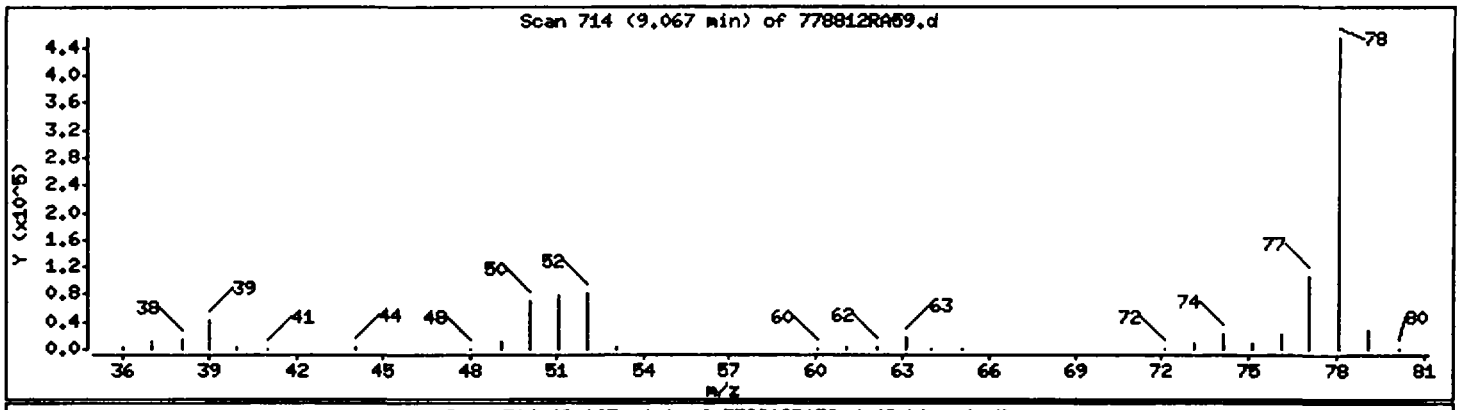
Client ID: ACSGWMW4926 | Instrument: 5972hp59.i

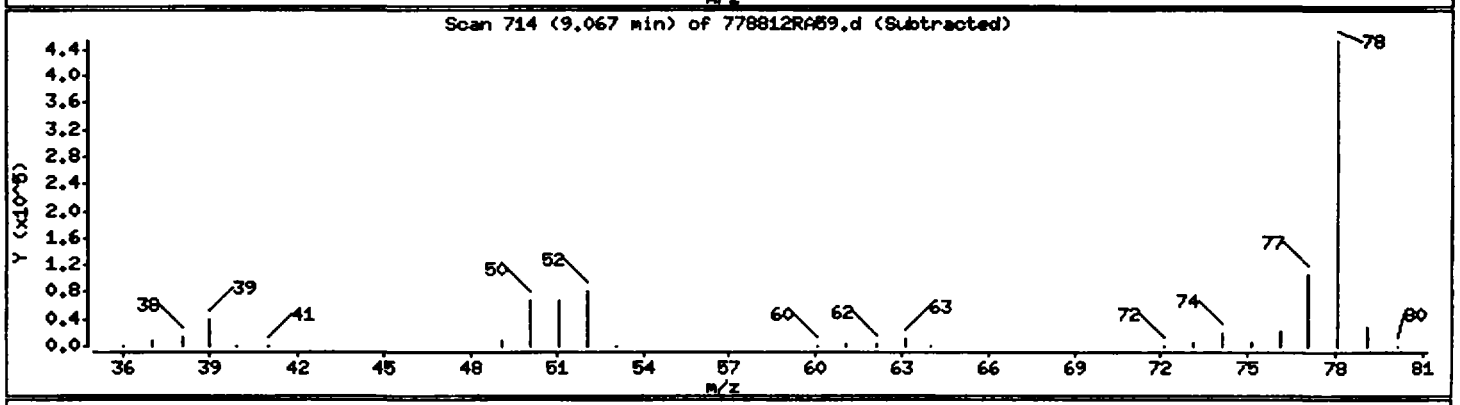
Sample Info:

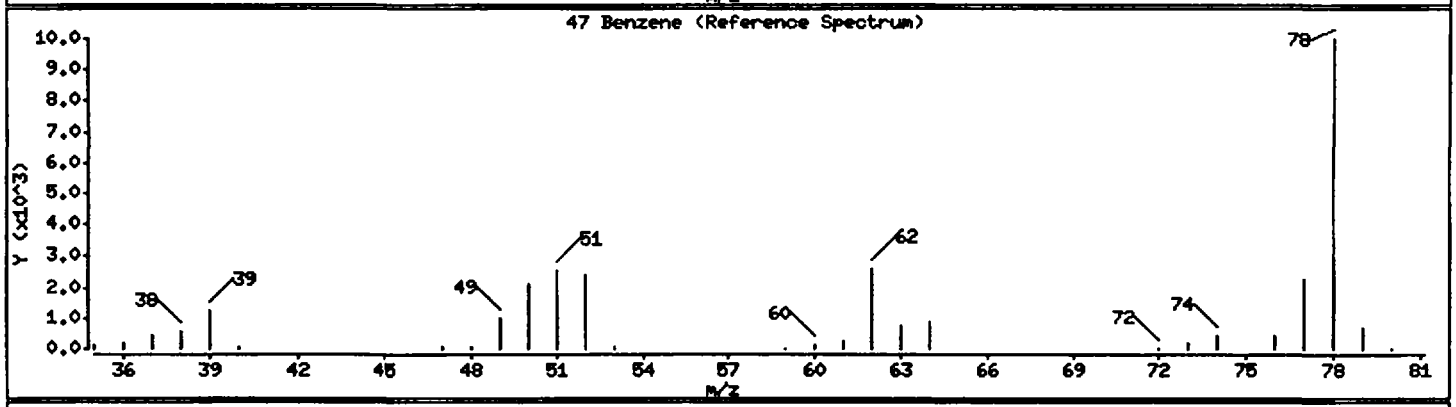
Purge Volume: 5.0 | Operator: 2473

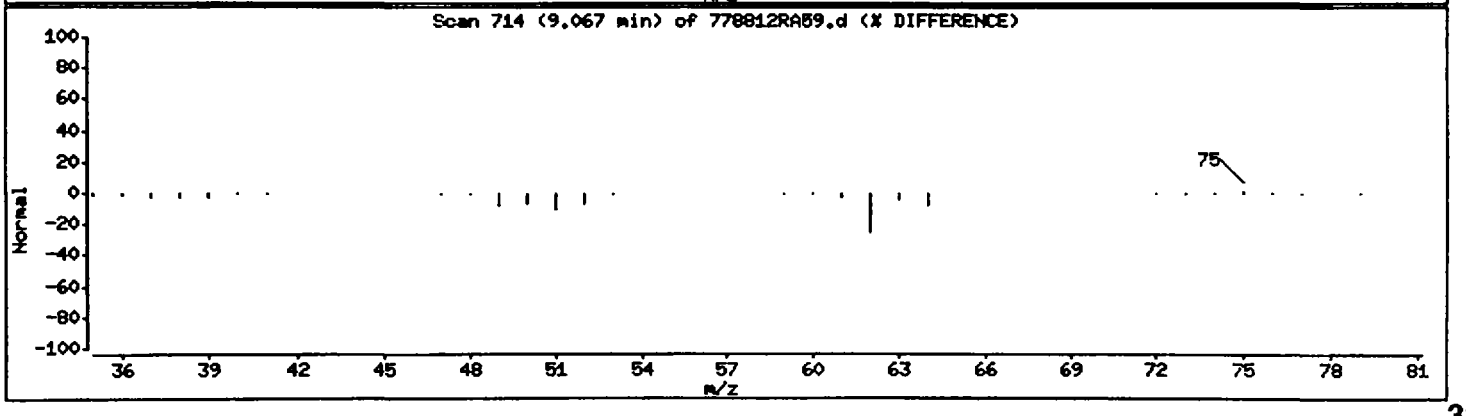
Column phase: ZB-624 | Column diameter: 0.32

47 Benzene | Concentration: 170 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Report Date: 29-Sep-2005 00:06

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778812RA59.d
Lab Smp Id: 778812 Client Smp ID: ACSGWMW4926
Inj Date : 28-SEP-2005 17:31
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 20
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	9.294	746661	250.000
* 3 1,4-Dichlorobenzene-d4	14.337	647491	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Diethyl sulfide				CAS #: 352-93-2			
9.599	92056	30.8224433	6.2	95	NBS129K.l	108966	1
Cyclohexanone, 3,3,5-trimethyl- $$ Dihyd				CAS #: 873-94-9			
14.889	121038	46.7333583	9.3	91	NBS129K.l	10011	3

Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d

Date : 28-SEP-2005 17:31

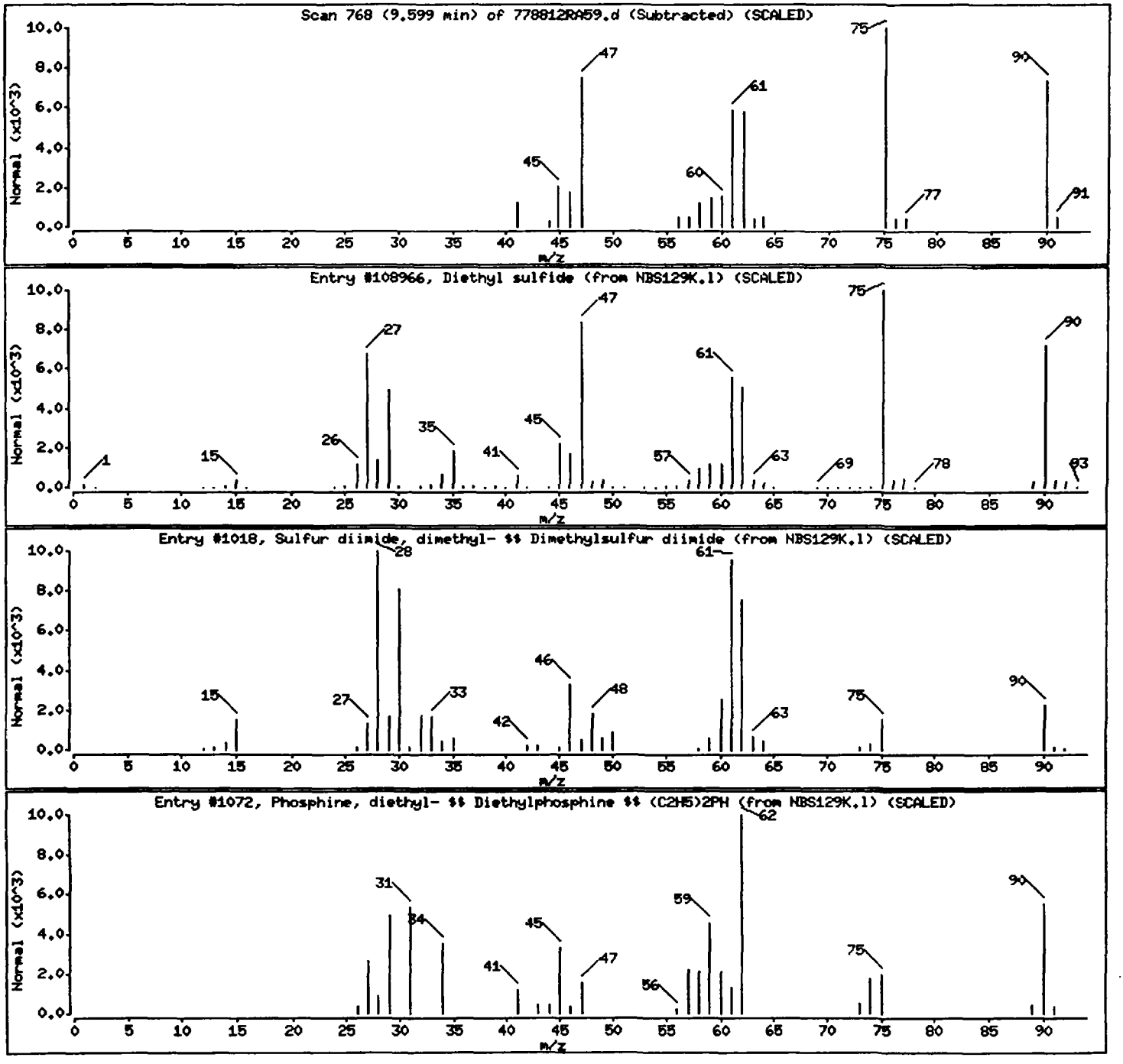
Client ID: ACSGWMW4926 Instrument: 5972hp59.i

Sample Info:

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
Diethyl sulfide	352-93-2	NBS129K.l	108966	95	C4H10S	90
Sulfur diimide, dimethyl- $$ Dimethylsul	13849-02-0	NBS129K.l	1018	59	C2H6N2S	90
Phosphine, diethyl- $$ Diethylphosphine	627-49-6	NBS129K.l	1072	42	C4H11P	90



Data File: /chem/5972hp59.i/DF050928A59.b/778812RA59.d

Date : 28-SEP-2005 17:31

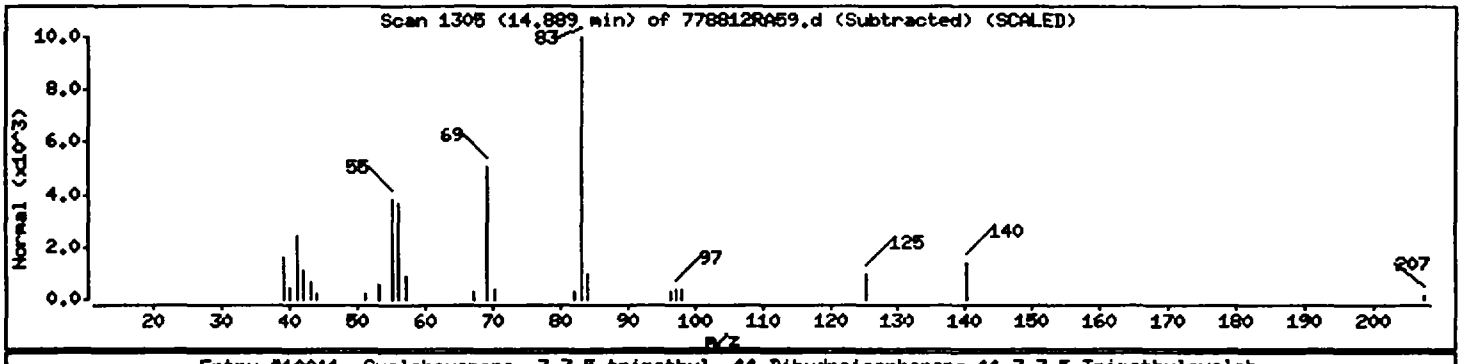
Client ID: ACSGHM4926 Instrument: 5972hp59.i

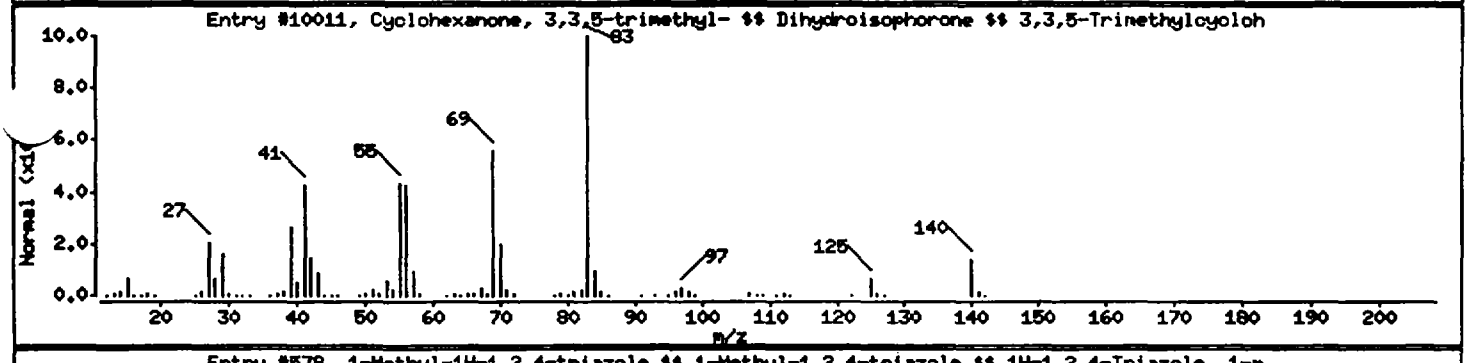
Sample Info:

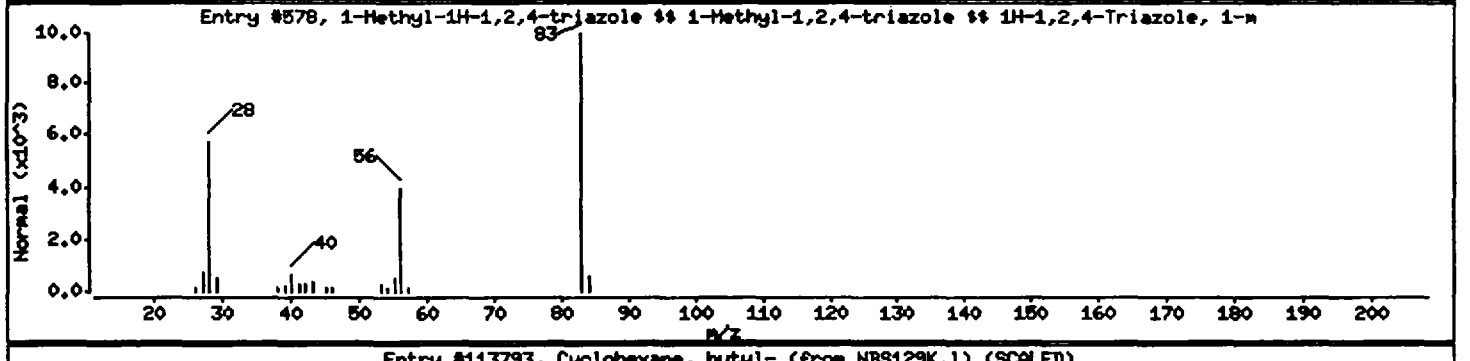
Purge Volume: 5.0 Operator: 2473

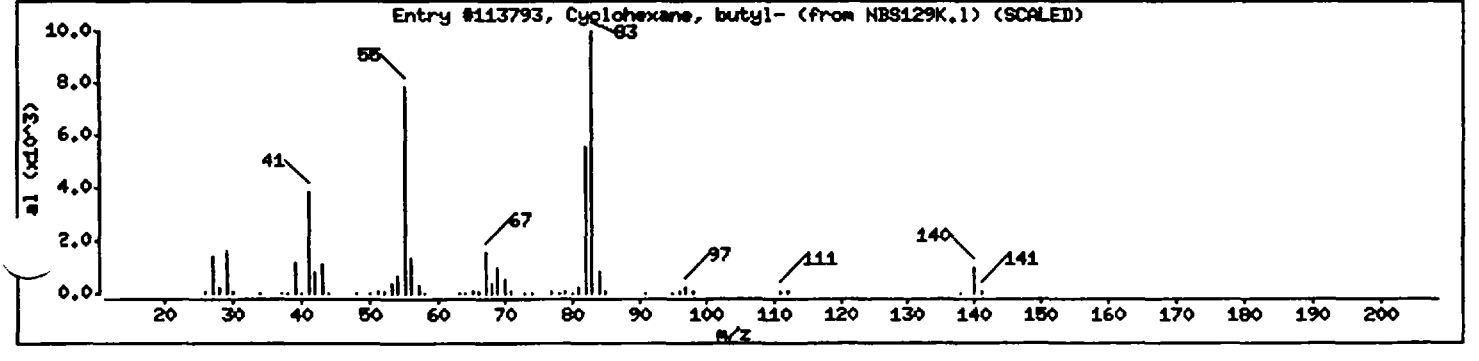
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexanone, 3,3,5-trimethyl- $$ Dihyd	873-94-9	NBS129K.l	10011	91	C9H16O	140
1-Methyl-1H-1,2,4-triazole $$ 1-Methyl-1	6086-21-1	NBS129K.l	578	42	C3H5N3	83
Cyclohexane, butyl-	1678-93-9	NBS129K.l	113793	42	C10H20	140









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWMW54R26

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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
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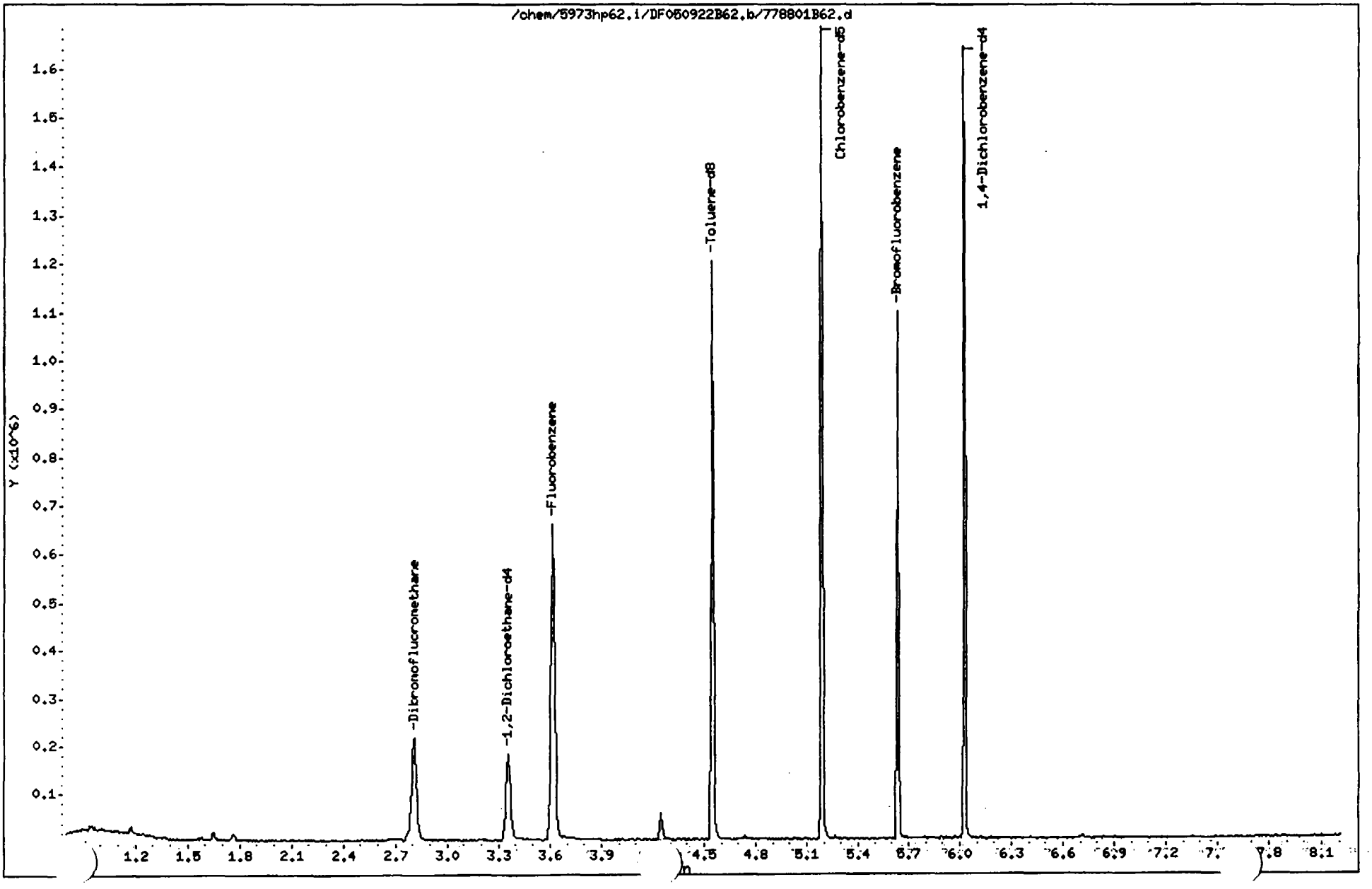
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/778801B62.d
Date : 23-SEP-2005 02:51
Client ID: ACSGWMW54R26
Sample Info: 778801:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/778801B62.d
Report Date: 26-Sep-2005 01:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778801B62.d
Lab Smp Id: 778801 Client Smp ID: ACSGWMW54R26
Inj Date : 23-SEP-2005 02:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778801:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 42
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	3.621	3.620	(1.000)	536192	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	433707	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.027	6.037	(1.000)	218068	250.000	
$ 4 Dibromofluoromethane	113	2.810	2.809	(0.776)	135517	195.735	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	132354	193.808	39
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	422421	233.677	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.935)	171630	237.903	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/5973hp62.i/DF050922B62.b/778801B62.d
Report Date: 26-Sep-2005 01:25

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.					
1,1,2-Trichloroethane	97	Compound Not Detected.					
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/5973hp62.i/DF050922B62.b/778801B62.d
Report Date: 26-Sep-2005 01:25

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778801B62.d
Lab Smp Id: 778801 Client Smp ID: ACSGWMW54R26
Inj Date : 23-SEP-2005 02:51
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778801:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 42
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.

ACSGWMW5526

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	JB
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.

ACSGWMW5526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5526

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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.				
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19.				
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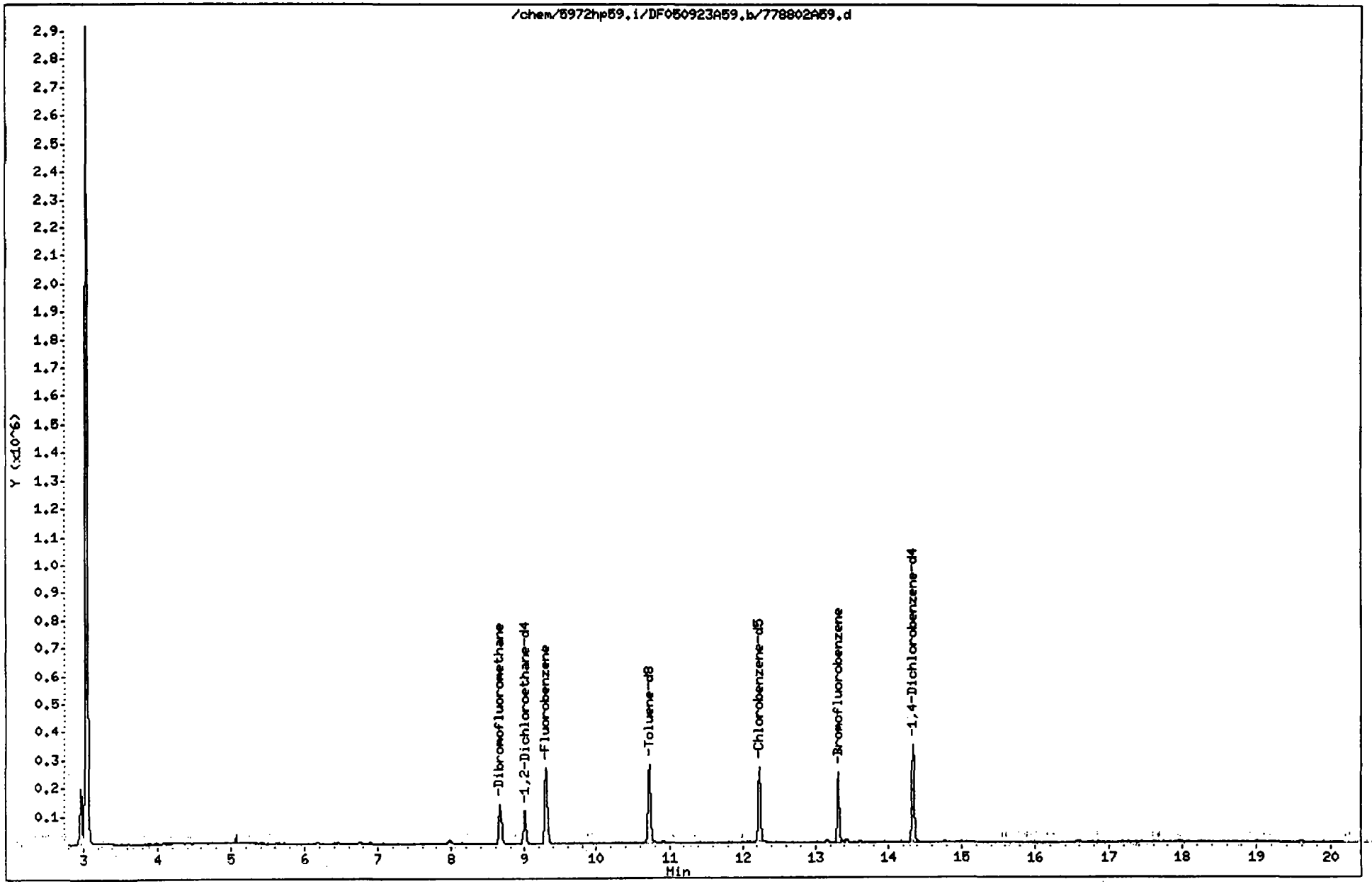
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050923A59.b/778802A59.d
Date : 23-SEP-2005 18:17
Client ID: ACSGWMW5526
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050923A59.b/778802A59.d
Report Date: 26-Sep-2005 01:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/778802A59.d
Lab Smp Id: 778802 Client Smp ID: ACSGWMW5526
Inj Date : 23-SEP-2005 18:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 20
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	9.289	9.296	(1.000)	321587	250.000	
* 2 Chlorobenzene-d5	117	12.221	12.218	(1.000)	209260	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.333	(1.000)	111163	250.000	
$ 4 Dibromofluoromethane	113	8.669	8.657	(0.933)	100715	252.952	51
$ 5 1,2-Dichloroethane-d4	65	9.004	8.992	(0.969)	103924	261.503	52
$ 6 Toluene-d8	98	10.726	10.713	(0.878)	276731	241.934	48
$ 7 Bromofluorobenzene	95	13.313	13.300	(0.929)	117200	240.877	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/DF050923A59.b/778802A59.d
Report Date: 26-Sep-2005 01:28

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	6.741	6.739	(0.726)	2417	6.13271	1.2(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	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/DF050923A59.b/778802A59.d

Date : 23-SEP-2005 18:17

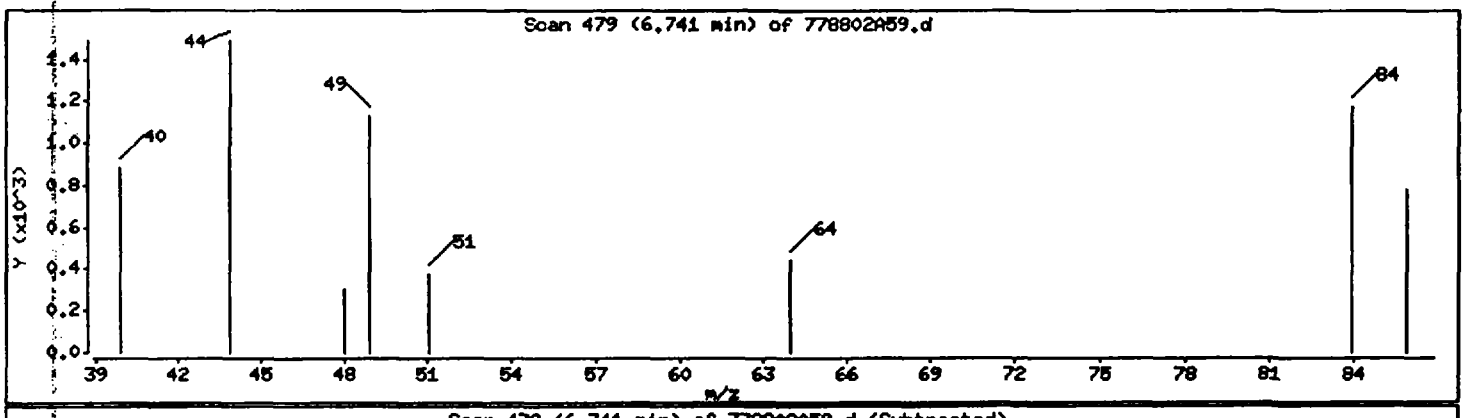
lient ID: ACSGWMW5526 Instrument: 5972hp59.i

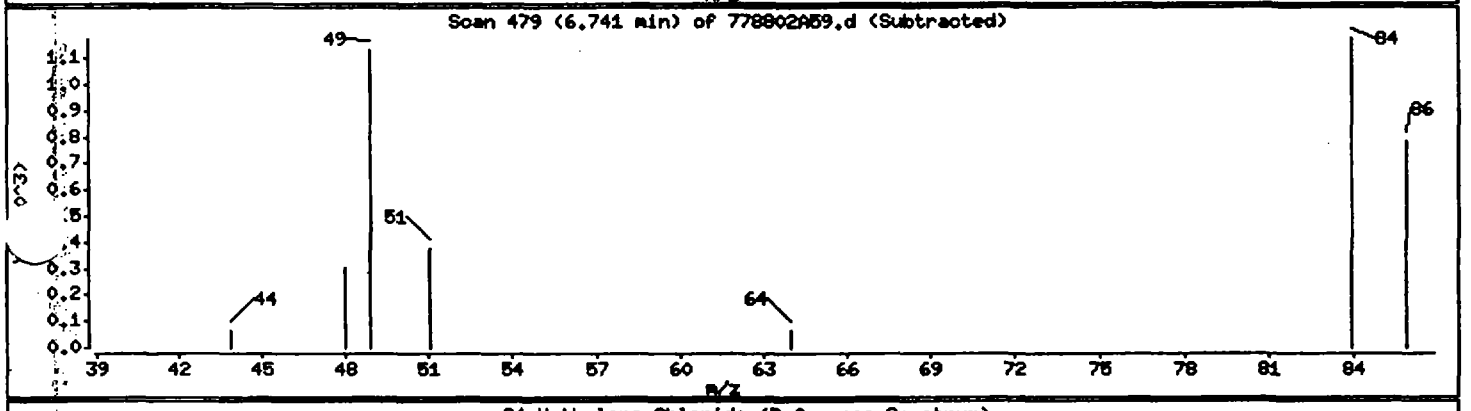
Sample Info:

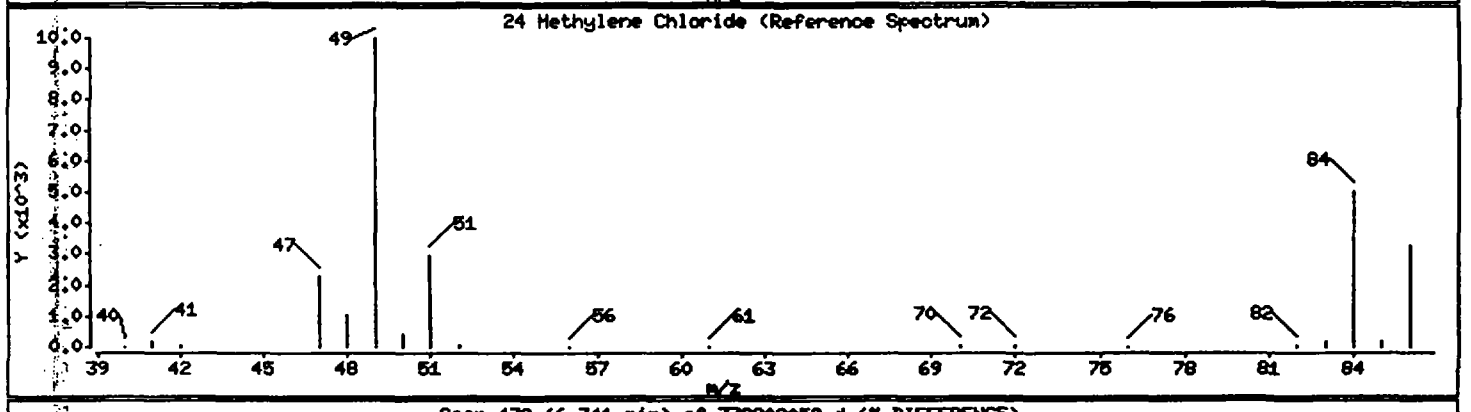
Purge Volume: 5.0 Operator: 2473

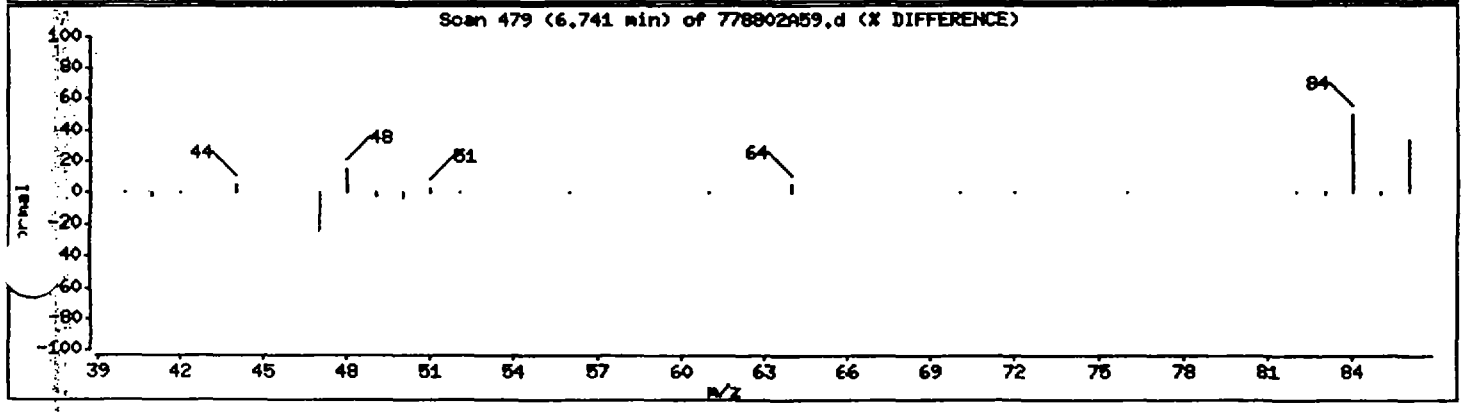
Column phase: ZB-624 Column diameter: 0.32

24 Methylene Chloride Concentration: 1.2 ug/L









Data File: /chem/5972hp59.i/DF050923A59.b/778802A59.d
Report Date: 26-Sep-2005 01:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/778802A59.d
Lab Smp Id: 778802 Client Smp ID: ACSGWMW5526
Inj Date : 23-SEP-2005 18:17
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 20
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.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
74-87-3	Chloromethane	42	U
75-01-4	Vinyl Chloride	42	U
74-83-9	Bromomethane	42	U
75-00-3	Chloroethane	42	U
75-69-4	Trichlorofluoromethane	42	U
75-35-4	1,1-Dichloroethene	42	U
75-15-0	Carbon disulfide	42	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	42	U
67-64-1	Acetone	100	U
75-09-2	Methylene Chloride	42	U
156-60-5	trans-1,2-Dichloroethene	42	U
1634-04-4	Methyl-tert-butyl ether	42	U
75-34-3	1,1-Dichloroethane	42	U
156-59-2	cis-1,2-Dichloroethene	42	U
78-93-3	2-butanone	100	U
67-66-3	Chloroform	42	U
71-55-6	1,1,1-Trichloroethane	42	U
56-23-5	Carbon Tetrachloride	42	U
71-43-2	Benzene	3300	E
107-06-2	1,2-Dichloroethane	42	U
79-01-6	Trichloroethene	42	U
78-87-5	1,2-Dichloropropane	42	U
75-27-4	Bromodichloromethane	42	U
10061-01-5	cis-1,3-Dichloropropene	42	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	42	U
10061-02-6	trans-1,3-Dichloropropene	42	U
79-00-5	1,1,2-Trichloroethane	42	U
127-18-4	Tetrachloroethene	42	U
591-78-6	2-hexanone	100	U
124-48-1	Dibromochloromethane	42	U
106-93-4	1,2-Dibromoethane	42	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
100-41-4	Ethylbenzene	42	U
100-42-5	Styrene	42	U
75-25-2	Bromoform	42	U
98-82-8	Isopropyl Benzene	42	U
79-34-5	1,1,2,2-Tetrachloroethane	42	U
541-73-1	1,3-Dichlorobenzene	42	U
106-46-7	1,4-Dichlorobenzene	42	U
95-50-1	1,2-Dichlorobenzene	42	U
96-12-8	1,2-Dibromo-3-Chloropropane	42	U
120-82-1	1,2,4-Trichlorobenzene	42	U
1330-20-7	Xylene (total)	42	U
79-20-9	Methyl acetate	42	U
110-82-7	Cyclohexane	42	U
108-87-2	Methylcyclohexane	42	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	7.96	63	J
2.				
3.				
4.				
5.				
6.				
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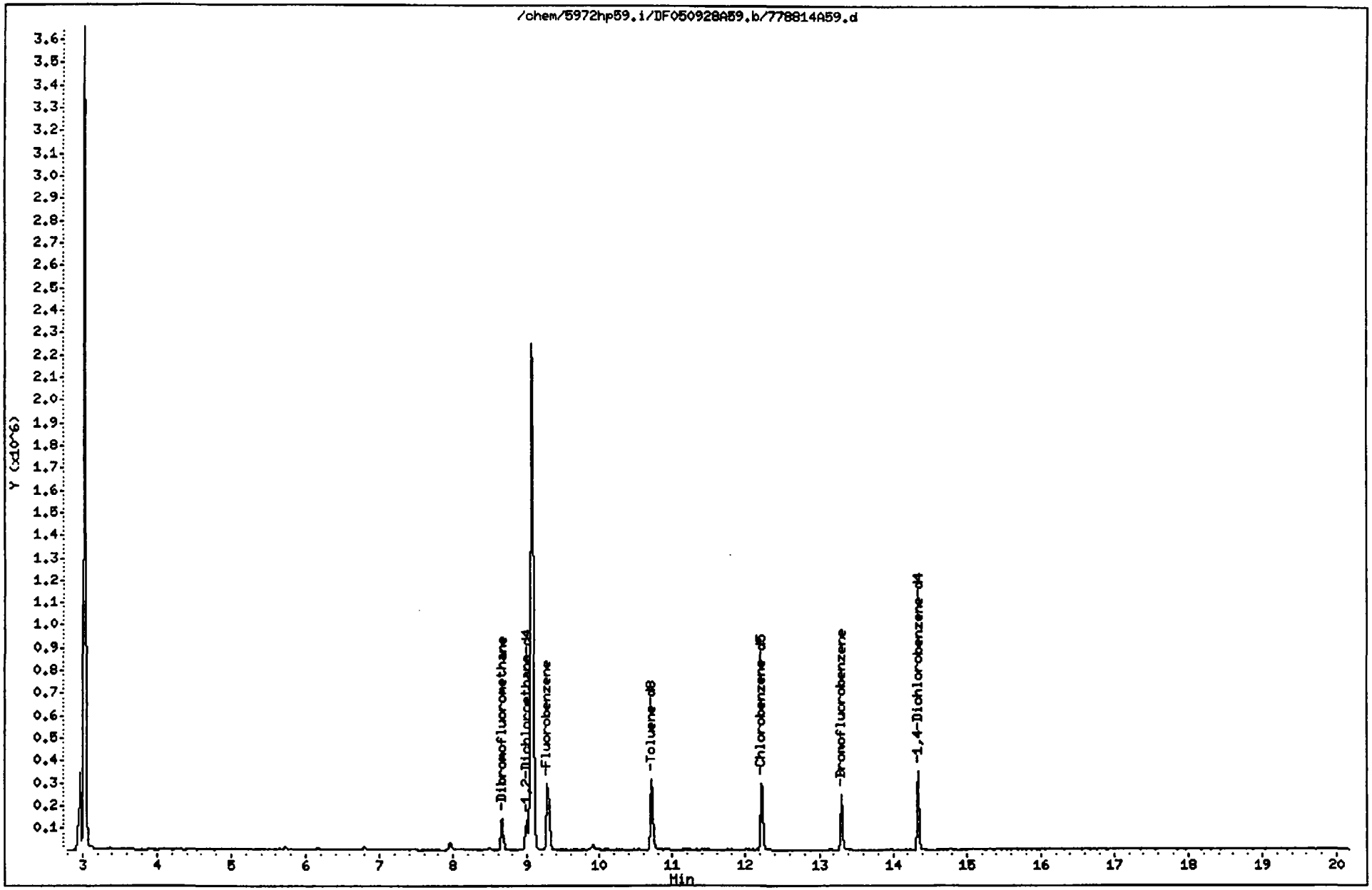
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778814A59.d
Date : 28-SEP-2005 13:46
Client ID: ACSGWMW5626
Sample Info: 778814:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778814A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778814A59.d
Lab Smp Id: 778814 Client Smp ID: ACSGWMW5626
Inj Date : 28-SEP-2005 13:46
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 778814:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 13
Dil Factor: 8.33000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	8.33000	Dilution Factor
Vo	5.00000	volume of water
DF	8.33000	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	9.282	9.284	(1.000)	367636	250.000	
* 2 Chlorobenzene-d5	117	12.217	12.219	(1.000)	224823	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.334	14.337	(1.000)	110382	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.653	(0.933)	103761	242.589	400
$ 5 1,2-Dichloroethane-d4	65	8.986	8.988	(0.968)	99457	258.206	430
$ 6 Toluene-d8	98	10.720	10.712	(0.877)	315997	246.164	410
$ 7 Bromofluorobenzene	95	13.310	13.302	(0.929)	120793	235.859	390
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.					

HZ
9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/778814A59.d
Report Date: 29-Sep-2005 00:07

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	9.055	9.057	(0.976)	3007027	1962.29	3300(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/DF050928A59.b/778814A59.d

Date : 28-SEP-2005 13:46

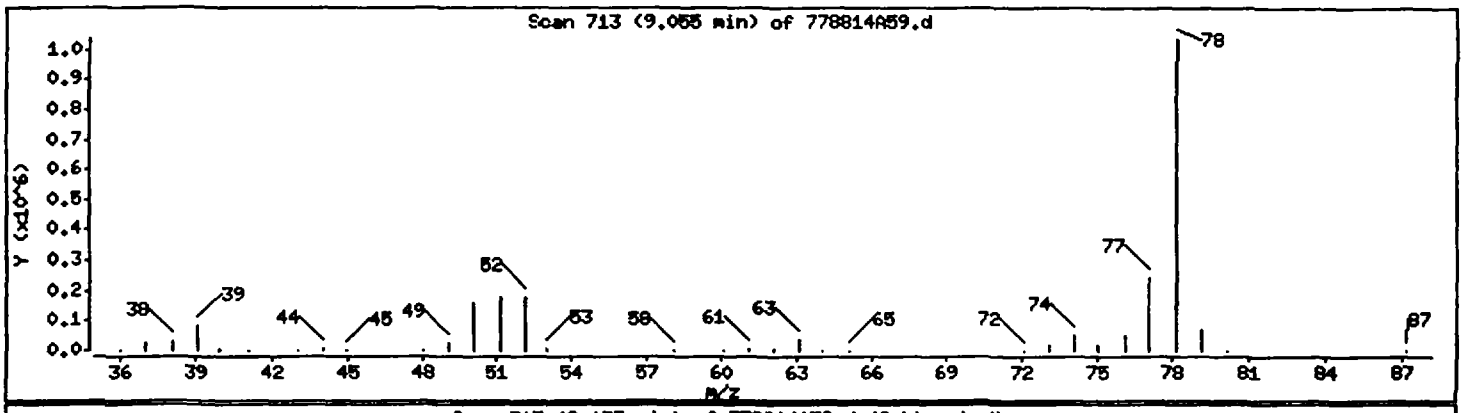
Client ID: ACSCWM45626 Instrument: 5972hp59.i

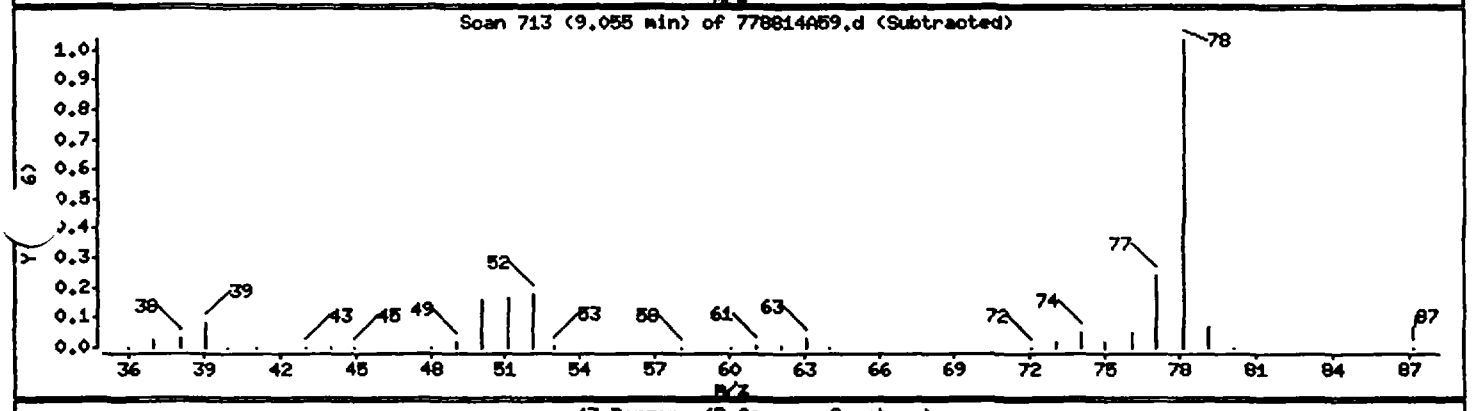
Sample Info: 778814:2473

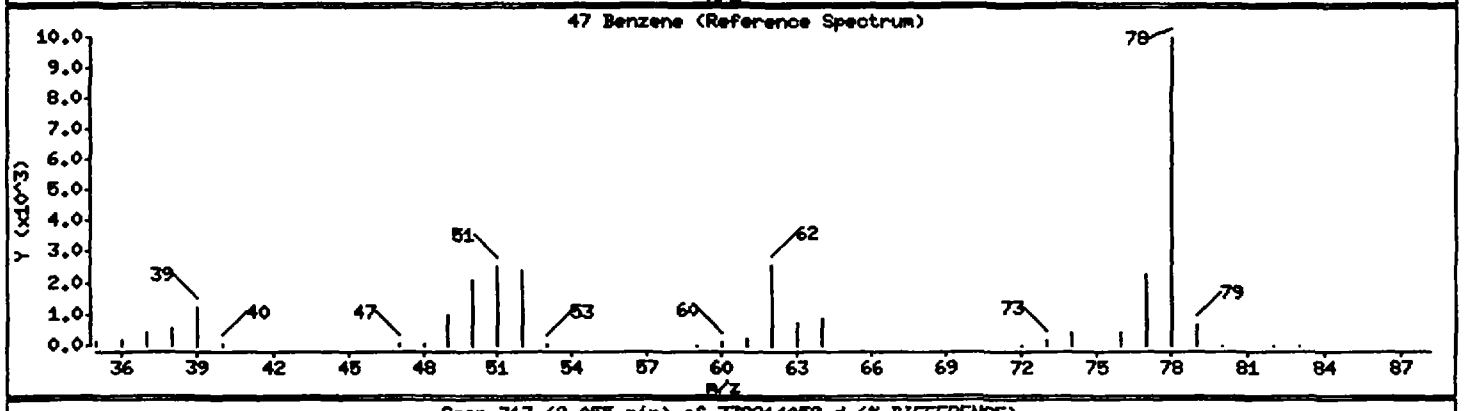
Purge Volume: 5.0 Operator: 2473

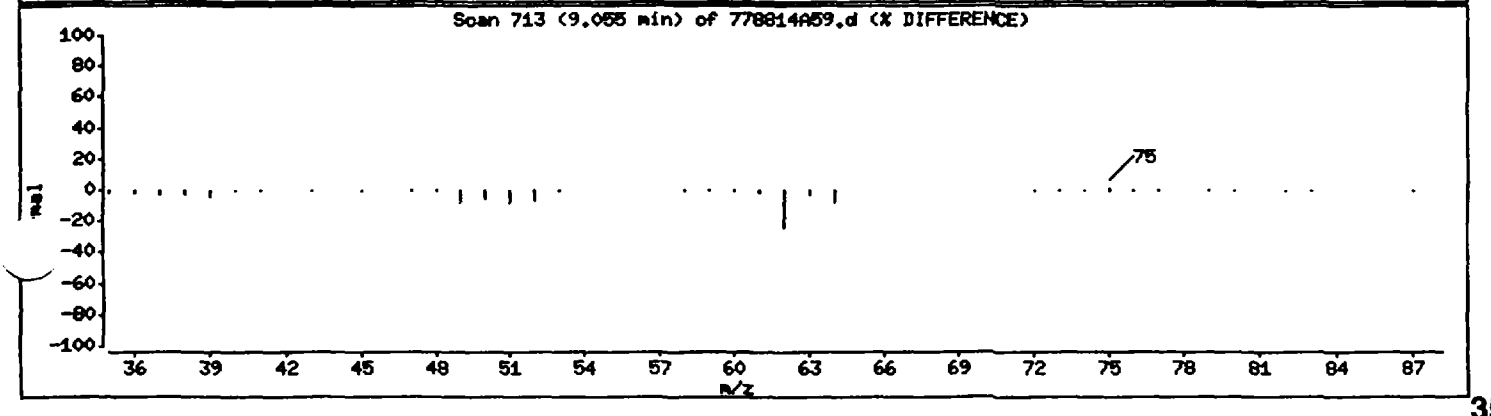
Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 3300 ug/L









Data File: /chem/5972hp59.i/DF050928A59.b/778814A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778814A59.d
Lab Smp Id: 778814 Client Smp ID: ACSGWMW5626
Inj Date : 28-SEP-2005 13:46
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 778814:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 13
Dil Factor: 8.33000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	8.33000	Dilution Factor
Vo	5.00000	volume of water
DF	8.33000	dilution factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	9.282	797316	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.962	121123	37.9783617	63	0		0	1

Data File: /chem/5972hp59.i/DF050928A59.b/778814A59.d

Date : 28-SEP-2005 13:46

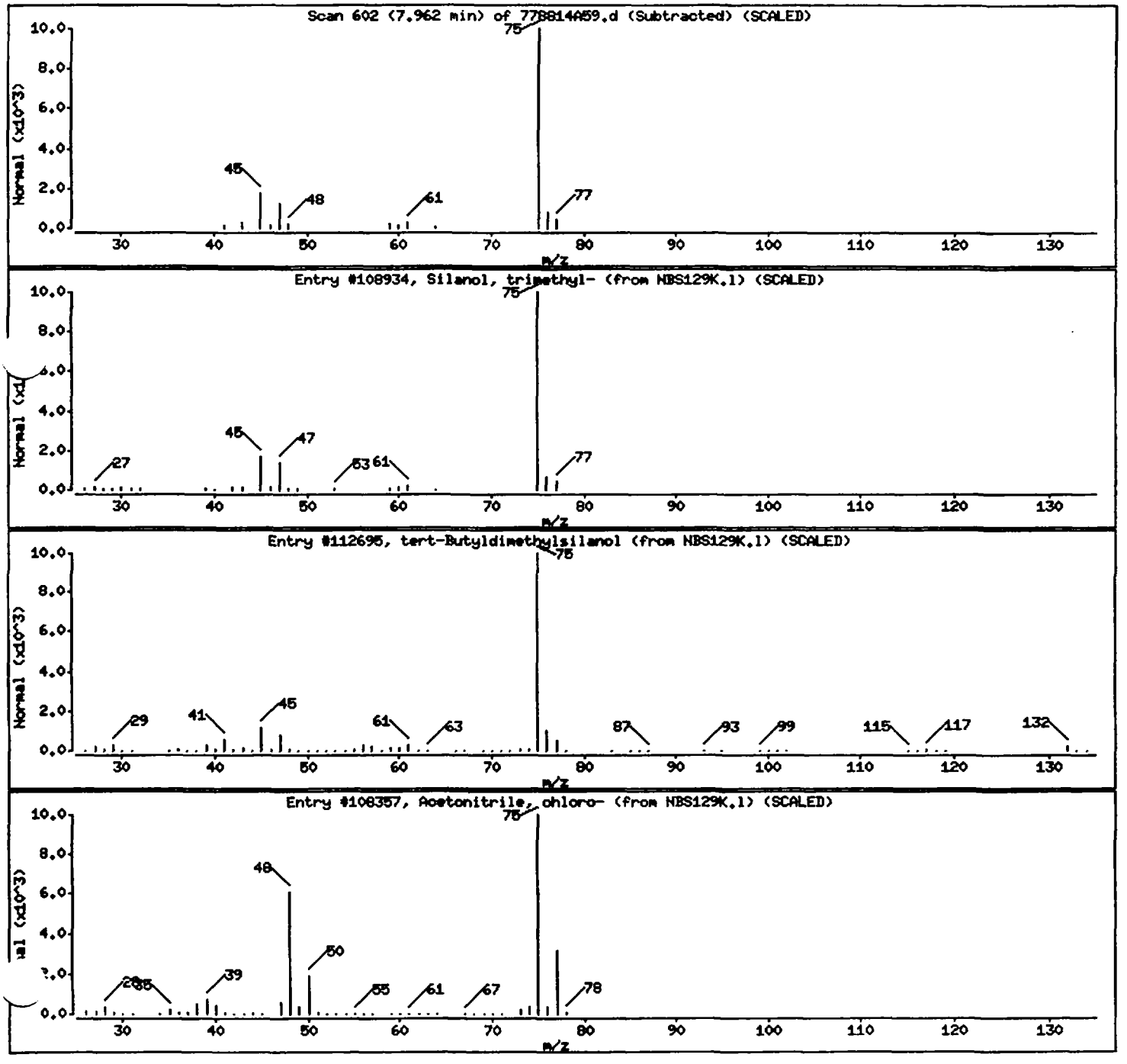
Client ID: ACSGWHW5626 Instrument: 5972hp59.i

Sample Info: 778814:2473

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						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108934	78	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	74	C6H16OSi	132
Acetonitrile, chloro-	107-14-2	NBS129K.l	108357	9	C2H2ClN	75



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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	2.7	DJ
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	390	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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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.				
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27.				
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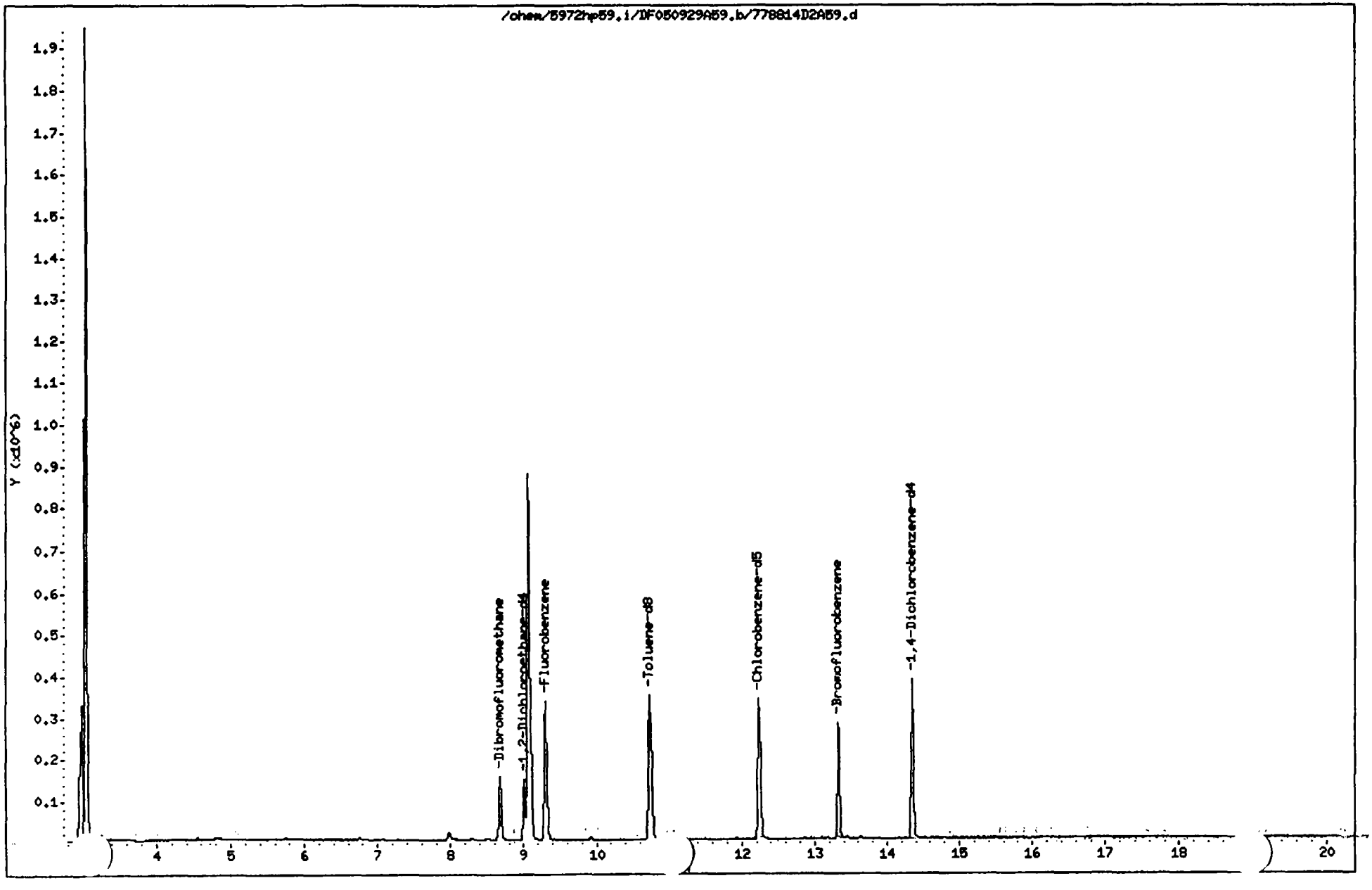
30.				

FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050929A59.b/778814D2A59.d
Date : 29-SEP-2005 13:02
Client ID: ACSGWM5626DL
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050929A59.b/778814D2A59.d
Report Date: 30-Sep-2005 01:33

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/778814D2A59.d
Lab Smp Id: 778814 Client Smp ID: ACSGWMW5626DL
Inj Date : 29-SEP-2005 13:02
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 12
Dil Factor: 3.33000
Integrator: HP RTE Compound Sublist: TCL4.sub
Target Version: 3.50

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	9.299	9.304	(1.000)	422722	250.000	
* 2 Chlorobenzene-d5	117	12.235	12.229	(1.000)	262111	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.352	14.347	(1.000)	129137	250.000	
$ 4 Dibromofluoromethane	113	8.669	8.673	(0.932)	120201	244.256	160
$ 5 1,2-Dichloroethane-d4	65	9.004	8.999	(0.968)	110336	238.826	160
$ 6 Toluene-d8	98	10.737	10.732	(0.878)	366412	247.300	160
$ 7 Bromofluorobenzene	95	13.318	13.313	(0.928)	140388	236.029	160
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/DF050929A59.b/778814D2A59.d
Report Date: 30-Sep-2005 01:33

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	6.748	6.743	(0.726)	2341	4.12309	2.7(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	9.073	9.077	(0.976)	1117029	591.241	390
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.					
Tetrachloroethene	164	Compound Not Detected.					
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/DF050929A59.b/778814D2A59.d

Date : 29-SEP-2005 13:02

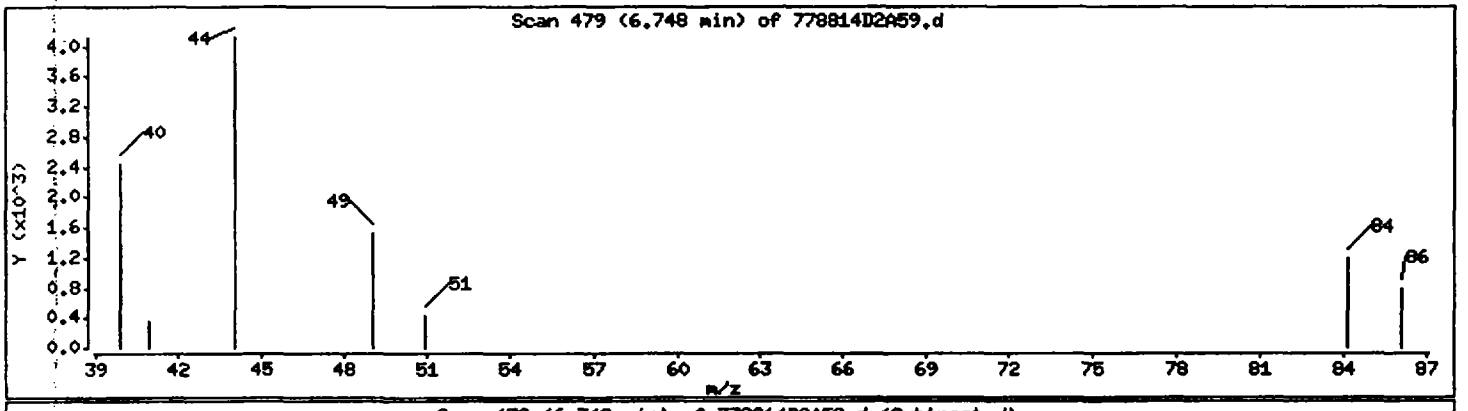
Client ID: ACSGWMW5626DL | Instrument: 5972hp59.i

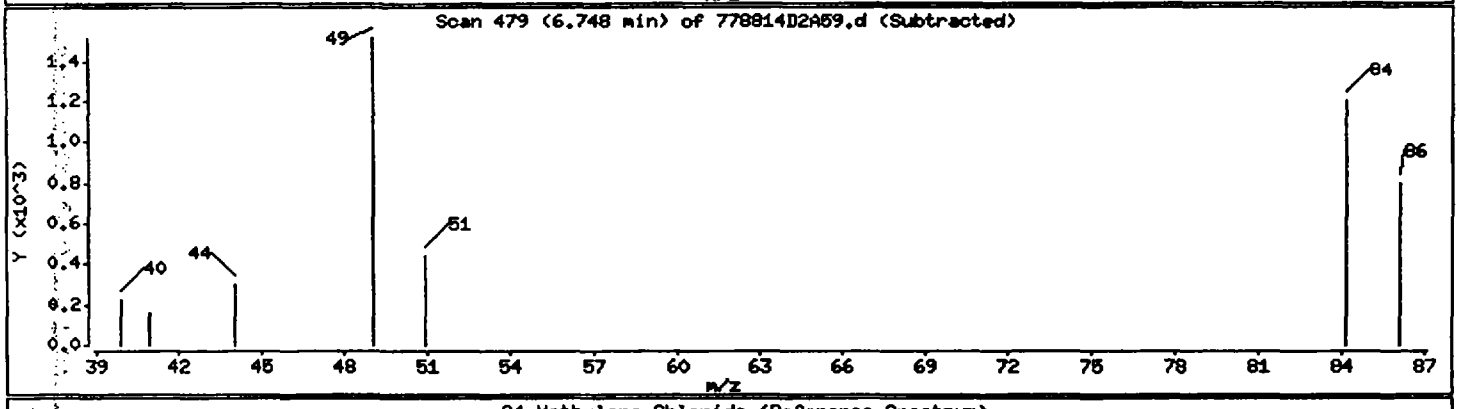
Sample Info:

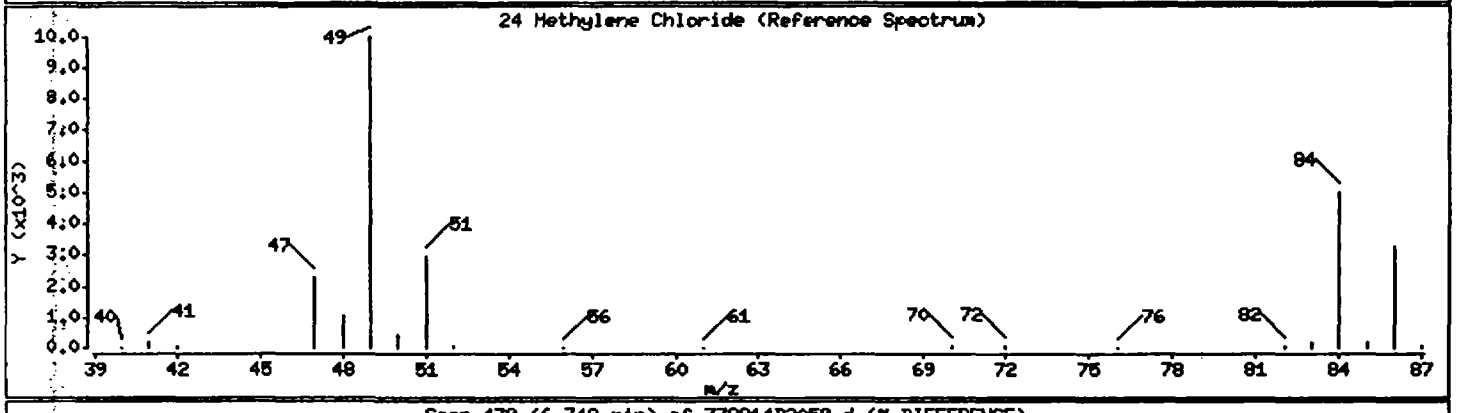
Purge Volume: 5.0 | Operator: 2473

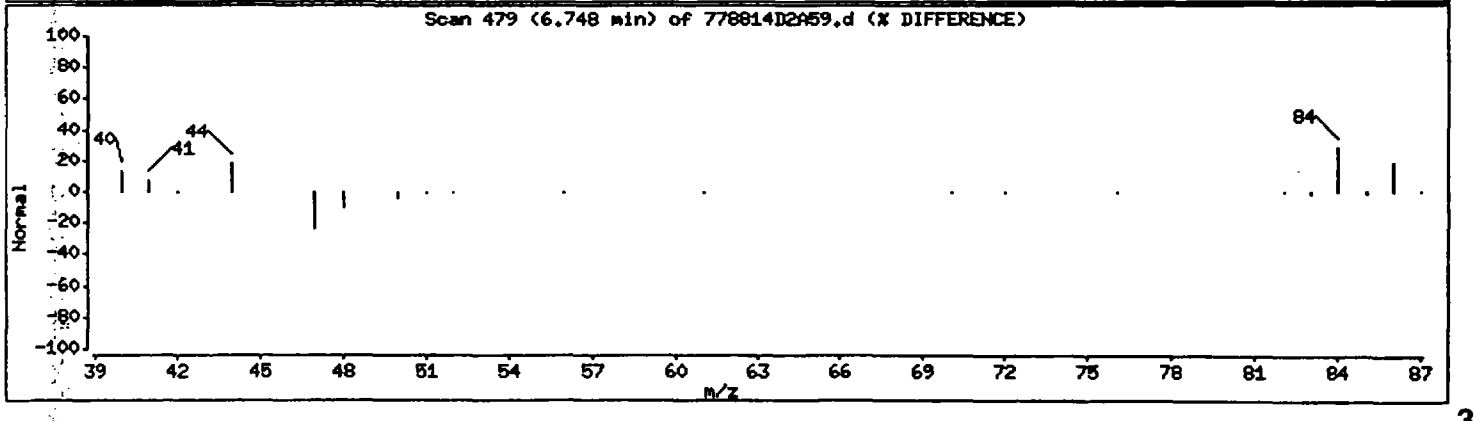
Column phase: ZB-624 | Column diameter: 0.32

24 Methylene Chloride | Concentration: 2.7 ug/L









Data File: /chem/5972hp59.i/DF050929A59.b/778814D2A59.d

Date : 29-SEP-2005 13:02

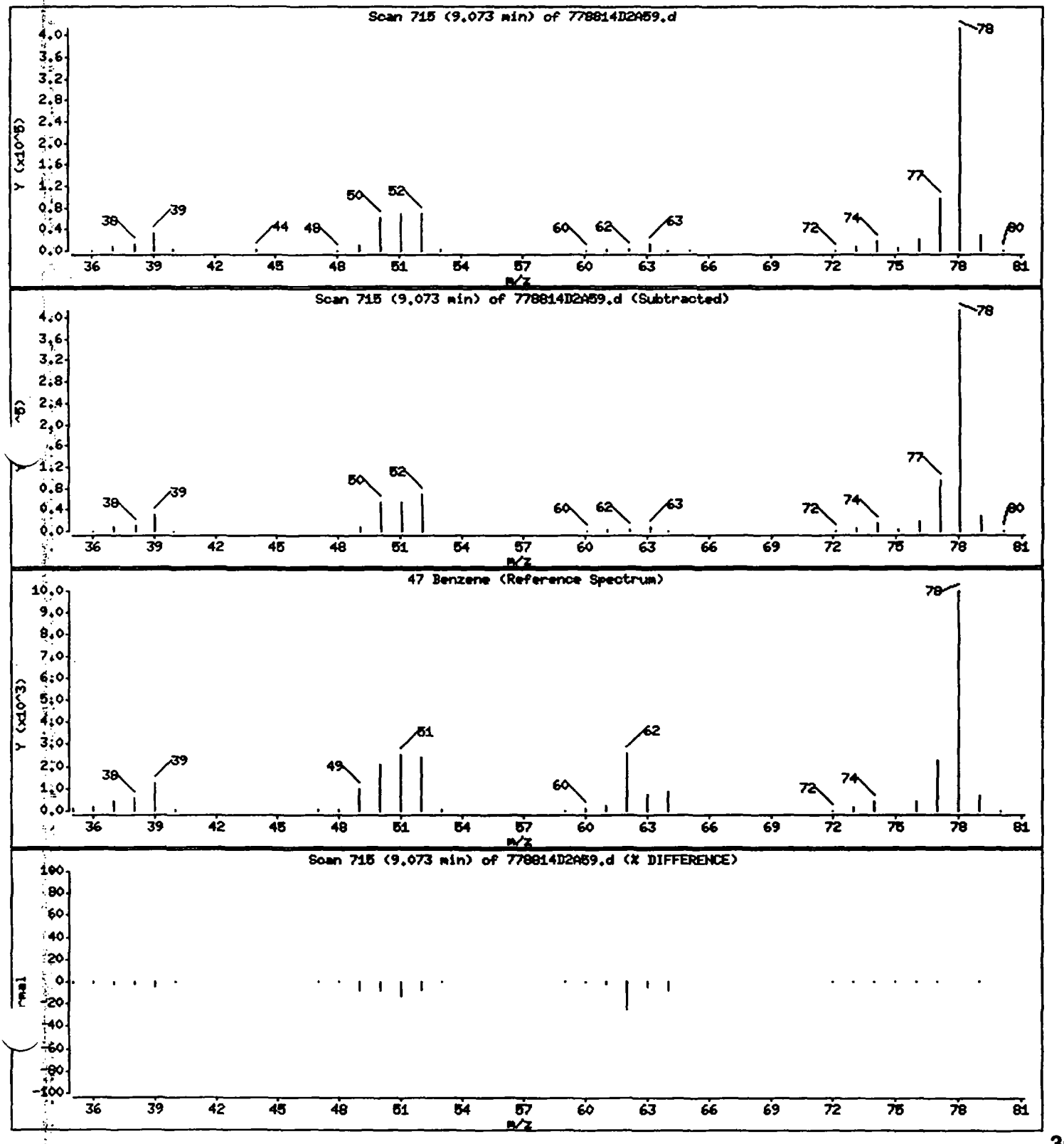
Client ID: ACSGWMW5626DL | Instrument: 5972hp59.i

Sample Info:

Purge Volume: 5.0 | Operator: 2473

Column phase: ZB-624 | Column diameter: 0.32

47 Benzene | Concentration: 390 ug/L



Data File: /chem/5972hp59.i/DF050929A59.b/778814D2A59.d
Report Date: 30-Sep-2005 01:33

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/778814D2A59.d
Lab Smp Id: 778814 Client Smp ID: ACSGWMW5626DL
Inj Date : 29-SEP-2005 13:02
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 12
Dil Factor: 3.33000
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.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	6.2	
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.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 2

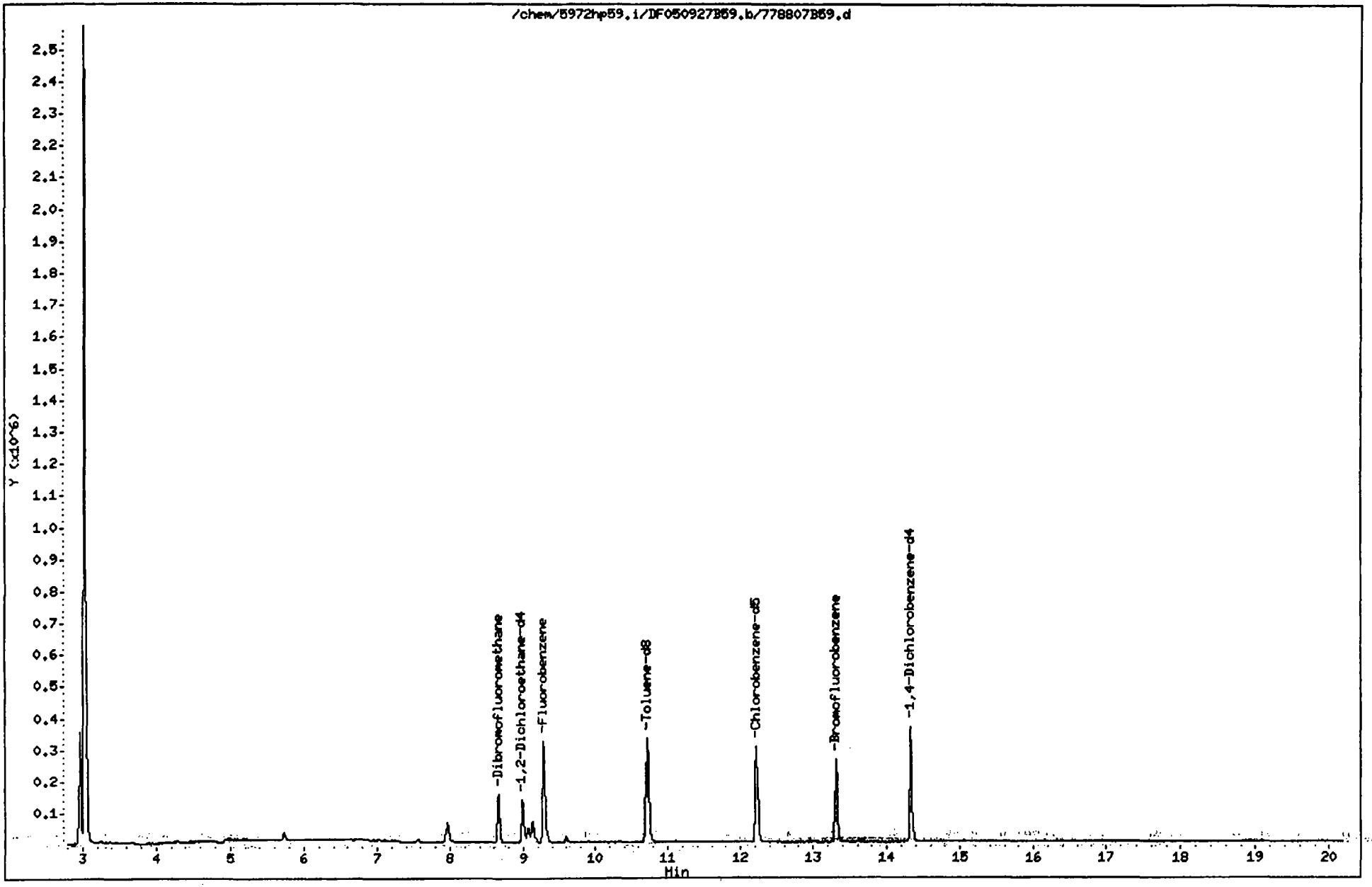
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.96	17	J
2.	111-43-3	DI-N-PROPYL ETHER	9.13	13	NJ
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/DF050927B59.b/778807B59.d
Date : 28-SEP-2005 01:35
Client ID: ACSCWHW9R26
Sample Info: 778807:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/778807B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778807B59.d
Lab Smp Id: 778807 Client Smp ID: ACSGWMW9R26
Inj Date : 28-SEP-2005 01:35
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778807:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 3
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	9.284	9.290	(1.000)	385461	250.000	
*	2 Chlorobenzene-d5	117	12.229	12.226	(1.000)	239435	250.000	
*	3 1,4-Dichlorobenzene-d4	152	14.337	14.333	(1.000)	117259	250.000	
$	4 Dibromofluoromethane	113	8.663	8.660	(0.933)	109828	244.900	49
$	5 1,2-Dichloroethane-d4	65	8.988	8.995	(0.968)	100213	248.137	50
$	6 Toluene-d8	98	10.722	10.728	(0.877)	335428	245.355	49
$	7 Bromofluorobenzene	95	13.312	13.309	(0.929)	129141	237.370	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.					
	19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF050927B59.b/778807B59.d
Report Date: 28-Sep-2005 06:00

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	9.057	9.064	(0.976)	50105	31.1850	6.2
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/DF050927B59.b/778807B59.d

Date : 28-SEP-2005 01:35

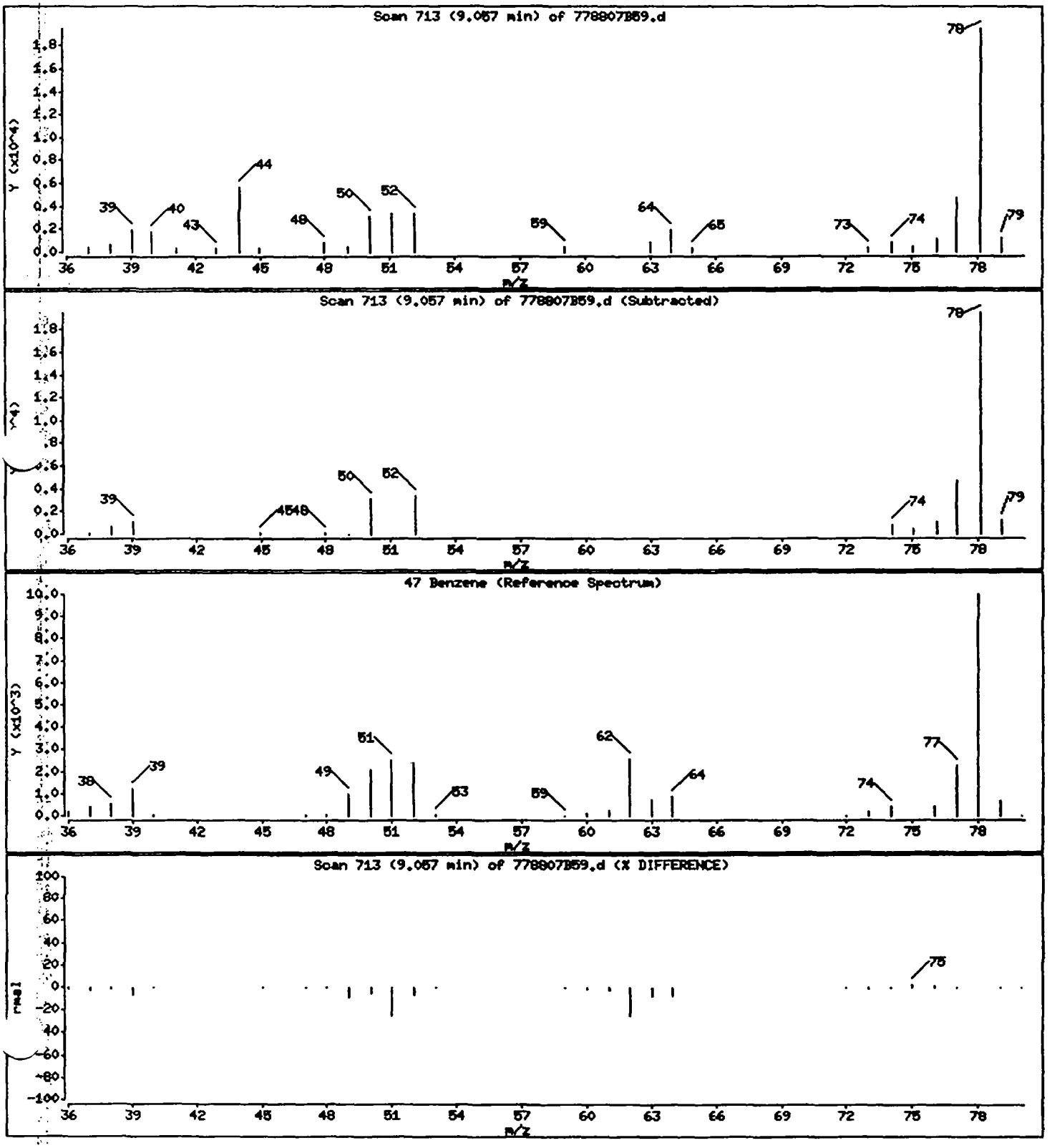
lient ID: ACSCHMW9R26 Instrument: 5972hp59.i

Sample Info: 778807:2481

Purge Volume: 5.0 Operator: 2481

Column phase: ZB-624 Column diameter: 0.32

47 Benzene Concentration: 6.2 ug/L



Data File: /chem/5972hp59.i/DF050927B59.b/778807B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/778807B59.d
Lab Smp Id: 778807 Client Smp ID: ACSGWMW9R26
Inj Date : 28-SEP-2005 01:35
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 778807:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 3
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	9.284	857824	250.000

	CONCENTRATIONS				QUANT			
	RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:			
	7.964	295114	86.0064116	17	0		0	1
Di-n-propyl ether					CAS #: 111-43-3			
	9.126	222623	64.8800037	13	86	NBS129K.1	109769	1

Data File: /chem/5972hp59.i/DF050927B59.b/778807B59.d

Date : 28-SEP-2005 01:35

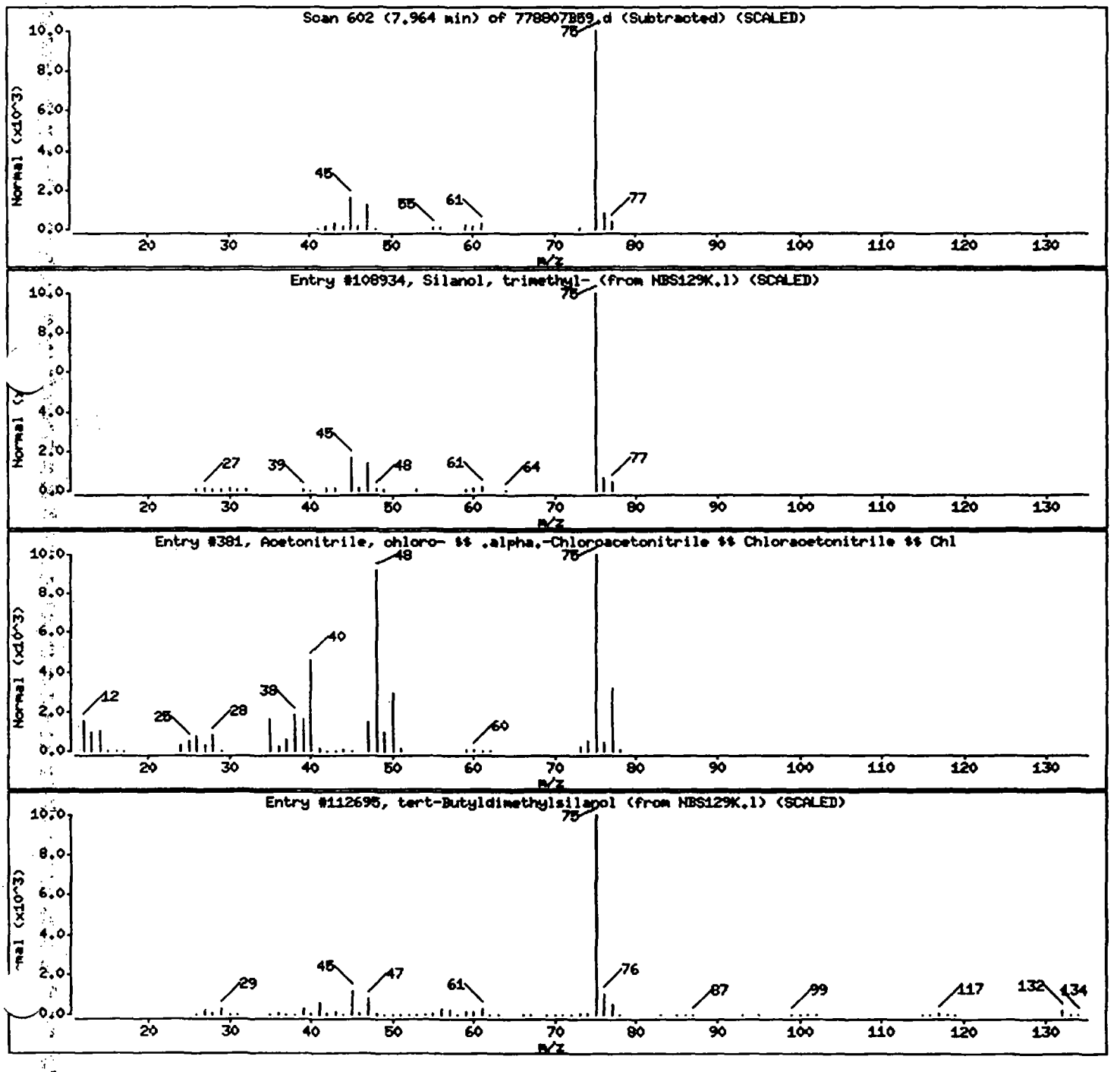
lient ID: ACSGWHW9R26 Instrument: 5972hp59.i

Sample Info: 778807:2481

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
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/DF050927B59.b/778807B59.d

Date : 28-SEP-2005 01:35

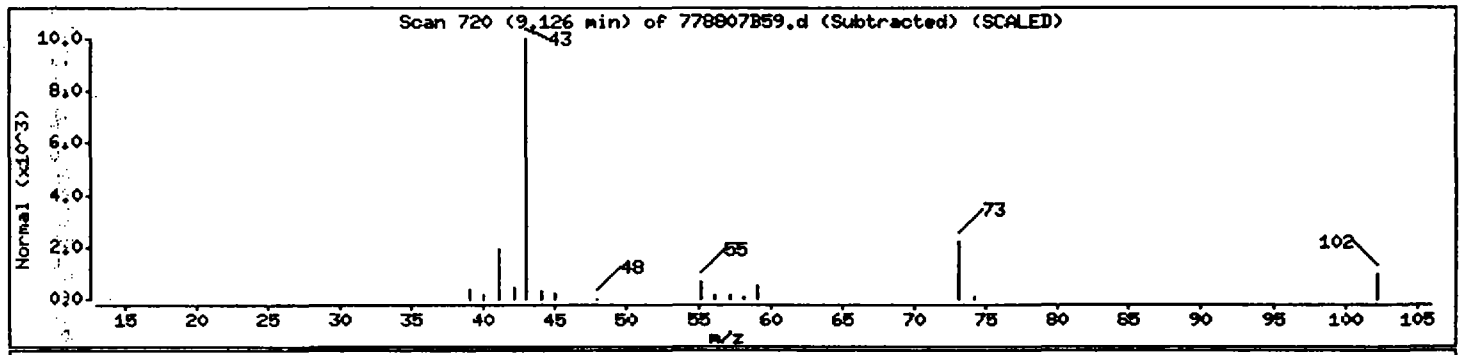
Client ID: ACSGWMW9R26 Instrument: 5972hp59.i

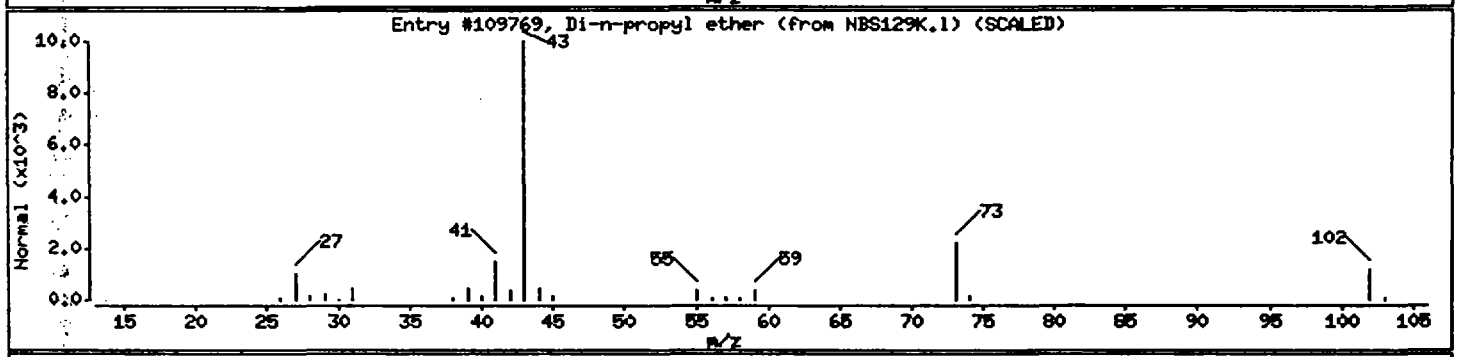
Sample Info: 778807:2481

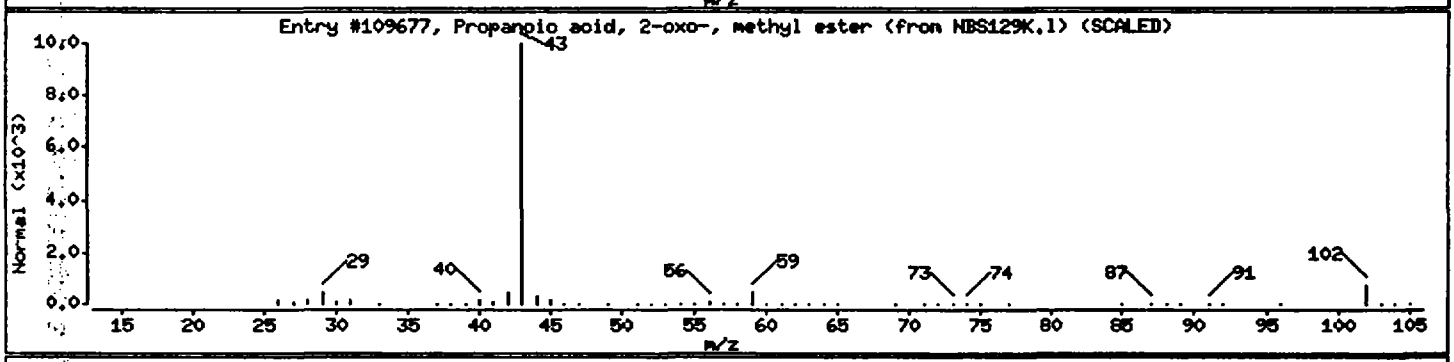
Purge Volume: 5.0 Operator: 2481

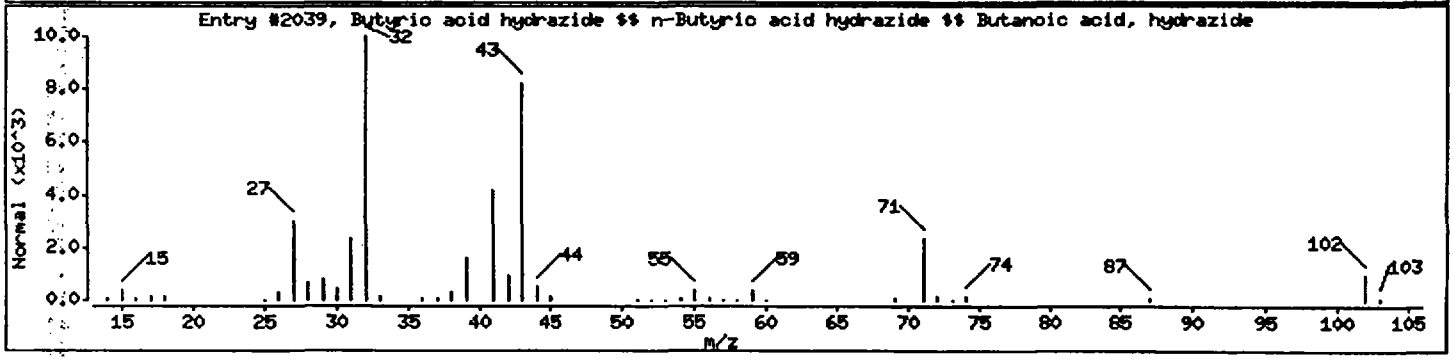
Column phase: ZB-624 Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Di-n-propyl ether	111-43-3	NBS129K.l	109769	86	C6H14O	102
Propanoic acid, 2-oxo-, methyl ester	600-22-6	NBS129K.l	109677	49	C4H6O3	102
Butyric acid hydrazide $$ n-Butyric acid	3538-65-6	NBS129K.l	2039	9	C4H10N2O	102









FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0226

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

ACSGWTB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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9.				
10.				
11.				
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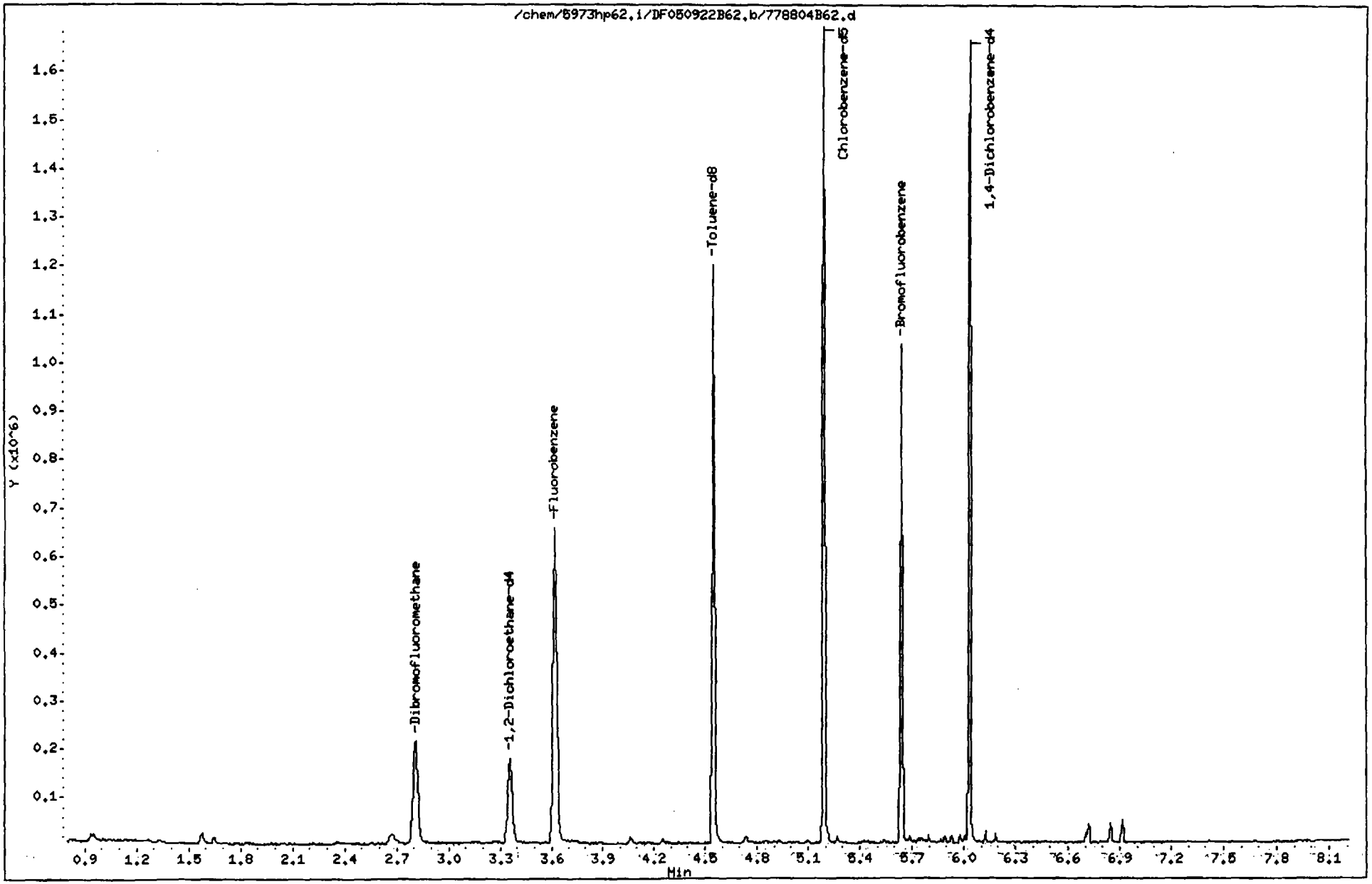
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/778804B62.d
Date : 22-SEP-2005 20:53
Client ID: ACSGWTB0226
Sample Info: 778804:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/778804B62.d
Report Date: 26-Sep-2005 01:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778804B62.d
Lab Smp Id: 778804 Client Smp ID: ACSGWTB0226
Inj Date : 22-SEP-2005 20:53
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778804:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.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	3.621	3.620	(1.000)	543395	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	446263	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	224394	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.774)	137233	195.586	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	129698	187.401	37
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	428392	230.313	46
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	176988	238.413	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/5973hp62.i/DF050922B62.b/778804B62.d
Report Date: 26-Sep-2005 01:24

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/5973hp62.i/DF050922B62.b/778804B62.d
Report Date: 26-Sep-2005 01:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/778804B62.d
Lab Smp Id: 778804 Client Smp ID: ACSGWTB0226
Inj Date : 22-SEP-2005 20:53
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 778804:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 14
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.

ACSGWTB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

ACSGWTB0326

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 1

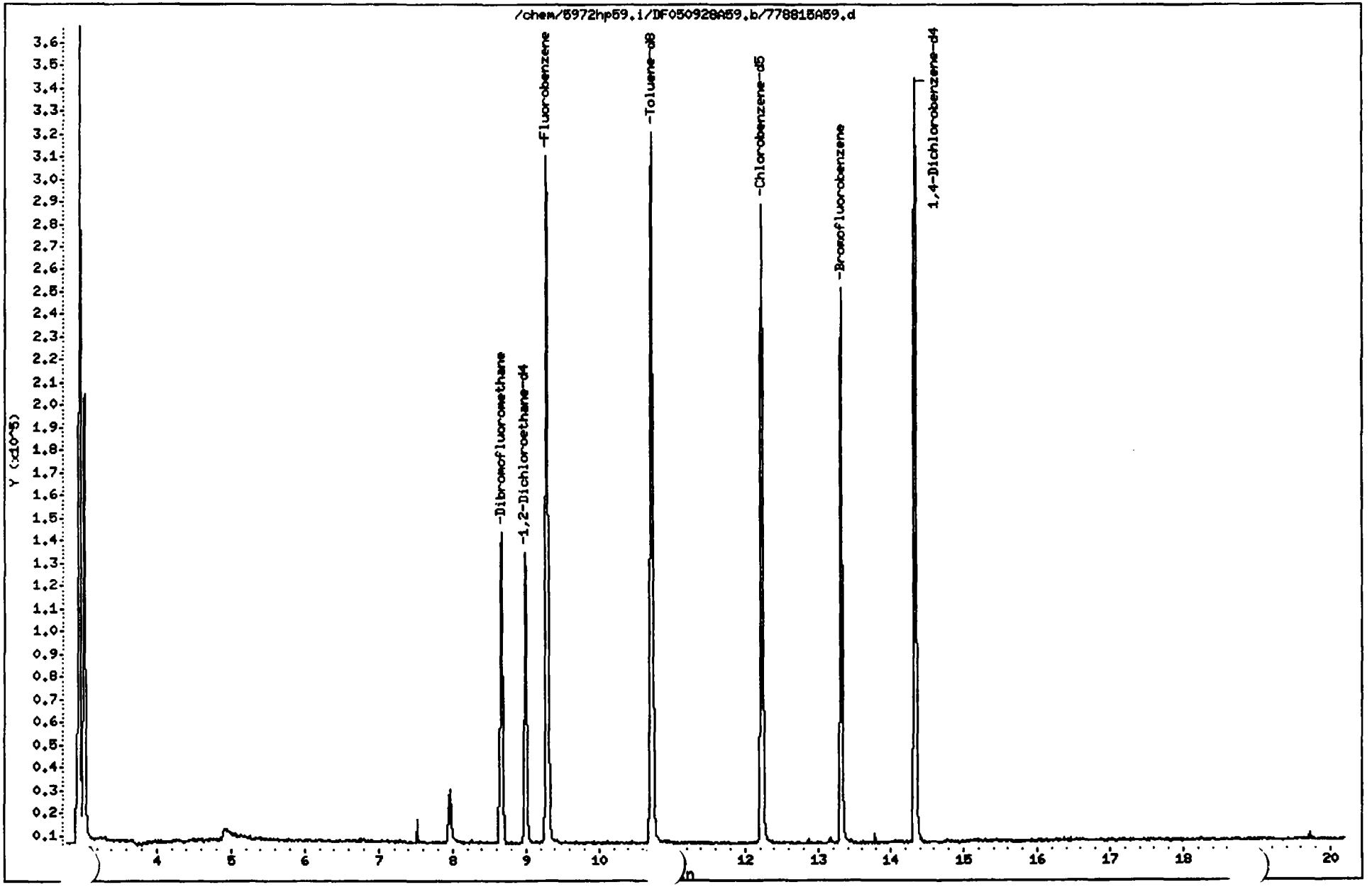
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.96	5.2	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 I VOA-TIC

Data File: /chem/5972hp59.i/DF050928A59.b/778815A59.d
Date : 28-SEP-2005 14:14
Client ID: ACSGWTB0326
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/778815A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778815A59.d
Lab Smp Id: 778815 Client Smp ID: ACSGWTB0326
Inj Date : 28-SEP-2005 14:14
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 14
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	9.282	9.284	(1.000)	364450	250.000	
* 2 Chlorobenzene-d5	117	12.227	12.219	(1.000)	220756	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.335	14.337	(1.000)	108293	250.000	
$ 4 Dibromofluoromethane	113	8.662	8.653	(0.933)	102153	240.918	48
$ 5 1,2-Dichloroethane-d4	65	8.987	8.988	(0.968)	98465	257.865	52
$ 6 Toluene-d8	98	10.720	10.712	(0.877)	314744	249.705	50
$ 7 Bromofluorobenzene	95	13.311	13.302	(0.929)	119788	238.408	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

MZ
9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/778815A59.d
Report Date: 29-Sep-2005 00:07

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.					
3 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/DF050928A59.b/778815A59.d
Report Date: 29-Sep-2005 00:07

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/778815A59.d
Lab Smp Id: 778815 Client Smp ID: ACSGWTB0326
Inj Date : 28-SEP-2005 14:14
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 14
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	9.282	774955	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.962	80477	25.9617884	5.2	0		0	1

Data File: /chem/5972hp59.i/DF050928A59.b/778815A59.d

ate : 28-SEP-2005 14:14

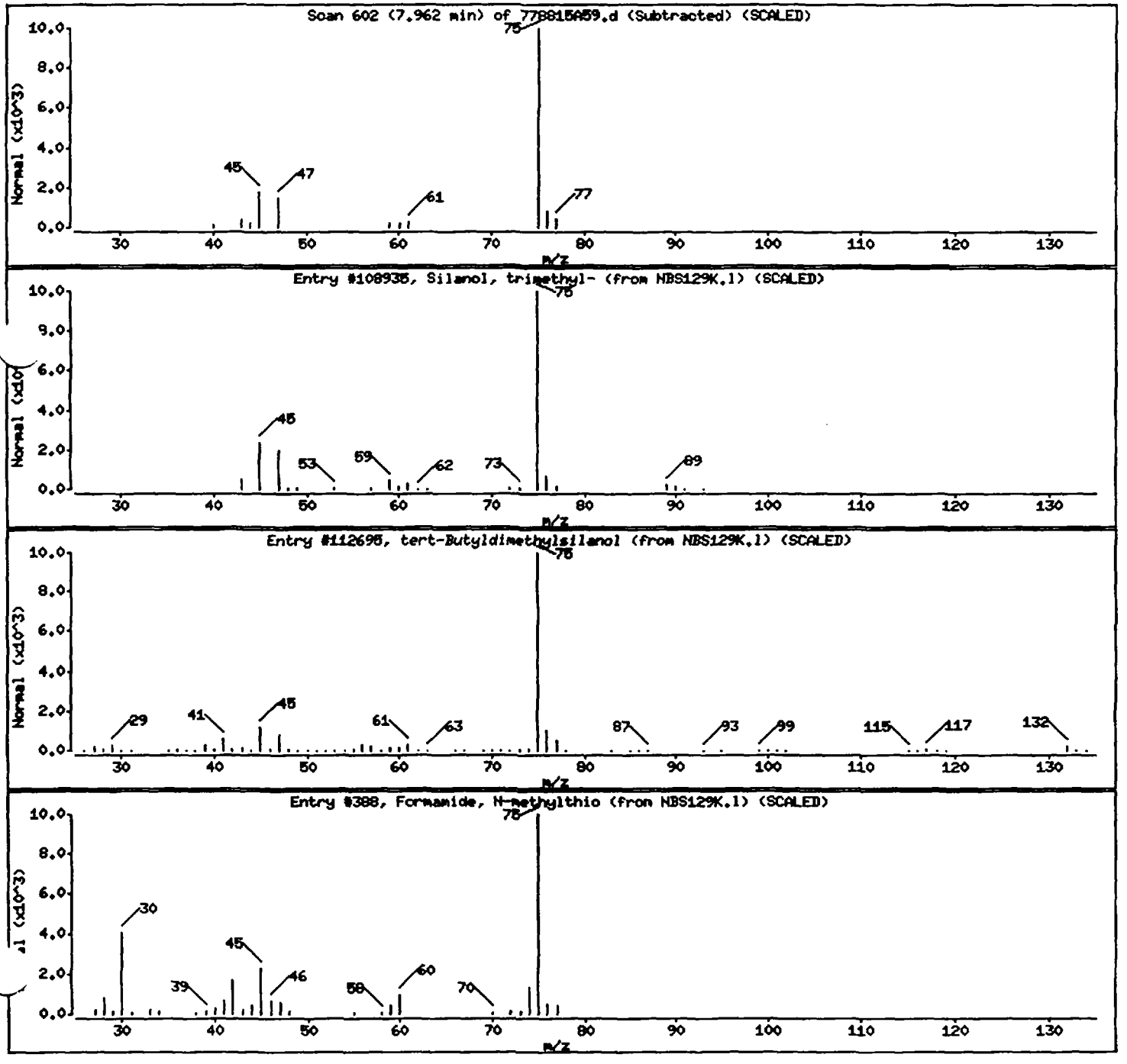
Client ID: ACSGWTB0326 Instrument: 5972hp59.i

Sample Info:

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						
Silanol, trimethyl-	1066-40-6	NBS129K.l	108935	83	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NBS129K.l	112695	9	C6H16OSi	132
Formamide, N-methylthio	0-00-0	NBS129K.l	388	5	C2H5NS	75



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.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

LAB FILE ID: RF5: GT050912A59 RF10: GU050912A59 RF20: GV050912A59
RF50: GA050912A59 RF100: GX050912A59RF200: GY050912A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.36218	0.36401	0.34185	0.31709	0.32653	0.37121
Chloromethane	0.18071	0.18070	0.16960	0.16346	0.16436	0.16839
Vinyl Chloride	0.15403	0.15362	0.14668	0.14838	0.14976	0.15701
Bromomethane	0.29620	0.28894	0.27341	0.29178	0.26128	0.27161
Chloroethane	0.21146	0.22672	0.20687	0.20698	0.20791	0.20670
Trichlorofluoromethane	0.43531	0.43300	0.40104	0.38912	0.39785	0.44155
1,1-Dichloroethene	0.24475	0.25932	0.24771	0.24446	0.24222	0.25102
Carbon disulfide	0.88694	1.00224	0.97604	0.93437	0.94136	0.95032
1,1,2-trichloro-1,2,2-triflu	0.30598	0.31788	0.31464	0.29405	0.28990	0.33277
Acetone	0.05932	0.05358	0.05850	0.05387	0.05844	0.05638
Methylene Chloride	0.31280	0.32159	0.31424	0.29585	0.30056	0.29326
trans-1,2-Dichloroethene	0.29553	0.29911	0.29388	0.27511	0.27621	0.27322
Methyl-tert-butyl ether	0.58596	0.62167	0.63464	0.59374	0.61717	0.58832
1,1-Dichloroethane	0.50753	0.53341	0.52468	0.49446	0.48359	0.46264
cis-1,2-Dichloroethene	0.30719	0.31048	0.30730	0.29010	0.28756	0.27912
2-butanone	0.08916	0.08524	0.09198	0.09158	0.09796	0.09146
Chloroform	0.51807	0.54672	0.54540	0.50556	0.51513	0.51198
1,1,1-Trichloroethane	0.41799	0.42861	0.41734	0.39661	0.40333	0.41838
Carbon Tetrachloride	0.35564	0.34174	0.34890	0.32330	0.32744	0.35224
Benzene	1.04993	1.07507	1.05554	0.98590	0.96555	0.95141
1,2-Dichloroethane	0.33348	0.35580	0.35557	0.33788	0.34189	0.33628
Trichloroethene	0.27122	0.27994	0.26510	0.25511	0.25969	0.26584
1,2-Dichloropropane	0.26687	0.27772	0.27247	0.24596	0.22637	0.19497
Bromodichloromethane	0.34193	0.37966	0.38141	0.35742	0.37259	0.37161
cis-1,3-Dichloropropene	0.41554	0.42893	0.43392	0.43340	0.44271	0.43851
4-Methyl-2-pentanone	0.28250	0.29502	0.32607	0.30807	0.32722	0.31527
Toluene	0.94623	0.97117	0.97993	0.88995	0.88714	0.90035
trans-1,3-Dichloropropene	0.56603	0.59656	0.59428	0.55410	0.53892	0.50973
1,1,2-Trichloroethane	0.29851	0.31971	0.32601	0.30789	0.31541	0.31427
Tetrachloroethene	0.29531	0.31348	0.28618	0.26624	0.27529	0.29823
2-hexanone	0.18861	0.19840	0.21738	0.21070	0.23174	0.21753
Dibromochloromethane	0.36717	0.38873	0.40808	0.39014	0.40982	0.41935
1,2-Dibromoethane	0.33514	0.33846	0.35531	0.35684	0.35084	0.35465
Chlorobenzene	0.95804	0.99479	0.98135	0.91904	0.91473	0.95117
Ethylbenzene	0.47968	0.49522	0.48106	0.44340	0.44828	0.46427
Styrene	0.89109	0.97613	0.99442	0.93423	0.93947	0.94642
Bromoform	0.21718	0.24514	0.25255	0.24217	0.26214	0.26542
Isopropyl Benzene	1.42509	1.53241	1.38973	1.34365	1.40086	1.51873
1,1,2,2-Tetrachloroethane	0.91270	0.96561	1.04001	0.95202	0.93967	0.92020
1,3-Dichlorobenzene	1.46042	1.47453	1.42802	1.37610	1.40353	1.43516
1,4-Dichlorobenzene	1.53185	1.57868	1.48722	1.42791	1.45048	1.55574
1,2-Dichlorobenzene	1.31008	1.37224	1.33278	1.27291	1.30249	1.40141
1,2-Dibromo-3-Chloropropane	0.11523	0.11589	0.14117	0.12760	0.14464	0.15709
1,2,4-Trichlorobenzene	0.88588	0.93403	0.81212	0.87107	0.93326	1.02903

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

LAB FILE ID: RF5: GT050912A59 RF10: GU050912A59 RF20: GV050912A59
RF50: GA050912A59 RF100: GX050912A59RF200: GY050912A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.58272	0.61204	0.57907	0.54588	0.54974	0.55328
Methyl acetate	0.12011	0.13548	0.14885	0.14502	0.14663	0.14084
Cyclohexane	0.36544	0.38497	0.37326	0.34909	0.34593	0.40606
Methylcyclohexane	0.33348	0.37853	0.33407	0.31877	0.31410	0.35240
Dibromofluoromethane	0.33574	0.32148	0.31034	0.29662	0.30224	0.29074
1,2-Dichloroethane-d4	0.34728	0.31553	0.31320	0.28825	0.30143	0.28796
Toluene-d8	1.52973	1.39097	1.37367	1.30043	1.32549	1.27882
Bromofluorobenzene	1.15363	1.08551	1.10372	1.07421	1.07758	1.07078

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG	0.34714451	6.372	15.000
Chloromethane	AVRG	0.17120284	4.509	15.000
Vinyl Chloride	AVRG	0.15157988	2.592	30.000
Bromomethane	AVRG	0.28053686	4.897	15.000
Chloroethane	AVRG	0.21110700	3.722	15.000
Trichlorofluoromethane	AVRG	0.41631135	5.467	15.000
1,1-Dichloroethene	AVRG	0.24824815	2.506	30.000
Carbon disulfide	AVRG	0.94854515	4.135	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG	0.30920599	5.160	15.000
Acetone	AVRG	0.05668242	4.392	15.000
Methylene Chloride	AVRG	0.30638377	3.725	15.000
trans-1,2-Dichloroethene	AVRG	0.28551223	4.147	15.000
Methyl-tert-butyl ether	AVRG	0.60691818	3.336	15.000
1,1-Dichloroethane	AVRG	0.50105220	5.258	15.000
cis-1,2-Dichloroethene	AVRG	0.29695855	4.386	15.000
2-butanone	AVRG	0.09123046	4.550	15.000
Chloroform	AVRG	0.52381093	3.385	30.000
1,1,1-Trichloroethane	AVRG	0.41370951	2.809	15.000
Carbon Tetrachloride	AVRG	0.34154529	3.925	15.000
Benzene	AVRG	1.01389995	5.182	15.000
1,2-Dichloroethane	AVRG	0.34348371	2.864	15.000
Trichloroethene	AVRG	0.26615061	3.279	15.000
1,2-Dichloropropane	AVRG	0.24739252	12.935	30.000
Bromodichloromethane	AVRG	0.36743833	4.109	15.000
cis-1,3-Dichloropropene	AVRG	0.43216815	2.177	15.000
4-Methyl-2-pentanone	AVRG	0.30902781	5.718	15.000
Toluene	AVRG	0.92912853	4.506	30.000
trans-1,3-Dichloropropene	AVRG	0.55993618	5.952	15.000
1,1,2-Trichloroethane	AVRG	0.31363469	3.042	15.000
Tetrachloroethene	AVRG	0.28912216	5.865	15.000
2-hexanone	AVRG	0.21072585	7.268	15.000
Dibromochloromethane	AVRG	0.39721573	4.765	15.000
1,2-Dibromoethane	AVRG	0.34854029	2.687	15.000
Chlorobenzene	AVRG	0.95318832	3.382	15.000
Ethylbenzene	AVRG	0.46865104	4.324	30.000
Styrene	AVRG	0.94695994	3.791	15.000
Bromoform	AVRG	0.24743421	7.032	15.000
Isopropyl Benzene	AVRG	1.43507848	5.229	15.000
1,1,2,2-Tetrachloroethane	AVRG	0.95503483	4.817	15.000
1,3-Dichlorobenzene	AVRG	1.42962741	2.530	15.000
1,4-Dichlorobenzene	AVRG	1.50531439	3.981	15.000
1,2-Dichlorobenzene	AVRG	1.33198699	3.566	15.000
1,2-Dibromo-3-Chloropropane	AVRG	0.13360400	12.605	15.000
1,2,4-Trichlorobenzene	AVRG	0.91089733	8.061	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/12/05 09/12/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1549 1928

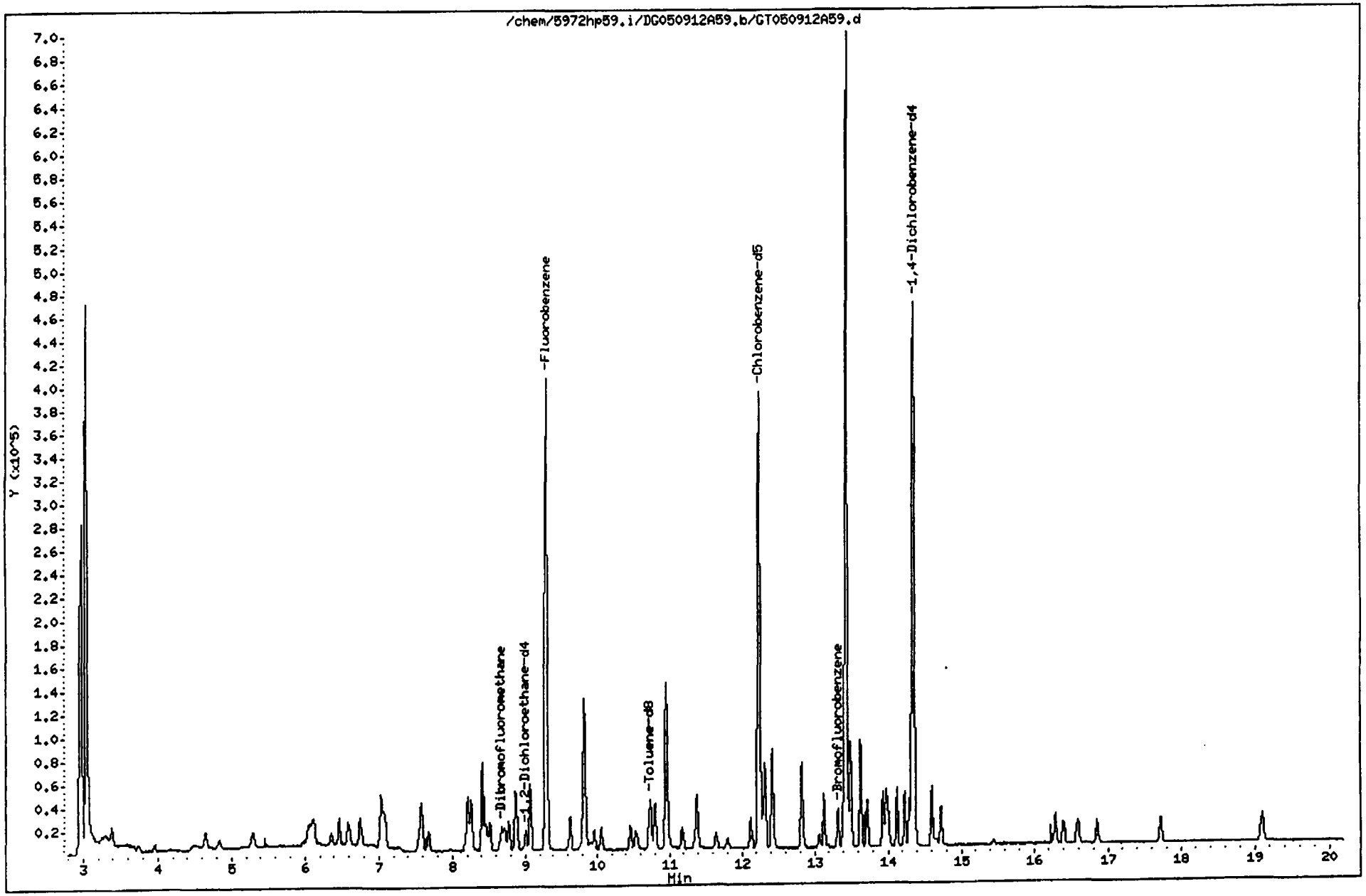
COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG	0.57045591	4.491	15.000
Methyl acetate	AVRG	0.13948935	7.606	15.000
Cyclohexane	AVRG	0.37079209	6.113	15.000
Methylcyclohexane	AVRG	0.33856025	7.020	15.000
Dibromofluoromethane	AVRG	0.30952669	5.412	15.000
1,2-Dichloroethane-d4	AVRG	0.30894438	7.174	15.000
Toluene-d8	AVRG	1.36651850	6.629	15.000
Bromofluorobenzene	AVRG	1.09423819	2.867	15.000

FORM VI VOA

Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Date : 12-SEP-2005 15:49
Client ID: VSTD005
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 12-SEP-2005 15:49
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 15:49 Cal File: GT050912A59.d
Als bottle: 6 Calibration Sample, Level: 1
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	9.293	9.300	(1.000)	429534	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.222	(1.000)	280958	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.339	14.337	(1.000)	147266	250.000	
$ 4 Dibromofluoromethane	113	8.673	8.670	(0.933)	14421	25.0000	27
$ 5 1,2-Dichloroethane-d4	65	8.998	8.995	(0.968)	14917	25.0000	27
$ 6 Toluene-d8	98	10.729	10.727	(0.878)	42979	25.0000	27
$ 7 Bromofluorobenzene	95	13.307	13.304	(0.928)	16989	25.0000	26
8 Dichlorodifluoromethane	85	3.380	3.378	(0.364)	15557	25.0000	27
9 Chloromethane	50	3.744	3.742	(0.403)	7762	25.0000	25
10 Vinyl Chloride	62	3.961	3.958	(0.426)	6616	25.0000	25
11 Bromomethane	94	4.639	4.637	(0.499)	12723	25.0000	25
12 Chloroethane	64	4.836	4.824	(0.520)	9083	25.0000	25
13 Trichlorofluoromethane	101	5.299	5.286	(0.570)	18698	25.0000	26
14 Acrolein	56	5.977	5.955	(0.643)	6180	250.000	240(M)
15 1,1-Dichloroethene	96	6.115	6.113	(0.658)	10513	25.0000	25
16 1,1,1-trichloro-2,2,2-trifluo	117	6.036	6.044	(0.650)	5044	25.0000	25

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9.14.05

Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.174	6.162	(0.664)	6370	62.5000	66
18 Iodomethane	142	6.361	6.359	(0.685)	14718	25.0000	23
19 1,1,2-trichloro-1,2,2-trifluo	101	6.076	6.073	(0.654)	13143	25.0000	25
20 Carbon disulfide	76	6.459	6.467	(0.695)	38097	25.0000	24
21 3-Chloropropene	76	6.587	6.585	(0.709)	6136	25.0000	25
22 Acetonitrile	41	6.587	6.585	(0.709)	16129	25.0000	26
23 Methyl acetate	43	6.597	6.575	(0.710)	5159	25.0000	23
24 Methylene Chloride	84	6.745	6.742	(0.726)	13436	25.0000	26
25 Acrylonitrile	53	7.030	7.018	(0.756)	33357	250.000	250
26 trans-1,2-Dichloroethene	96	7.079	7.067	(0.762)	12694	25.0000	26
27 trans-1,2-DCE (part of total)	96	7.079	7.067	(0.762)	12694	25.0000	26
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.030	7.018	(0.756)	25169	25.0000	25
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.571	7.569	(0.815)	21800	25.0000	25
30 Chloroprene	53	7.669	7.677	(0.825)	14314	25.0000	24
31 Vinyl acetate	43	7.581	7.569	(0.816)	31278	25.0000	24
32 Isopropyl ether	45	7.571	7.569	(0.815)	34305	25.0000	25
33 cis-1,2-Dichloroethene	96	8.201	8.198	(0.882)	13195	25.0000	26
34 cis-1,2-DCE (part of total)	96	8.201	8.198	(0.882)	13195	25.0000	26
35 2,2-Dichloropropane	77	8.201	8.198	(0.882)	18380	25.0000	25
36 Propionitrile	*54*	*8.250*	*8.247*	*(0.888)*	*56037*	*1250.00*	*1300*
37 2-butanone	43	8.181	8.169	(0.880)	9574	62.5000	62(M)
38 Methacrylonitrile	41	8.407	8.395	(0.905)	48316	250.000	250
39 Bromochloromethane	128	8.457	8.464	(0.910)	5482	25.0000	25
40 Chloroform	83	8.506	8.503	(0.915)	22253	25.0000	25
41 1,1,1-Trichloroethane	97	8.712	8.710	(0.938)	17954	25.0000	26
42 Cyclohexane	56	8.771	8.769	(0.944)	15697	25.0000	26
43 1,1-dichloropropene	75	8.860	8.857	(0.953)	15973	25.0000	26
44 Carbon Tetrachloride	117	8.880	8.877	(0.956)	15276	25.0000	26
45 1,2-Dichloroethane	62	9.066	9.064	(0.976)	14324	25.0000	25
46 Isobutyl alcohol	43	8.860	8.848	(0.953)	13173	1250.00	1100
47 Benzene	78	9.066	9.064	(0.976)	45098	25.0000	26
48 Trichloroethene	130	9.627	9.625	(1.036)	11650	25.0000	26
49 Methylcyclohexane	83	9.794	9.802	(1.054)	14324	25.0000	26
50 1,2-Dichloropropane	63	9.824	9.831	(1.057)	11463	25.0000	26
51 Dibromomethane	174	9.962	9.959	(1.072)	6839	25.0000	25
52 1,4-dioxane	88	9.912	9.910	(1.067)	4053	1250.00	1200
53 Methylmethacrylate	69	9.824	9.821	(1.057)	59581	250.000	250
54 Bromodichloromethane	83	10.060	10.058	(1.083)	14687	25.0000	24
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.454	10.451	(1.125)	17849	25.0000	24
57 4-Methyl-2-pentanone	43	10.532	10.520	(0.862)	19843	62.5000	60
58 Toluene	92	10.788	10.795	(0.882)	26585	25.0000	26
59 trans-1,3-Dichloropropene	75	10.965	10.963	(0.897)	15903	25.0000	25
60 1,1,2-Trichloroethane	97	11.172	11.169	(0.914)	8387	25.0000	25
61 Ethylmethacrylate	69	10.945	10.943	(0.895)	114991	250.000	250

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9.14.05

Data File: /chem/5972hp59.i/DG050912A59.b/GT050912A59.d
Report Date: 14-Sep-2005 03:39

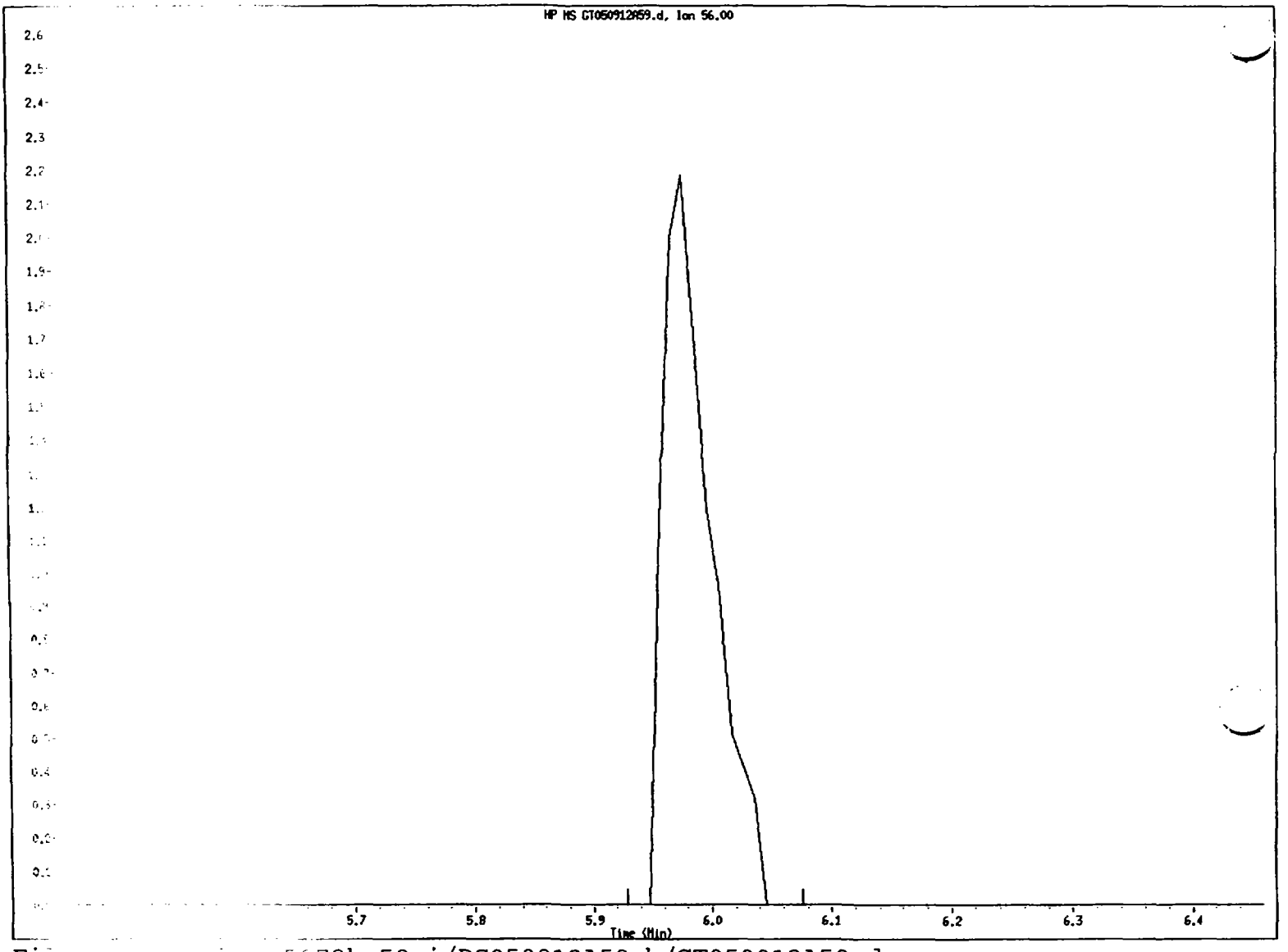
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.368	11.356	(0.930)	15455	25.0000	25
63 Tetrachloroethene	164	11.368	11.376	(0.930)	8297	25.0000	26
64 2-hexanone	43	11.368	11.336	(0.930)	13248	62.5000	59
65 Dibromochloromethane	129	11.644	11.641	(0.953)	10316	25.0000	24
66 1,2-Dibromoethane	107	11.801	11.799	(0.965)	9416	25.0000	24
67 Chlorobenzene	112	12.254	12.251	(1.002)	26917	25.0000	26
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.303	12.301	(1.006)	9922	25.0000	25
70 Ethylbenzene	106	12.303	12.301	(1.006)	13477	25.0000	26
71 m,p-Xylene	106	12.411	12.409	(1.015)	33368	50.0000	52
72 m,p-Xylene (part of total)	106	12.411	12.409	(1.015)	33368	50.0000	52
73 o-Xylene	106	12.805	12.802	(1.047)	15748	25.0000	26
74 o-Xylene (part of total)	106	12.805	12.802	(1.047)	15748	25.0000	26
75 Styrene	104	12.815	12.812	(1.048)	25036	25.0000	24
76 Bromoform	173	13.061	13.058	(1.068)	6102	25.0000	24 (M)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.120	13.117	(1.073)	40039	25.0000	26
79 1,1,2,2-Tetrachloroethane	83	13.385	13.383	(0.933)	13441	25.0000	24
80 1,2,3-Trichloropropane	110	13.454	13.452	(1.101)	2936	25.0000	25
81 Bromobenzene	156	13.493	13.491	(1.104)	11141	25.0000	26
83 n-Propyl Benzene	91	13.493	13.491	(0.941)	58558	25.0000	26
84 2-Chlorotoluene	126	13.631	13.629	(0.951)	9586	25.0000	24
4-Chlorotoluene	126	13.720	13.707	(0.957)	10339	25.0000	25
1,3,5-Trimethyl Benzene	105	13.621	13.619	(0.950)	33761	25.0000	25
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.926	13.924	(0.971)	29869	25.0000	25
89 1,2,4-Trimethyl Benzene	105	13.966	13.963	(0.974)	34370	25.0000	25
90 sec-Butyl Benzene	105	14.113	14.111	(0.984)	44470	25.0000	25
91 1,3-Dichlorobenzene	146	14.290	14.288	(0.997)	21507	25.0000	26
92 p-Isopropyl Toluene	119	14.221	14.219	(0.992)	34016	25.0000	25
93 1,4-Dichlorobenzene	146	14.359	14.357	(1.001)	22559	25.0000	26
94 1,2-Dichlorobenzene	146	14.723	14.711	(1.027)	19293	25.0000	25
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.595	14.593	(1.018)	38540	25.0000	25
96 1,2-Dibromo-3-Chloropropane	157	15.441	15.439	(1.077)	1697	25.0000	24
97 1,2,4-Trichlorobenzene	180	16.278	16.275	(1.135)	13046	25.0000	25
98 Hexachlorobutadiene	225	16.396	16.393	(1.143)	5828	25.0000	25
99 Naphthalene	128	16.583	16.570	(1.156)	28187	25.0000	25
100 1,2,3-Trichlorobenzene	180	16.848	16.846	(1.175)	11672	25.0000	25
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				25889	50.0000	52
M 102 Xylene (total)	106				49116	75.0000	77

M 2
9-14-

QC Flag Legend

M - Compound response manually integrated.

Acrylonitrile CAS Number 107-02-8 Area = 6180 Manually integrated



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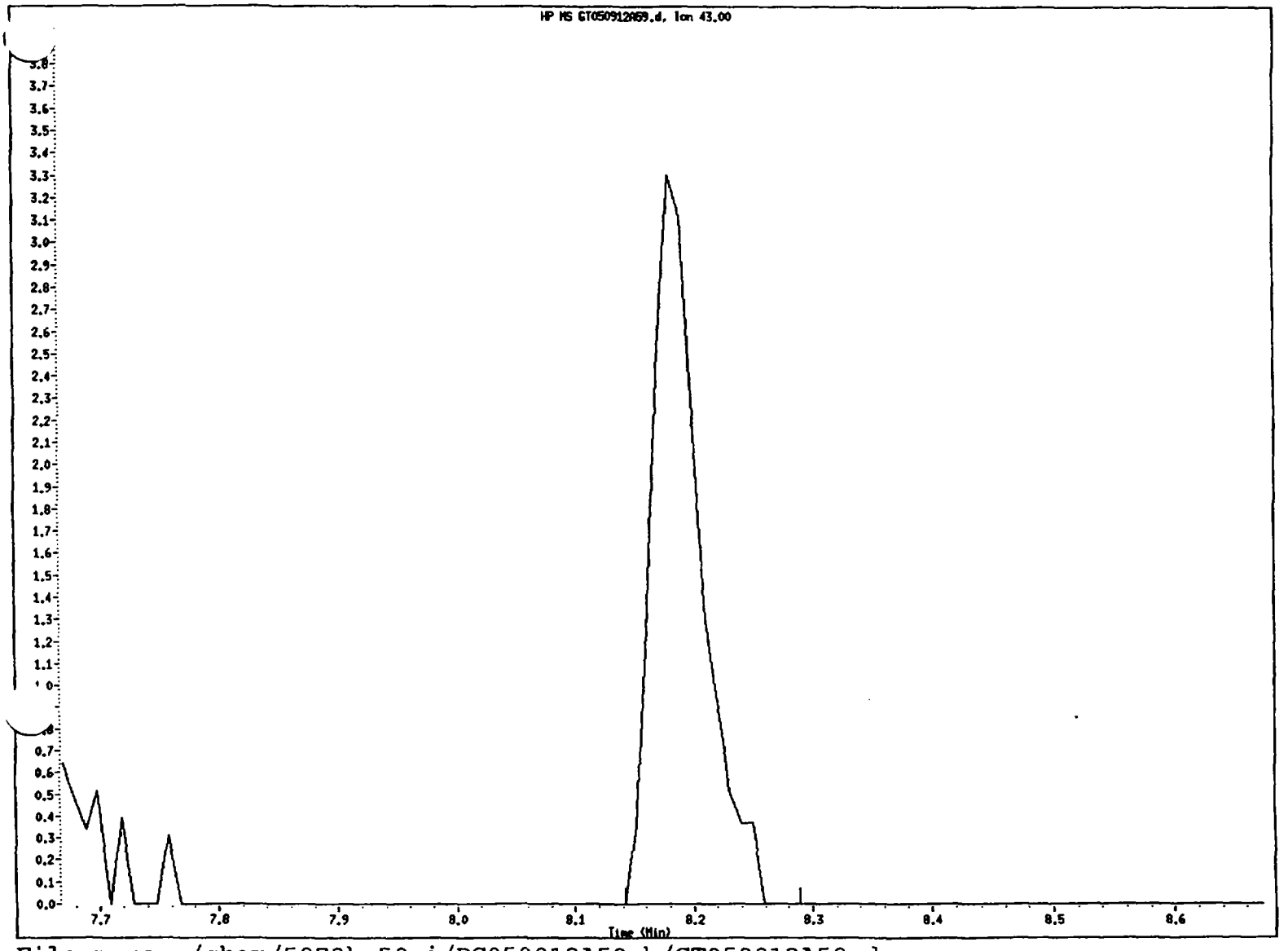
Cli[illegible]
In[illegible]5972hp59.i
In[illegible] and Time: 12-SEP-2005 15:49
Ret[illegible] Time= [illegible].98
Ope[illegible]

2-butanone CAS Number 78-93-3 Area = 9574 Manually integrated



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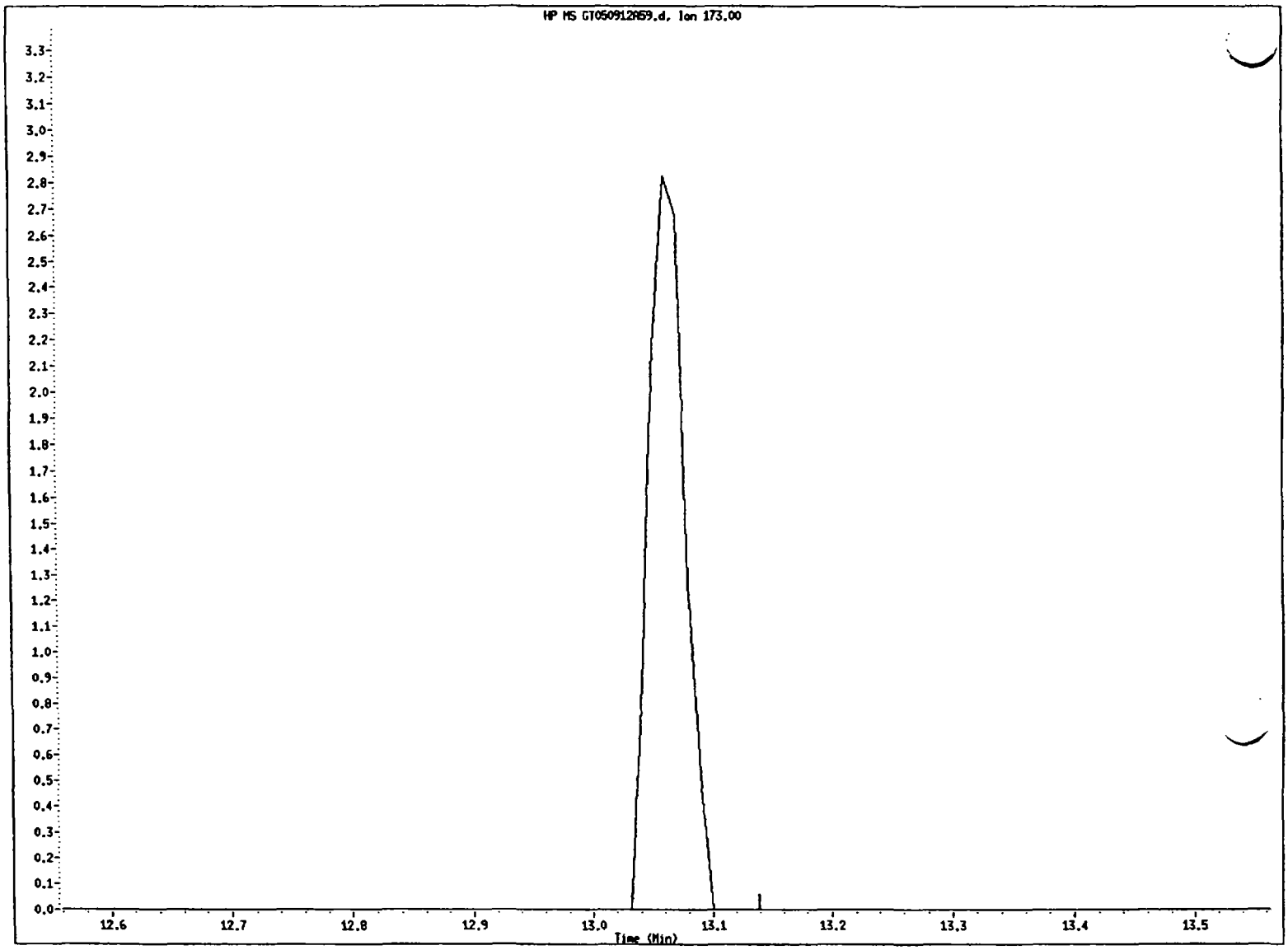
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 15:49
Retention Time: 8.18
Operator ID: 2473

Bromoform CAS Number 75-25-2 Area = 6102 Manually integrated



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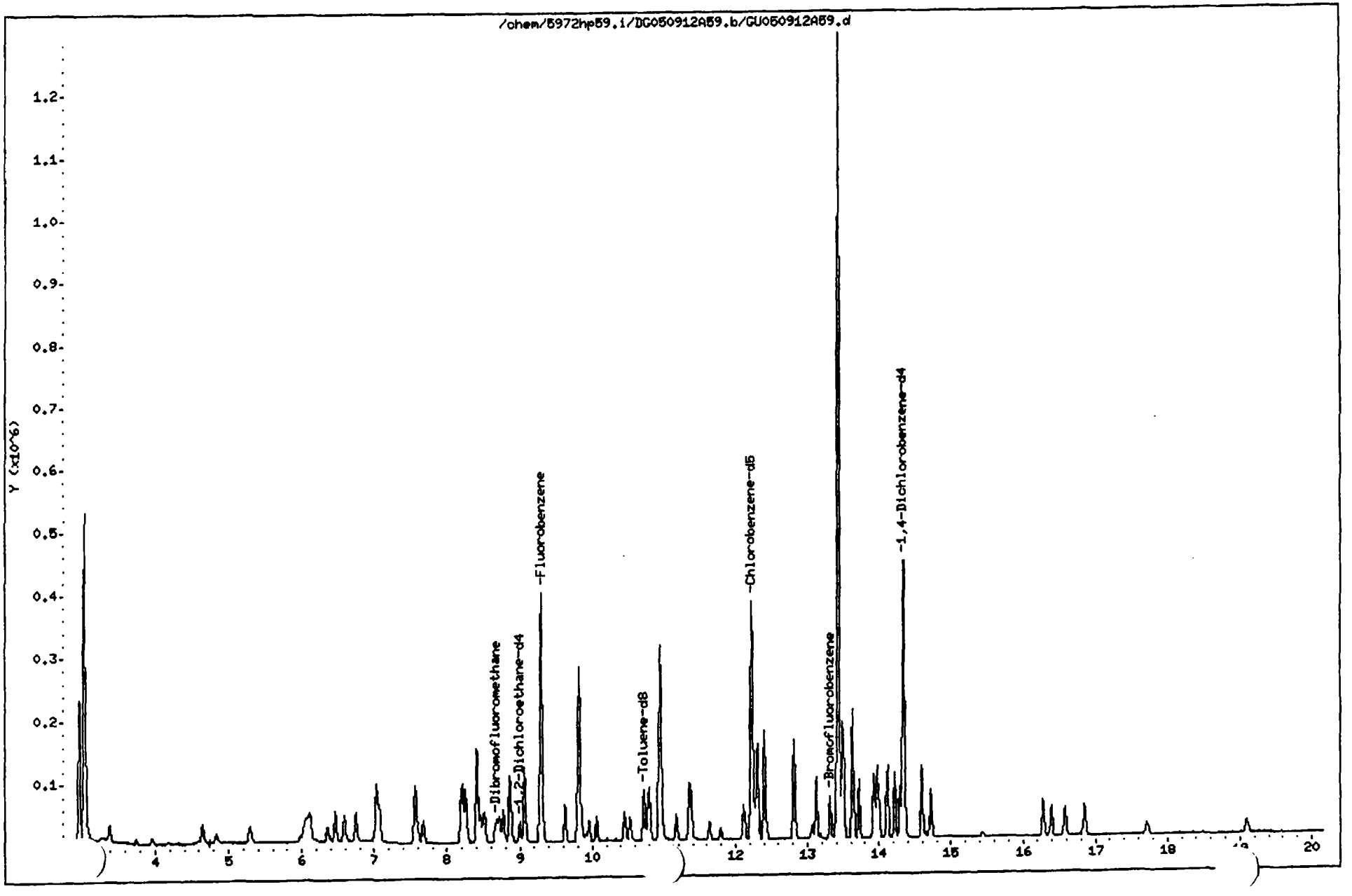
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 12-SEP-2005 15:49
Retention Time: 13.06
Operator ID: 2473

Data File: /chem/5972hp59.i/DC050912A59.b/CU050912A59.d
Date : 12-SEP-2005 16:16
Client ID: VSTD010
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data File : /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Lab Smp Id: VSTD010 — Client Smp ID: VSTD010
Inj Date : 1[illegible]-SEP-2005 16:16
Operator : [illegible] — Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma — Quant Type: ISTD
Cal Date : 1[illegible]-SEP-2005 16:16 — Cal File: GU050912A59.d
Als bottle: [illegible] — Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: all.sub
Target Version: 3.50

Compound 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

Compound	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* [illegible]	96	9.296	9.300	(1.000)	419055	250.000	
* [illegible]	117	12.227	12.222	(1.000)	271951	250.000	
* [illegible]	152	14.342	14.337	(1.000)	141859	250.000	
$ [illegible]	113	8.666	8.670	(0.932)	26944	50.0000	51
$ [illegible]	65	9.001	8.995	(0.968)	26445	50.0000	50
$ [illegible]	98	10.722	10.727	(0.877)	75655	50.0000	49
$ [illegible]	95	13.309	13.304	(0.928)	30798	50.0000	49
[illegible]methane	85	3.383	3.378	(0.364)	30508	50.0000	52
[illegible]	50	3.737	3.742	(0.402)	15145	50.0000	50
[illegible]	62	3.954	3.958	(0.425)	12875	50.0000	51
[illegible]	94	4.642	4.637	(0.499)	24216	50.0000	50
[illegible]	64	4.829	4.824	(0.520)	19002	50.0000	52
[illegible]methane	101	5.292	5.286	(0.569)	36290	50.0000	52
[illegible]	56	5.971	5.955	(0.642)	11260	500.000	460(M)
[illegible]	96	6.108	6.113	(0.657)	21734	50.0000	52
[illegible]2-trifluo	117	6.039	6.044	(0.650)	10585	50.0000	53

M2
9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.167	6.162	(0.663)	11227	125.000	120
18 Iodomethane	142	6.354	6.359	(0.684)	31470	50.0000	50
19 1,1,2-trichloro-1,2,2-trifluo	101	6.069	6.073	(0.653)	26642	50.0000	52
20 Carbon disulfide	76	6.462	6.467	(0.695)	83999	50.0000	53
21 3-Chloropropene	76	6.590	6.585	(0.709)	12315	50.0000	51
22 Acetonitrile	41	6.590	6.585	(0.709)	31420	50.0000	51
23 Methyl acetate	43	6.590	6.575	(0.709)	11355	50.0000	51
24 Methylene Chloride	84	6.748	6.742	(0.726)	26953	50.0000	52
25 Acrylonitrile	53	7.033	7.018	(0.757)	64081	500.000	500
26 trans-1,2-Dichloroethene	96	7.072	7.067	(0.761)	25069	50.0000	52
27 trans-1,2-DCE (part of total)	96	7.072	7.067	(0.761)	25069	50.0000	52
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.023	7.018	(0.756)	52103	50.0000	52
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.574	7.569	(0.815)	44706	50.0000	52
30 Chloroprene	53	7.672	7.677	(0.825)	29514	50.0000	51
31 Vinyl acetate	43	7.574	7.569	(0.815)	65305	50.0000	51
32 Isopropyl ether	45	7.564	7.569	(0.814)	70313	50.0000	51
33 cis-1,2-Dichloroethene	96	8.204	8.198	(0.883)	26022	50.0000	51
34 cis-1,2-DCE (part of total)	96	8.204	8.198	(0.883)	26022	50.0000	51
35 2,2-Dichloropropane	77	8.204	8.198	(0.883)	37310	50.0000	52
36 Propionitrile	54	8.253	8.247	(0.888)	109770	2500.00	2500
37 2-butanone	43	8.174	8.169	(0.879)	17861	125.000	120
Methacrylonitrile	41	8.400	8.395	(0.904)	95183	500.000	510
9 Bromochloromethane	128	8.459	8.464	(0.910)	11298	50.0000	52
40 Chloroform	83	8.509	8.503	(0.915)	45821	50.0000	52
41 1,1,1-Trichloroethane	97	8.715	8.710	(0.938)	35922	50.0000	52
42 Cyclohexane	56	8.774	8.769	(0.944)	32265	50.0000	53
43 1,1-dichloropropene	75	8.863	8.857	(0.953)	32871	50.0000	53
44 Carbon Tetrachloride	117	8.873	8.877	(0.954)	28642	50.0000	50
45 1,2-Dichloroethane	62	9.069	9.064	(0.976)	29820	50.0000	52
46 Isobutyl alcohol	43	8.853	8.848	(0.952)	28633	2500.00	2500
47 Benzene	78	9.069	9.064	(0.976)	90103	50.0000	52
48 Trichloroethene	130	9.630	9.625	(1.036)	23462	50.0000	52
49 Methylcyclohexane	83	9.797	9.802	(1.054)	31725	50.0000	55
50 1,2-Dichloropropane	63	9.827	9.831	(1.057)	23276	50.0000	53
51 Dibromomethane	174	9.965	9.959	(1.072)	13663	50.0000	51
52 1,4-dioxane	88	9.915	9.910	(1.067)	7994	2500.00	2400
53 Methylmethacrylate	69	9.827	9.821	(1.057)	124929	500.000	520
54 Bromodichloromethane	83	10.063	10.058	(1.083)	31820	50.0000	53
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.457	10.451	(1.125)	35949	50.0000	50
57 4-Methyl-2-pentanone	43	10.525	10.520	(0.861)	40116	125.000	120
58 Toluene	92	10.791	10.795	(0.883)	52822	50.0000	52
59 trans-1,3-Dichloropropene	75	10.968	10.963	(0.897)	32447	50.0000	52
60 1,1,2-Trichloroethane	97	11.175	11.169	(0.914)	17389	50.0000	52
61 Ethylmethacrylate	69	10.948	10.943	(0.895)	228427	500.000	510

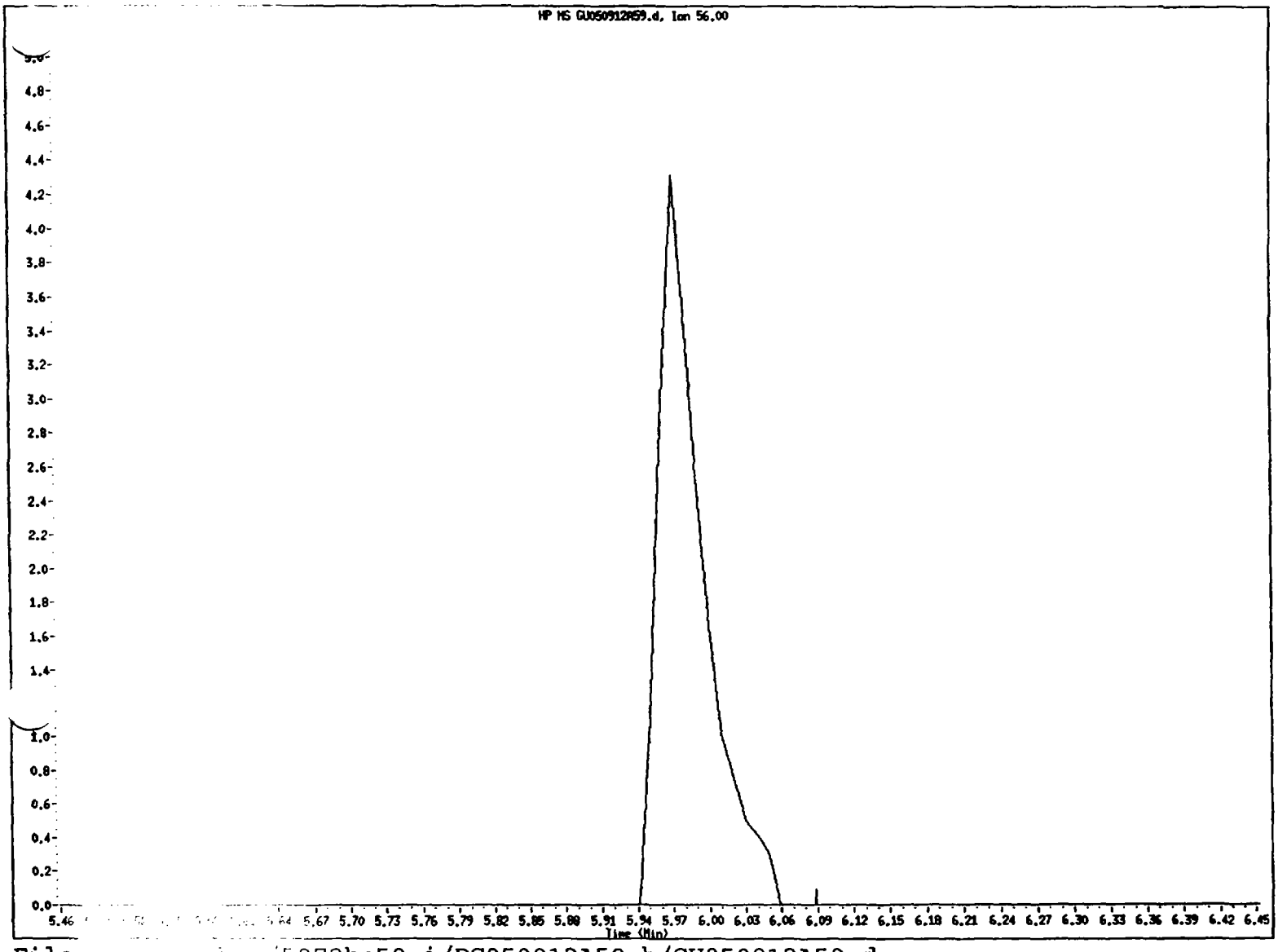
Data File: /chem/5972hp59.i/DG050912A59.b/GU050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	31398	50.0000	52
63 Tetrachloroethene	164	11.371	11.376	(0.930)	17050	50.0000	54
64 2-hexanone	43	11.352	11.336	(0.928)	26978	125.000	120
65 Dibromochloromethane	129	11.637	11.641	(0.952)	21143	50.0000	51
66 1,2-Dibromoethane	107	11.794	11.799	(0.965)	18409	50.0000	49
67 Chlorobenzene	112	12.257	12.251	(1.002)	54107	50.0000	52
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.306	12.301	(1.006)	19427	50.0000	51
70 Ethylbenzene	106	12.306	12.301	(1.006)	26935	50.0000	52
71 m,p-Xylene	106	12.404	12.409	(1.014)	68002	100.000	110
72 m,p-Xylene (part of total)	106	12.404	12.409	(1.014)	68002	100.000	110
73 o-Xylene	106	12.808	12.802	(1.047)	31865	50.0000	52
74 o-Xylene (part of total)	106	12.808	12.802	(1.047)	31865	50.0000	52
75 Styrene	104	12.818	12.812	(1.048)	53092	50.0000	52
76 Bromoform	173	13.064	13.058	(1.068)	13333	50.0000	52
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	83348	50.0000	53
79 1,1,2,2-Tetrachloroethane	83	13.388	13.383	(0.933)	27396	50.0000	51
80 1,2,3-Trichloropropane	110	13.457	13.452	(1.101)	5604	50.0000	50
81 Bromobenzene	156	13.496	13.491	(1.104)	21996	50.0000	52
83 n-Propyl Benzene	91	13.487	13.491	(0.940)	122541	50.0000	54
84 2-Chlorotoluene	126	13.624	13.629	(0.950)	20118	50.0000	52
85 4-Chlorotoluene	126	13.713	13.707	(0.956)	21022	50.0000	52
86 1,3,5-Trimethyl Benzene	105	13.624	13.619	(0.950)	69887	50.0000	53
87 Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.929	13.924	(0.971)	63774	50.0000	54
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.974)	73249	50.0000	53
90 sec-Butyl Benzene	105	14.116	14.111	(0.984)	96884	50.0000	55
91 1,3-Dichlorobenzene	146	14.293	14.288	(0.997)	41835	50.0000	51
92 p-Isopropyl Toluene	119	14.224	14.219	(0.992)	73442	50.0000	54
93 1,4-Dichlorobenzene	146	14.362	14.357	(1.001)	44790	50.0000	52
94 1,2-Dichlorobenzene	146	14.716	14.711	(1.026)	38933	50.0000	52
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.588	14.593	(1.017)	85067	50.0000	55
96 1,2-Dibromo-3-Chloropropane	157	15.444	15.439	(1.077)	3288	50.0000	48
97 1,2,4-Trichlorobenzene	180	16.271	16.275	(1.134)	26500	50.0000	52
98 Hexachlorobutadiene	225	16.389	16.393	(1.143)	13103	50.0000	55
99 Naphthalene	128	16.576	16.570	(1.156)	54751	50.0000	51
100 1,2,3-Trichlorobenzene	180	16.841	16.846	(1.174)	23613	50.0000	52
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				51091	100.000	100
M 102 Xylene (total)	106				99867	150.000	160

QC Flag Legend

M - Compound response manually integrated.

Acr[illegible] CAS Number 107-02-8 Area = 11260 Manually integrated



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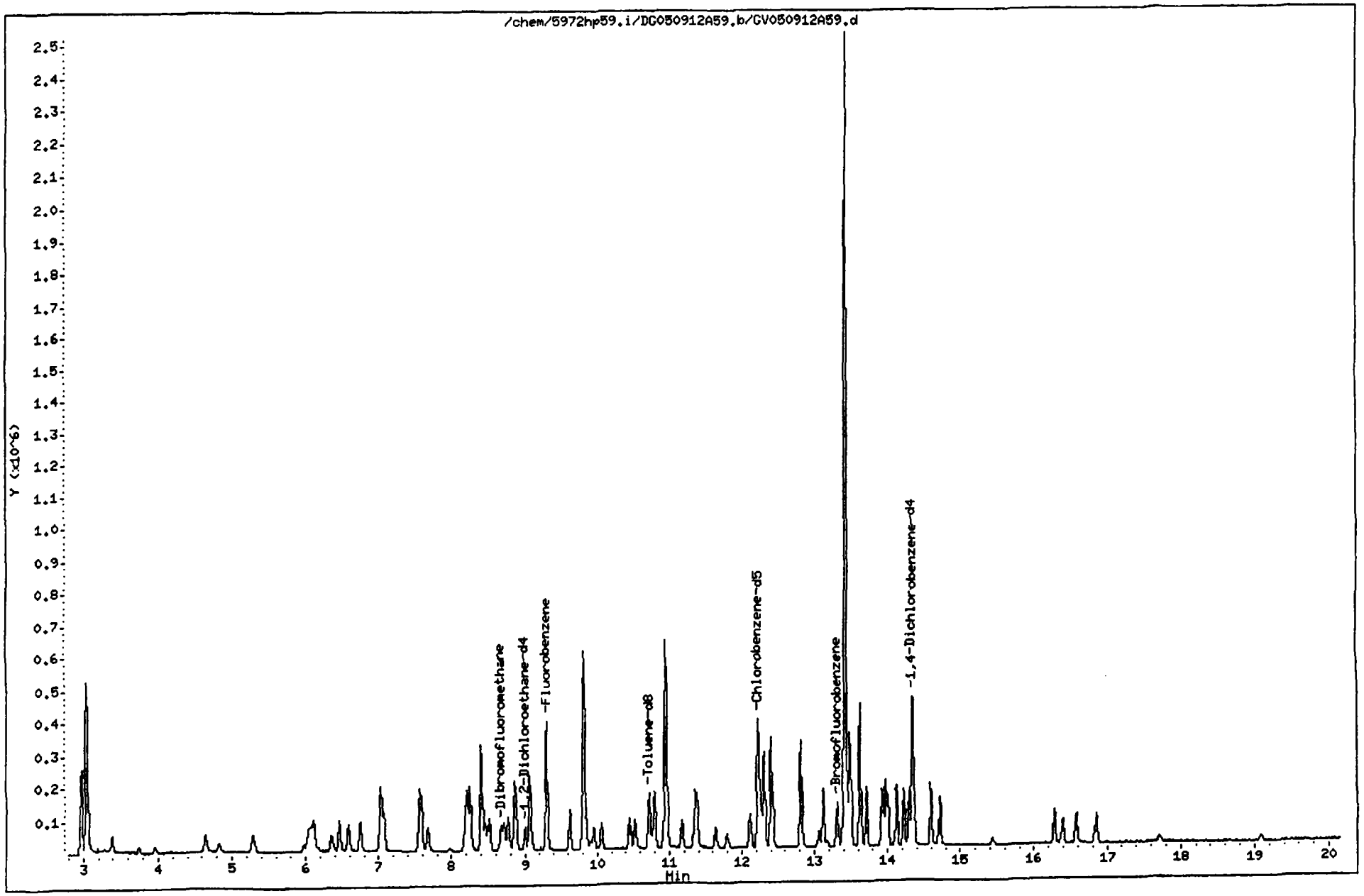
Clie[illegible]
Insti[illegible]5972hp59.i
Injec[illegible] and Time: 12-SEP-2005 16:16
Retent[illegible] 5.97
Operat[illegible]

Data File: /chem/5972hp59.i/DC050912A59.b/CV050912A59.d
Date : 12-SEP-2005 16:44
Client ID: VSTD020
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 12-SEP-2005 16:44
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 16:44 Cal File: GV050912A59.d
Als bottle: 8 Calibration Sample, Level: 3
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	9.297	9.300	(1.000)	423619	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.222	(1.000)	270331	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.337	(1.000)	136076	250.000	
$ 4 Dibromofluoromethane	113	8.667	8.670	(0.932)	52586	100.000	98
$ 5 1,2-Dichloroethane-d4	65	9.001	8.995	(0.968)	53072	100.000	99
$ 6 Toluene-d8	98	10.723	10.727	(0.877)	148538	100.000	98
$ 7 Bromofluorobenzene	95	13.310	13.304	(0.929)	60076	100.000	100
8 Dichlorodifluoromethane	85	3.384	3.378	(0.364)	57925	100.000	99
9 Chloromethane	50	3.738	3.742	(0.402)	28739	100.000	99
10 Vinyl Chloride	62	3.955	3.958	(0.425)	24855	100.000	97
11 Bromomethane	94	4.643	4.637	(0.499)	46328	100.000	99
12 Chloroethane	64	4.840	4.824	(0.521)	35054	100.000	99
13 Trichlorofluoromethane	101	5.293	5.286	(0.569)	67955	100.000	97
14 Acrolein	56	5.971	5.955	(0.642)	24469	1000.00	990
15 1,1-Dichloroethene	96	6.109	6.113	(0.657)	41974	100.000	99
16 1,1,1-trichloro-2,2,2-trifluo	117	6.030	6.044	(0.649)	21099	100.000	100

MZ 9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

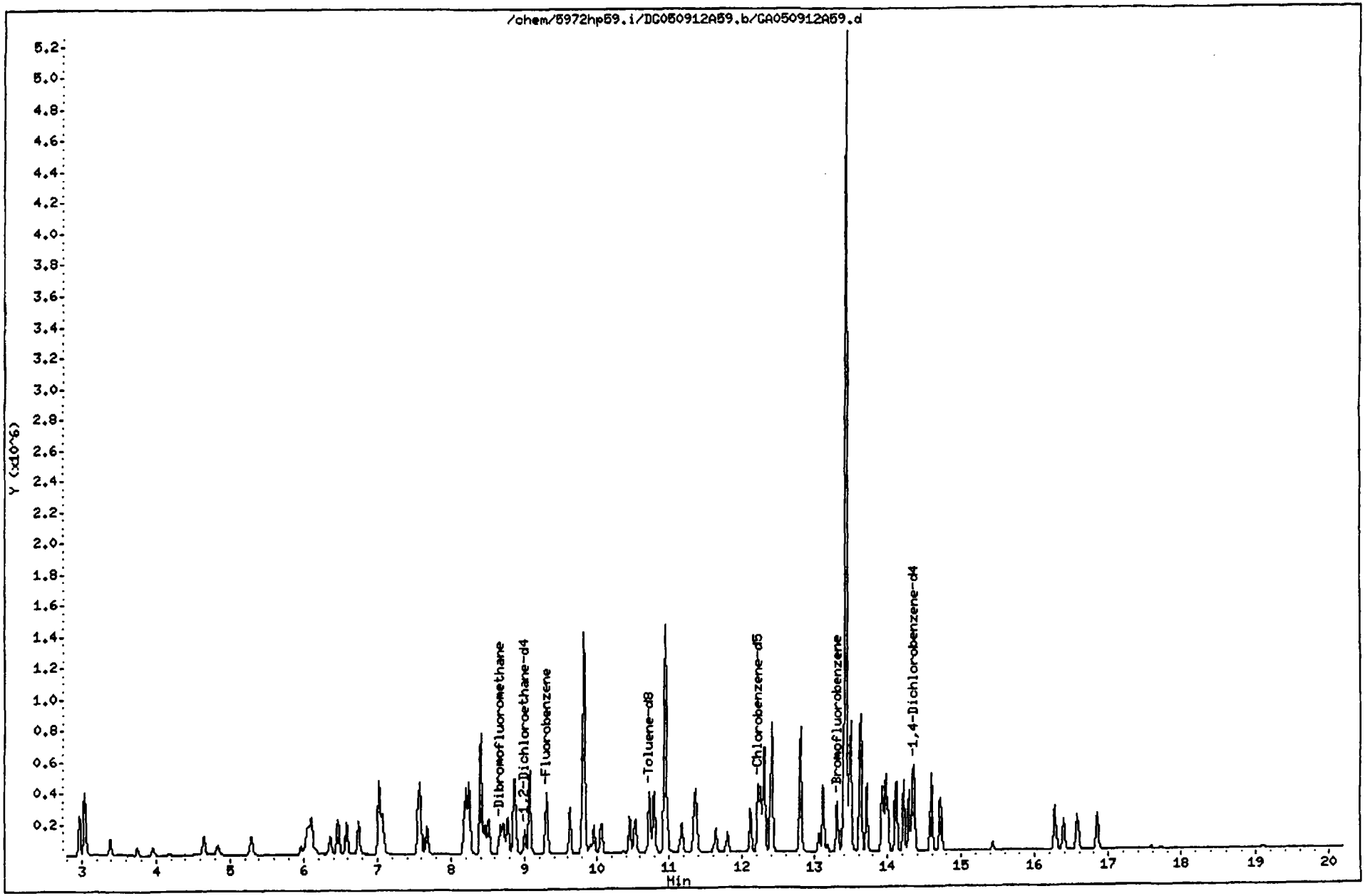
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.168	6.162	(0.663)	24781	250.000	260
18 Iodomethane	142	6.355	6.359	(0.684)	67102	100.000	100
19 1,1,2-trichloro-1,2,2-trifluo	101	6.070	6.073	(0.653)	53315	100.000	100
20 Carbon disulfide	76	6.463	6.467	(0.695)	165388	100.000	100
21 3-Chloropropene	76	6.591	6.585	(0.709)	24574	100.000	100
22 Acetonitrile	41	6.581	6.585	(0.708)	60086	100.000	97
23 Methyl acetate	43	6.581	6.575	(0.708)	25222	100.000	110
24 Methylene Chloride	84	6.749	6.742	(0.726)	53247	100.000	100
25 Acrylonitrile	53	7.024	7.018	(0.756)	135494	1000.00	1000
26 trans-1,2-Dichloroethene	96	7.073	7.067	(0.761)	49797	100.000	100
27 trans-1,2-DCE (part of total)	96	7.073	7.067	(0.761)	49797	100.000	100
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.024	7.018	(0.756)	107539	100.000	100
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.575	7.569	(0.815)	88905	100.000	100
30 Chloroprene	53	7.673	7.677	(0.825)	59014	100.000	100
31 Vinyl acetate	43	7.575	7.569	(0.815)	134205	100.000	100
32 Isopropyl ether	45	7.565	7.569	(0.814)	143551	100.000	100
33 cis-1,2-Dichloroethene	96	8.205	8.198	(0.883)	52071	100.000	100
34 cis-1,2-DCE (part of total)	96	8.205	8.198	(0.883)	52071	100.000	100
35 2,2-Dichloropropane	77	8.205	8.198	(0.883)	68490	100.000	95
36 Propionitrile	54	8.244	8.247	(0.887)	231490	5000.00	5200
37 2-butanone	43	8.175	8.169	(0.879)	38965	250.000	260
38 Methacrylonitrile	41	8.401	8.395	(0.904)	195342	1000.00	1000
39 Bromochloromethane	128	8.460	8.464	(0.910)	22861	100.000	100
40 Chloroform	83	8.509	8.503	(0.915)	92417	100.000	100
41 1,1,1-Trichloroethane	97	8.706	8.710	(0.936)	70718	100.000	100
42 Cyclohexane	56	8.775	8.769	(0.944)	63249	100.000	100
43 1,1-dichloropropene	75	8.864	8.857	(0.953)	63389	100.000	100
44 Carbon Tetrachloride	117	8.874	8.877	(0.954)	59120	100.000	100
45 1,2-Dichloroethane	62	9.070	9.064	(0.976)	60251	100.000	100
46 Isobutyl alcohol	43	8.854	8.848	(0.952)	66366	5000.00	5600
47 Benzene	78	9.070	9.064	(0.976)	178859	100.000	100
48 Trichloroethene	130	9.621	9.625	(1.035)	44920	100.000	99
49 Methylcyclohexane	83	9.798	9.802	(1.054)	56608	100.000	98
50 1,2-Dichloropropane	63	9.828	9.831	(1.057)	46169	100.000	100
51 Dibromomethane	174	9.956	9.959	(1.071)	28115	100.000	100
52 1,4-dioxane	88	9.916	9.910	(1.067)	17871	5000.00	5300
53 Methylmethacrylate	69	9.818	9.821	(1.056)	254551	1000.00	1000
54 Bromodichloromethane	83	10.064	10.058	(1.083)	64629	100.000	100
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.448	10.451	(1.124)	73527	100.000	100
57 4-Methyl-2-pentanone	43	10.526	10.520	(0.861)	88148	250.000	270
58 Toluene	92	10.792	10.795	(0.883)	105962	100.000	100
59 trans-1,3-Dichloropropene	75	10.959	10.963	(0.896)	64261	100.000	100
60 1,1,2-Trichloroethane	97	11.176	11.169	(0.914)	35252	100.000	100
61 Ethylmethacrylate	69	10.949	10.943	(0.895)	470673	1000.00	1000

Data File: /chem/5972hp59.i/DG050912A59.b/GV050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	64873	100.000	110
63 Tetrachloroethene	164	11.372	11.376	(0.930)	30945	100.000	99
64 2-hexanone	43	11.343	11.336	(0.928)	58764	250.000	270
65 Dibromochloromethane	129	11.638	11.641	(0.952)	44127	100.000	110
66 1,2-Dibromoethane	107	11.795	11.799	(0.965)	38421	100.000	100
67 Chlorobenzene	112	12.258	12.251	(1.002)	106116	100.000	100
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.307	12.301	(1.006)	39376	100.000	100
70 Ethylbenzene	106	12.307	12.301	(1.006)	52018	100.000	100
71 m,p-Xylene	106	12.405	12.409	(1.014)	126171	200.000	200
72 m,p-Xylene (part of total)	106	12.405	12.409	(1.014)	126171	200.000	200
73 o-Xylene	106	12.809	12.802	(1.047)	61678	100.000	100
74 o-Xylene (part of total)	106	12.809	12.802	(1.047)	61678	100.000	100
75 Styrene	104	12.818	12.812	(1.048)	107529	100.000	100
76 Bromoform	173	13.064	13.058	(1.068)	27309	100.000	110
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	150275	100.000	98
79 1,1,2,2-Tetrachloroethane	83	13.389	13.383	(0.934)	56608	100.000	110
80 1,2,3-Trichloropropane	110	13.458	13.452	(1.101)	12168	100.000	110
81 Bromobenzene	156	13.487	13.491	(1.103)	44557	100.000	100
83 n-Propyl Benzene	91	13.487	13.491	(0.941)	207183	100.000	96
84 2-Chlorotoluene	126	13.625	13.629	(0.951)	38695	100.000	100
85 4-Chlorotoluene	126	13.714	13.707	(0.957)	40180	100.000	100
1,3,5-Trimethyl Benzene	105	13.625	13.619	(0.951)	130043	100.000	100
Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.930	13.924	(0.972)	102494	100.000	92
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.975)	130518	100.000	100
90 sec-Butyl Benzene	105	14.117	14.111	(0.985)	159976	100.000	95
91 1,3-Dichlorobenzene	146	14.284	14.288	(0.997)	77728	100.000	100
92 p-Isopropyl Toluene	119	14.215	14.219	(0.992)	118786	100.000	93
93 1,4-Dichlorobenzene	146	14.363	14.357	(1.002)	80950	100.000	99
94 1,2-Dichlorobenzene	146	14.717	14.711	(1.027)	72544	100.000	100
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.589	14.593	(1.018)	132991	100.000	91
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.439	(1.077)	7684	100.000	110
97 1,2,4-Trichlorobenzene	180	16.272	16.275	(1.135)	44204	100.000	94
98 Hexachlorobutadiene	225	16.390	16.393	(1.143)	21234	100.000	94
99 Naphthalene	128	16.576	16.570	(1.156)	106172	100.000	100
100 1,2,3-Trichlorobenzene	180	16.842	16.846	(1.175)	41369	100.000	97
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				101868	200.000	200
M 102 Xylene (total)	106				187849	300.000	300

Data File: /chem/5972hp59.i/DC050912A59.b/CA050912A59.d
Date : 12-SEP-2005 19:28
Client ID: VSTD050
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 12-SEP-2005 19:28
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 19:28 Cal File: GA050912A59.d
Als bottle: 12 Calibration Sample, Level: 4
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	9.297	9.300	(1.000)	413929	250.000	
* 2 Chlorobenzene-d5	117	12.229	12.222	(1.000)	266960	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.334	14.337	(1.000)	134217	250.000	
$ 4 Dibromofluoromethane	113	8.668	8.670	(0.932)	122779	250.000	250
$ 5 1,2-Dichloroethane-d4	65	9.002	8.995	(0.968)	119317	250.000	250
$ 6 Toluene-d8	98	10.724	10.727	(0.877)	347164	250.000	250
$ 7 Bromofluorobenzene	95	13.311	13.304	(0.929)	144177	250.000	250
8 Dichlorodifluoromethane	85	3.385	3.378	(0.364)	131252	250.000	250
9 Chloromethane	50	3.739	3.742	(0.402)	67659	250.000	250
10 Vinyl Chloride	62	3.955	3.958	(0.425)	61419	250.000	250
11 Bromomethane	94	4.644	4.637	(0.499)	120776	250.000	250
12 Chloroethane	64	4.831	4.824	(0.520)	85674	250.000	250
13 Trichlorofluoromethane	101	5.293	5.286	(0.569)	161068	250.000	250
14 Acrolein	56	5.962	5.955	(0.641)	65777	2500.00	2500
15 1,1-Dichloroethene	96	6.110	6.113	(0.657)	101188	250.000	250
16 1,1,1-trichloro-2,2,2-trifluo	117	6.041	6.044	(0.650)	48444	250.000	250

MC
9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

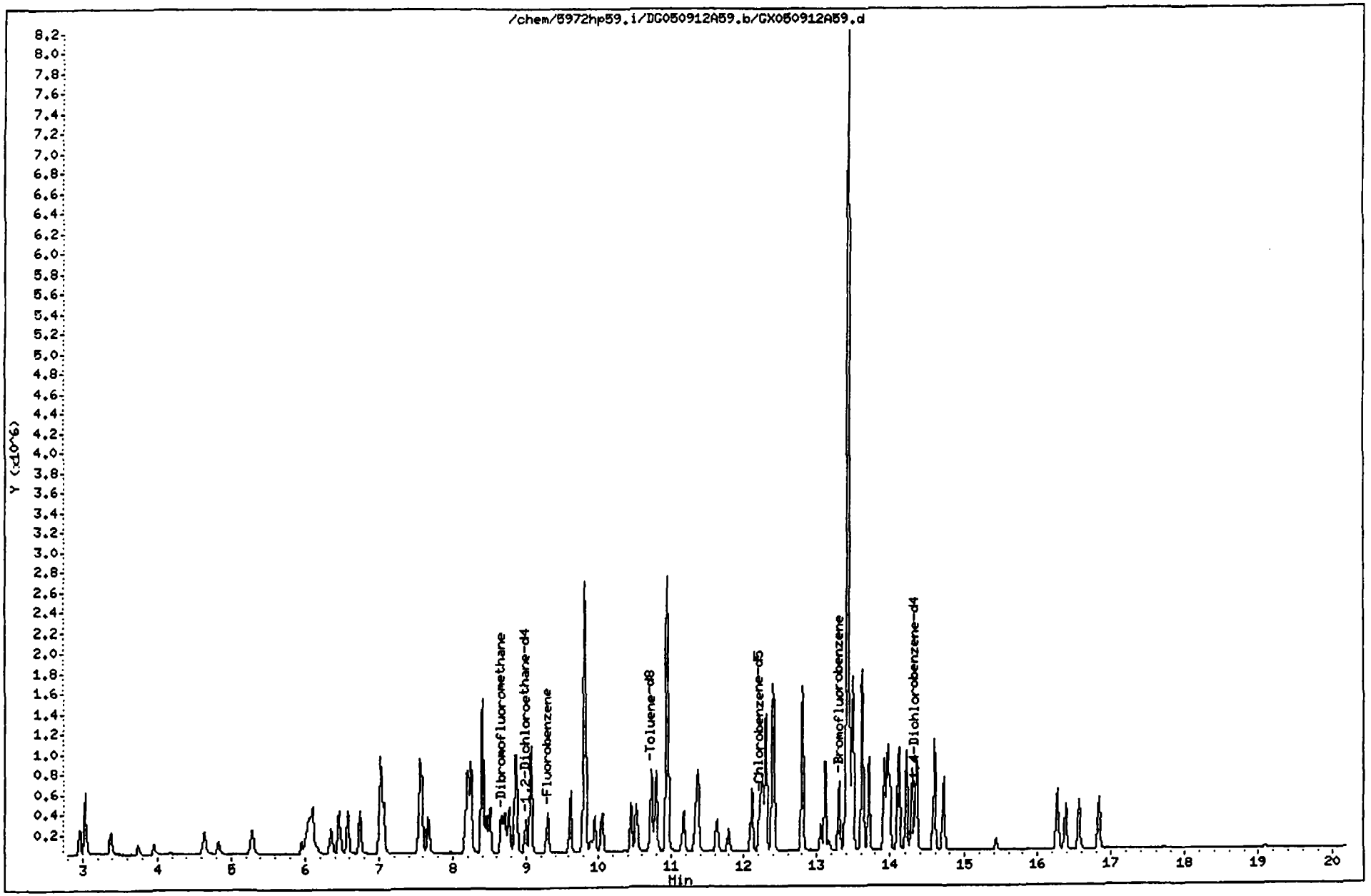
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.169	6.162	(0.664)	55742	625.000	630
18 Iodomethane	142	6.356	6.359	(0.684)	170109	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.070	6.073	(0.653)	121717	250.000	250
20 Carbon disulfide	76	6.464	6.467	(0.695)	386764	250.000	250
21 3-Chloropropene	76	6.582	6.585	(0.708)	60456	250.000	250
22 Acetonitrile	41	6.582	6.585	(0.708)	149209	250.000	250
23 Methyl acetate	43	6.582	6.575	(0.708)	60029	250.000	250
24 Methylene Chloride	84	6.749	6.742	(0.726)	122460	250.000	250
25 Acrylonitrile	53	7.025	7.018	(0.756)	309818	2500.00	2500
26 trans-1,2-Dichloroethene	96	7.074	7.067	(0.761)	113877	250.000	250
27 trans-1,2-DCE (part of total)	96	7.074	7.067	(0.761)	113877	250.000	250
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.025	7.018	(0.756)	245768	250.000	250
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.576	7.569	(0.815)	204672	250.000	250
30 Chloroprene	53	7.674	7.677	(0.825)	146115	250.000	250
31 Vinyl acetate	43	7.566	7.569	(0.814)	320353	250.000	250
32 Isopropyl ether	45	7.566	7.569	(0.814)	341825	250.000	250
33 cis-1,2-Dichloroethene	96	8.205	8.198	(0.883)	120080	250.000	250
34 cis-1,2-DCE (part of total)	96	8.205	8.198	(0.883)	120080	250.000	250
35 2,2-Dichloropropane	77	8.205	8.198	(0.883)	173549	250.000	250
36 Propionitrile	54	8.245	8.247	(0.887)	533954	12500.0	13000
37 2-butanone	43	8.166	8.169	(0.878)	94770	625.000	630
38 Methacrylonitrile	41	8.402	8.395	(0.904)	451971	2500.00	2500
39 Bromochloromethane	128	8.461	8.464	(0.910)	52434	250.000	250
40 Chloroform	83	8.510	8.503	(0.915)	209264	250.000	250
41 1,1,1-Trichloroethane	97	8.707	8.710	(0.936)	164167	250.000	250
42 Cyclohexane	56	8.776	8.769	(0.944)	144497	250.000	250
43 1,1-dichloropropene	75	8.864	8.857	(0.953)	145126	250.000	250
44 Carbon Tetrachloride	117	8.874	8.877	(0.954)	133825	250.000	250
45 1,2-Dichloroethane	62	9.071	9.064	(0.976)	139859	250.000	250
46 Isobutyl alcohol	43	8.845	8.848	(0.951)	149979	12500.0	13000
47 Benzene	78	9.071	9.064	(0.976)	408092	250.000	250
48 Trichloroethene	130	9.622	9.625	(1.035)	105596	250.000	250
49 Methylcyclohexane	83	9.799	9.802	(1.054)	131950	250.000	250
50 1,2-Dichloropropane	63	9.828	9.831	(1.057)	101809	250.000	250
51 Dibromomethane	174	9.956	9.959	(1.071)	65026	250.000	250
52 1,4-dioxane	88	9.907	9.910	(1.066)	43099	12500.0	13000
53 Methylmethacrylate	69	9.819	9.821	(1.056)	578624	2500.00	2500
54 Bromodichloromethane	83	10.055	10.058	(1.081)	147948	250.000	250
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.448	10.451	(1.124)	179395	250.000	250
57 4-Methyl-2-pentanone	43	10.527	10.520	(0.861)	205609	625.000	630
58 Toluene	92	10.793	10.795	(0.883)	237582	250.000	250
59 trans-1,3-Dichloropropene	75	10.960	10.963	(0.896)	147922	250.000	250
60 1,1,2-Trichloroethane	97	11.176	11.169	(0.914)	82195	250.000	250
61 Ethylmethacrylate	69	10.940	10.943	(0.895)	1077377	2500.00	2500

Data File: /chem/5972hp59.i/DG050912A59.b/GA050912A59.d
Report Date: 14-Sep-2005 03:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.363	11.356	(0.929)	146384	250.000	250
63 Tetrachloroethene	164	11.373	11.376	(0.930)	71077	250.000	250
64 2-hexanone	43	11.334	11.336	(0.927)	140620	625.000	630
65 Dibromochloromethane	129	11.639	11.641	(0.952)	104153	250.000	250
66 1,2-Dibromoethane	107	11.796	11.799	(0.965)	95261	250.000	250
67 Chlorobenzene	112	12.258	12.251	(1.002)	245347	250.000	250
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.308	12.301	(1.006)	90581	250.000	250
70 Ethylbenzene	106	12.308	12.301	(1.006)	118371	250.000	250
71 m,p-Xylene	106	12.406	12.409	(1.014)	293772	500.000	500
72 m,p-Xylene (part of total)	106	12.406	12.409	(1.014)	293772	500.000	500
73 o-Xylene	106	12.809	12.802	(1.047)	143410	250.000	250
74 o-Xylene (part of total)	106	12.809	12.802	(1.047)	143410	250.000	250
75 Styrene	104	12.809	12.812	(1.047)	249401	250.000	250
76 Bromoform	173	13.055	13.058	(1.068)	64650	250.000	250
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.114	13.117	(1.072)	358700	250.000	250
79 1,1,2,2-Tetrachloroethane	83	13.380	13.383	(0.933)	127778	250.000	250
80 1,2,3-Trichloropropane	110	13.459	13.452	(1.101)	27279	250.000	250
81 Bromobenzene	156	13.488	13.491	(1.103)	99508	250.000	250
83 n-Propyl Benzene	91	13.488	13.491	(0.941)	505050	250.000	250
84 2-Chlorotoluene	126	13.626	13.629	(0.951)	91193	250.000	250
85 4-Chlorotoluene	126	13.714	13.707	(0.957)	94537	250.000	250
1,3,5-Trimethyl Benzene	105	13.626	13.619	(0.951)	303478	250.000	250
Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.931	13.924	(0.972)	268059	250.000	250
89 1,2,4-Trimethyl Benzene	105	13.970	13.963	(0.975)	312208	250.000	250
90 sec-Butyl Benzene	105	14.118	14.111	(0.985)	394748	250.000	250
91 1,3-Dichlorobenzene	146	14.285	14.288	(0.997)	184696	250.000	250
92 p-Isopropyl Toluene	119	14.216	14.219	(0.992)	303420	250.000	250
93 1,4-Dichlorobenzene	146	14.364	14.357	(1.002)	191650	250.000	250
94 1,2-Dichlorobenzene	146	14.718	14.711	(1.027)	170846	250.000	250
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.590	14.593	(1.018)	352193	250.000	250
96 1,2-Dibromo-3-Chloropropane	157	15.436	15.439	(1.077)	17126	250.000	250
97 1,2,4-Trichlorobenzene	180	16.272	16.275	(1.135)	116912	250.000	250
98 Hexachlorobutadiene	225	16.390	16.393	(1.143)	54189	250.000	250
99 Naphthalene	128	16.577	16.570	(1.156)	251249	250.000	250
100 1,2,3-Trichlorobenzene	180	16.843	16.846	(1.175)	105031	250.000	250
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				233957	500.000	500
M 102 Xylene (total)	106				437182	750.000	750

Data File: /chem/5972hp59.i/DC050912A59.b/CX050912A59.d
Date : 12-SEP-2005 17:39
Client ID: VSTD100
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 12-SEP-2005 17:39
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 17:39 Cal File: GX050912A59.d
Als bottle: 10 Calibration Sample, Level: 5
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	9.296	9.300	(1.000)	417613	250.000	
* 2 Chlorobenzene-d5	117	12.228	12.222	(1.000)	272686	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.337	(1.000)	138593	250.000	
$ 4 Dibromofluoromethane	113	8.667	8.670	(0.932)	252441	500.000	480
$ 5 1,2-Dichloroethane-d4	65	9.001	8.995	(0.968)	251759	500.000	480
$ 6 Toluene-d8	98	10.723	10.727	(0.877)	722887	500.000	480
$ 7 Bromofluorobenzene	95	13.310	13.304	(0.929)	298690	500.000	490
8 Dichlorodifluoromethane	85	3.384	3.378	(0.364)	272725	500.000	480
9 Chloromethane	50	3.738	3.742	(0.402)	137274	500.000	500
10 Vinyl Chloride	62	3.954	3.958	(0.425)	125083	500.000	500
11 Bromomethane	94	4.643	4.637	(0.499)	218228	500.000	500
12 Chloroethane	64	4.830	4.824	(0.520)	173649	500.000	500(A)
13 Trichlorofluoromethane	101	5.292	5.286	(0.569)	332294	500.000	480
14 Acrolein	56	5.961	5.955	(0.641)	142131	5000.00	5700
15 1,1-Dichloroethene	96	6.109	6.113	(0.657)	202309	500.000	490
16 1,1,1-trichloro-2,2,2-trifluo	117	6.040	6.044	(0.650)	95898	500.000	480

MZ 9.14.05

Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.158	6.162	(0.662)	122033	1250.00	1300
18 Iodomethane	142	6.355	6.359	(0.684)	365190	500.000	560(A)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.069	6.073	(0.653)	242137	500.000	480
20 Carbon disulfide	76	6.463	6.467	(0.695)	786248	500.000	500
21 3-Chloropropene	76	6.581	6.585	(0.708)	124450	500.000	510
22 Acetonitrile	41	6.581	6.585	(0.708)	301427	500.000	490
23 Methyl acetate	43	6.571	6.575	(0.707)	122470	500.000	530
24 Methylene Chloride	84	6.748	6.742	(0.726)	251036	500.000	490
25 Acrylonitrile	53	7.024	7.018	(0.756)	638655	5000.00	5000
26 trans-1,2-Dichloroethene	96	7.073	7.067	(0.761)	230701	500.000	480
27 trans-1,2-DCE (part of total)	96	7.073	7.067	(0.761)	230701	500.000	480
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.024	7.018	(0.756)	515474	500.000	510
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.575	7.569	(0.815)	403911	500.000	480
30 Chloroprene	53	7.673	7.677	(0.825)	302290	500.000	520
31 Vinyl acetate	43	7.565	7.569	(0.814)	654312	500.000	510
32 Isopropyl ether	45	7.565	7.569	(0.814)	680758	500.000	490
33 cis-1,2-Dichloroethene	96	8.204	8.198	(0.883)	240174	500.000	480
34 cis-1,2-DCE (part of total)	96	8.204	8.198	(0.883)	240174	500.000	480
35 2,2-Dichloropropane	77	8.194	8.198	(0.881)	335865	500.000	480
36 Propionitrile	54	8.244	8.247	(0.887)	1073350	25000.0	25000
37 2-butanone	43	8.165	8.169	(0.878)	204546	1250.00	1300
38 Methacrylonitrile	41	8.401	8.395	(0.904)	907610	5000.00	4900
39 Bromochloromethane	128	8.460	8.464	(0.910)	107299	500.000	490
40 Chloroform	83	8.509	8.503	(0.915)	430253	500.000	490
41 1,1,1-Trichloroethane	97	8.716	8.710	(0.938)	336874	500.000	490
42 Cyclohexane	56	8.775	8.769	(0.944)	288929	500.000	480
43 1,1-dichloropropene	75	8.863	8.857	(0.953)	289645	500.000	470
44 Carbon Tetrachloride	117	8.873	8.877	(0.954)	273490	500.000	480
45 1,2-Dichloroethane	62	9.070	9.064	(0.976)	285559	500.000	500
46 Isobutyl alcohol	43	8.854	8.848	(0.952)	320788	25000.0	27000
47 Benzene	78	9.070	9.064	(0.976)	806450	500.000	470
48 Trichloroethene	130	9.621	9.625	(1.035)	216902	500.000	490
49 Methylcyclohexane	83	9.798	9.802	(1.054)	262347	500.000	470
50 1,2-Dichloropropane	63	9.827	9.831	(1.057)	189067	500.000	440
51 Dibromomethane	174	9.955	9.959	(1.071)	133042	500.000	490
52 1,4-dioxane	88	9.906	9.910	(1.066)	89822	25000.0	27000
53 Methylmethacrylate	69	9.818	9.821	(1.056)	1130957	5000.00	4700
54 Bromodichloromethane	83	10.064	10.058	(1.083)	311196	500.000	510
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.447	10.451	(1.124)	369760	500.000	510
57 4-Methyl-2-pentanone	43	10.526	10.520	(0.861)	446138	1250.00	1300
58 Toluene	92	10.792	10.795	(0.883)	483824	500.000	470
59 trans-1,3-Dichloropropene	75	10.959	10.963	(0.896)	293910	500.000	470
60 1,1,2-Trichloroethane	97	11.175	11.169	(0.914)	172017	500.000	500
61 Ethylmethacrylate	69	10.939	10.943	(0.895)	2062650	5000.00	4600

Data File: /chem/5972hp59.i/DG050912A59.b/GX050912A59.d
Report Date: 14-Sep-2005 03:40

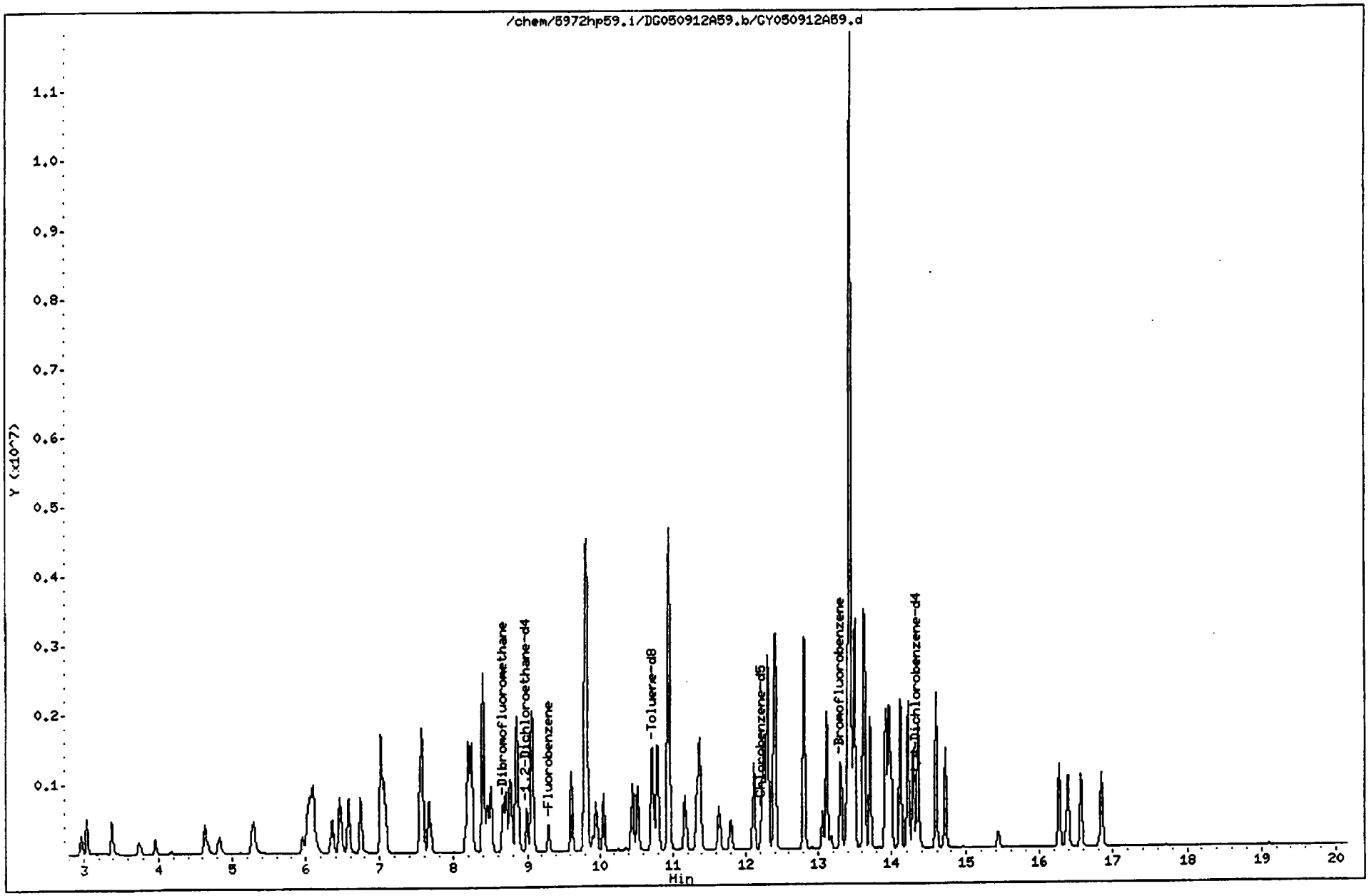
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.362	11.356	(0.929)	302577	500.000	490
63 Tetrachloroethene	164	11.372	11.376	(0.930)	150136	500.000	480
64 2-hexanone	43	11.333	11.336	(0.927)	315958	1250.00	1400
65 Dibromochloromethane	129	11.638	11.641	(0.952)	223502	500.000	520
66 1,2-Dibromoethane	107	11.795	11.799	(0.965)	191338	500.000	510
67 Chlorobenzene	112	12.257	12.251	(1.002)	498869	500.000	480
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.307	12.301	(1.006)	186591	500.000	490
70 Ethylbenzene	106	12.307	12.301	(1.006)	244478	500.000	480
71 m,p-Xylene	106	12.405	12.409	(1.014)	605882	1000.00	960
72 m,p-Xylene (part of total)	106	12.405	12.409	(1.014)	605882	1000.00	960
73 o-Xylene	106	12.808	12.802	(1.047)	293564	500.000	480
74 o-Xylene (part of total)	106	12.808	12.802	(1.047)	293564	500.000	480
75 Styrene	104	12.808	12.812	(1.047)	512360	500.000	500
76 Bromoform	173	13.054	13.058	(1.068)	142967	500.000	540
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.123	13.117	(1.073)	763992	500.000	490
79 1,1,2,2-Tetrachloroethane	83	13.389	13.383	(0.934)	260464	500.000	490
80 1,2,3-Trichloropropane	110	13.458	13.452	(1.101)	56114	500.000	490
81 Bromobenzene	156	13.487	13.491	(1.103)	206792	500.000	480
83 n-Propyl Benzene	91	13.487	13.491	(0.941)	1049543	500.000	480
84 2-Chlorotoluene	126	13.625	13.629	(0.951)	186064	500.000	490
85 4-Chlorotoluene	126	13.713	13.707	(0.957)	197940	500.000	500
1,3,5-Trimethyl Benzene	105	13.625	13.619	(0.951)	638559	500.000	490
Pentachloroethane	167	Compound Not Detected.					
88 tert-Butyl Benzene	119	13.930	13.924	(0.972)	582566	500.000	510
89 1,2,4-Trimethyl Benzene	105	13.969	13.963	(0.975)	669381	500.000	500
90 sec-Butyl Benzene	105	14.117	14.111	(0.985)	866116	500.000	510
91 1,3-Dichlorobenzene	146	14.284	14.288	(0.997)	389039	500.000	490
92 p-Isopropyl Toluene	119	14.215	14.219	(0.992)	670869	500.000	510
93 1,4-Dichlorobenzene	146	14.363	14.357	(1.002)	402054	500.000	490
94 1,2-Dichlorobenzene	146	14.717	14.711	(1.027)	361033	500.000	490
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.589	14.593	(1.018)	771397	500.000	520
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.439	(1.077)	40092	500.000	560
97 1,2,4-Trichlorobenzene	180	16.271	16.275	(1.135)	258688	500.000	510
98 Hexachlorobutadiene	225	16.389	16.393	(1.143)	123128	500.000	530
99 Naphthalene	128	16.576	16.570	(1.156)	572066	500.000	510
100 1,2,3-Trichlorobenzene	180	16.842	16.846	(1.175)	236531	500.000	510
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				470875	1000.00	960
M 102 Xylene (total)	106				899446	1500.00	1400

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Date : 12-SEP-2005 18:06
Client ID: VSTD200
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 12-SEP-2005 18:06
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DG050912A59.b/W8260B_5ppbv8.m
Meth Date : 14-Sep-2005 03:38 zimmerma Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 11 Calibration Sample, Level: 6
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	9.300	9.300	(1.000)	413477	250.000	
* 2 Chlorobenzene-d5	117	12.222	12.222	(1.000)	264754	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	128849	250.000	
$ 4 Dibromofluoromethane	113	8.670	8.670	(0.932)	480857	1000.00	940
$ 5 1,2-Dichloroethane-d4	65	8.995	8.995	(0.967)	476267	1000.00	930
$ 6 Toluene-d8	98	10.727	10.727	(0.878)	1354288	1000.00	940
$ 7 Bromofluorobenzene	95	13.304	13.304	(0.928)	551875	1000.00	980
8 Dichlorodifluoromethane	85	3.378	3.378	(0.363)	613950	1000.00	1100(A)
9 Chloromethane	50	3.742	3.742	(0.402)	278502	1000.00	1000(A)
10 Vinyl Chloride	62	3.958	3.958	(0.426)	259680	1000.00	1000(A)
11 Bromomethane	94	4.637	4.637	(0.499)	449226	1000.00	1000(A)
12 Chloroethane	64	4.824	4.824	(0.519)	341862	1000.00	1000(A)
13 Trichlorofluoromethane	101	5.286	5.286	(0.568)	730289	1000.00	1100(A)
14 Acrolein	56	5.955	5.955	(0.640)	296768	10000.0	12000(A)
15 1,1-Dichloroethene	96	6.113	6.113	(0.657)	415172	1000.00	1000(A)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.044	6.044	(0.650)	220147	1000.00	1100(A)

MZ 9-14-05

Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.162	6.162	(0.663)	233136	2500.00	2500
18 Iodomethane	142	6.359	6.359	(0.684)	756770	1000.00	1200(A)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.073	6.073	(0.653)	550375	1000.00	1100(A)
20 Carbon disulfide	76	6.467	6.467	(0.695)	1571734	1000.00	1000(A)
21 3-Chloropropene	76	6.585	6.585	(0.708)	244966	1000.00	1000(A)
22 Acetonitrile	41	6.585	6.585	(0.708)	583425	1000.00	970
23 Methyl acetate	43	6.575	6.575	(0.707)	232943	1000.00	1000(A)
24 Methylene Chloride	84	6.742	6.742	(0.725)	485023	1000.00	960
25 Acrylonitrile	53	7.018	7.018	(0.755)	1128957	10000.0	9000
26 trans-1,2-Dichloroethene	96	7.067	7.067	(0.760)	451890	1000.00	960
27 trans-1,2-DCE (part of total)	96	7.067	7.067	(0.760)	451890	1000.00	960
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.018	7.018	(0.755)	973027	1000.00	970
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.569	7.569	(0.814)	765164	1000.00	920
30 Chloroprene	53	7.677	7.677	(0.825)	617384	1000.00	1100(A)
31 Vinyl acetate	43	7.569	7.569	(0.814)	1217971	1000.00	960
32 Isopropyl ether	45	7.569	7.569	(0.814)	1287499	1000.00	950
33 cis-1,2-Dichloroethene	96	8.198	8.198	(0.882)	461641	1000.00	940
34 cis-1,2-DCE (part of total)	96	8.198	8.198	(0.882)	461641	1000.00	940
35 2,2-Dichloropropane	77	8.198	8.198	(0.882)	662673	1000.00	960
36 Propionitrile	54	8.247	8.247	(0.887)	1903587	50000.0	45000
37 2-butanone	43	8.169	8.169	(0.878)	378165	2500.00	2500(A)
38 Methacrylonitrile	41	8.395	8.395	(0.903)	1585356	10000.0	8800
39 Bromochloromethane	128	8.464	8.464	(0.910)	206605	1000.00	960
40 Chloroform	83	8.503	8.503	(0.914)	846774	1000.00	980
41 1,1,1-Trichloroethane	97	8.710	8.710	(0.937)	691959	1000.00	1000(A)
42 Cyclohexane	56	8.769	8.769	(0.943)	671578	1000.00	1100(A)
43 1,1-dichloropropene	75	8.857	8.857	(0.952)	582674	1000.00	970
44 Carbon Tetrachloride	117	8.877	8.877	(0.954)	582570	1000.00	1000(A)
45 1,2-Dichloroethane	62	9.064	9.064	(0.975)	556168	1000.00	980
46 Isobutyl alcohol	43	8.848	8.848	(0.951)	571316	50000.0	49000
47 Benzene	78	9.064	9.064	(0.975)	1573545	1000.00	940
48 Trichloroethene	130	9.625	9.625	(1.035)	439682	1000.00	1000
49 Methylcyclohexane	83	9.802	9.802	(1.054)	582841	1000.00	1000(A)
50 1,2-Dichloropropane	63	9.831	9.831	(1.057)	322467	1000.00	790
51 Dibromomethane	174	9.959	9.959	(1.071)	261846	1000.00	990
52 1,4-dioxane	88	9.910	9.910	(1.066)	177925	50000.0	53000(A)
53 Methylmethacrylate	69	9.821	9.821	(1.056)	1916442	10000.0	8400
54 Bromodichloromethane	83	10.058	10.058	(1.081)	614617	1000.00	1000(A)
56 cis-1,3-Dichloropropene	75	10.451	10.451	(1.124)	725259	1000.00	1000(A)
57 4-Methyl-2-pentanone	43	10.520	10.520	(0.861)	834695	2500.00	2600(A)
58 Toluene	92	10.795	10.795	(0.883)	953485	1000.00	970
59 trans-1,3-Dichloropropene	75	10.963	10.963	(0.897)	539817	1000.00	910
60 1,1,2-Trichloroethane	97	11.169	11.169	(0.914)	332820	1000.00	1000(A)
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	3454235	10000.0	8200
62 1,3-Dichloropropane	76	11.356	11.356	(0.929)	572685	1000.00	960

Data File: /chem/5972hp59.i/DG050912A59.b/GY050912A59.d
Report Date: 14-Sep-2005 03:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	11.376	11.376	(0.931)	315833	1000.00	1000(A)
64 2-hexanone	43	11.336	11.336	(0.928)	575909	2500.00	2600(A)
65 Dibromochloromethane	129	11.641	11.641	(0.952)	444099	1000.00	1100(A)
66 1,2-Dibromoethane	107	11.799	11.799	(0.965)	375581	1000.00	1000(A)
67 Chlorobenzene	112	12.251	12.251	(1.002)	1007303	1000.00	1000
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.301	12.301	(1.006)	378428	1000.00	1000(A)
70 Ethylbenzene	106	12.301	12.301	(1.006)	491668	1000.00	990
71 m,p-Xylene	106	12.409	12.409	(1.015)	1183573	2000.00	1900
72 m,p-Xylene (part of total)	106	12.409	12.409	(1.015)	1183573	2000.00	1900
73 o-Xylene	106	12.802	12.802	(1.047)	574230	1000.00	980
74 o-Xylene (part of total)	106	12.802	12.802	(1.047)	574230	1000.00	980
75 Styrene	104	12.812	12.812	(1.048)	1002273	1000.00	1000
76 Bromoform	173	13.058	13.058	(1.068)	281079	1000.00	1100(A)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.117	13.117	(1.073)	1608361	1000.00	1100(A)
79 1,1,2,2-Tetrachloroethane	83	13.383	13.383	(0.933)	474265	1000.00	960
80 1,2,3-Trichloropropane	110	13.452	13.452	(1.101)	101002	1000.00	920
81 Bromobenzene	156	13.491	13.491	(1.104)	402365	1000.00	970
83 n-Propyl Benzene	91	13.491	13.491	(0.941)	2143786	1000.00	1000(A)
84 2-Chlorotoluene	126	13.629	13.629	(0.951)	366529	1000.00	1000(A)
85 4-Chlorotoluene	126	13.707	13.707	(0.956)	400176	1000.00	1100(A)
86 1,3,5-Trimethyl Benzene	105	13.619	13.619	(0.950)	1311234	1000.00	1100(A)
Pentachloroethane	167	Compound Not Detected.					
tert-Butyl Benzene	119	13.924	13.924	(0.971)	1199620	1000.00	1100(A)
89 1,2,4-Trimethyl Benzene	105	13.963	13.963	(0.974)	1365893	1000.00	1100(A)
90 sec-Butyl Benzene	105	14.111	14.111	(0.984)	1844048	1000.00	1100(A)
91 1,3-Dichlorobenzene	146	14.288	14.288	(0.997)	739677	1000.00	1000(A)
92 p-Isopropyl Toluene	119	14.219	14.219	(0.992)	1397605	1000.00	1100(A)
93 1,4-Dichlorobenzene	146	14.357	14.357	(1.001)	801820	1000.00	1000(A)
94 1,2-Dichlorobenzene	146	14.711	14.711	(1.026)	722283	1000.00	1100(A)
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.593	(1.018)	1608941	1000.00	1100(A)
96 1,2-Dibromo-3-Chloropropane	157	15.439	15.439	(1.077)	80964	1000.00	1200(A)
97 1,2,4-Trichlorobenzene	180	16.275	16.275	(1.135)	530356	1000.00	1000(A)
98 Hexachlorobutadiene	225	16.393	16.393	(1.143)	286082	1000.00	1300(A)
99 Naphthalene	128	16.570	16.570	(1.156)	1150233	1000.00	1000(A)
100 1,2,3-Trichlorobenzene	180	16.846	16.846	(1.175)	481768	1000.00	1000(A)
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				913531	2000.00	1900
M 102 Xylene (total)	106				1757803	3000.00	2900

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

COMPUCHEM a division of Liberty Analytical Corp DATE 9/12/05 INITIAL TIME OF TUNE 1454 SHIFT/S(A) ✓ (B)____(C)
GC/MS VOLATILE RUN LOG TUNE EXPIRES 0254 LINKER /METHOD 8260 (S) (W)
COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) 5ppb 2ppb

PREVENTIVE MAINTENANCE none

	CTED	FILE NAME	RTED	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BG050912A59		—	—	9/12/05	1454	BFB	—	2uL	—	2473	LCD=SCD
2		GS050912A59	US	—	—	/ /	1521	VSTD002	—	10ml	—		ICAL passes
3		GT050912A59		—	—	/ /	1549	VSTD005	—		—		no CEVE
4		GU050912A59		—	—	/ /	1616	VSTD010	—		—		
5		GV050912A59		—	—	/ /	1644	VSTD020	—		—		
6		GW050912A59	US	—	—	/ /	1711	VSTD050	—		—		
7		GX050912A59		—	—	/ /	1739	VSTD100	—		—		
8		GY050912A59		—	—	/ /	1806	VSTD200	—		—		
9		GC050912A59		—	—	/ /	1833	VIBLKAC	—		—		
10		GZ050912A59		—	—	/ /	1901	VSTD002	—		—		
11		GA050912A59		—	—	/ /	1928	VSTD050	—		—		
12						/ /							
13						/ /							
14						/ /							
15						/ /							
16						/ /							
17						/ /							
18						/ /							
19						/ /							
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

JAO 9-13-05

421

SUPERVISOR APPROVAL

*Volume sample analyzed
-Not applicable for matrix

2633

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/27/05 09/27/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1107 1545

LAB FILE ID: RF5: GY050927A59 RF10: GT050927A59 RF20: GU050927A59
RF50: GZ050927A59 RF100: GW050927A59RF200: GX050927A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.29684	0.33014	0.33387	0.27995	0.30320	0.33210
Chloromethane	0.28872	0.26692	0.25860	0.26441	0.26108	0.27356
Vinyl Chloride	0.22534	0.21415	0.21187	0.20606	0.21242	0.21704
Bromomethane	0.25819	0.25878	0.22468	0.28446	0.19806	0.20168
Chloroethane	6791	24015	30399	117885	226327	449973
Trichlorofluoromethane	0.33383	0.35517	0.35922	0.31628	0.34566	0.36938
1,1-Dichloroethene	0.27101	0.25762	0.25836	0.24843	0.25667	0.25068
Carbon disulfide	1.05596	0.99533	0.98088	0.96452	0.98319	0.96452
1,1,2-trichloro-1,2,2-triflu	0.31776	0.26341	0.29916	0.26747	0.26729	0.27855
Acetone	0.05885	0.06346	0.05858	0.07510	0.06065	0.05984
Methylene Chloride	0.33622	0.32554	0.31514	0.31323	0.29883	0.29329
trans-1,2-Dichloroethene	0.32458	0.29883	0.30088	0.28534	0.29112	0.28840
Methyl-tert-butyl ether	0.58923	0.59727	0.59675	0.61474	0.57383	0.57816
1,1-Dichloroethane	0.53920	0.52478	0.52501	0.52975	0.51274	0.50533
1-1,2-Dichloroethene	0.31887	0.31122	0.31398	0.30504	0.30641	0.30429
Butanone	0.11223	0.11224	0.11369	0.13466	0.10861	0.10725
Chloroform	0.47806	0.47800	0.47541	0.45378	0.45897	0.45684
1,1,1-Trichloroethane	0.39433	0.36434	0.36293	0.33599	0.34623	0.34631
Carbon Tetrachloride	0.31642	0.27973	0.29852	0.26711	0.27377	0.27426
Benzene	1.11164	1.05244	1.05950	1.01977	1.01363	0.99542
1,2-Dichloroethane	0.30606	0.29675	0.30541	0.30735	0.29679	0.29281
Trichloroethene	0.27334	0.25018	0.25509	0.24057	0.24484	0.24460
1,2-Dichloropropane	0.30346	0.29644	0.29684	0.28978	0.27896	0.25921
Bromodichloromethane	0.33282	0.34524	0.34387	0.32829	0.32527	0.32515
cis-1,3-Dichloropropene	0.42870	0.43594	0.44717	0.43554	0.42629	0.43065
4-Methyl-2-pentanone	0.35052	0.34939	0.37691	0.41565	0.36090	0.35252
Toluene	1.07396	1.00785	1.01817	0.94539	0.94364	0.92241
trans-1,3-Dichloropropene	0.58191	0.60063	0.60177	0.56776	0.54947	0.51532
1,1,2-Trichloroethane	0.32201	0.34151	0.34937	0.33555	0.32376	0.31609
Tetrachloroethene	0.33969	0.25673	0.30336	0.25776	0.25246	0.25440
2-hexanone	0.19110	0.23803	0.25392	0.29027	0.25314	0.24415
Dibromochloromethane	0.37811	0.40459	0.40777	0.39040	0.38237	0.38000
1,2-Dibromoethane	0.35518	0.37743	0.38265	0.36724	0.35675	0.34998
Chlorobenzene	1.13019	1.02491	1.04887	0.96151	0.96324	0.94957
Ethylbenzene	0.58975	0.47832	0.53890	0.46728	0.46328	0.45950
Styrene	1.22616	1.07294	1.16031	1.04621	1.03682	1.02538
Bromoform	0.22641	0.26819	0.27476	0.24609	0.24594	0.24351
Isopropyl Benzene	56520	87189	208525	430605	799136	1627671
1,1,2,2-Tetrachloroethane	1.03337	1.15698	1.18073	1.09069	0.97773	0.92548
1,3-Dichlorobenzene	1.76054	1.39341	1.57586	1.38303	1.31701	1.34110
1,4-Dichlorobenzene	1.80863	1.43361	1.65577	1.42879	1.38581	1.39768
1,2-Dichlorobenzene	1.52756	1.27683	1.46275	1.28071	1.22557	1.23388
2-Dibromo-3-Chloropropane	0.13922	0.15420	0.16893	0.15656	0.14301	0.14280
1,2,4-Trichlorobenzene	1.08254	0.79548	0.96019	0.81257	0.78150	0.81410

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/27/05 09/27/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1107 1545

LAB FILE ID: RF5: GY050927A59 RF10: GT050927A59 RF20: GU050927A59
RF50: GZ050927A59 RF100: GW050927A59RF200: GX050927A59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.73299	0.59105	0.66557	0.58325	0.56681	0.56328
Methyl acetate	13388	17356	35160	97741	160335	318594
Cyclohexane	25277	36024	87794	201110	342968	713639
Methylcyclohexane	20684	28141	78394	155663	271764	579196
Dibromofluoromethane	0.32754	0.29589	0.27744	0.27145	0.28587	0.28697
1,2-Dichloroethane-d4	0.29450	0.26575	0.25138	0.25952	0.24884	0.25161
Toluene-d8	1.60158	1.43956	1.36793	1.38967	1.38795	1.37794
Bromofluorobenzene	1.35673	1.16416	1.10053	1.11582	1.11251	1.10983

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/27/05 09/27/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1107 1545

COMPOUND	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG		0.31268487	7.212	15.000
Chloromethane	AVRG		0.26888381	4.094	15.000
Vinyl Chloride	AVRG		0.21447795	2.996	30.000
Bromomethane	AVRG		0.23764252	14.686	15.000
Chloroethane	LINR	0.05147740	4.26148446	0.9987873	0.9900000
Trichlorofluoromethane	AVRG		0.34659207	5.527	15.000
1,1-Dichloroethene	AVRG		0.25713107	3.071	30.000
Carbon disulfide	AVRG		0.99073309	3.439	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG		0.28227384	7.693	15.000
Acetone	AVRG		0.06274635	10.039	15.000
Methylene Chloride	AVRG		0.31370816	5.115	15.000
trans-1,2-Dichloroethene	AVRG		0.29819214	4.778	15.000
Methyl-tert-butyl ether	AVRG		0.59166250	2.502	15.000
1,1-Dichloroethane	AVRG		0.52280271	2.315	15.000
s-1,2-Dichloroethene	AVRG		0.30997047	1.859	15.000
utanone	AVRG		0.11478089	8.746	15.000
Chloroform	AVRG		0.46684363	2.454	30.000
1,1,1-Trichloroethane	AVRG		0.35835605	5.777	15.000
Carbon Tetrachloride	AVRG		0.28496861	6.583	15.000
Benzene	AVRG		1.04206634	4.010	15.000
1,2-Dichloroethane	AVRG		0.30086165	2.038	15.000
Trichloroethene	AVRG		0.25143667	4.716	15.000
1,2-Dichloropropane	AVRG		0.28744884	5.611	30.000
Bromodichloromethane	AVRG		0.33344029	2.717	15.000
cis-1,3-Dichloropropene	AVRG		0.43405076	1.719	15.000
4-Methyl-2-pentanone	AVRG		0.36764915	6.978	15.000
Toluene	AVRG		0.98523730	5.872	30.000
trans-1,3-Dichloropropene	AVRG		0.56947799	5.826	15.000
1,1,2-Trichloroethane	AVRG		0.33138230	3.873	15.000
Tetrachloroethene	AVRG		0.27740111	13.016	15.000
2-hexanone	AVRG		0.24510238	13.094	15.000
Dibromochloromethane	AVRG		0.39054030	3.292	15.000
1,2-Dibromoethane	AVRG		0.36487009	3.597	15.000
Chlorobenzene	AVRG		1.01305086	6.883	15.000
Ethylbenzene	AVRG		0.49950555	10.630	30.000
Styrene	AVRG		1.09463761	7.373	15.000
Bromoform	AVRG		0.25081531	7.066	15.000
Isopropyl Benzene	LINR	-0.0420969	0.77105024	0.9992331	0.9900000
1,1,2,2-Tetrachloroethane	AVRG		1.06082941	9.473	15.000
1,3-Dichlorobenzene	AVRG		1.46182490	11.796	15.000
1,4-Dichlorobenzene	AVRG		1.51838073	11.426	15.000
1,2-Dichlorobenzene	AVRG		1.33455077	9.592	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.15078710	7.457	15.000
2,4-Trichlorobenzene	AVRG		0.87439513	13.819	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/27/05 09/27/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 1107 1545

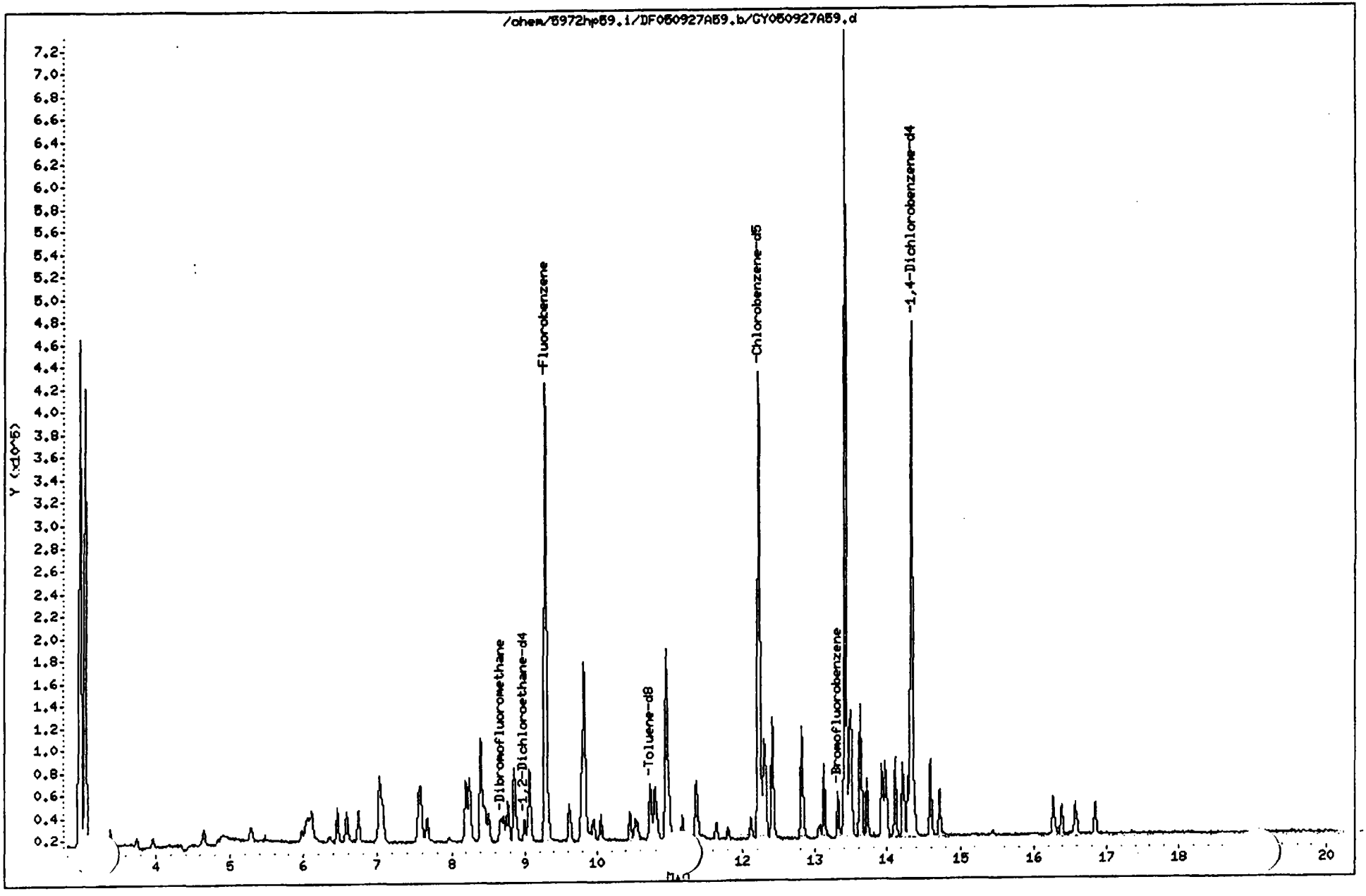
COMPOUND	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.61716015	10.997	15.000
Methyl acetate	LINR	-0.0581800	6.18568959	0.9976522	0.9900000
Cyclohexane	LINR	-0.0322255	2.77005502	0.9978776	0.9900000
Methylcyclohexane	LINR	-0.0276202	3.42481440	0.9965633	0.9900000
Dibromofluoromethane	AVRG		0.29086023	6.820	15.000
1,2-Dichloroethane-d4	AVRG		0.26193362	6.546	15.000
Toluene-d8	AVRG		1.42743686	6.223	15.000
Bromofluorobenzene	AVRG		1.15992940	8.533	15.000

FORM VI VOA

Data File: /chem/5972hp59.i/DF050927A59.b/GY050927A59.d
Date : 27-SEP-2005 14:02
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/DF050927A59.b/GY050927A59.d
Report Date: 27-Sep-2005 22:51

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GY050927A59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 27-SEP-2005 14:02
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD005:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 14:02 Cal File: GY050927A59.d
Als bottle: 14 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	9.288	9.288	(1.000)	493930	250.000	
* 2 Chlorobenzene-d5	117	12.223	12.223	(1.000)	304806	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.341	14.341	(1.000)	148040	250.000	
$ 4 Dibromofluoromethane	113	8.668	8.668	(0.933)	16178	25.0000	28
$ 5 1,2-Dichloroethane-d4	65	9.003	9.003	(0.969)	14546	25.0000	28
$ 6 Toluene-d8	98	10.726	10.726	(0.878)	48817	25.0000	28
$ 7 Bromofluorobenzene	95	13.317	13.317	(0.929)	20085	25.0000	29
8 Dichlorodifluoromethane	85	3.378	3.378	(0.364)	14662	25.0000	24
9 Chloromethane	50	3.743	3.743	(0.403)	14261	25.0000	27
10 Vinyl Chloride	62	3.960	3.960	(0.426)	11130	25.0000	26
11 Bromomethane	94	4.639	4.639	(0.499)	12753	25.0000	27
12 Chloroethane	64	4.826	4.826	(0.520)	6791	25.0000	28
13 Trichlorofluoromethane	101	5.289	5.289	(0.569)	16489	25.0000	24
14 Acrolein	56	5.969	5.969	(0.643)	14764	250.000	240(M)
15 1,1-Dichloroethene	96	6.107	6.107	(0.657)	13386	25.0000	26

Data File: /chem/5972hp59.i/DF050927A59.b/GY050927A59.d
Report Date: 27-Sep-2005 22:51

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	6.038	6.038	(0.650)	5683	25.0000	27
17 Acetone	43	6.176	6.176	(0.665)	7267	62.5000	59(MH)
18 Iodomethane	142	6.353	6.353	(0.684)	7105	25.0000	47
19 1,1,2-trichloro-1,2,2-trifluo	101	6.067	6.067	(0.653)	15695	25.0000	28
20 Carbon disulfide	76	6.461	6.461	(0.696)	52157	25.0000	27
21 3-Chloropropene	76	6.580	6.580	(0.708)	7706	25.0000	25
22 Acetonitrile	41	6.580	6.580	(0.708)	22378	25.0000	26(M)
23 Methyl acetate	43	6.589	6.589	(0.709)	13388	25.0000	27(M)
24 Methylene Chloride	84	6.747	6.747	(0.726)	16607	25.0000	27(M)
25 Acrylonitrile	53	7.033	7.033	(0.757)	45087	250.000	240
26 trans-1,2-Dichloroethene	96	7.072	7.072	(0.761)	16032	25.0000	27
27 trans-1,2-DCE (part of total)	96	7.072	7.072	(0.761)	16032	25.0000	27
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.023	7.023	(0.756)	29104	25.0000	25
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.574	7.574	(0.815)	26633	25.0000	26
30 Chloroprene	53	7.673	7.673	(0.826)	19524	25.0000	27
31 Vinyl acetate	43	7.574	7.574	(0.815)	41450	25.0000	24(M)
32 Isopropyl ether	45	7.555	7.555	(0.813)	46676	25.0000	25(M)
33 cis-1,2-Dichloroethene	96	8.205	8.205	(0.883)	15750	25.0000	26
34 cis-1,2-DCE (part of total)	96	8.205	8.205	(0.883)	15750	25.0000	26
35 2,2-Dichloropropane	77	8.195	8.195	(0.882)	20392	25.0000	28
36 Propionitrile	54	8.244	8.244	(0.888)	74755	1250.00	1200
37 2-butanone	43	8.185	8.185	(0.881)	13858	62.5000	61(M)
Methacrylonitrile	41	8.402	8.402	(0.905)	62879	250.000	250(M)
39 Bromochloromethane	128	8.461	8.461	(0.911)	6180	25.0000	24
40 Chloroform	83	8.500	8.500	(0.915)	23613	25.0000	26
41 1,1,1-Trichloroethane	97	8.707	8.707	(0.937)	19477	25.0000	28
42 Cyclohexane	56	8.766	8.766	(0.944)	25277	25.0000	27
43 1,1-dichloropropene	75	8.855	8.855	(0.953)	20008	25.0000	29
44 Carbon Tetrachloride	117	8.875	8.875	(0.955)	15629	25.0000	28
45 1,2-Dichloroethane	62	9.072	9.072	(0.977)	15117	25.0000	25
46 Isobutyl alcohol	43	8.855	8.855	(0.953)	19813	1250.00	1100(M)
47 Benzene	78	9.062	9.062	(0.976)	54907	25.0000	27
48 Trichloroethene	130	9.623	9.623	(1.036)	13501	25.0000	27
49 Methylcyclohexane	83	9.791	9.791	(1.054)	20684	25.0000	29
50 1,2-Dichloropropane	63	9.820	9.820	(1.057)	14989	25.0000	26
51 Dibromomethane	174	9.958	9.958	(1.072)	6768	25.0000	23
52 1,4-dioxane	88	9.919	9.919	(1.068)	4654	1250.00	1100
53 Methylmethacrylate	69	9.820	9.820	(1.057)	78846	250.000	250(M)
54 Bromodichloromethane	83	10.056	10.056	(1.083)	16439	25.0000	25
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.450	10.450	(1.125)	21175	25.0000	25
57 4-Methyl-2-pentanone	43	10.529	10.529	(0.861)	26710	62.5000	60(M)
58 Toluene	92	10.795	10.795	(0.883)	32735	25.0000	27
59 trans-1,3-Dichloropropene	75	10.963	10.963	(0.897)	17737	25.0000	26
60 1,1,2-Trichloroethane	97	11.169	11.169	(0.914)	9815	25.0000	24

Data File: /chem/5972hp59.i/DF050927A59.b/GY050927A59.d
Report Date: 27-Sep-2005 22:51

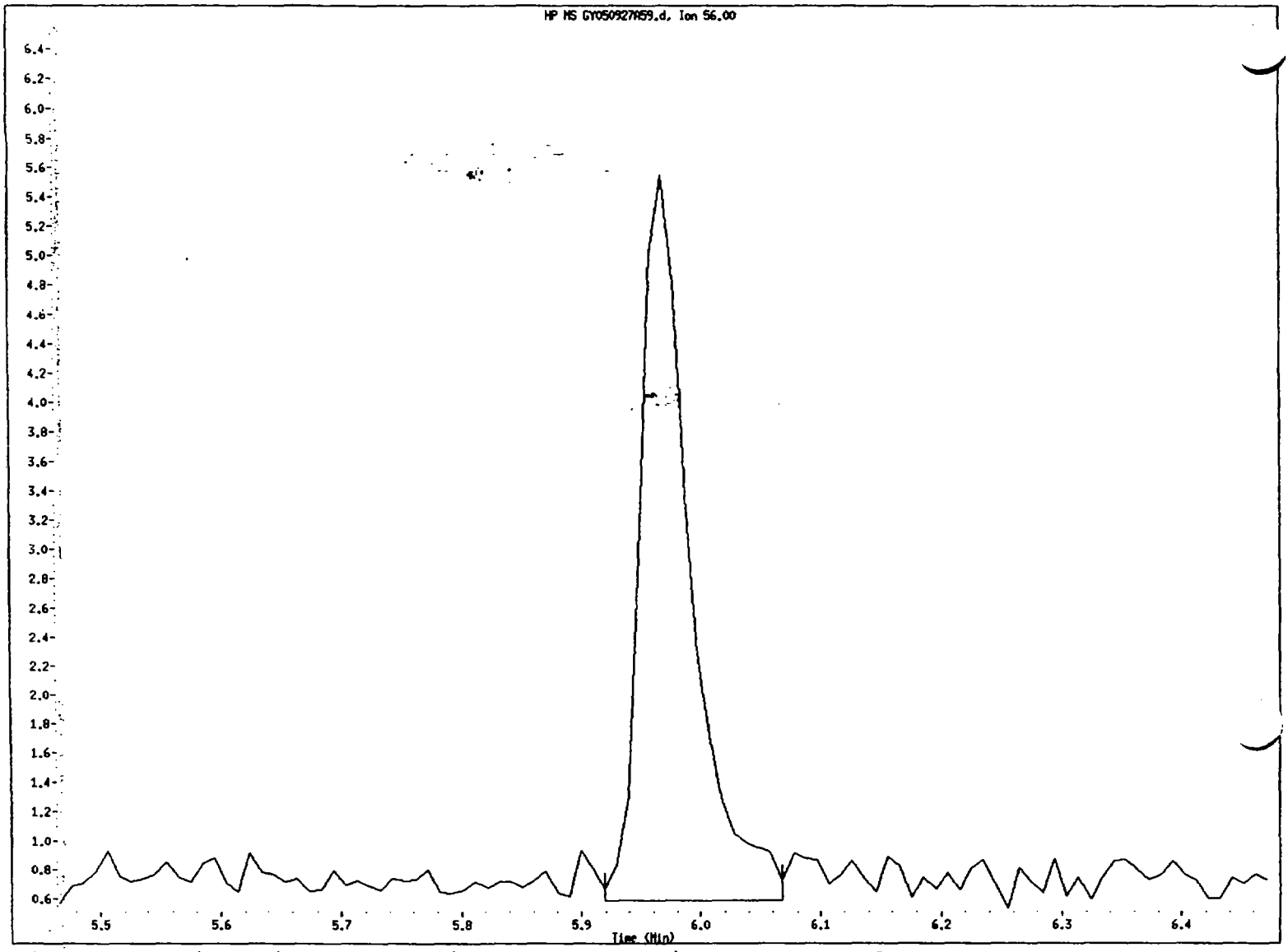
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	10.953	10.953	(0.896)	145465	250.000	260(M)
62 1,3-Dichloropropane	76	11.357	11.357	(0.929)	17562	25.0000	25
63 Tetrachloroethene	164	11.376	11.376	(0.931)	10354	25.0000	31
64 2-hexanone	43	11.366	11.366	(0.930)	14562	62.5000	49
65 Dibromochloromethane	129	11.632	11.632	(0.952)	11525	25.0000	24
66 1,2-Dibromoethane	107	11.800	11.800	(0.965)	10826	25.0000	24
67 Chlorobenzene	112	12.253	12.253	(1.002)	34449	25.0000	28
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.302	12.302	(1.006)	10761	25.0000	26
70 Ethylbenzene	106	12.312	12.312	(1.007)	17976	25.0000	30
71 m,p-Xylene	106	12.411	12.411	(1.015)	45483	50.0000	60
72 m,p-Xylene (part of total)	106	12.411	12.411	(1.015)	45483	50.0000	60
73 o-Xylene	106	12.814	12.814	(1.048)	21543	25.0000	29
74 o-Xylene (part of total)	106	12.814	12.814	(1.048)	21543	25.0000	29
75 Styrene	104	12.824	12.824	(1.049)	37374	25.0000	28
76 Bromoform	173	13.061	13.061	(1.068)	6901	25.0000	23(M)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.120	13.120	(1.073)	56520	25.0000	25
79 1,1,2,2-Tetrachloroethane	83	13.386	13.386	(0.933)	15298	25.0000	24
80 1,2,3-Trichloropropane	110	13.455	13.455	(1.101)	3149	25.0000	24
81 Bromobenzene	156	13.494	13.494	(1.104)	13122	25.0000	28
82 trans-1,4-dichloro-2-butene	53	13.425	13.425	(1.098)	172834	100.000	150
83 n-Propyl Benzene	91	13.494	13.494	(0.941)	79150	25.0000	23
84 2-Chlorotoluene	126	13.632	13.632	(0.951)	12802	25.0000	30
85 4-Chlorotoluene	126	13.721	13.721	(0.957)	13245	25.0000	30
86 1,3,5-Trimethyl Benzene	105	13.622	13.622	(0.950)	45632	25.0000	31
87 Pentachloroethane	167	14.006	14.006	(0.977)	5918	25.0000	22
88 tert-Butyl Benzene	119	13.927	13.927	(0.971)	39582	25.0000	31(M)
89 1,2,4-Trimethyl Benzene	105	13.977	13.977	(0.975)	47240	25.0000	31
90 sec-Butyl Benzene	105	14.115	14.115	(0.984)	63751	25.0000	28
91 1,3-Dichlorobenzene	146	14.292	14.292	(0.997)	26063	25.0000	30
92 p-Isopropyl Toluene	119	14.223	14.223	(0.992)	46497	25.0000	27
93 1,4-Dichlorobenzene	146	14.361	14.361	(1.001)	26775	25.0000	30
94 1,2-Dichlorobenzene	146	14.725	14.725	(1.027)	22614	25.0000	29
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.597	14.597	(1.018)	54843	25.0000	27
96 1,2-Dibromo-3-Chloropropane	157	15.444	15.444	(1.077)	2061	25.0000	23
97 1,2,4-Trichlorobenzene	180	16.281	16.281	(1.135)	16026	25.0000	31
98 Hexachlorobutadiene	225	16.390	16.390	(1.143)	7472	25.0000	38
99 Naphthalene	128	16.577	16.577	(1.156)	34004	25.0000	29
100 1,2,3-Trichlorobenzene	180	16.843	16.843	(1.174)	13951	25.0000	30
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				31782	50.0000	53
M 102 Xylene (total)	106				67026	75.0000	89

Data File: /chem/5972hp59.i/DF050927A59.b/GY050927A59.d
Report Date: 27-Sep-2005 22:51

Q lag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Acrolein CAS Number 107-02-8 Area = 14764 Manually integrated



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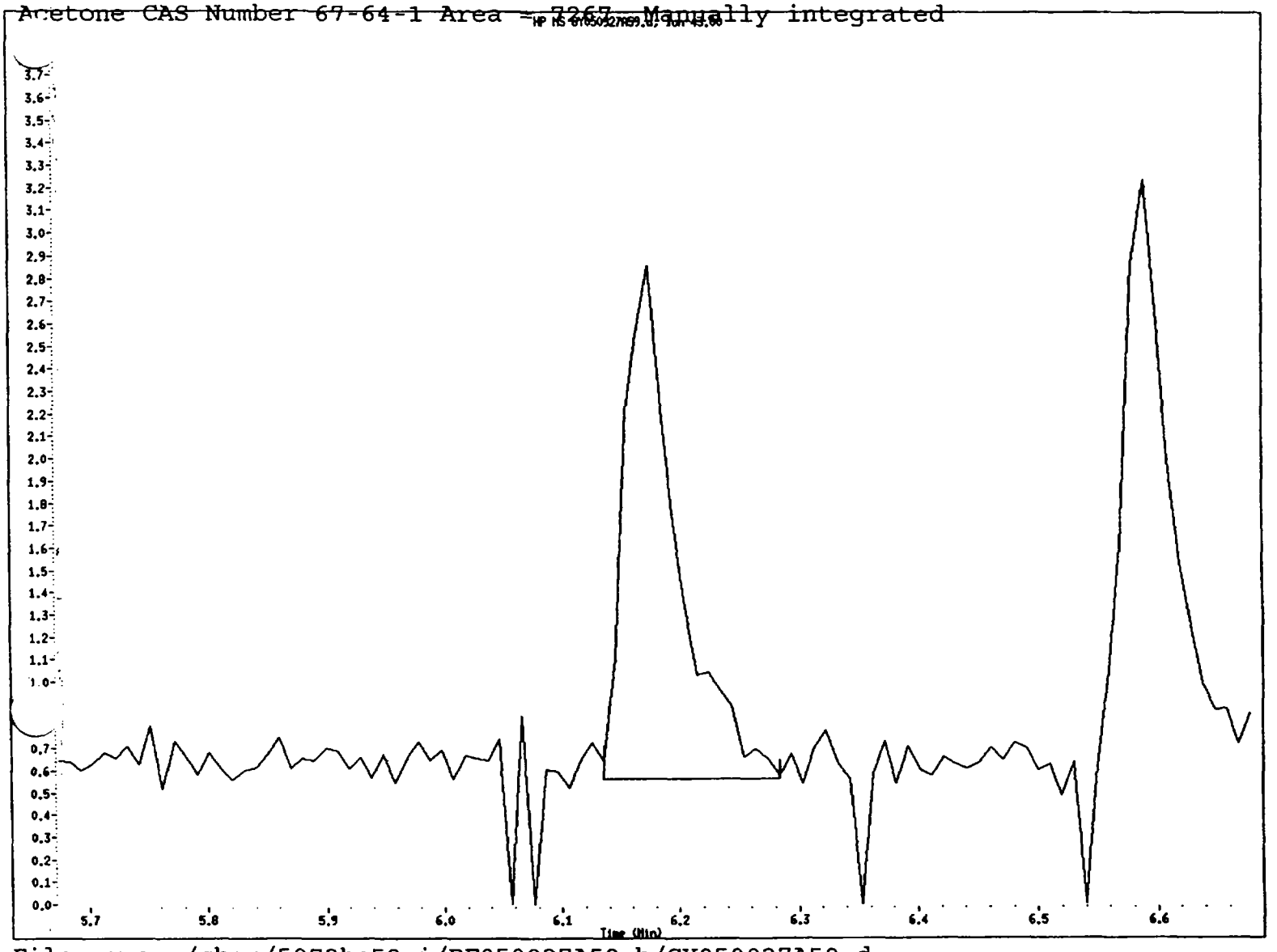
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 5.97
Operator ID: 2473

Acetone CAS Number 67-64-1 Area = 7267 User selected hit

Acetone CAS Number 67-64-1 Area = 7267 Manually integrated



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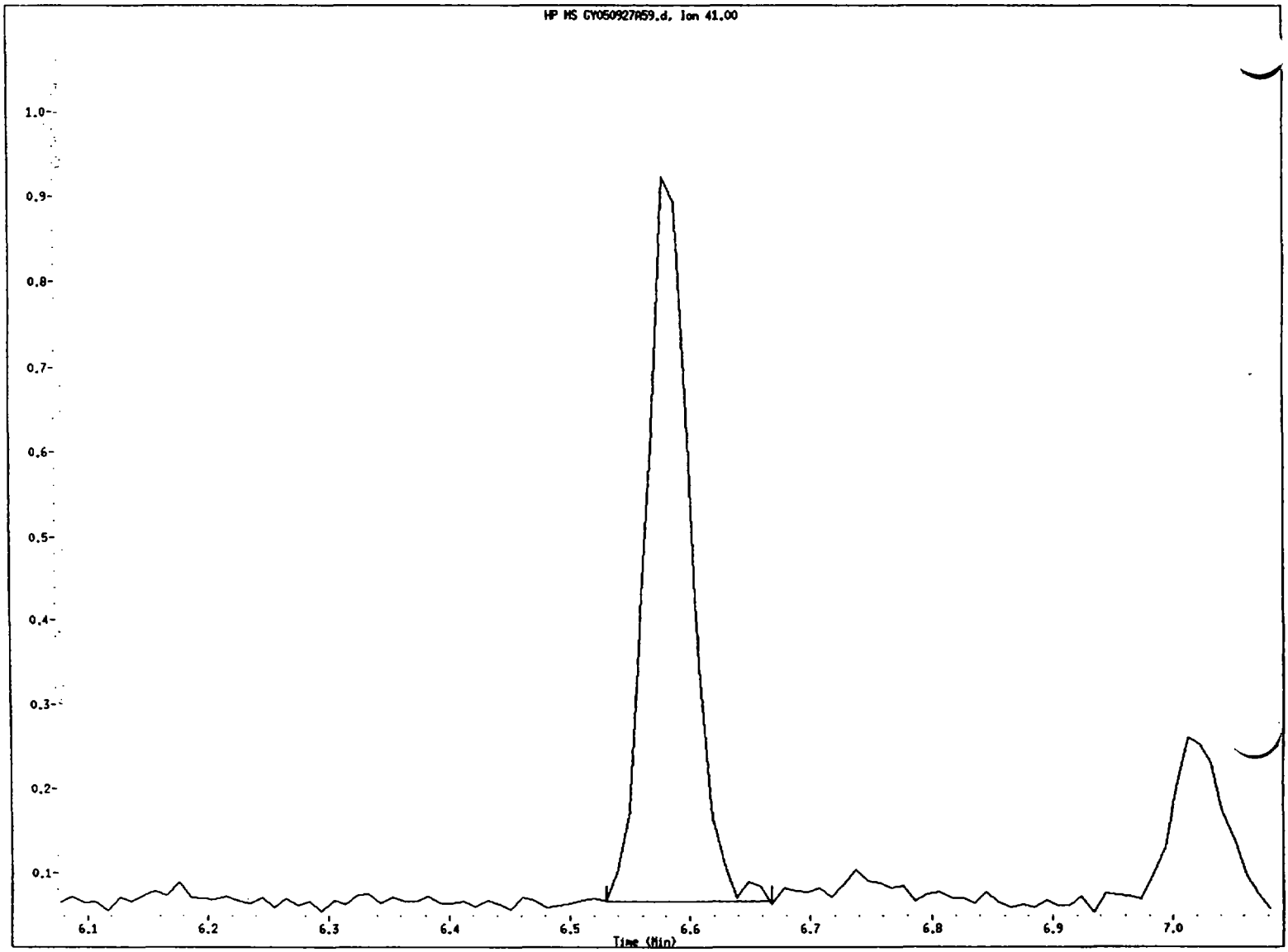
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 6.18
Operator ID: 2473

Acetonitrile CAS Number 75-05-8 Area = 22378 Manually integrated



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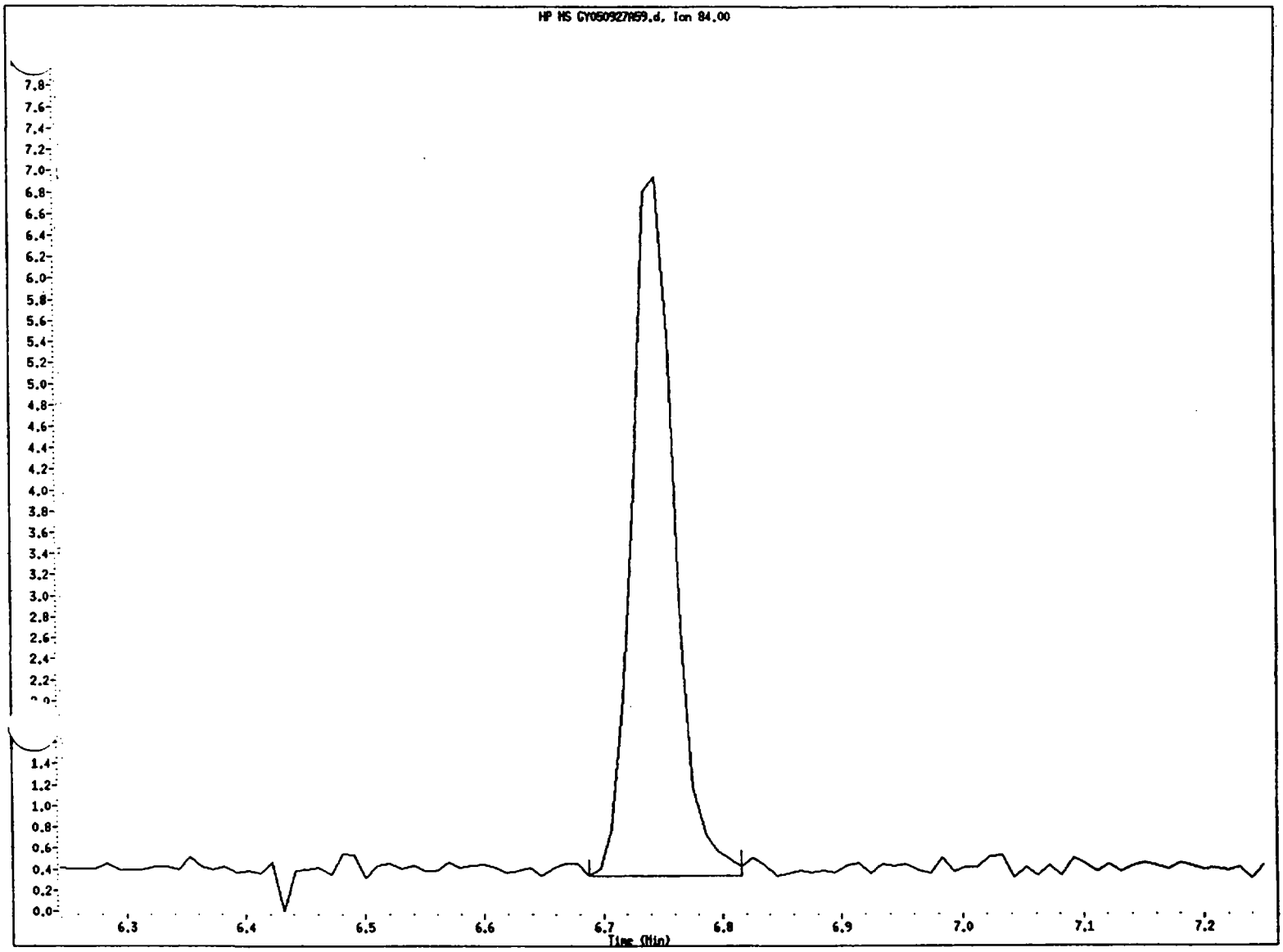
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 6.58
Operator ID: 2473

Methylene Chloride CAS Number 75-09-2 Area = 16607 Manually integrated



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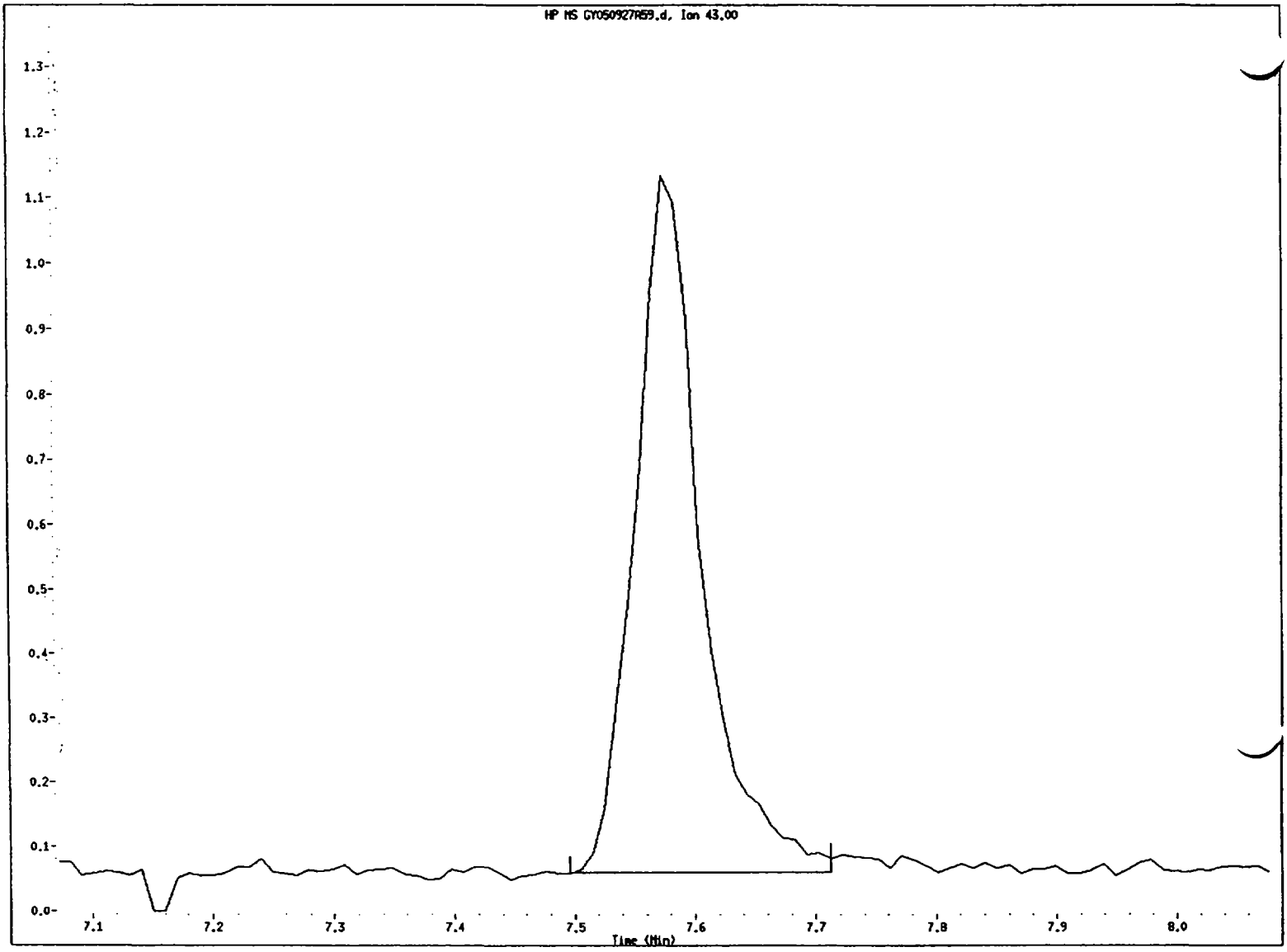
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 6.75
Operator ID: 2473

Vinyl acetate CAS Number 108-05-4 Area = 41450 Manually integrated



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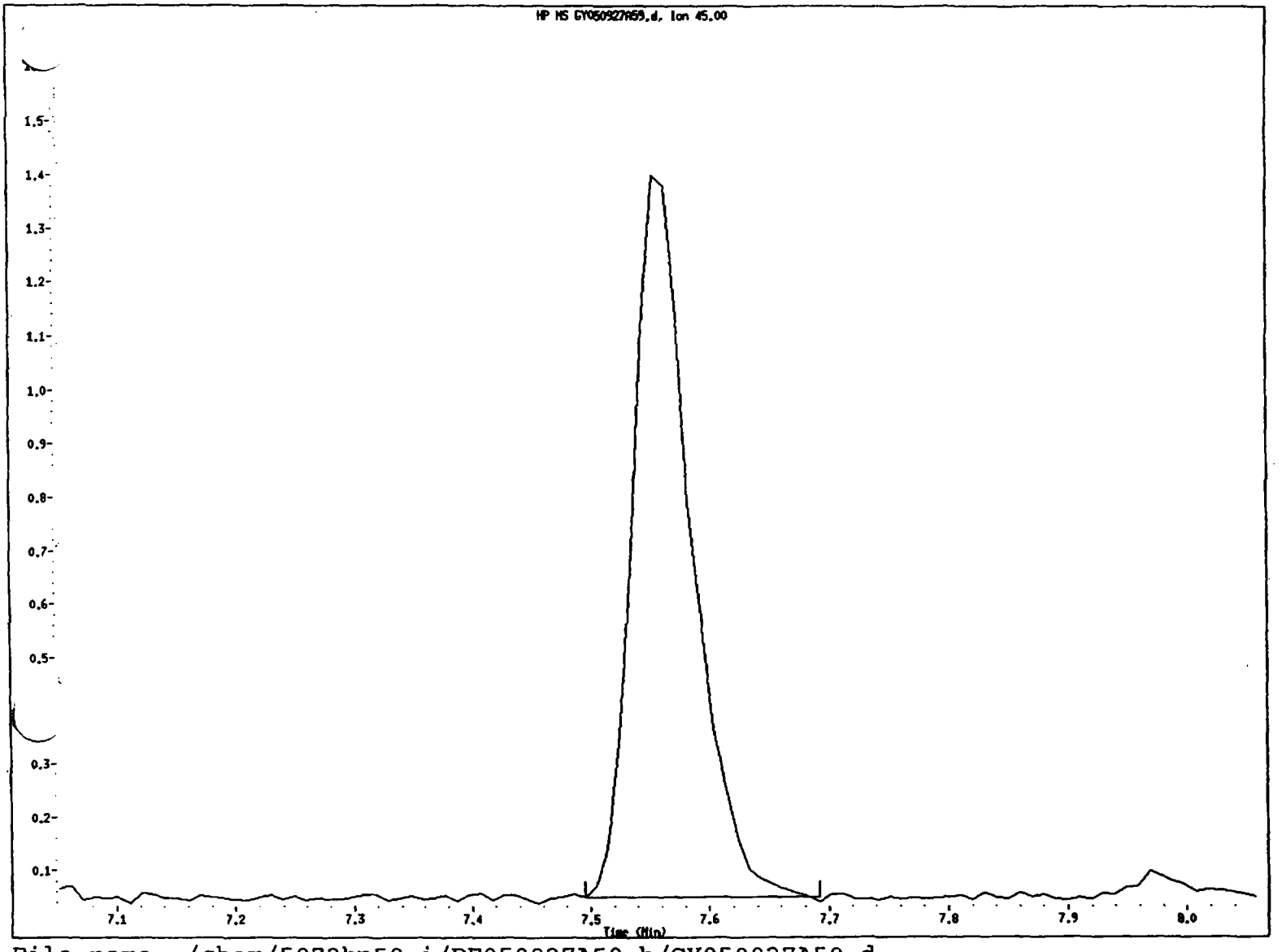
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 7.57
Operator ID: 2473

Isopropyl ether CAS Number 108-20-3 Area = 46676 Manually integrated



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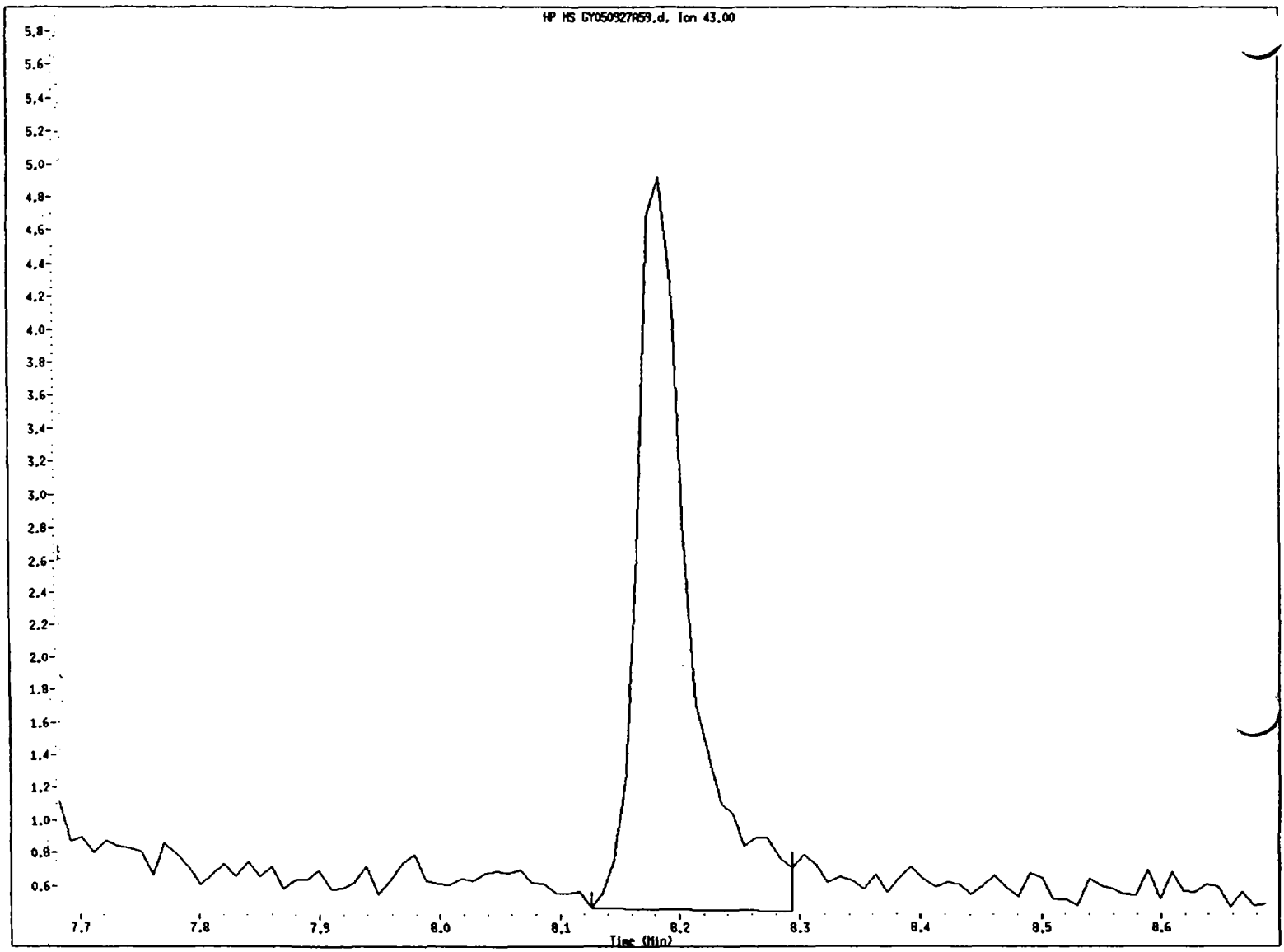
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 7.55
Operator ID: 2473

2-butanone CAS Number 78-93-3 Area = 13858 Manually integrated



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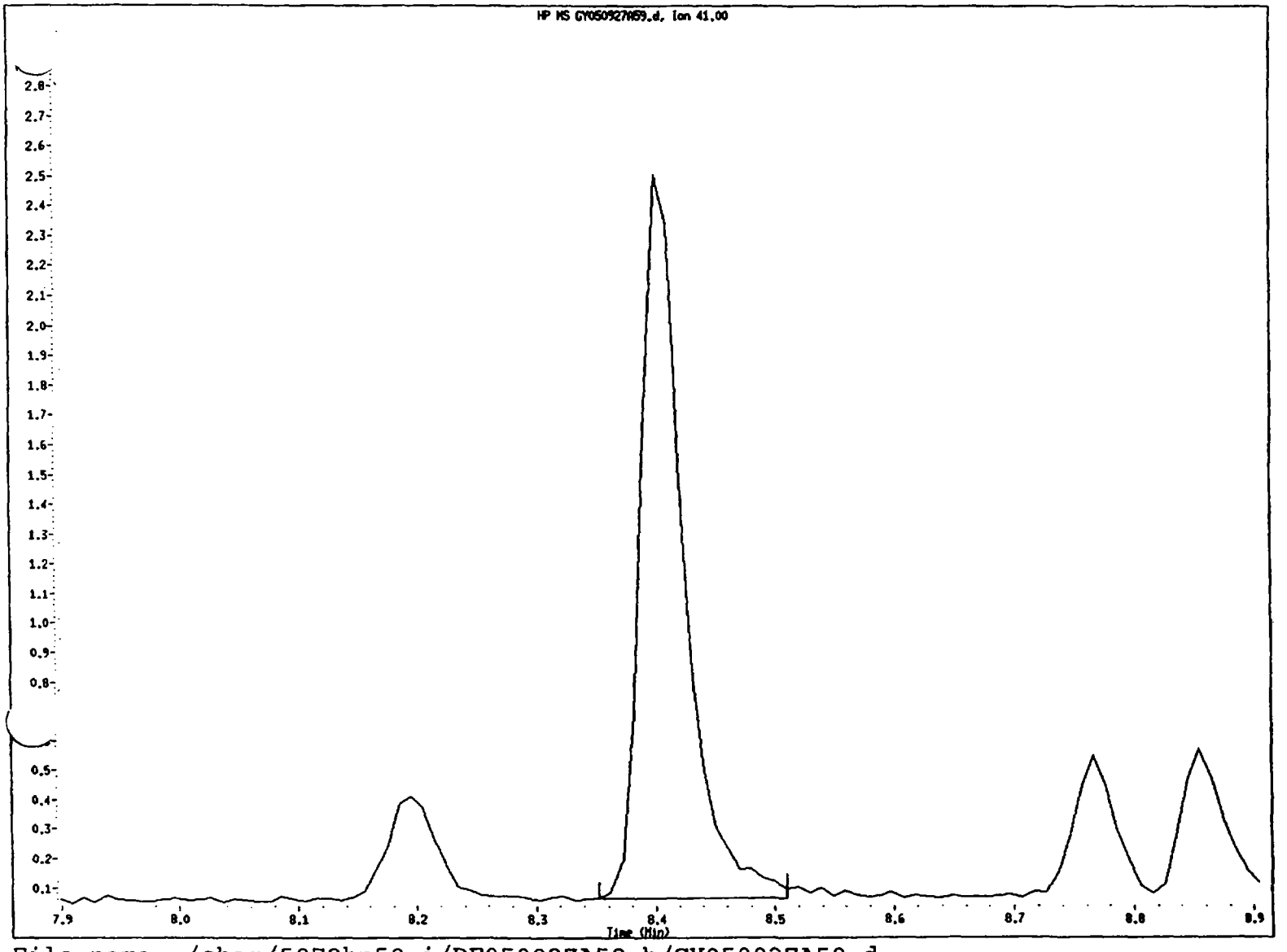
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 8.19
Operator ID: 2473

Methacrylonitrile CAS Number 126-98-7 Area = 62879 Manually integrated



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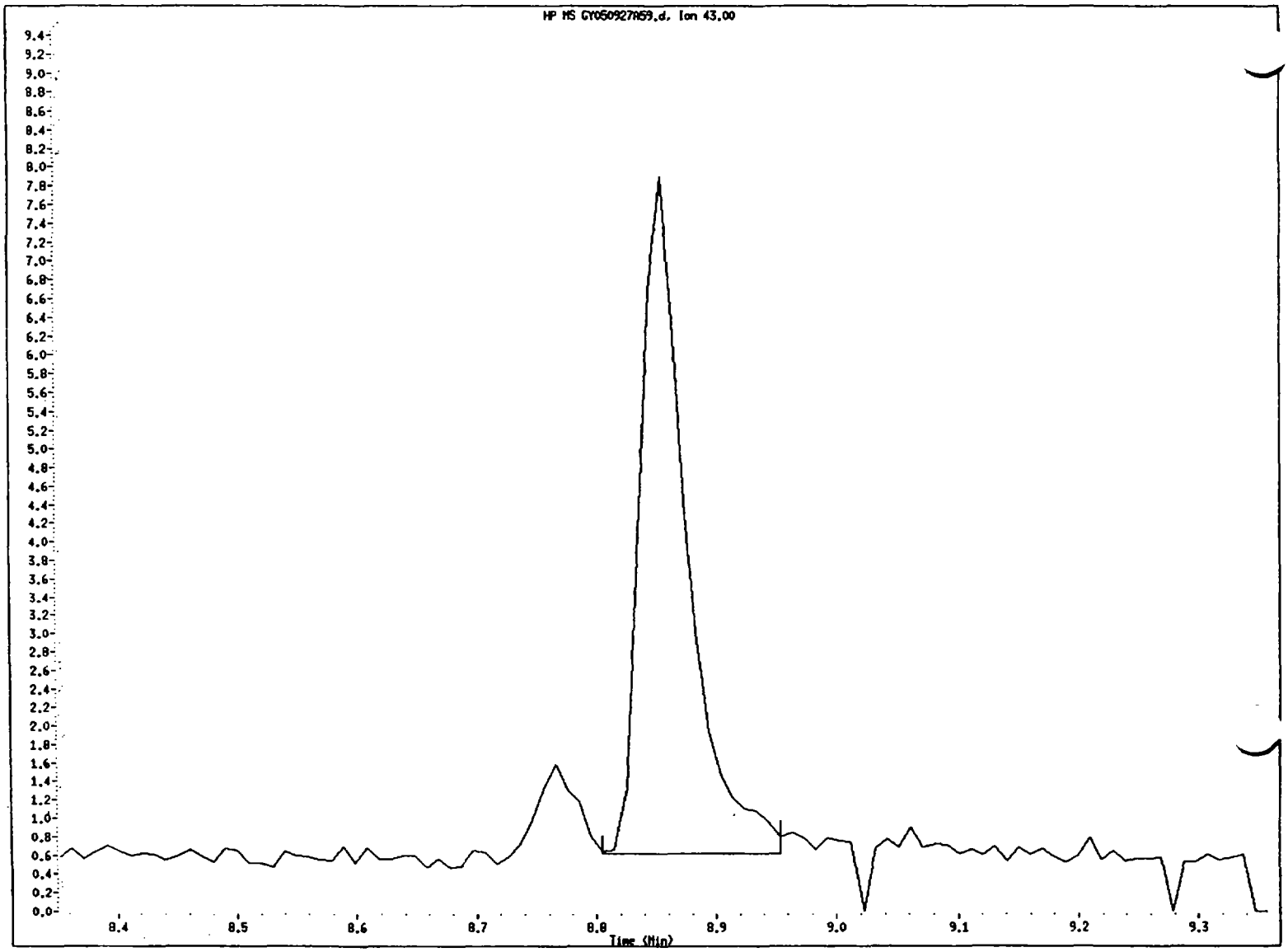
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 8.40
Operator ID: 2473

Isobutyl alcohol CAS Number 78-83-1 Area = 19813 Manually integrated



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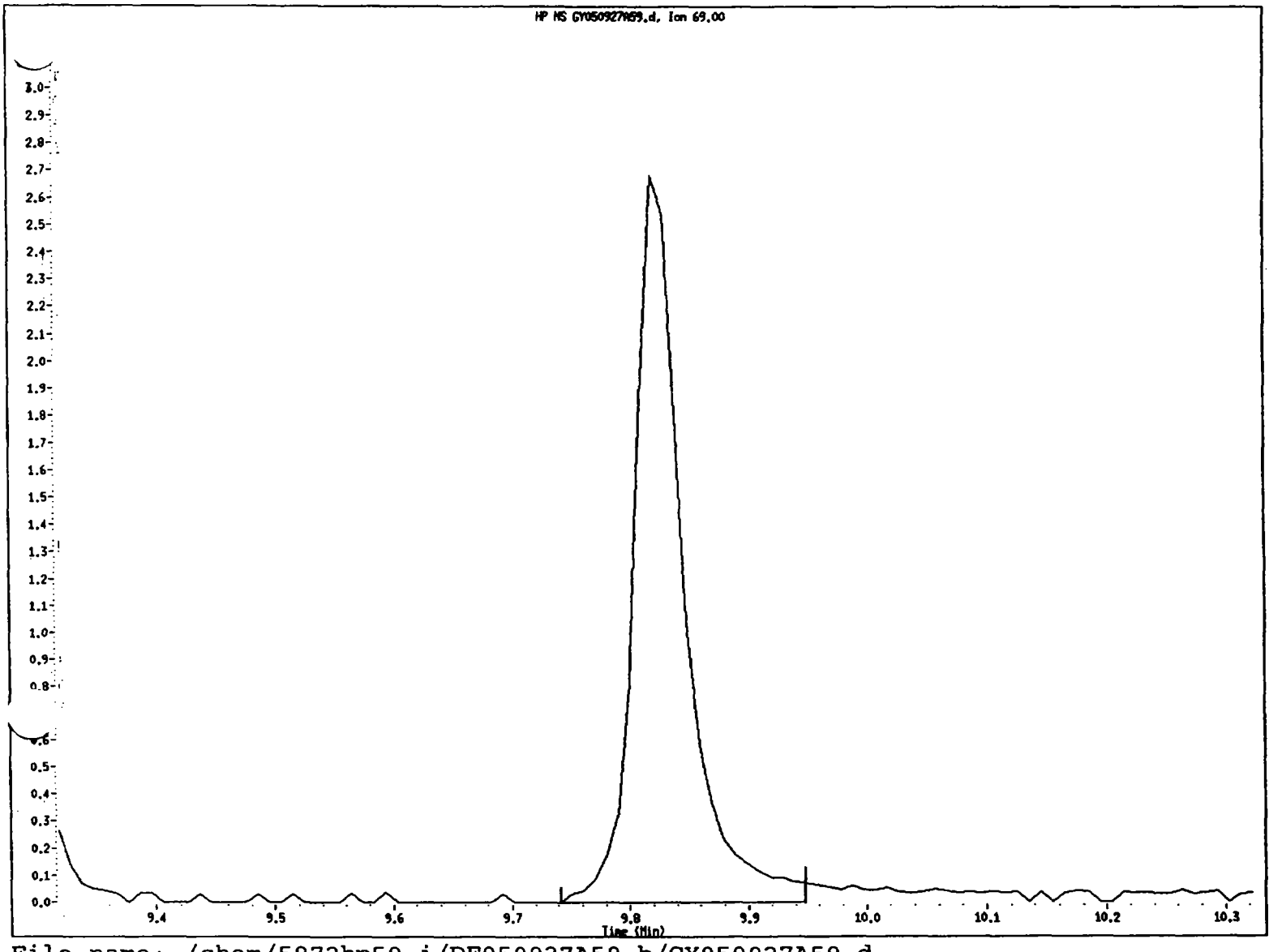
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 8.85
Operator ID: 2473

Methylmethacrylate CAS Number 80-62-6 Area = 78846 Manually integrated



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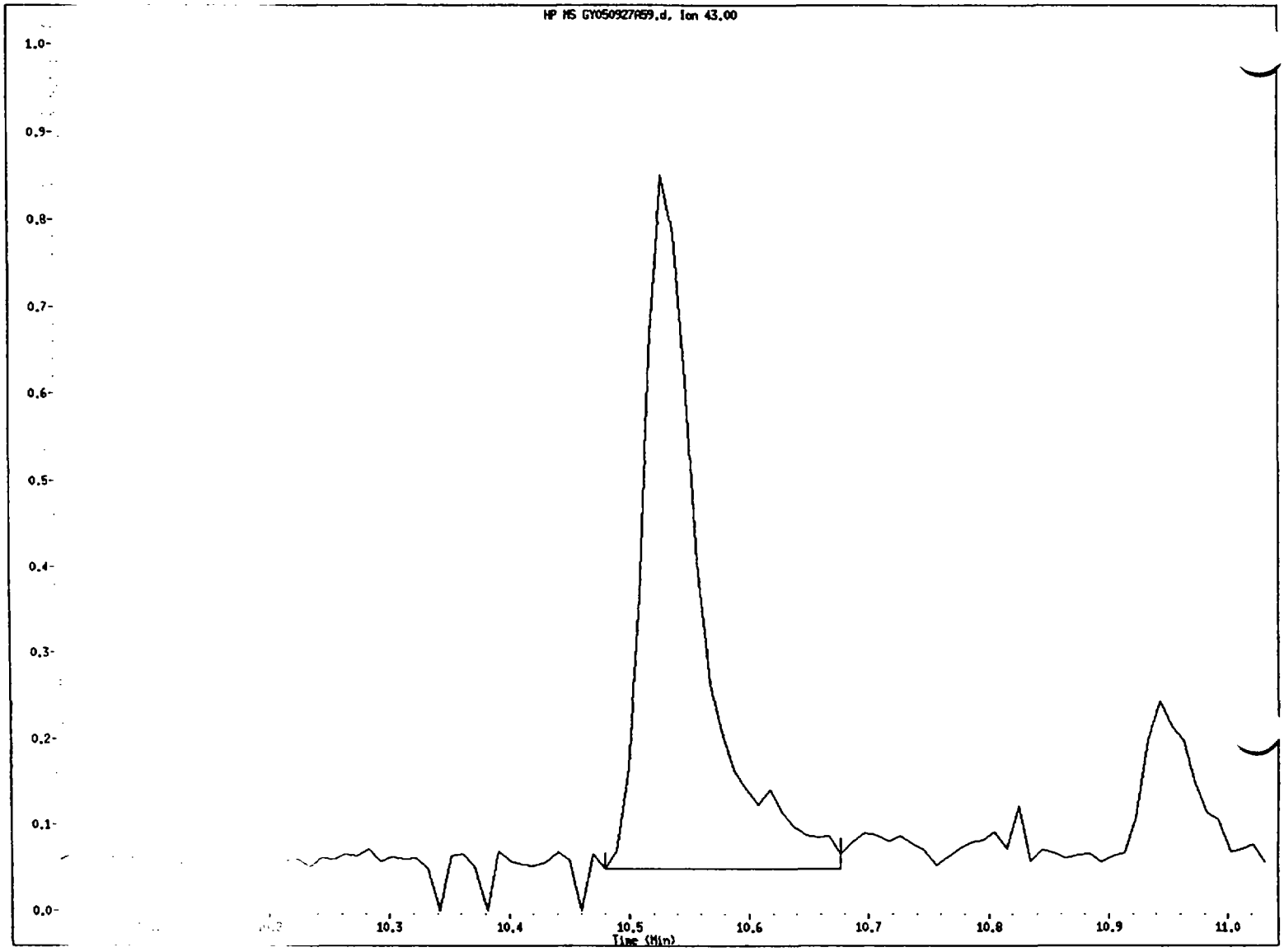
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 9.82
Operator ID: 2473

4-Me[illegible]anone CAS Number 108-10-1 Area = 26710 Manually integrated



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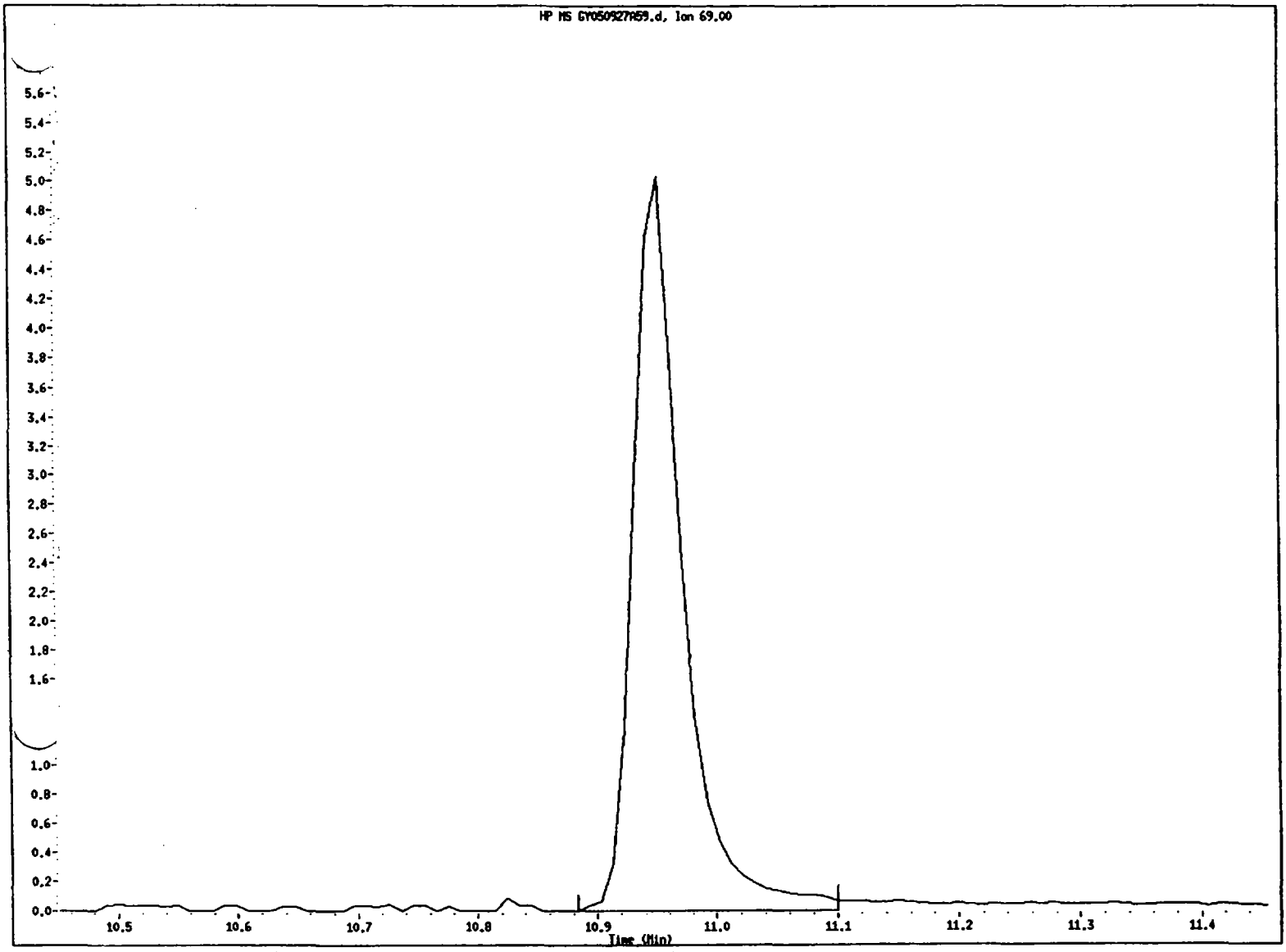
Clie[illegible]05
Ins[illegible]72hp59.i
Inje[illegible] Time: 27-SEP-2005 14:02
Rete[illegible]10.53
Oper[illegible]

Ethylmethacrylate CAS Number 97-63-2 Area = 145465 Manually integrated



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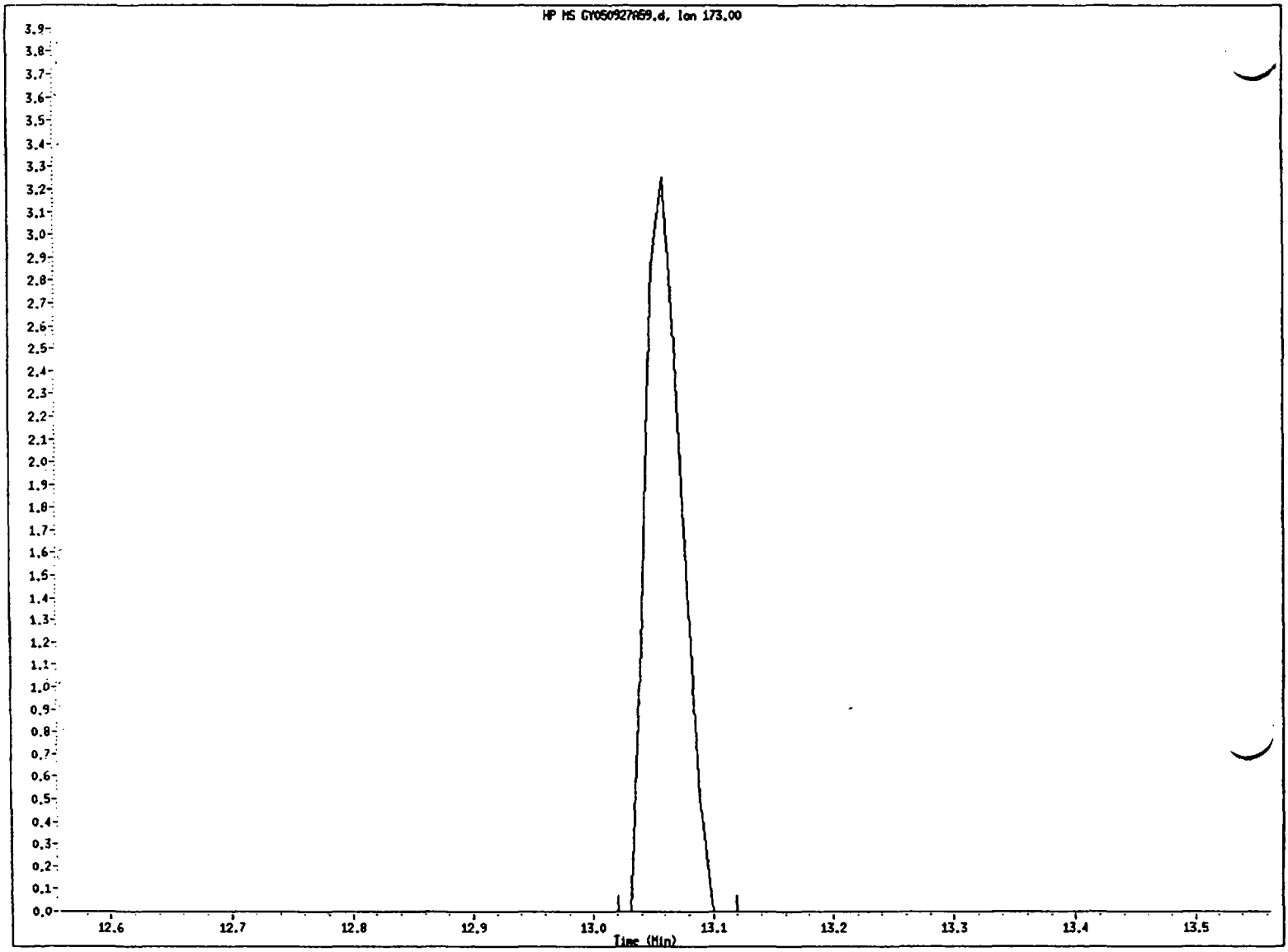
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 10.95
Operator ID: 2473

Bromoform CAS Number 75-25-2 Area = 6901 Manually integrated



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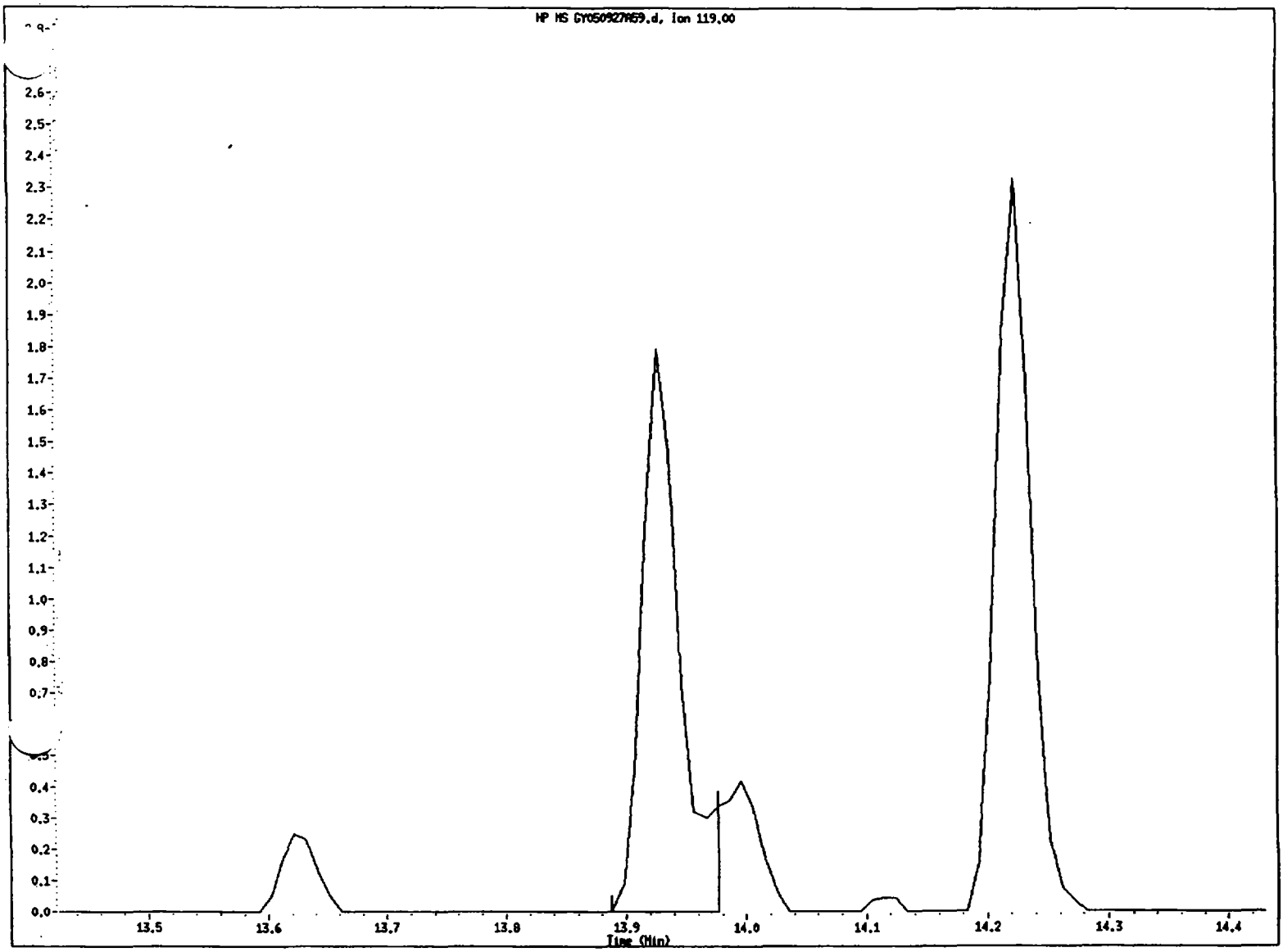
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 13.06
Operator ID: 2473

tert-Butyl Benzene CAS Number 98-06-6 Area = 39582 Manually integrated



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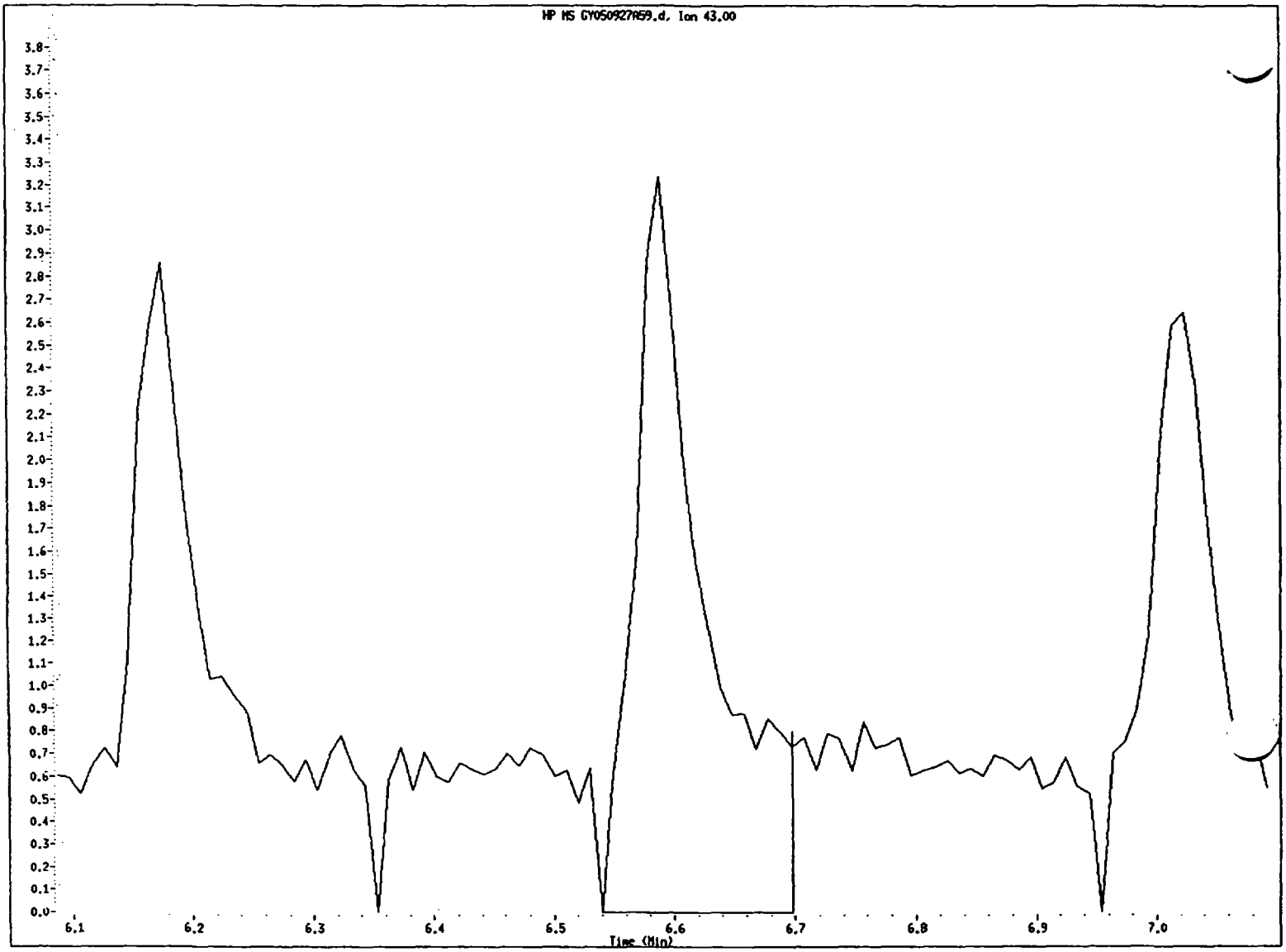
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 13.93
Operator ID: 2473

Methyl acetate CAS Number 79-20-9 Area = 13388 Manually integrated



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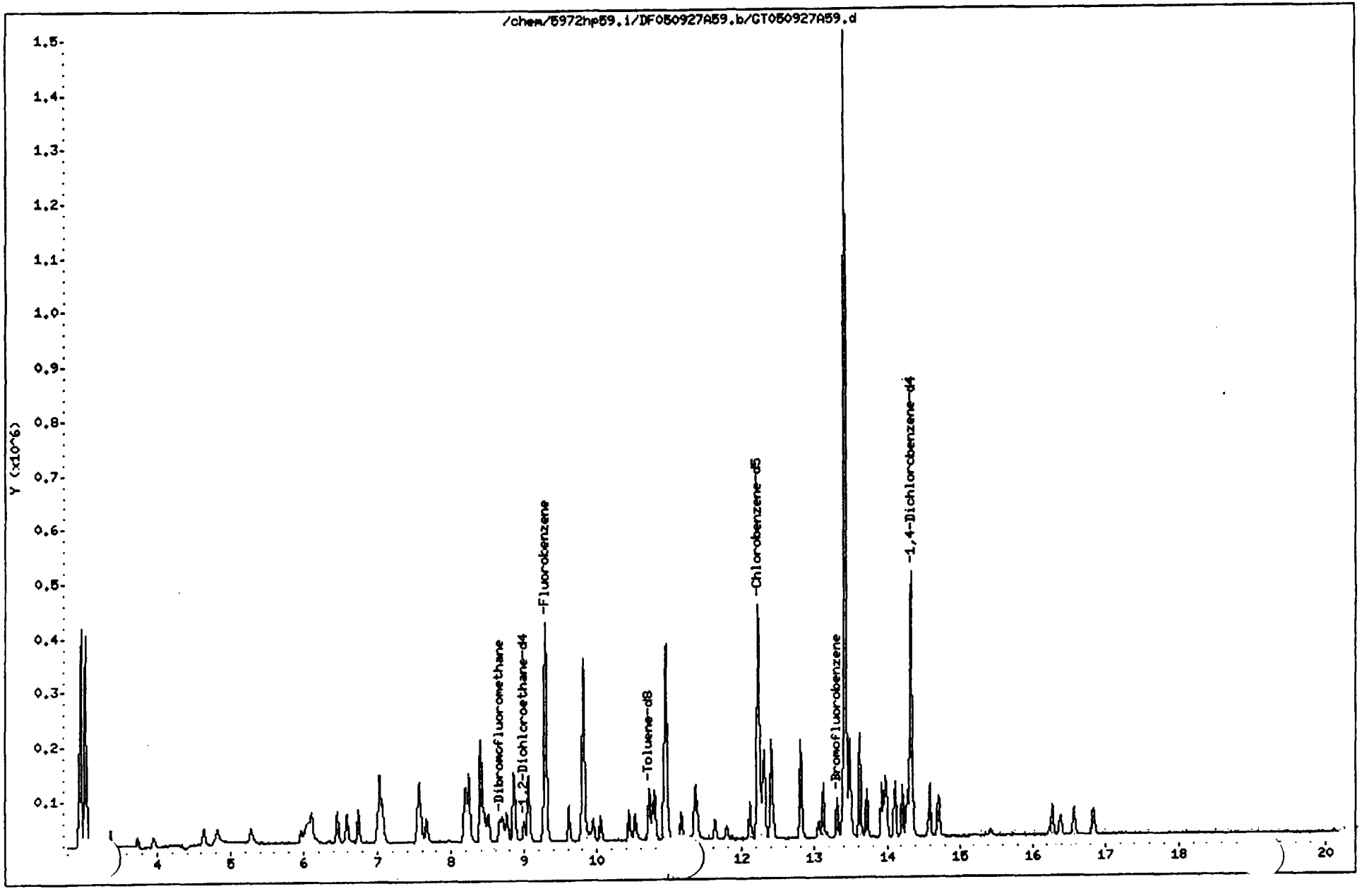
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 14:02
Retention Time: 6.59
Operator ID: 2473

Data File: /chem/5972hp59.i/DF050927A59.b/GT050927A59.d
Date : 27-SEP-2005 11:07
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/DF050927A59.b/GT050927A59.d
Report Date: 27-Sep-2005 22:50

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GT050927A59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 27-SEP-2005 11:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD010:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:50 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 11:07 Cal File: GT050927A59.d
Als bottle: 8 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	9.294	9.294	(1.000)	514541	250.000	
* 2 Chlorobenzene-d5	117	12.220	12.220	(1.000)	320573	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	155353	250.000	
$ 4 Dibromofluoromethane	113	8.664	8.664	(0.932)	30450	50.0000	51
$ 5 1,2-Dichloroethane-d4	65	8.999	8.999	(0.968)	27348	50.0000	51
$ 6 Toluene-d8	98	10.722	10.722	(0.877)	92297	50.0000	50
$ 7 Bromofluorobenzene	95	13.313	13.313	(0.929)	36171	50.0000	50
8 Dichlorodifluoromethane	85	3.384	3.384	(0.364)	33974	50.0000	53
9 Chloromethane	50	3.739	3.739	(0.402)	27468	50.0000	50
10 Vinyl Chloride	62	3.956	3.956	(0.426)	22038	50.0000	50
11 Bromomethane	94	4.645	4.645	(0.500)	26631	50.0000	54
12 Chloroethane	64	4.832	4.832	(0.520)	24015	50.0000	63
13 Trichlorofluoromethane	101	5.285	5.285	(0.569)	36550	50.0000	51
14 Acrolein	56	5.965	5.965	(0.642)	32127	500.000	500
15 1,1-Dichloroethene	96	6.113	6.113	(0.658)	26511	50.0000	50

9-28-05

Data File: /chem/5972hp59.i/DF050927A59.b/GT050927A59.d
Report Date: 27-Sep-2005 22:50

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	6.034	6.034	(0.649)	10522	50.0000	47	
17 Acetone	43	6.172	6.172	(0.664)	16326	125.000	130 (M)	
18 Iodomethane	142	6.349	6.349	(0.683)	6391	50.0000	46 (M)	2
19 1,1,2-trichloro-1,2,2-trifluo	101	6.063	6.063	(0.652)	27107	50.0000	47	2
20 Carbon disulfide	76	6.457	6.457	(0.695)	102428	50.0000	50	
21 3-Chloropropene	76	6.586	6.586	(0.709)	15526	50.0000	49	
22 Acetonitrile	41	6.586	6.586	(0.709)	45104	50.0000	50	
23 Methyl acetate	43	6.586	6.586	(0.709)	17356	50.0000	38 (M)	
24 Methylene Chloride	84	6.743	6.743	(0.726)	33501	50.0000	52 (M)	2
25 Acrylonitrile	53	7.029	7.029	(0.756)	95598	500.000	490	2
26 trans-1,2-Dichloroethene	96	7.078	7.078	(0.762)	30752	50.0000	50	
27 trans-1,2-DCE (part of total)	96	7.078	7.078	(0.762)	30752	50.0000	50	
169 Isopropanol	45	Compound Not Detected.						
28 Methyl-tert-butyl ether	73	7.019	7.019	(0.755)	61464	50.0000	50	
168 tert-butyl-alcohol	59	Compound Not Detected.						
29 1,1-Dichloroethane	63	7.570	7.570	(0.815)	54004	50.0000	50	
30 Chloroprene	53	7.669	7.669	(0.825)	36707	50.0000	49	
31 Vinyl acetate	43	7.570	7.570	(0.815)	89231	50.0000	49 (M)	
32 Isopropyl ether	45	7.561	7.561	(0.813)	98914	50.0000	50	2
33 cis-1,2-Dichloroethene	96	8.201	8.201	(0.882)	32027	50.0000	50	
34 cis-1,2-DCE (part of total)	96	8.201	8.201	(0.882)	32027	50.0000	50	
35 2,2-Dichloropropane	77	8.191	8.191	(0.881)	38861	50.0000	51	
36 Propionitrile	54	8.240	8.240	(0.887)	158723	2500.00	2500	
37 2-butanone	43	8.171	8.171	(0.879)	28877	125.000	120 (M)	
Methacrylonitrile	41	8.398	8.398	(0.904)	133612	500.000	500	1
39 Bromochloromethane	128	8.457	8.457	(0.910)	13745	50.0000	52	
40 Chloroform	83	8.506	8.506	(0.915)	49190	50.0000	51	
41 1,1,1-Trichloroethane	97	8.703	8.703	(0.936)	37494	50.0000	51	
42 Cyclohexane	56	8.762	8.762	(0.943)	36024	50.0000	40 (M)	
43 1,1-dichloropropene	75	8.861	8.861	(0.953)	36915	50.0000	51	2
44 Carbon Tetrachloride	117	8.871	8.871	(0.954)	28787	50.0000	49	
45 1,2-Dichloroethane	62	9.068	9.068	(0.976)	30538	50.0000	49	
46 Isobutyl alcohol	43	8.851	8.851	(0.952)	44921	2500.00	2500 (M)	
47 Benzene	78	9.068	9.068	(0.976)	108305	50.0000	50	2
48 Trichloroethene	130	9.619	9.619	(1.035)	25746	50.0000	50	
49 Methylcyclohexane	83	9.796	9.796	(1.054)	28141	50.0000	40	
50 1,2-Dichloropropane	63	9.826	9.826	(1.057)	30506	50.0000	52	
51 Dibromomethane	174	9.954	9.954	(1.071)	15386	50.0000	51	
52 1,4-dioxane	88	9.905	9.905	(1.066)	11262	2500.00	2500	
53 Methylmethacrylate	69	9.816	9.816	(1.056)	159889	500.000	490	
54 Bromodichloromethane	83	10.053	10.053	(1.082)	35528	50.0000	52	
55 2-chloroethyl vinyl ether	63	Compound Not Detected.						
56 cis-1,3-Dichloropropene	75	10.447	10.447	(1.124)	44862	50.0000	50	
57 4-Methyl-2-pentanone	43	10.525	10.525	(0.861)	56003	125.000	120 (M)	
58 Toluene	92	10.791	10.791	(0.883)	64618	50.0000	51	2
59 trans-1,3-Dichloropropene	75	10.959	10.959	(0.897)	38509	50.0000	53	
60 1,1,2-Trichloroethane	97	11.166	11.166	(0.914)	21896	50.0000	52	

Data File: /chem/5972hp59.i/DF050927A59.b/GT050927A59.d
Report Date: 27-Sep-2005 22:50

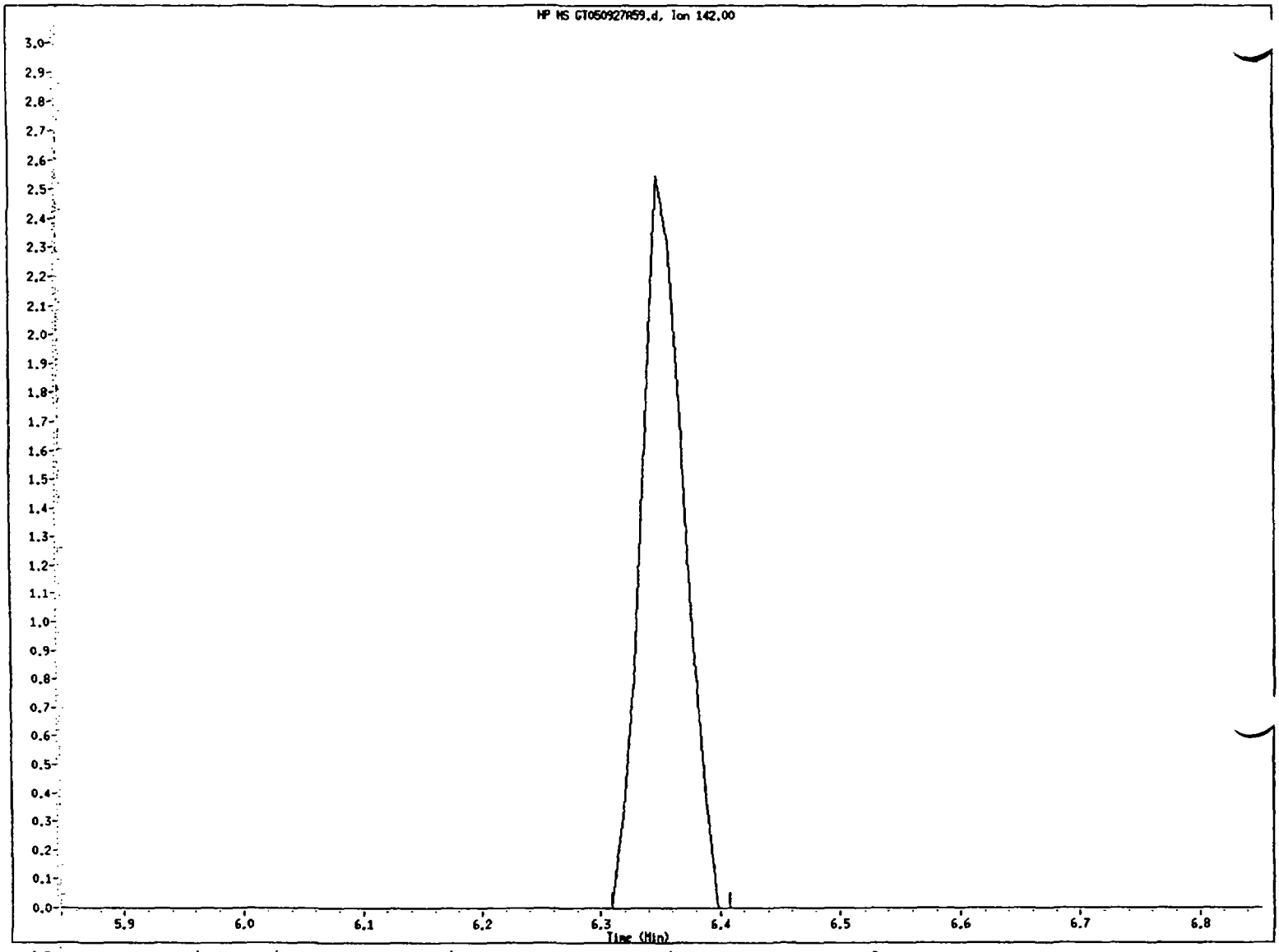
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	10.939	10.939	(0.895)	300314	500.000	500(M)
62 1,3-Dichloropropane	76	11.353	11.353	(0.929)	38713	50.0000	52
63 Tetrachloroethene	164	11.372	11.372	(0.931)	16460	50.0000	46
64 2-hexanone	43	11.353	11.353	(0.929)	38153	125.000	120
65 Dibromochloromethane	129	11.629	11.629	(0.952)	25940	50.0000	52
66 1,2-Dibromoethane	107	11.796	11.796	(0.965)	24199	50.0000	52
67 Chlorobenzene	112	12.249	12.249	(1.002)	65712	50.0000	51
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.298	12.298	(1.006)	22420	50.0000	51
70 Ethylbenzene	106	12.298	12.298	(1.006)	30667	50.0000	48
71 m,p-Xylene	106	12.407	12.407	(1.015)	76444	100.000	95
72 m,p-Xylene (part of total)	106	12.407	12.407	(1.015)	76444	100.000	95
73 o-Xylene	106	12.801	12.801	(1.048)	37241	50.0000	48
74 o-Xylene (part of total)	106	12.801	12.801	(1.048)	37241	50.0000	48
75 Styrene	104	12.810	12.810	(1.048)	68791	50.0000	49
76 Bromoform	173	13.057	13.057	(1.068)	17195	50.0000	53
78 Isopropyl Benzene	105	13.116	13.116	(1.073)	87189	50.0000	42
79 1,1,2,2-Tetrachloroethane	83	13.382	13.382	(0.933)	35948	50.0000	55
80 1,2,3-Trichloropropane	110	13.451	13.451	(1.101)	7298	50.0000	54
81 Bromobenzene	156	13.490	13.490	(1.104)	24694	50.0000	50
82 trans-1,4-dichloro-2-butene	53	13.411	13.411	(1.098)	359921	200.000	190
83 n-Propyl Benzene	91	13.490	13.490	(0.941)	115101	50.0000	38
84 2-Chlorotoluene	126	13.628	13.628	(0.951)	20945	50.0000	47
85 4-Chlorotoluene	126	13.717	13.717	(0.957)	21816	50.0000	47
86 1,3,5-Trimethyl Benzene	105	13.618	13.618	(0.950)	71995	50.0000	46
87 Pentachloroethane	167	13.992	13.992	(0.976)	14644	50.0000	51
88 tert-Butyl Benzene	119	13.923	13.923	(0.971)	56947	50.0000	44
89 1,2,4-Trimethyl Benzene	105	13.963	13.963	(0.974)	74874	50.0000	47
90 sec-Butyl Benzene	105	14.111	14.111	(0.984)	91030	50.0000	42
91 1,3-Dichlorobenzene	146	14.288	14.288	(0.997)	43294	50.0000	48
92 p-Isopropyl Toluene	119	14.219	14.219	(0.992)	67743	50.0000	41
93 1,4-Dichlorobenzene	146	14.357	14.357	(1.001)	44543	50.0000	47
94 1,2-Dichlorobenzene	146	14.711	14.711	(1.026)	39672	50.0000	48
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.593	(1.018)	78370	50.0000	41
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.440	(1.077)	4791	50.0000	51
97 1,2,4-Trichlorobenzene	180	16.268	16.268	(1.135)	24716	50.0000	45
98 Hexachlorobutadiene	225	16.386	16.386	(1.143)	10033	50.0000	47
99 Naphthalene	128	16.573	16.573	(1.156)	58392	50.0000	47
100 1,2,3-Trichlorobenzene	180	16.839	16.839	(1.174)	21895	50.0000	45
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				62779	100.000	100
M 102 Xylene (total)	106				113685	150.000	140

Data File: /chem/5972hp59.i/DF050927A59.b/GT050927A59.d
Report Date: 27-Sep-2005 22:50

Flag Legend

M - Compound response manually integrated.

Iodomethane CAS Number 74-88-4 Area = 6391 Manually integrated



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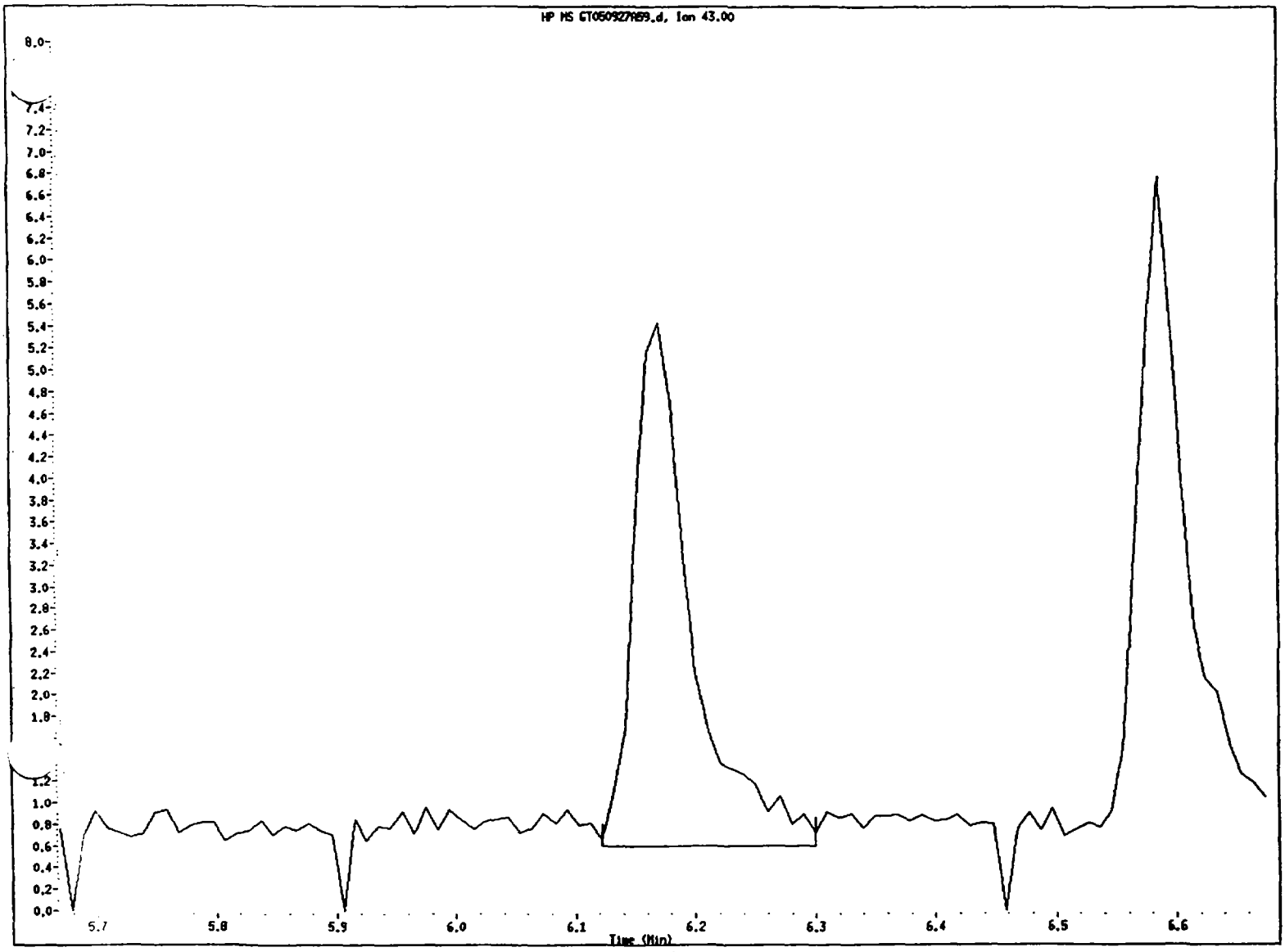
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 6.35
Operator ID: 2473

Acetone CAS Number 67-64-1 Area = 16326 Manually integrated



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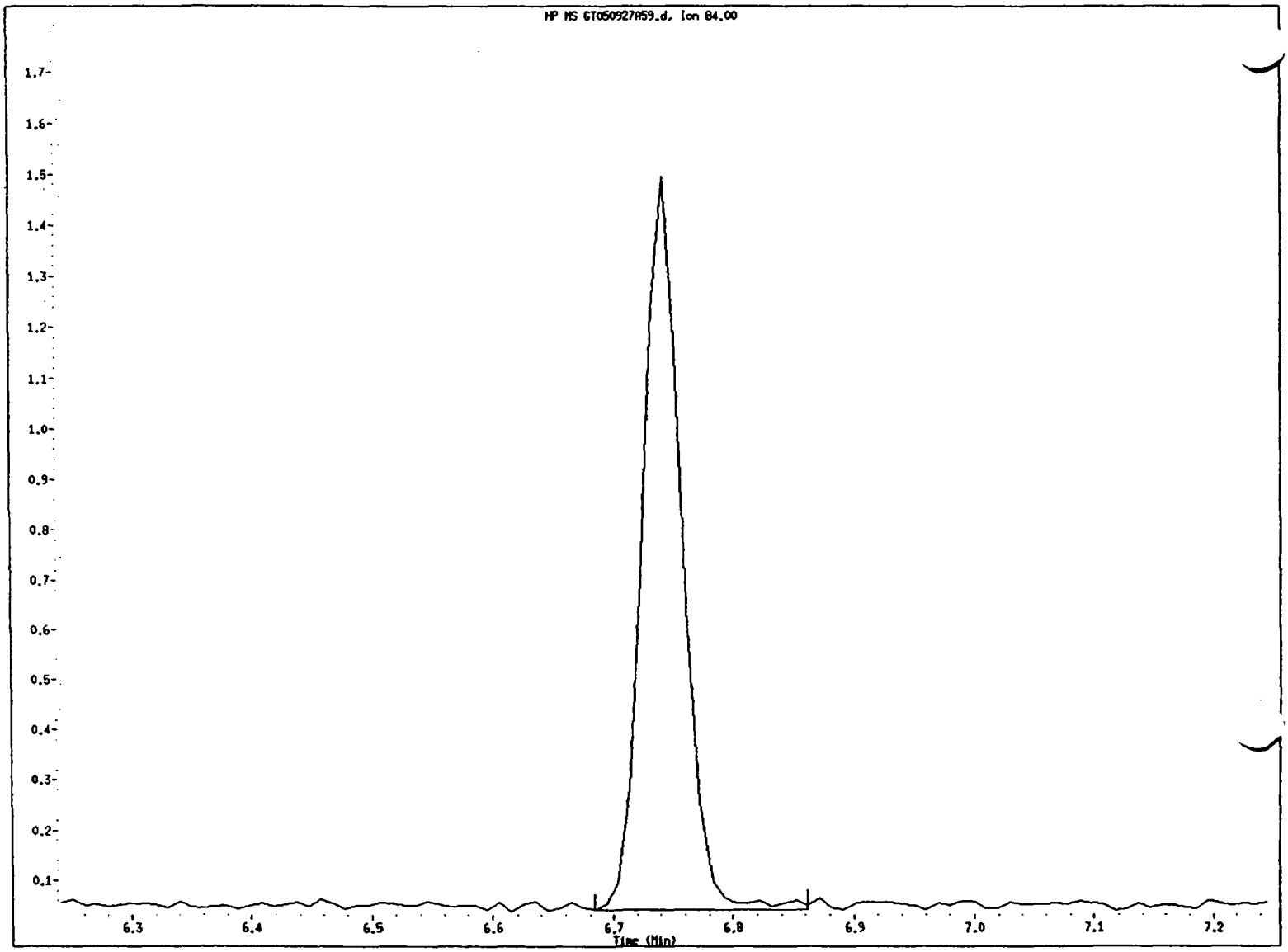
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 6.17
Operator ID: 2473

Methylene Chloride CAS Number 75-09-2 Area = 33501 Manually integrated



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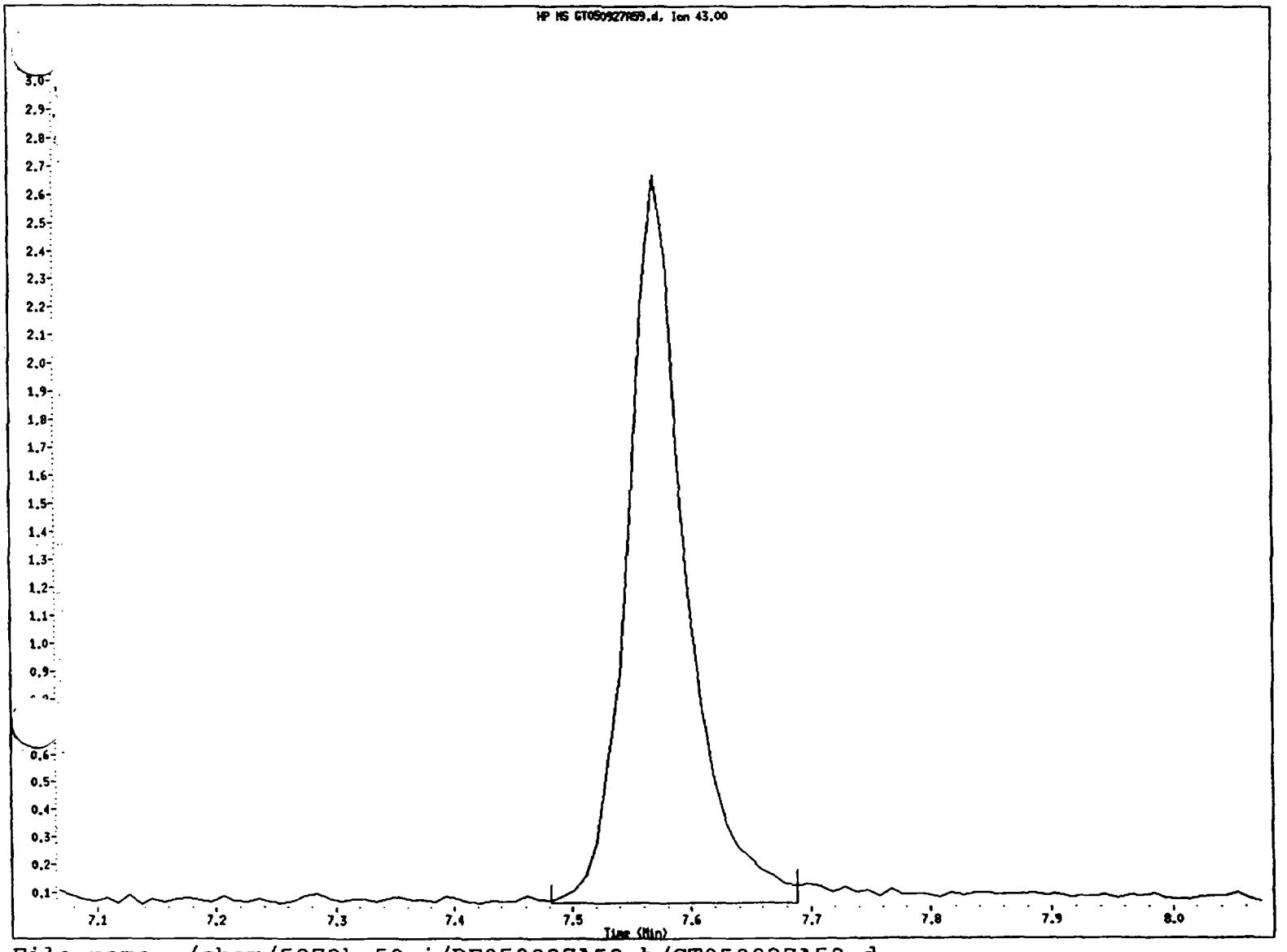
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 6.74
Operator ID: 2473

Vinyl acetate CAS Number 108-05-4 Area = 89231 Manually integrated



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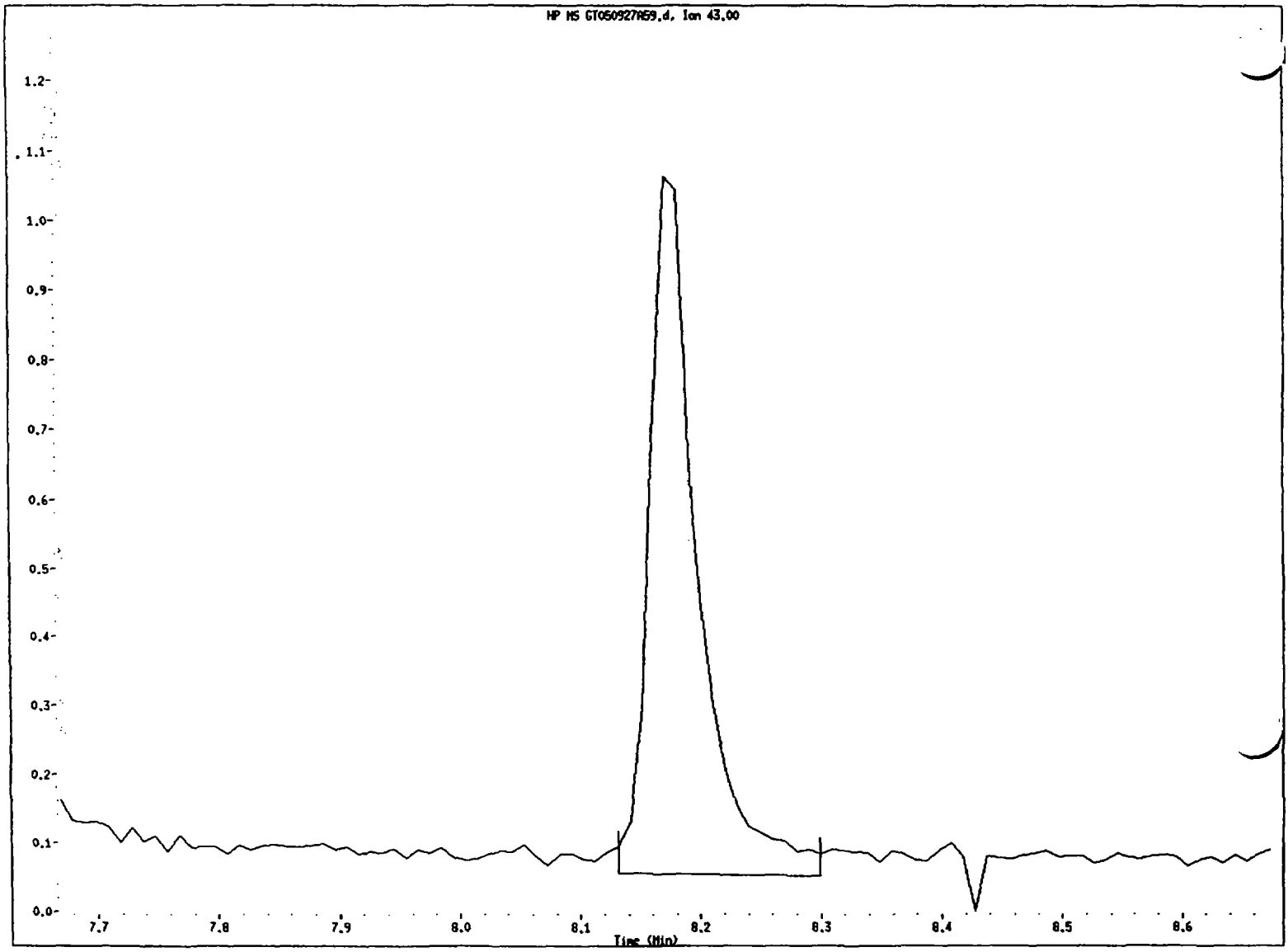
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 7.57
Operator ID: 2473

2-butanone CAS Number 78-93-3 Area = 28877 Manually integrated



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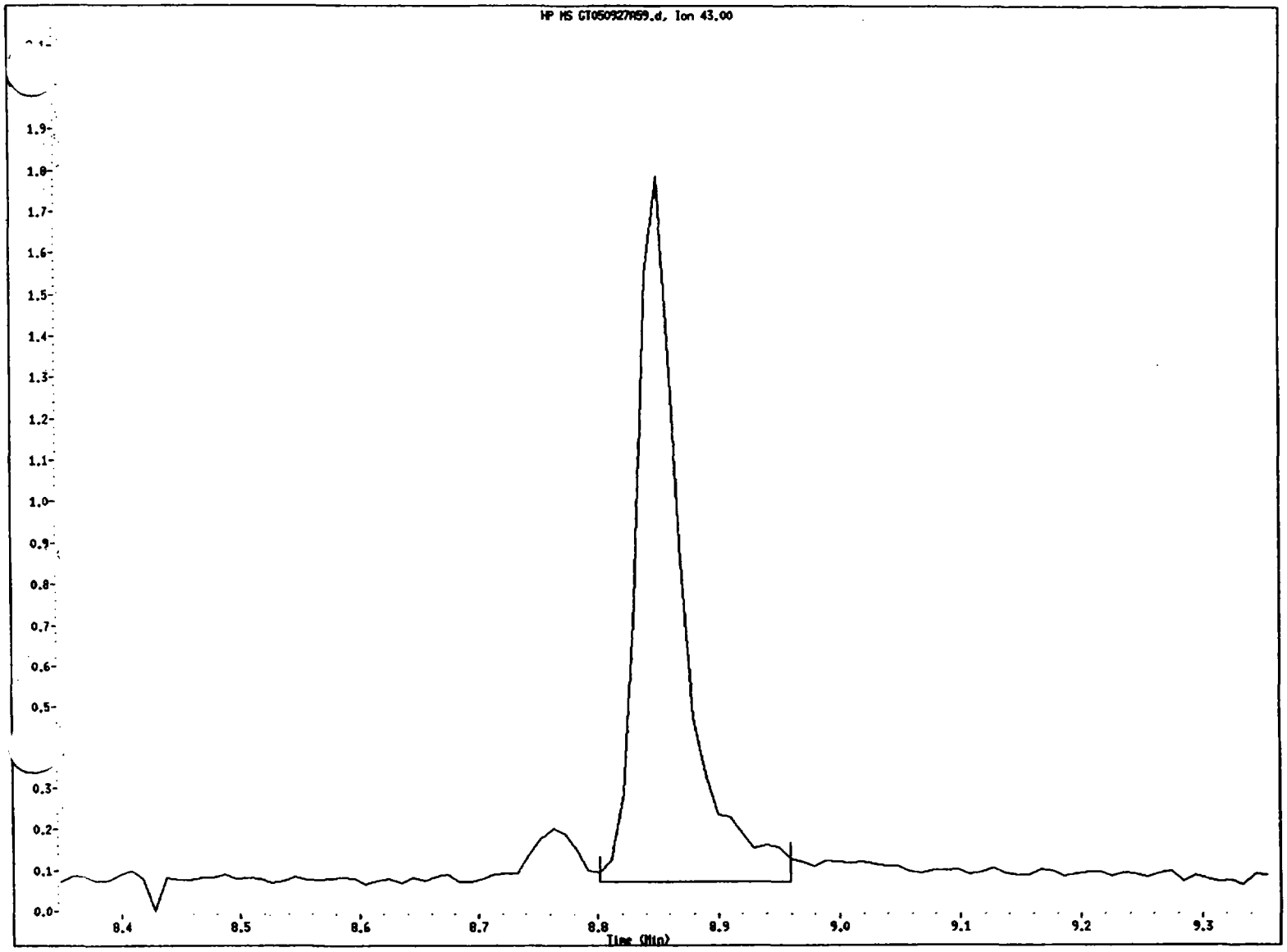
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 8.17
Operator ID: 2473

Isobutyl alcohol CAS Number 78-83-1 Area = 44921 Manually integrated



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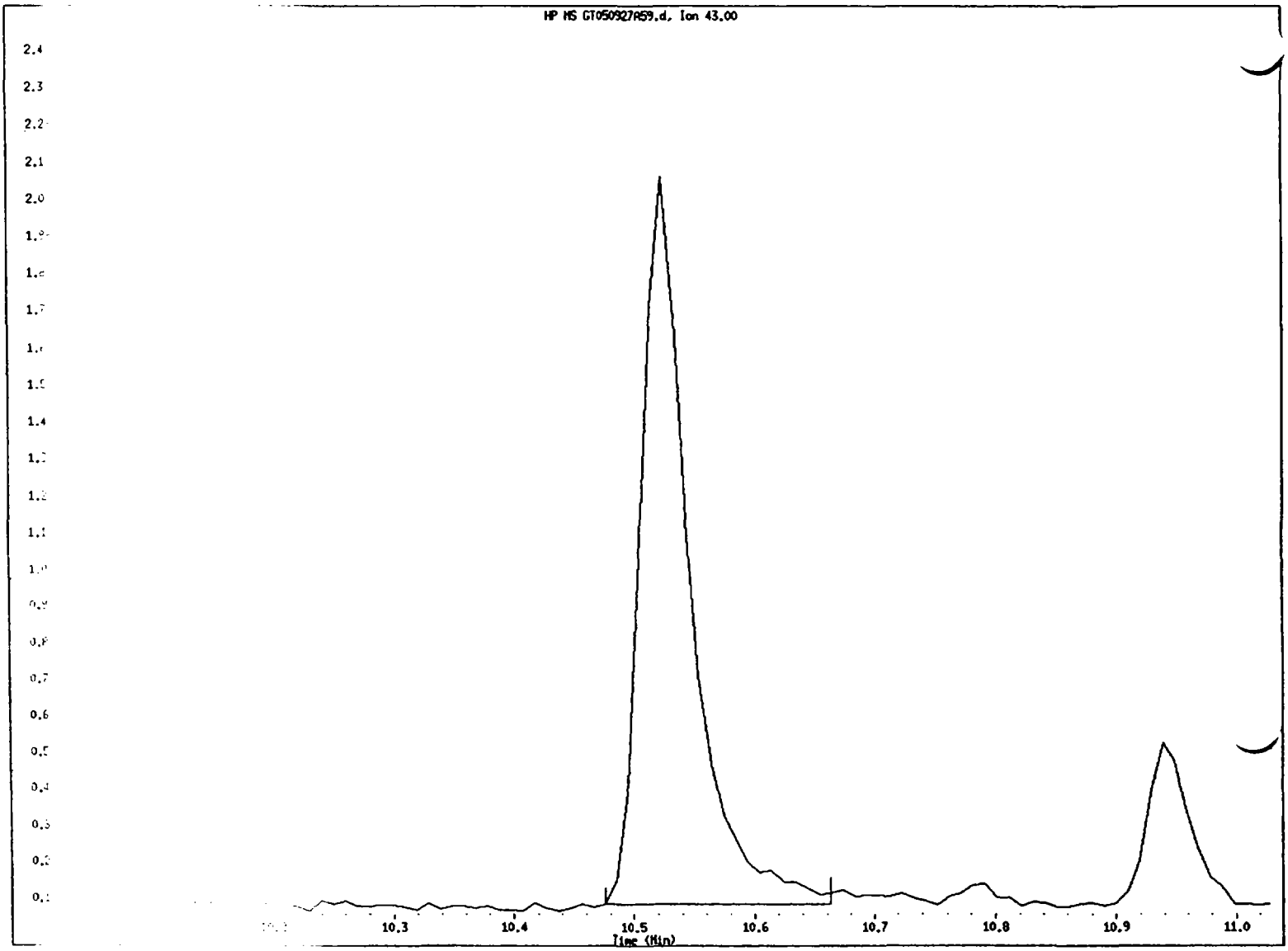
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 8.85
Operator ID: 2473

4-M[illegible]anone CAS Number 108-10-1 Area = 56003 Manually integrated



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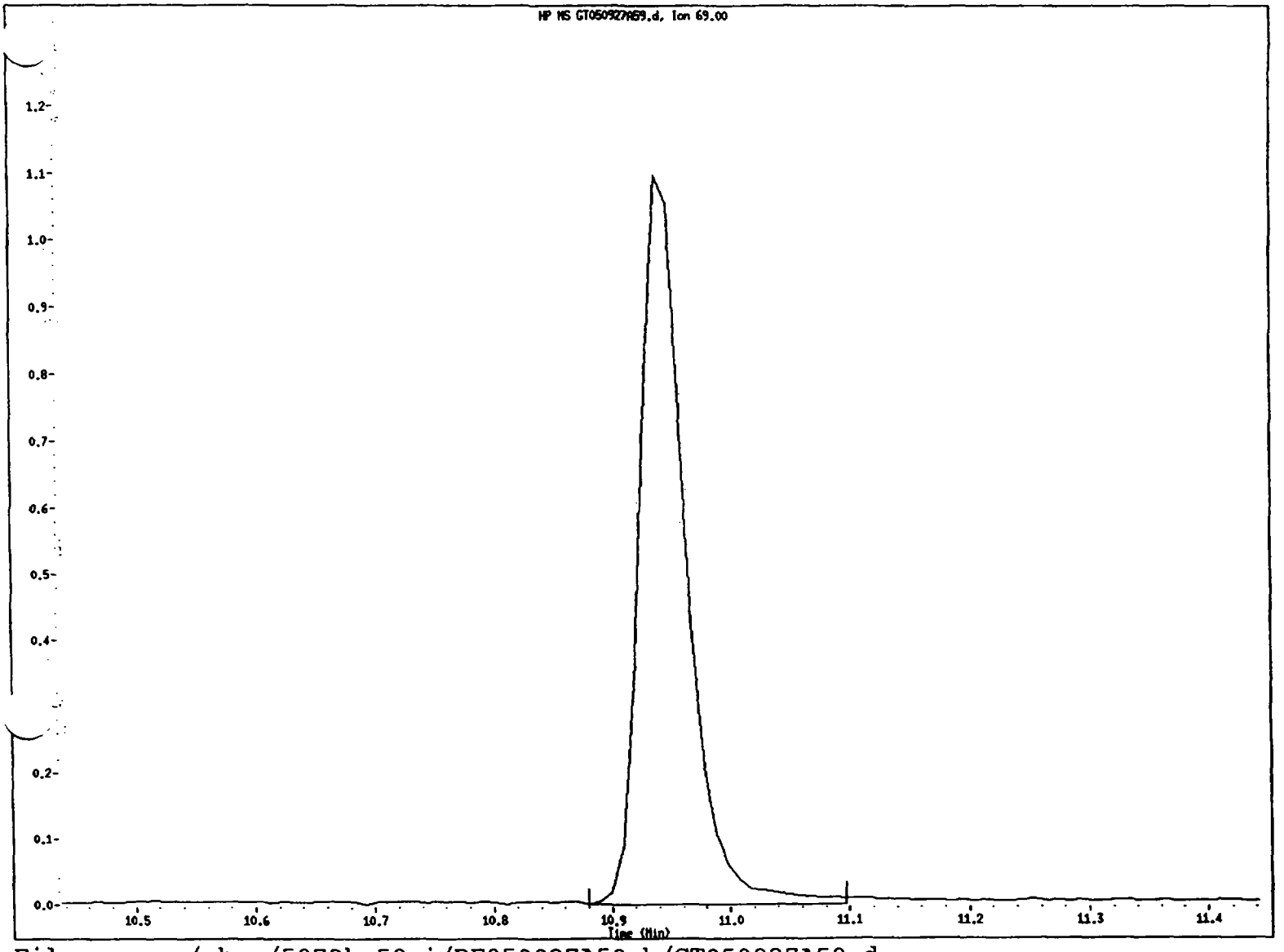
Cli[illegible]
Ins[illegible]72hp59.i
Inj[illegible] Time: 27-SEP-2005 11:07
Ret[illegible] 10.53
Ope[illegible]

Ethylmethacrylate CAS Number 97-63-2 Area = 300314 Manually integrated



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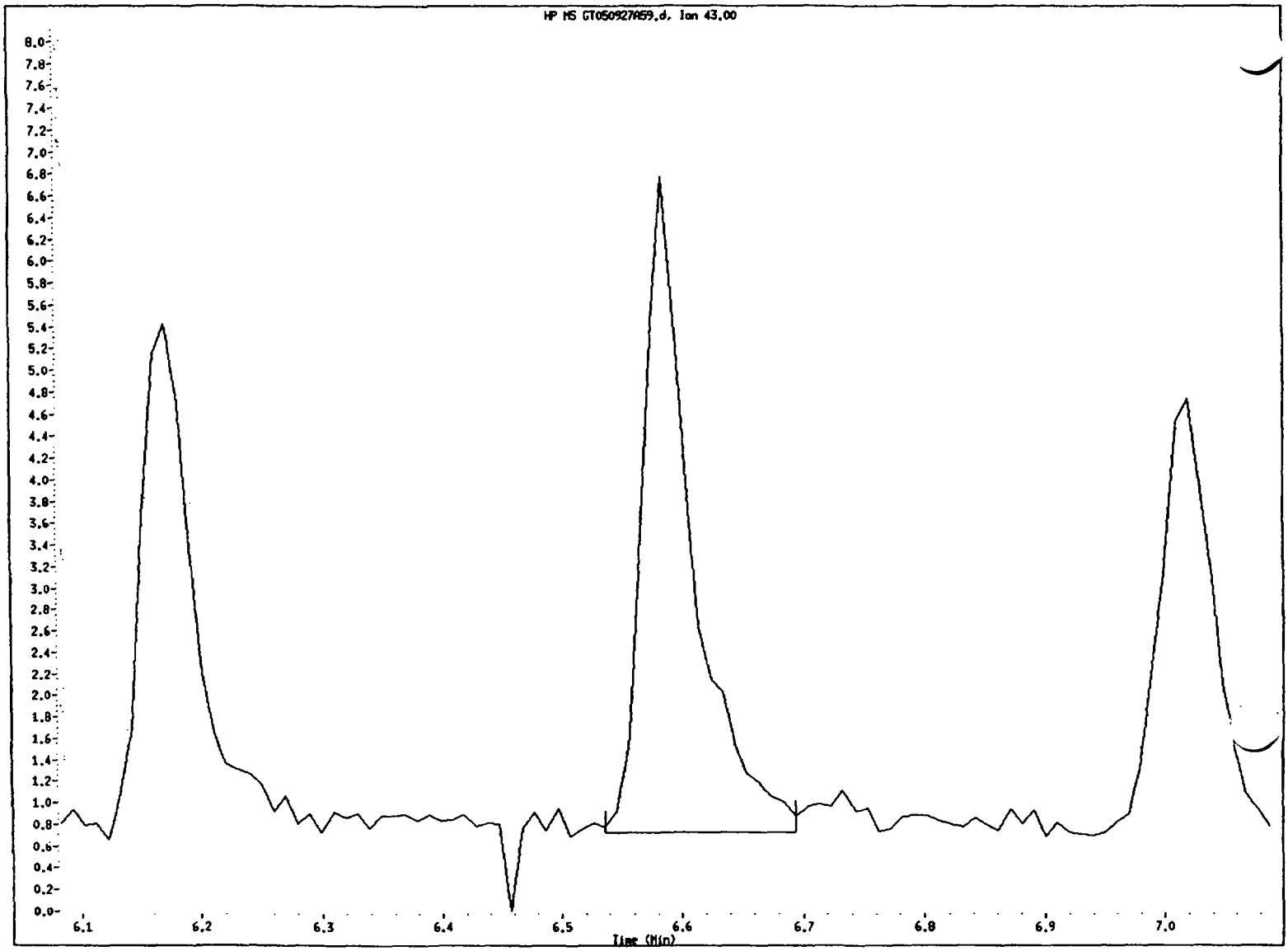
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 10.94
Operator ID: 2473

Methyl acetate CAS Number 79-20-9 Area = 17356 Manually integrated



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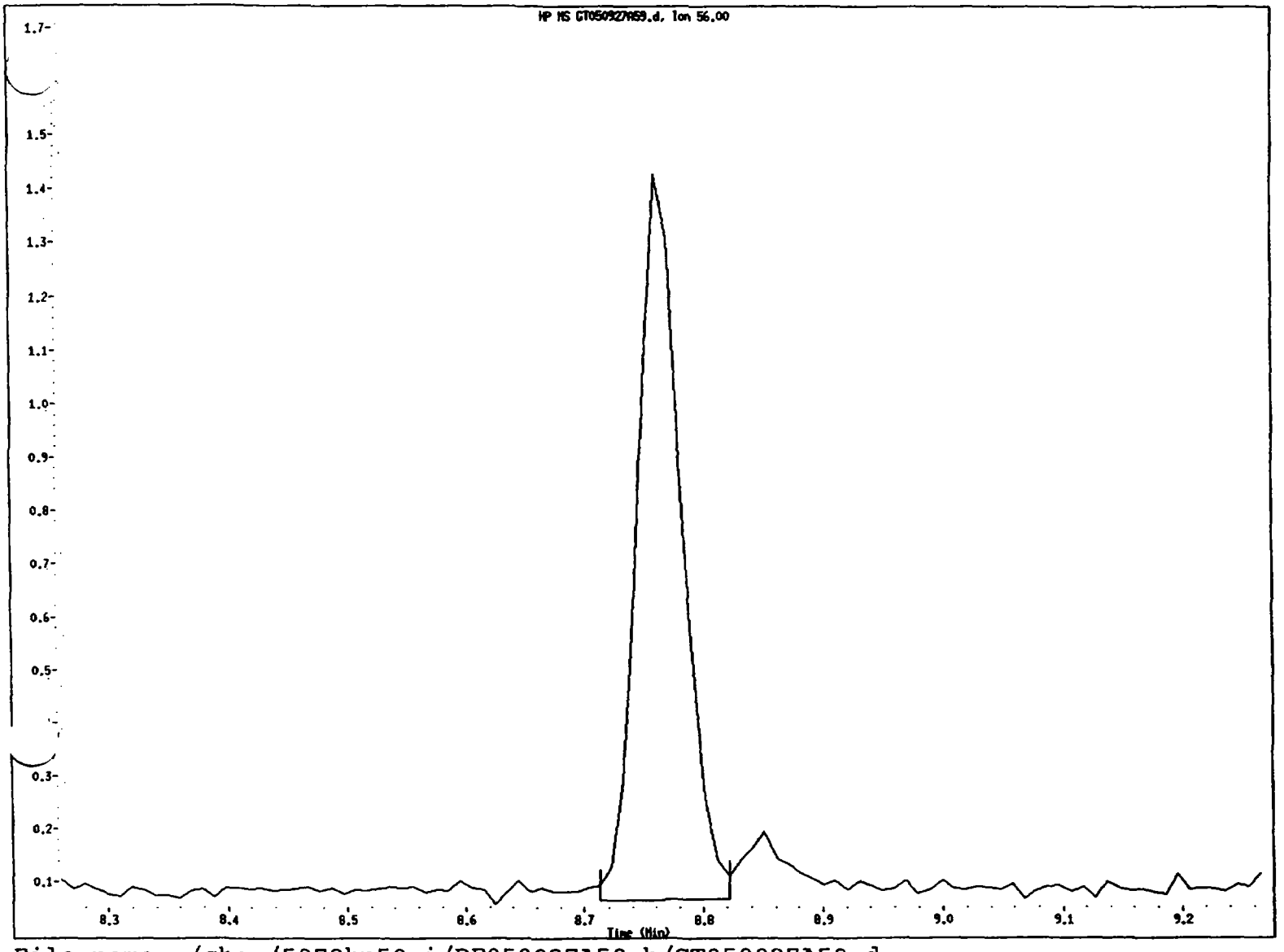
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 6.59
Operator ID: 2473

Cyclohexane CAS Number 110-82-7 Area = 36024 Manually integrated



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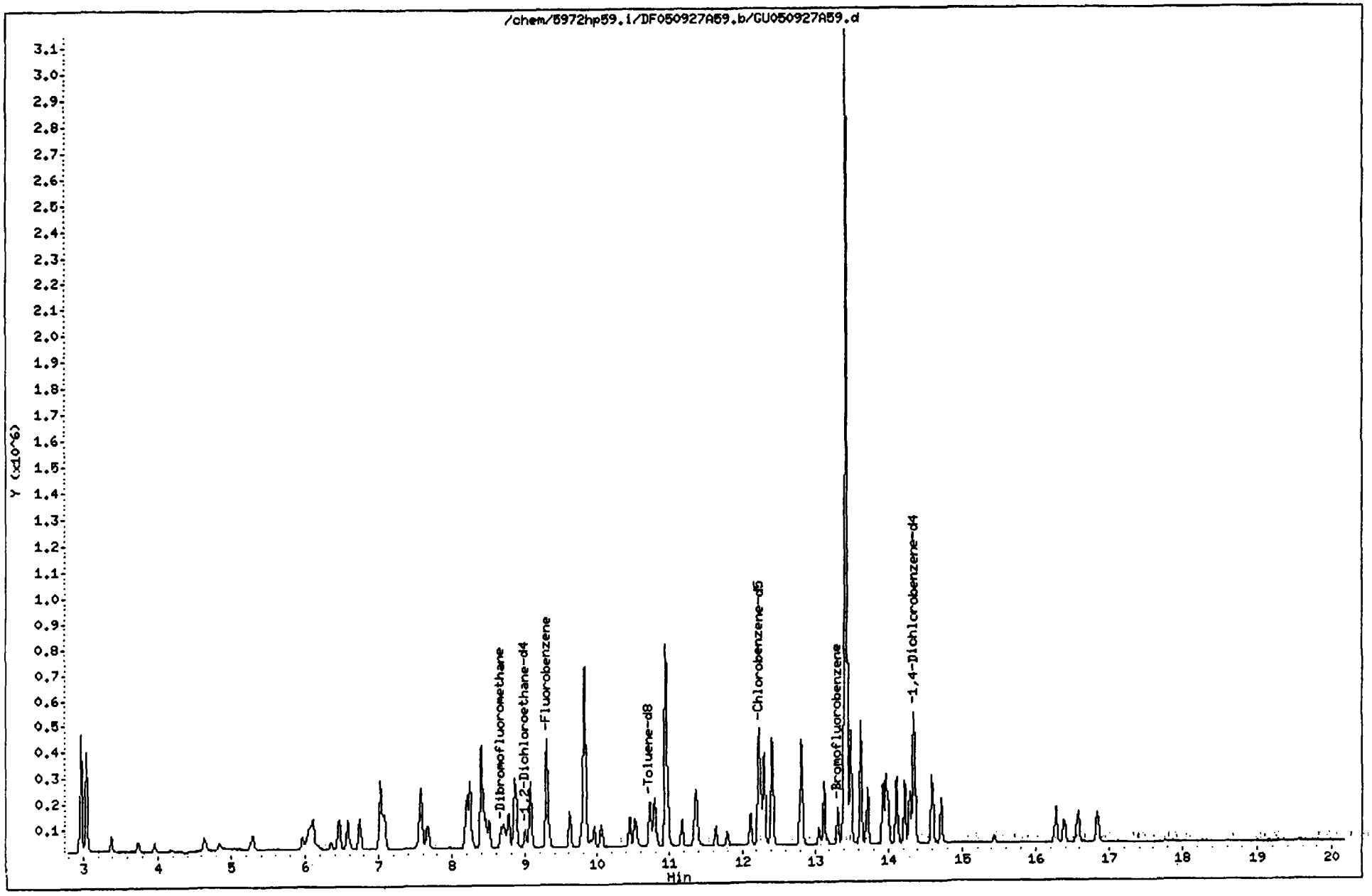
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:07
Retention Time: 8.76
Operator ID: 2473

Data File: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Date : 27-SEP-2005 11:35
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/DF050927A59.b/GU050927A59.d
Report Date: 27-Sep-2005 22:50

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 27-SEP-2005 11:35
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD020:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:50 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 11:35 Cal File: GU050927A59.d
Als bottle: 9 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	9.288	9.288	(1.000)	509907	250.000	
* 2 Chlorobenzene-d5	117	12.223	12.223	(1.000)	319343	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.331	14.331	(1.000)	154233	250.000	
$ 4 Dibromofluoromethane	113	8.667	8.667	(0.933)	56588	100.000	95
$ 5 1,2-Dichloroethane-d4	65	8.992	8.992	(0.968)	51272	100.000	96
$ 6 Toluene-d8	98	10.716	10.716	(0.877)	174736	100.000	96
$ 7 Bromofluorobenzene	95	13.307	13.307	(0.929)	67895	100.000	95
8 Dichlorodifluoromethane	85	3.378	3.378	(0.364)	68098	100.000	110
9 Chloromethane	50	3.743	3.743	(0.403)	52746	100.000	96
10 Vinyl Chloride	62	3.959	3.959	(0.426)	43213	100.000	99
11 Bromomethane	94	4.639	4.639	(0.499)	45826	100.000	95
12 Chloroethane	64	4.836	4.836	(0.521)	30399	100.000	76
13 Trichlorofluoromethane	101	5.289	5.289	(0.569)	73268	100.000	100
14 Acrolein	56	5.959	5.959	(0.642)	65721	1000.00	1000
15 1,1-Dichloroethene	96	6.106	6.106	(0.657)	52697	100.000	100

Data File: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Report Date: 27-Sep-2005 22:50

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	6.038	6.038	(0.650)	24022	100.000	110
17 Acetone	43	6.166	6.166	(0.664)	29873	250.000	230(M)
18 Iodomethane	142	6.353	6.353	(0.684)	41293	100.000	86
19 1,1,2-trichloro-1,2,2-trifluo	101	6.067	6.067	(0.653)	61018	100.000	110
20 Carbon disulfide	76	6.461	6.461	(0.696)	200063	100.000	99
21 3-Chloropropene	76	6.579	6.579	(0.708)	31117	100.000	99
22 Acetonitrile	41	6.579	6.579	(0.708)	87519	100.000	98
23 Methyl acetate	43	6.579	6.579	(0.708)	35160	100.000	92(M)
24 Methylene Chloride	84	6.737	6.737	(0.725)	64276	100.000	100
25 Acrylonitrile	53	7.022	7.022	(0.756)	195581	1000.00	1000
26 trans-1,2-Dichloroethene	96	7.072	7.072	(0.761)	61368	100.000	100
27 trans-1,2-DCE (part of total)	96	7.072	7.072	(0.761)	61368	100.000	100
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.013	7.013	(0.755)	121714	100.000	100
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.564	7.564	(0.814)	107082	100.000	100
30 Chloroprene	53	7.663	7.663	(0.825)	72133	100.000	96
31 Vinyl acetate	43	7.564	7.564	(0.814)	186262	100.000	100
32 Isopropyl ether	45	7.554	7.554	(0.813)	199583	100.000	100
33 cis-1,2-Dichloroethene	96	8.204	8.204	(0.883)	64041	100.000	100
34 cis-1,2-DCE (part of total)	96	8.204	8.204	(0.883)	64041	100.000	100
35 2,2-Dichloropropane	77	8.195	8.195	(0.882)	74128	100.000	98
36 Propionitrile	54	8.244	8.244	(0.888)	319956	5000.00	5100
37 2-butanone	43	8.165	8.165	(0.879)	57973	250.000	250
38 Methacrylonitrile	41	8.401	8.401	(0.905)	271443	1000.00	1000
39 Bromochloromethane	128	8.451	8.451	(0.910)	27389	100.000	100
40 Chloroform	83	8.500	8.500	(0.915)	96966	100.000	100
41 1,1,1-Trichloroethane	97	8.707	8.707	(0.937)	74025	100.000	100
42 Cyclohexane	56	8.766	8.766	(0.944)	87794	100.000	110
43 1,1-dichloropropene	75	8.855	8.855	(0.953)	74366	100.000	100
44 Carbon Tetrachloride	117	8.874	8.874	(0.955)	60888	100.000	100
45 1,2-Dichloroethane	62	9.061	9.061	(0.976)	62293	100.000	100
46 Isobutyl alcohol	43	8.845	8.845	(0.952)	94097	5000.00	5200(M)
47 Benzene	78	9.061	9.061	(0.976)	216099	100.000	100
48 Trichloroethene	130	9.613	9.613	(1.035)	52029	100.000	100
49 Methylcyclohexane	83	9.790	9.790	(1.054)	78394	100.000	120
50 1,2-Dichloropropane	63	9.820	9.820	(1.057)	60544	100.000	100
51 Dibromomethane	174	9.958	9.958	(1.072)	31342	100.000	100
52 1,4-dioxane	88	9.908	9.908	(1.067)	23491	5000.00	5300
53 Methylmethacrylate	69	9.820	9.820	(1.057)	327648	1000.00	1000
54 Bromodichloromethane	83	10.056	10.056	(1.083)	70136	100.000	100
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.440	10.440	(1.124)	91207	100.000	100
57 4-Methyl-2-pentanone	43	10.519	10.519	(0.861)	120365	250.000	260(M)
58 Toluene	92	10.785	10.785	(0.882)	130058	100.000	100
59 trans-1,3-Dichloropropene	75	10.953	10.953	(0.896)	76869	100.000	110
60 1,1,2-Trichloroethane	97	11.169	11.169	(0.914)	44628	100.000	110

Data File: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Report Date: 27-Sep-2005 22:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	604026	1000.00	1000
62 1,3-Dichloropropane	76	11.356	11.356	(0.929)	78511	100.000	110
63 Tetrachloroethene	164	11.366	11.366	(0.930)	38751	100.000	110
64 2-hexanone	43	11.337	11.337	(0.927)	81089	250.000	260
65 Dibromochloromethane	129	11.632	11.632	(0.952)	52087	100.000	100
66 1,2-Dibromoethane	107	11.790	11.790	(0.965)	48879	100.000	100
67 Chlorobenzene	112	12.253	12.253	(1.002)	133980	100.000	100
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.302	12.302	(1.006)	47269	100.000	110
70 Ethylbenzene	106	12.302	12.302	(1.006)	68837	100.000	110
71 m,p-Xylene	106	12.400	12.400	(1.014)	173307	200.000	220
72 m,p-Xylene (part of total)	106	12.400	12.400	(1.014)	173307	200.000	220
73 o-Xylene	106	12.804	12.804	(1.048)	81749	100.000	110
74 o-Xylene (part of total)	106	12.804	12.804	(1.048)	81749	100.000	110
75 Styrene	104	12.814	12.814	(1.048)	148215	100.000	110
76 Bromoform	173	13.050	13.050	(1.068)	35097	100.000	110
78 Isopropyl Benzene	105	13.119	13.119	(1.073)	208525	100.000	120
79 1,1,2,2-Tetrachloroethane	83	13.376	13.376	(0.933)	72843	100.000	110
80 1,2,3-Trichloropropane	110	13.454	13.454	(1.101)	15196	100.000	110
81 Bromobenzene	156	13.484	13.484	(1.103)	52785	100.000	110
82 trans-1,4-dichloro-2-butene	53	13.415	13.415	(1.097)	704798	400.000	330
83 n-Propyl Benzene	91	13.484	13.484	(0.941)	280967	100.000	120
84 2-Chlorotoluene	126	13.622	13.622	(0.950)	48947	100.000	110
85 4-Chlorotoluene	126	13.710	13.710	(0.957)	50155	100.000	110
1,3,5-Trimethyl Benzene	105	13.622	13.622	(0.950)	174625	100.000	110
Pentachloroethane	167	13.996	13.996	(0.977)	28953	100.000	100
88 tert-Butyl Benzene	119	13.927	13.927	(0.972)	151322	100.000	130(M)
89 1,2,4-Trimethyl Benzene	105	13.966	13.966	(0.975)	177752	100.000	110
90 sec-Butyl Benzene	105	14.114	14.114	(0.985)	231892	100.000	120
91 1,3-Dichlorobenzene	146	14.282	14.282	(0.997)	97220	100.000	110
92 p-Isopropyl Toluene	119	14.213	14.213	(0.992)	172300	100.000	120
93 1,4-Dichlorobenzene	146	14.360	14.360	(1.002)	102150	100.000	110
94 1,2-Dichlorobenzene	146	14.715	14.715	(1.027)	90242	100.000	110
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.587	14.587	(1.018)	196302	100.000	120
96 1,2-Dibromo-3-Chloropropane	157	15.434	15.434	(1.077)	10422	100.000	110
97 1,2,4-Trichlorobenzene	180	16.271	16.271	(1.135)	59237	100.000	110
98 Hexachlorobutadiene	225	16.389	16.389	(1.144)	23546	100.000	110
99 Naphthalene	128	16.567	16.567	(1.156)	136331	100.000	110
100 1,2,3-Trichlorobenzene	180	16.843	16.843	(1.175)	54304	100.000	110
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				125409	200.000	200
M 102 Xylene (total)	106				255056	300.000	320

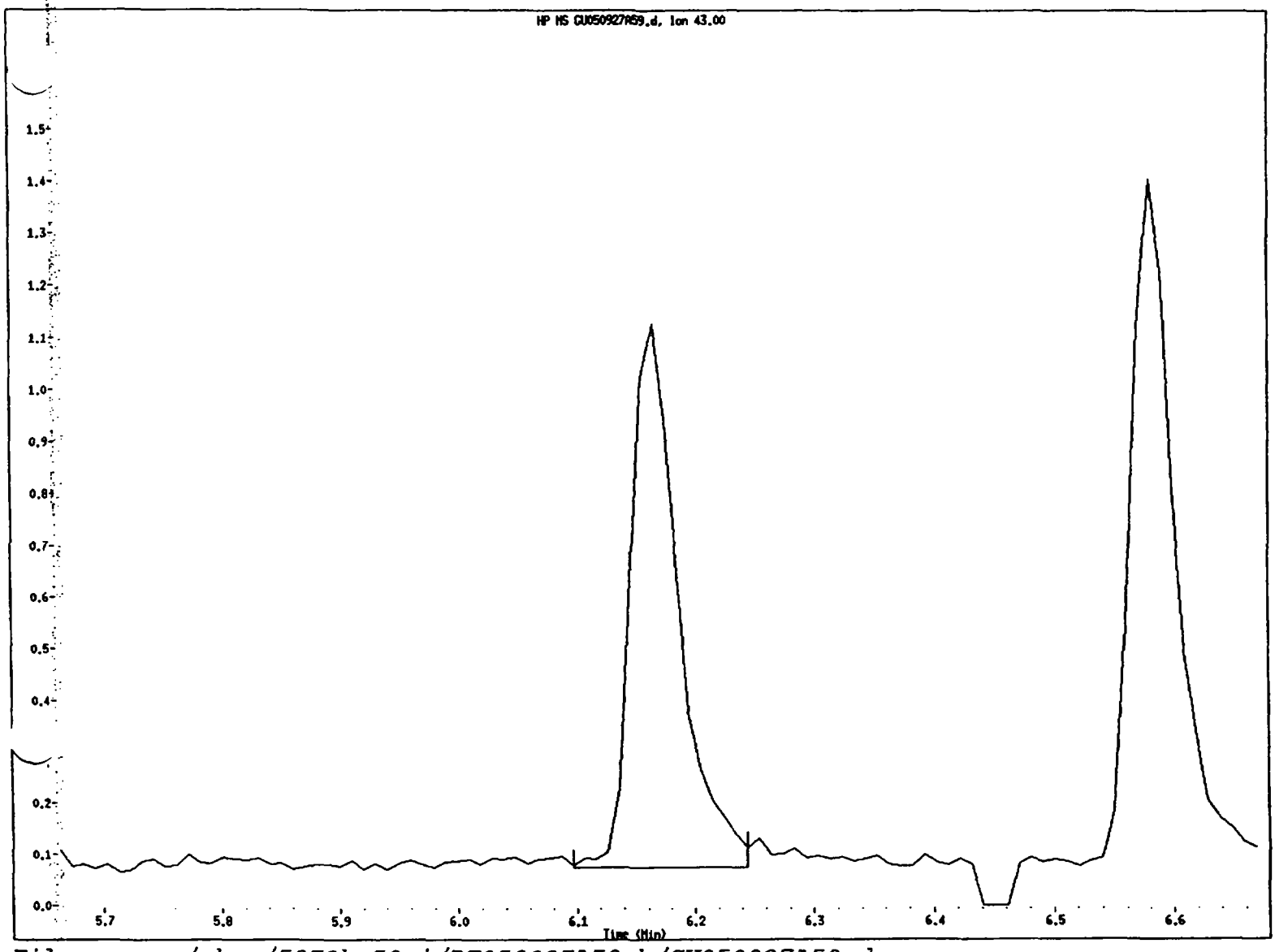
2

Data File: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Report Date: 27-Sep-2005 22:50

QC Flag Legend

M - Compound response manually integrated.

Acetone CAS Number 67-64-1 Area = 29873 Manually integrated



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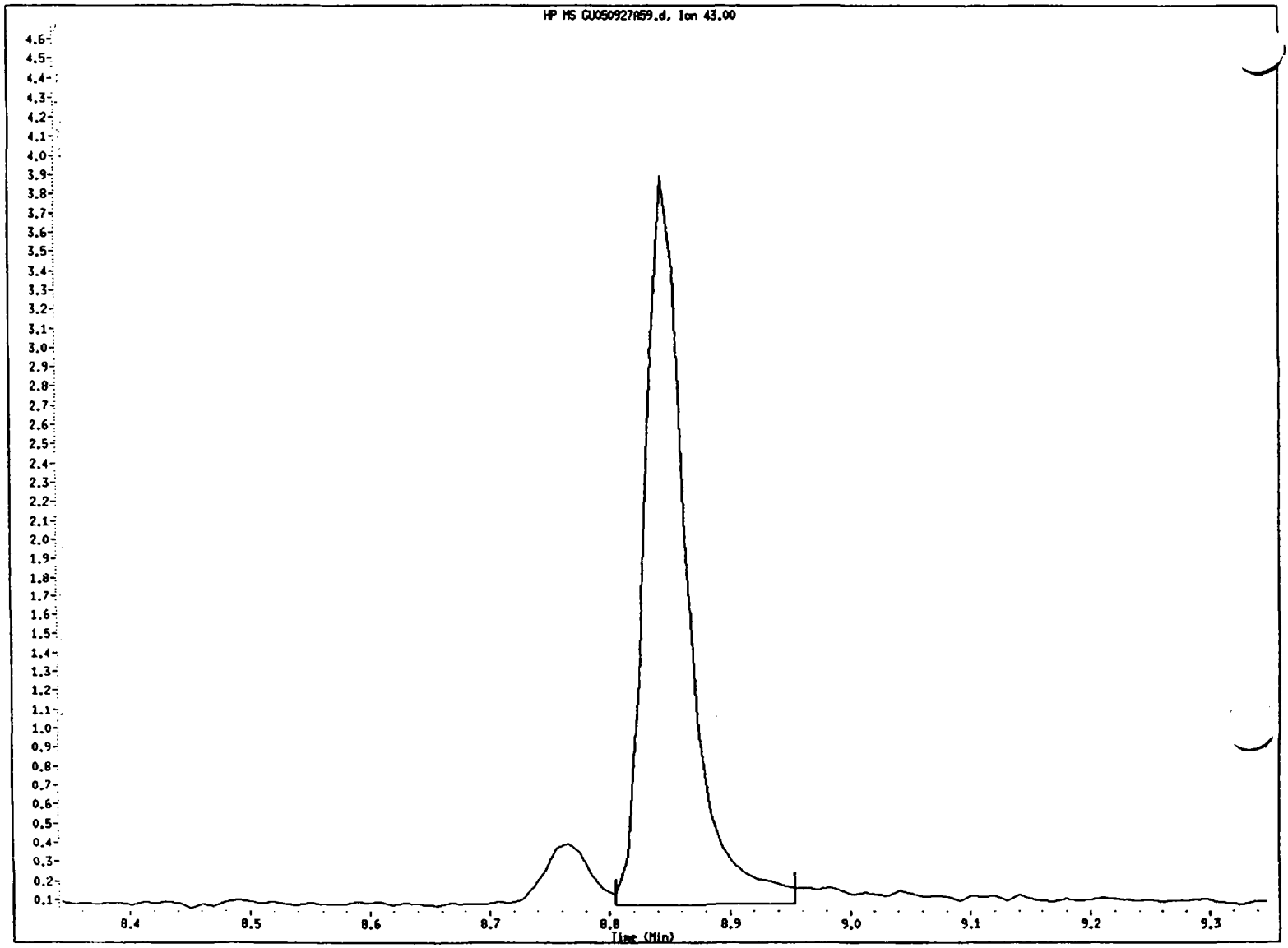
Client ID: VSTD020
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:35
Retention Time: 6.17
Operator ID: 2473

Isobutyl alcohol CAS Number 78-83-1 Area = 94097 Manually integrated



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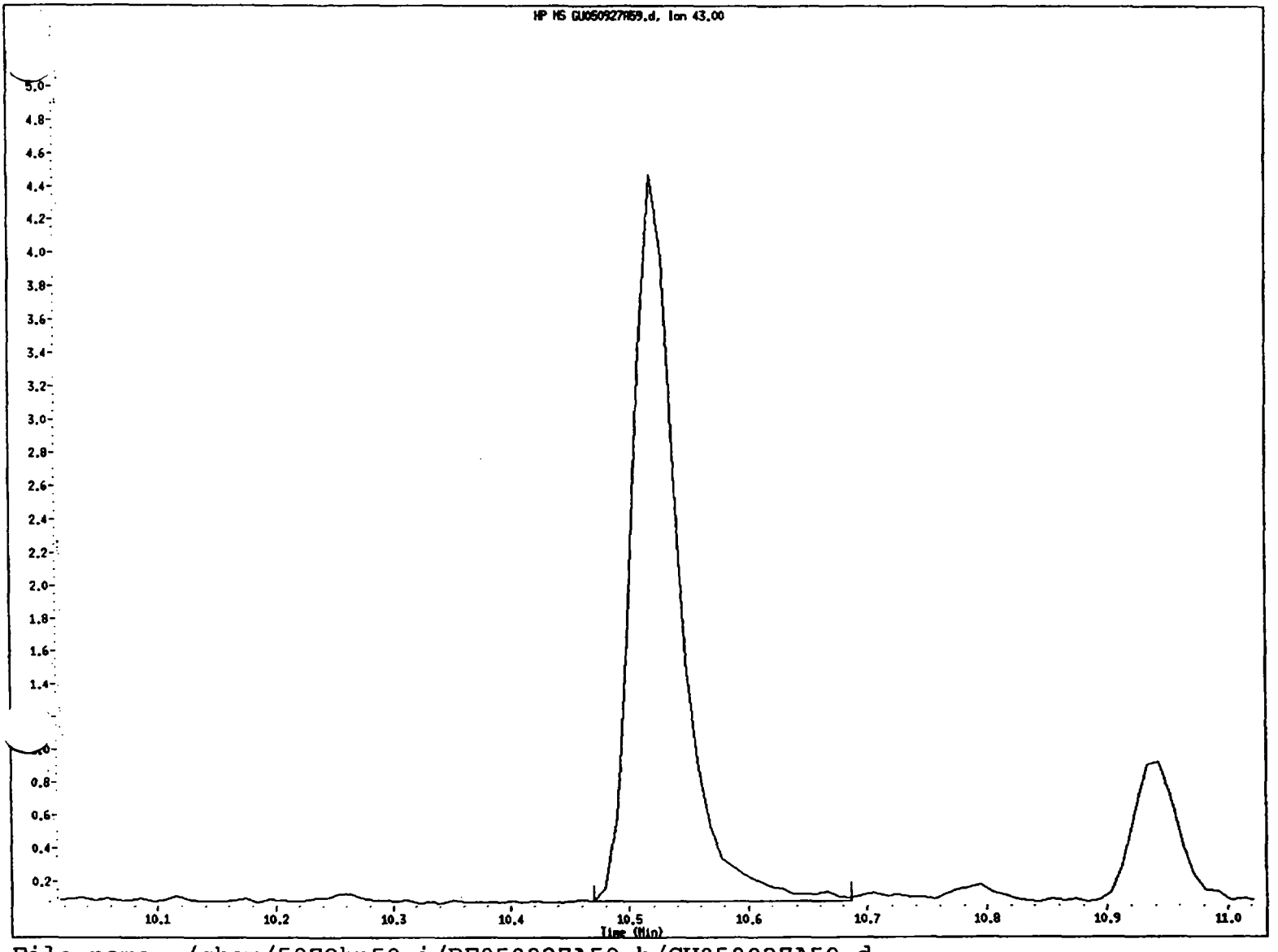
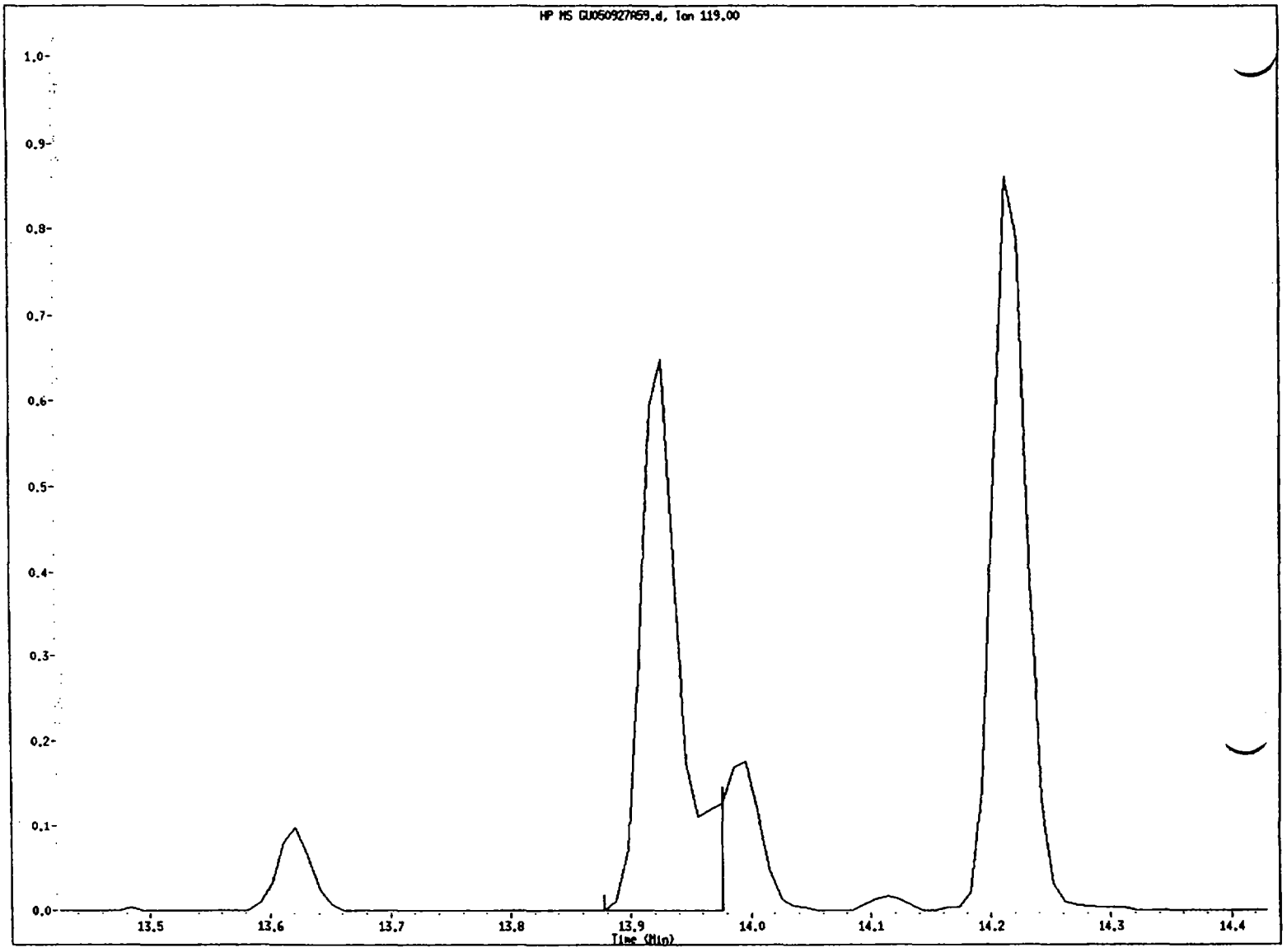
Client ID: VSTD020
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:35
Retention Time: 8.84
Operator ID: 2473

4-Methyl-2-pentanone CAS Number 108-10-1 Area = 120365 Manually integrated



File name: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Client ID: VSTD020
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:35
Retention Time: 10.52
Operator ID: 2473

tert-Butyl Benzene CAS Number 98-06-6 Area = 151322 Manually integrated



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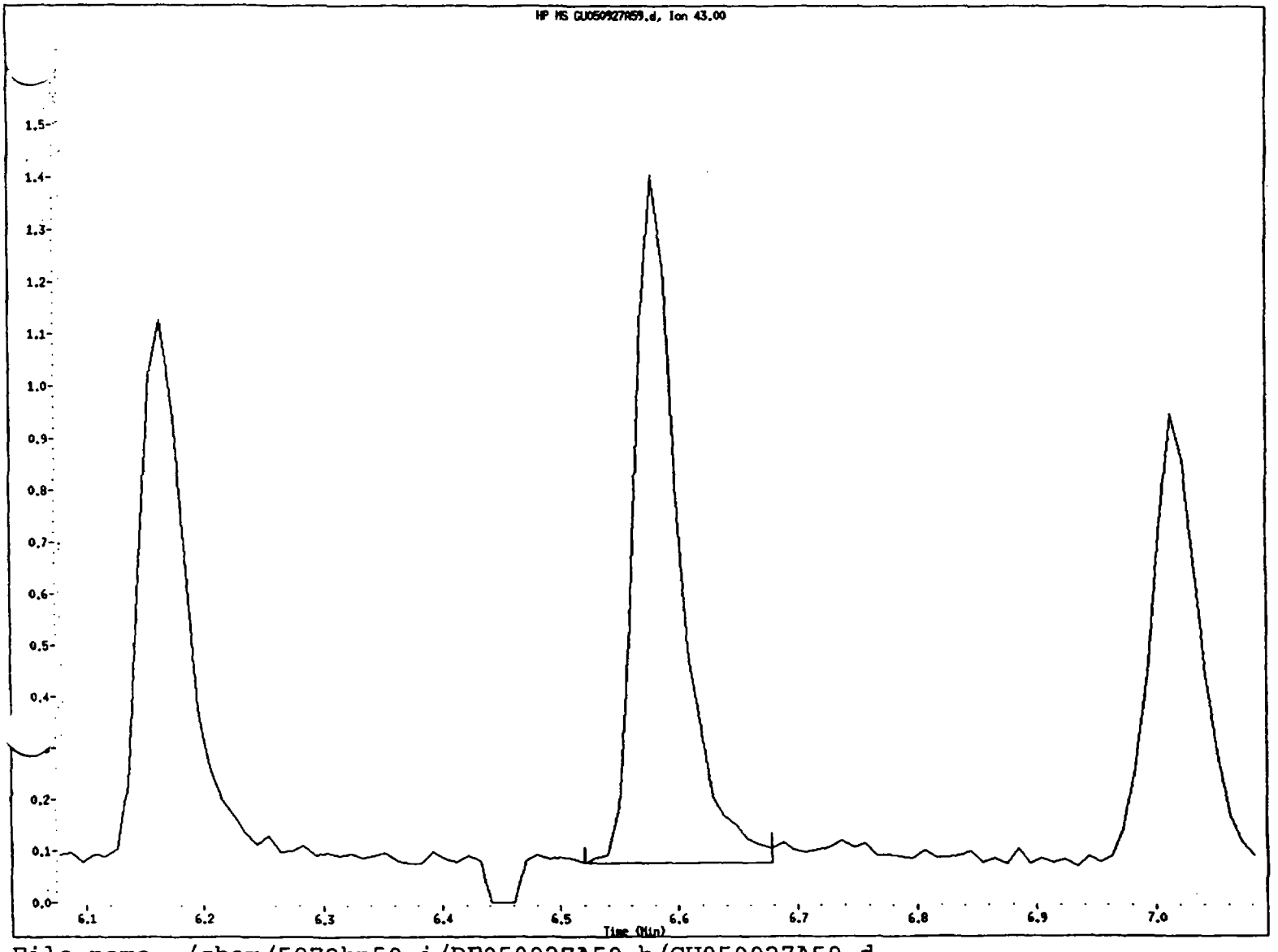
Client ID: VSTD020
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:35
Retention Time: 13.93
Operator ID: 2473

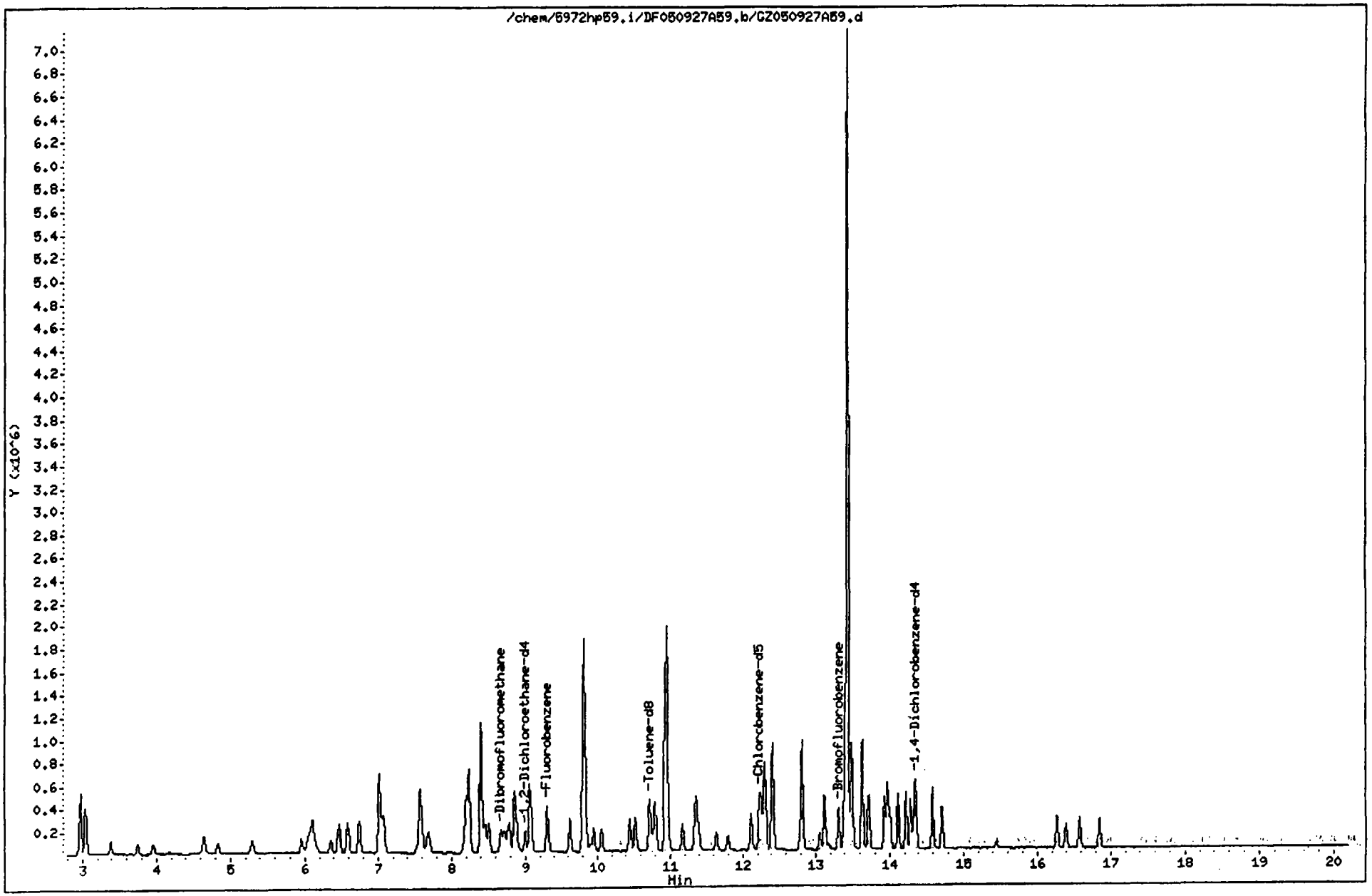
Methyl acetate CAS Number 79-20-9 Area = 35160 Manually integrated



File name: /chem/5972hp59.i/DF050927A59.b/GU050927A59.d
Client ID: VSTD020
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 11:35
Retention Time: 6.58
Operator ID: 2473

Data File: /chem/5972hp59.i/DF050927A59.b/GZ050927A59.d
Date : 27-SEP-2005 15:45
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/DF050927A59.b/GZ050927A59.d
Report Date: 27-Sep-2005 22:51

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GZ050927A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 27-SEP-2005 15:45
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD050:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 15 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	9.295	9.295	(1.000)	505211	250.000	
* 2 Chlorobenzene-d5	117	12.230	12.230	(1.000)	316198	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.338	14.338	(1.000)	151362	250.000	
$ 4 Dibromofluoromethane	113	8.664	8.664	(0.932)	137138	250.000	230
$ 5 1,2-Dichloroethane-d4	65	8.999	8.999	(0.968)	131112	250.000	250
$ 6 Toluene-d8	98	10.723	10.723	(0.877)	439410	250.000	240
$ 7 Bromofluorobenzene	95	13.313	13.313	(0.929)	168893	250.000	240
8 Dichlorodifluoromethane	85	3.385	3.385	(0.364)	141436	250.000	220
9 Chloromethane	50	3.740	3.740	(0.402)	133584	250.000	250
10 Vinyl Chloride	62	3.956	3.956	(0.426)	104104	250.000	240
11 Bromomethane	94	4.646	4.646	(0.500)	143715	250.000	300
12 Chloroethane	64	4.833	4.833	(0.520)	117885	250.000	260
13 Trichlorofluoromethane	101	5.296	5.296	(0.570)	159788	250.000	230
14 Acrolein	56	5.956	5.956	(0.641)	162809	2500.00	2600
15 1,1-Dichloroethene	96	6.113	6.113	(0.658)	125512	250.000	240

Data File: /chem/5972hp59.i/DF050927A59.b/GZ050927A59.d
Report Date: 27-Sep-2005 22:51

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	6.045	6.045	(0.650)	52288	250.000	240
17 Acetone	43	6.163	6.163	(0.663)	94850	625.000	750
18 Iodomethane	142	6.360	6.360	(0.684)	183235	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.084	6.084	(0.655)	135130	250.000	240
20 Carbon disulfide	76	6.458	6.458	(0.695)	487284	250.000	240
21 3-Chloropropene	76	6.586	6.586	(0.709)	76164	250.000	250
22 Acetonitrile	41	6.586	6.586	(0.709)	219044	250.000	250
23 Methyl acetate	43	6.576	6.576	(0.708)	97741	250.000	280
24 Methylene Chloride	84	6.744	6.744	(0.726)	158247	250.000	250
25 Acrylonitrile	53	7.020	7.020	(0.755)	522299	2500.00	2800
26 trans-1,2-Dichloroethene	96	7.069	7.069	(0.760)	144158	250.000	240
27 trans-1,2-DCE (part of total)	96	7.069	7.069	(0.760)	144158	250.000	240
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.020	7.020	(0.755)	310571	250.000	260
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.571	7.571	(0.815)	267637	250.000	250
30 Chloroprene	53	7.680	7.680	(0.826)	182838	250.000	250
31 Vinyl acetate	43	7.571	7.571	(0.815)	477309	250.000	270
32 Isopropyl ether	45	7.561	7.561	(0.813)	493960	250.000	260
33 cis-1,2-Dichloroethene	96	8.202	8.202	(0.882)	154111	250.000	250
34 cis-1,2-DCE (part of total)	96	8.202	8.202	(0.882)	154111	250.000	250
35 2,2-Dichloropropane	77	8.202	8.202	(0.882)	180989	250.000	240
36 Propionitrile	54	8.241	8.241	(0.887)	840415	12500.0	14000
37 2-butanone	43	8.172	8.172	(0.879)	170076	625.000	730
38 Methacrylonitrile	41	8.399	8.399	(0.904)	721197	2500.00	2800
39 Bromochloromethane	128	8.458	8.458	(0.910)	66680	250.000	250
40 Chloroform	83	8.507	8.507	(0.915)	229257	250.000	240
41 1,1,1-Trichloroethane	97	8.704	8.704	(0.936)	169745	250.000	230
42 Cyclohexane	56	8.773	8.773	(0.944)	201110	250.000	270
43 1,1-dichloropropene	75	8.861	8.861	(0.953)	168842	250.000	240
44 Carbon Tetrachloride	117	8.881	8.881	(0.955)	134945	250.000	230
45 1,2-Dichloroethane	62	9.068	9.068	(0.976)	155275	250.000	260
46 Isobutyl alcohol	43	8.852	8.852	(0.952)	258615	12500.0	14000
47 Benzene	78	9.068	9.068	(0.976)	515198	250.000	240
48 Trichloroethene	130	9.620	9.620	(1.035)	121540	250.000	240
49 Methylcyclohexane	83	9.797	9.797	(1.054)	155663	250.000	260
50 1,2-Dichloropropane	63	9.827	9.827	(1.057)	146402	250.000	250
51 Dibromomethane	174	9.955	9.955	(1.071)	76838	250.000	260
52 1,4-dioxane	88	9.906	9.906	(1.066)	57135	12500.0	13000
53 Methylmethacrylate	69	9.817	9.817	(1.056)	860166	2500.00	2700
54 Bromodichloromethane	83	10.063	10.063	(1.083)	165857	250.000	250
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.447	10.447	(1.124)	220041	250.000	250
57 4-Methyl-2-pentanone	43	10.526	10.526	(0.861)	328568	625.000	710
58 Toluene	92	10.792	10.792	(0.882)	298931	250.000	240
59 trans-1,3-Dichloropropene	75	10.959	10.959	(0.896)	179525	250.000	250
60 1,1,2-Trichloroethane	97	11.166	11.166	(0.913)	106099	250.000	250

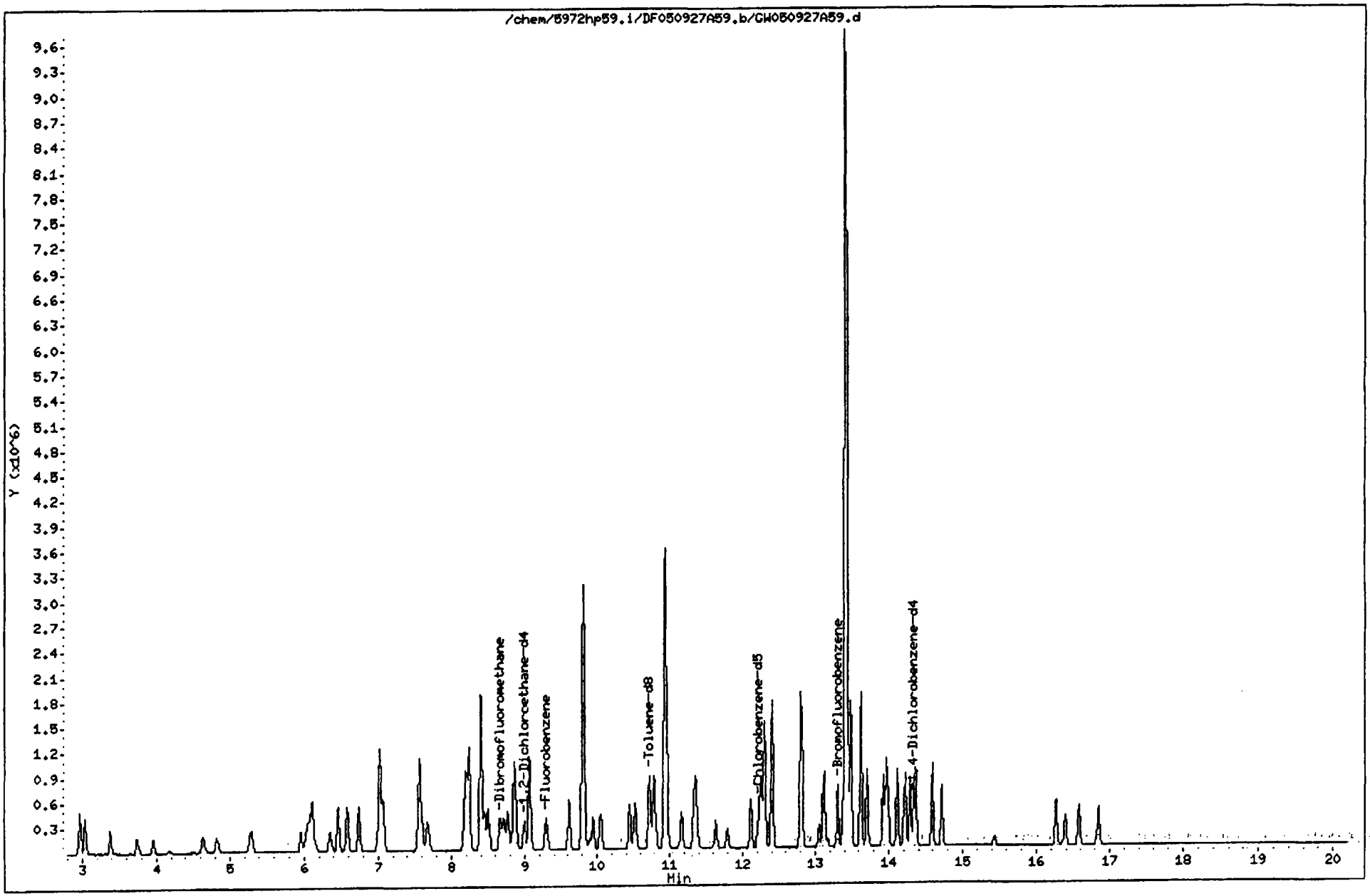
Data File: /chem/5972hp59.i/DF050927A59.b/GZ050927A59.d
Report Date: 27-Sep-2005 22:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	10.940	10.940	(0.894)	1596525	2500.00	2700
62 1,3-Dichloropropane	76	11.353	11.353	(0.928)	187305	250.000	250
63 Tetrachloroethene	164	11.373	11.373	(0.930)	81503	250.000	230
64 2-hexanone	43	11.334	11.334	(0.927)	229455	625.000	740
65 Dibromochloromethane	129	11.639	11.639	(0.952)	123445	250.000	250
66 1,2-Dibromoethane	107	11.797	11.797	(0.965)	116119	250.000	250
67 Chlorobenzene	112	12.260	12.260	(1.002)	304028	250.000	240
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.299	12.299	(1.006)	103943	250.000	240
70 Ethylbenzene	106	12.309	12.309	(1.006)	147754	250.000	230
71 m,p-Xylene	106	12.407	12.407	(1.014)	372312	500.000	470
72 m,p-Xylene (part of total)	106	12.407	12.407	(1.014)	372312	500.000	470
73 o-Xylene	106	12.811	12.811	(1.048)	180953	250.000	240
74 o-Xylene (part of total)	106	12.811	12.811	(1.048)	180953	250.000	240
75 Styrene	104	12.811	12.811	(1.048)	330811	250.000	240
76 Bromoform	173	13.057	13.057	(1.068)	77812	250.000	250
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.117	13.117	(1.072)	430605	250.000	250
79 1,1,2,2-Tetrachloroethane	83	13.382	13.382	(0.933)	165089	250.000	260
80 1,2,3-Trichloropropane	110	13.451	13.451	(1.100)	34808	250.000	260
81 Bromobenzene	156	13.491	13.491	(1.103)	117071	250.000	240
82 trans-1,4-dichloro-2-butene	53	13.422	13.422	(1.097)	1642467	1000.00	1000
83 n-Propyl Benzene	91	13.491	13.491	(0.941)	576255	250.000	260
84 2-Chlorotoluene	126	13.629	13.629	(0.951)	103828	250.000	240
4-Chlorotoluene	126	13.717	13.717	(0.957)	106356	250.000	240
86 1,3,5-Trimethyl Benzene	105	13.619	13.619	(0.950)	355634	250.000	230
87 Pentachloroethane	167	14.003	14.003	(0.977)	72837	250.000	260
88 tert-Butyl Benzene	119	13.924	13.924	(0.971)	290614	250.000	250
89 1,2,4-Trimethyl Benzene	105	13.973	13.973	(0.975)	367244	250.000	230
90 sec-Butyl Benzene	105	14.121	14.121	(0.985)	454606	250.000	250
91 1,3-Dichlorobenzene	146	14.289	14.289	(0.997)	209338	250.000	240
92 p-Isopropyl Toluene	119	14.220	14.220	(0.992)	341887	250.000	250
93 1,4-Dichlorobenzene	146	14.367	14.367	(1.002)	216264	250.000	240
94 1,2-Dichlorobenzene	146	14.722	14.722	(1.027)	193851	250.000	240
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.594	14.594	(1.018)	395204	250.000	260
96 1,2-Dibromo-3-Chloropropane	157	15.441	15.441	(1.077)	23697	250.000	260
97 1,2,4-Trichlorobenzene	180	16.268	16.268	(1.135)	122992	250.000	230
98 Hexachlorobutadiene	225	16.396	16.396	(1.144)	56378	250.000	250
99 Naphthalene	128	16.574	16.574	(1.156)	285781	250.000	240
100 1,2,3-Trichlorobenzene	180	16.850	16.850	(1.175)	115497	250.000	240
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				298269	500.000	490
M 102 Xylene (total)	106				553265	750.000	710

Data File: /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Date : 27-SEP-2005 12:32
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/DF050927A59.b/GW050927A59.d
Report Date: 27-Sep-2005 22:51

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 27-SEP-2005 12:32
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD100:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:50 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 12:32 Cal File: GW050927A59.d
Als bottle: 11 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	9.289	9.289	(1.000)	496820	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.224	(1.000)	310592	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.332	(1.000)	148468	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.658	(0.932)	284049	500.000	490
$ 5 1,2-Dichloroethane-d4	65	8.993	8.993	(0.968)	247260	500.000	480
$ 6 Toluene-d8	98	10.717	10.717	(0.877)	862170	500.000	490
$ 7 Bromofluorobenzene	95	13.307	13.307	(0.929)	330345	500.000	480
8 Dichlorodifluoromethane	85	3.379	3.379	(0.364)	301267	500.000	480
9 Chloromethane	50	3.743	3.743	(0.403)	259418	500.000	490
10 Vinyl Chloride	62	3.960	3.960	(0.426)	211066	500.000	500
11 Bromomethane	94	4.640	4.640	(0.500)	196797	500.000	420
12 Chloroethane	64	4.827	4.827	(0.520)	226327	500.000	500
13 Trichlorofluoromethane	101	5.290	5.290	(0.569)	343467	500.000	500
14 Acrolein	56	5.950	5.950	(0.641)	305647	5000.00	4900
15 1,1-Dichloroethene	96	6.107	6.107	(0.657)	255040	500.000	500

Data File: /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Report Date: 27-Sep-2005 22:51

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	6.048	6.048	(0.651)	103290	500.000	480
17 Acetone	43	6.157	6.157	(0.663)	150659	1250.00	1200(M)
18 Iodomethane	142	6.354	6.354	(0.684)	386600	500.000	490
19 1,1,2-trichloro-1,2,2-trifluo	101	6.078	6.078	(0.654)	265587	500.000	470
20 Carbon disulfide	76	6.462	6.462	(0.696)	976938	500.000	500
21 3-Chloropropene	76	6.580	6.580	(0.708)	153479	500.000	500
22 Acetonitrile	41	6.580	6.580	(0.708)	428996	500.000	500
23 Methyl acetate	43	6.570	6.570	(0.707)	160335	500.000	480
24 Methylene Chloride	84	6.738	6.738	(0.725)	296930	500.000	480
25 Acrylonitrile	53	7.013	7.013	(0.755)	901357	5000.00	4800
26 trans-1,2-Dichloroethene	96	7.073	7.073	(0.761)	289267	500.000	490
27 trans-1,2-DCE (part of total)	96	7.073	7.073	(0.761)	289267	500.000	490
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.023	7.023	(0.756)	570179	500.000	480
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.565	7.565	(0.814)	509484	500.000	490
30 Chloroprene	53	7.673	7.673	(0.826)	364211	500.000	500
31 Vinyl acetate	43	7.565	7.565	(0.814)	879789	500.000	500
32 Isopropyl ether	45	7.565	7.565	(0.814)	932477	500.000	490
33 cis-1,2-Dichloroethene	96	8.195	8.195	(0.882)	304463	500.000	490
34 cis-1,2-DCE (part of total)	96	8.195	8.195	(0.882)	304463	500.000	490
35 2,2-Dichloropropane	77	8.195	8.195	(0.882)	360423	500.000	490
36 Propionitrile	54	8.235	8.235	(0.887)	1462563	25000.0	24000
37 2-butanone	43	8.166	8.166	(0.879)	269797	1250.00	1200
38 Methacrylonitrile	41	8.392	8.392	(0.904)	1231198	5000.00	4800
39 Bromochloromethane	128	8.452	8.452	(0.910)	126958	500.000	490
40 Chloroform	83	8.501	8.501	(0.915)	456048	500.000	490
41 1,1,1-Trichloroethane	97	8.708	8.708	(0.937)	344031	500.000	480
42 Cyclohexane	56	8.767	8.767	(0.944)	342968	500.000	470(M)
43 1,1-dichloropropene	75	8.855	8.855	(0.953)	335562	500.000	480
44 Carbon Tetrachloride	117	8.875	8.875	(0.955)	272027	500.000	480
45 1,2-Dichloroethane	62	9.062	9.062	(0.976)	294905	500.000	490
46 Isobutyl alcohol	43	8.846	8.846	(0.952)	420886	25000.0	24000(M)
47 Benzene	78	9.062	9.062	(0.976)	1007180	500.000	490
48 Trichloroethene	130	9.614	9.614	(1.035)	243279	500.000	490
49 Methylcyclohexane	83	9.791	9.791	(1.054)	271764	500.000	460
50 1,2-Dichloropropane	63	9.821	9.821	(1.057)	277186	500.000	490
51 Dibromomethane	174	9.949	9.949	(1.071)	145773	500.000	500
52 1,4-dioxane	88	9.909	9.909	(1.067)	108590	25000.0	25000
53 Methylmethacrylate	69	9.821	9.821	(1.057)	1500710	5000.00	4800
54 Bromodichloromethane	83	10.057	10.057	(1.083)	323199	500.000	490
56 cis-1,3-Dichloropropene	75	10.441	10.441	(1.124)	423575	500.000	490
57 4-Methyl-2-pentanone	43	10.520	10.520	(0.861)	560460	1250.00	1200
58 Toluene	92	10.786	10.786	(0.882)	586176	500.000	480
59 trans-1,3-Dichloropropene	75	10.953	10.953	(0.896)	341325	500.000	480
60 1,1,2-Trichloroethane	97	11.170	11.170	(0.914)	201117	500.000	490
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	2802016	5000.00	4900

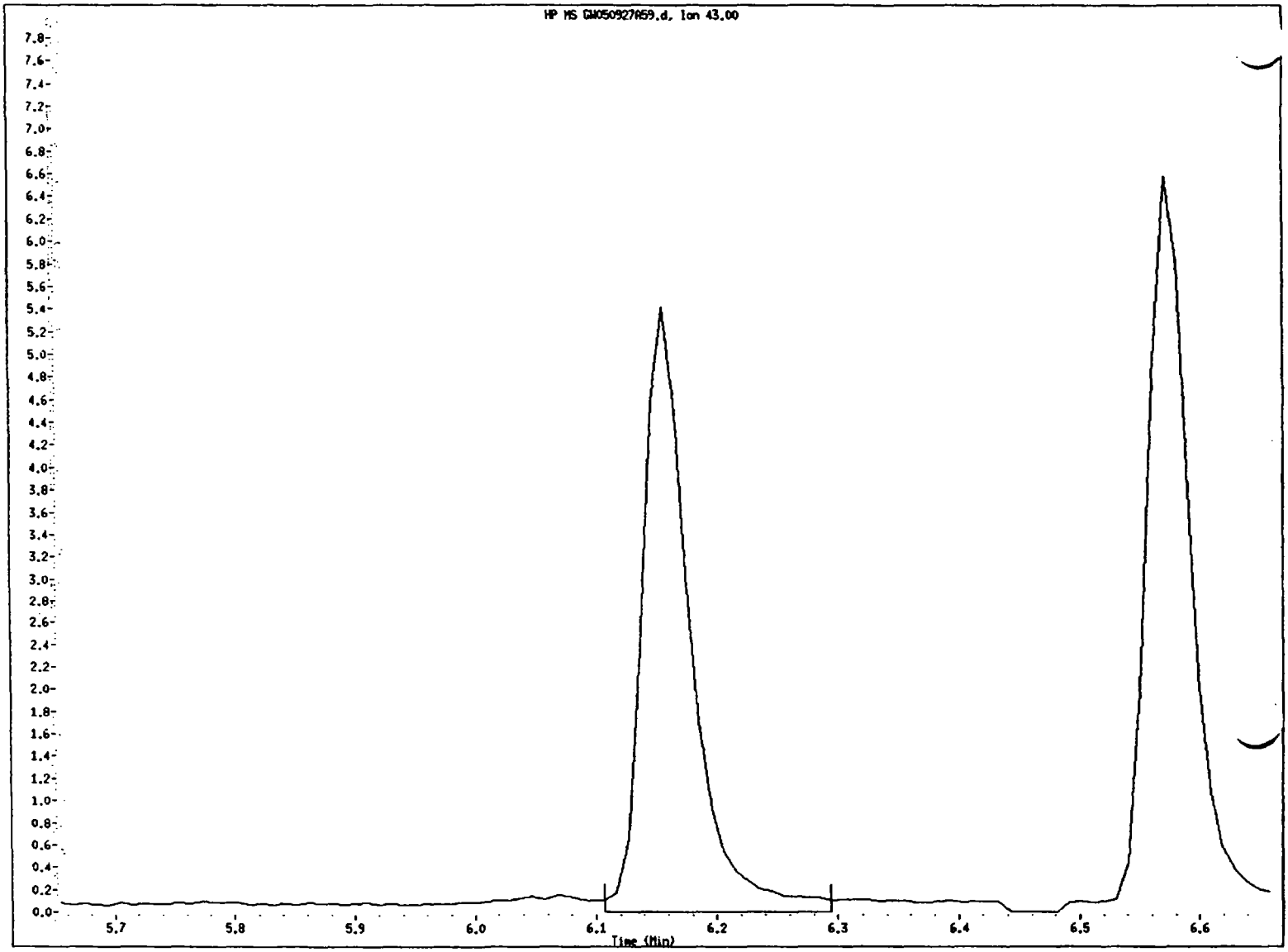
Data File: /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Report Date: 27-Sep-2005 22:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.357	11.357	(0.929)	351291	500.000	480
63 Tetrachloroethene	164	11.367	11.367	(0.930)	156823	500.000	460
64 2-hexanone	43	11.328	11.328	(0.927)	393123	1250.00	1300
65 Dibromochloromethane	129	11.633	11.633	(0.952)	237525	500.000	490
66 1,2-Dibromoethane	107	11.791	11.791	(0.965)	221605	500.000	490
67 Chlorobenzene	112	12.253	12.253	(1.002)	598351	500.000	480
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.303	12.303	(1.006)	203672	500.000	480
70 Ethylbenzene	106	12.303	12.303	(1.006)	287785	500.000	460
71 m,p-Xylene	106	12.401	12.401	(1.014)	708781	1000.00	910
72 m,p-Xylene (part of total)	106	12.401	12.401	(1.014)	708781	1000.00	910
73 o-Xylene	106	12.805	12.805	(1.048)	347501	500.000	460
74 o-Xylene (part of total)	106	12.805	12.805	(1.048)	347501	500.000	460
75 Styrene	104	12.815	12.815	(1.048)	644058	500.000	470
76 Bromoform	173	13.051	13.051	(1.068)	152773	500.000	490
78 Isopropyl Benzene	105	13.120	13.120	(1.073)	799136	500.000	490
79 1,1,2,2-Tetrachloroethane	83	13.376	13.376	(0.933)	290324	500.000	460
80 1,2,3-Trichloropropane	110	13.455	13.455	(1.101)	59817	500.000	460
81 Bromobenzene	156	13.485	13.485	(1.103)	225309	500.000	470
82 trans-1,4-dichloro-2-butene	53	13.416	13.416	(1.097)	2442815	2000.00	2000
83 n-Propyl Benzene	91	13.485	13.485	(0.941)	1041130	500.000	490
84 2-Chlorotoluene	126	13.623	13.623	(0.951)	194286	500.000	450
85 4-Chlorotoluene	126	13.711	13.711	(0.957)	201739	500.000	460
86 1,3,5-Trimethyl Benzene	105	13.623	13.623	(0.951)	650606	500.000	440
Pentachloroethane	167	13.997	13.997	(0.977)	137463	500.000	500
88 tert-Butyl Benzene	119	13.928	13.928	(0.972)	519979	500.000	460
89 1,2,4-Trimethyl Benzene	105	13.967	13.967	(0.975)	676866	500.000	440
90 sec-Butyl Benzene	105	14.115	14.115	(0.985)	820601	500.000	470
91 1,3-Dichlorobenzene	146	14.283	14.283	(0.997)	391068	500.000	450
92 p-Isopropyl Toluene	119	14.214	14.214	(0.992)	613346	500.000	470
93 1,4-Dichlorobenzene	146	14.361	14.361	(1.002)	411496	500.000	460
94 1,2-Dichlorobenzene	146	14.716	14.716	(1.027)	363915	500.000	460
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.588	14.588	(1.018)	705373	500.000	470
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.435	(1.077)	42466	500.000	470
97 1,2,4-Trichlorobenzene	180	16.272	16.272	(1.135)	232054	500.000	450
98 Hexachlorobutadiene	225	16.390	16.390	(1.144)	101417	500.000	460
99 Naphthalene	128	16.568	16.568	(1.156)	530058	500.000	450
100 1,2,3-Trichlorobenzene	180	16.843	16.843	(1.175)	205994	500.000	440
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				593730	1000.00	980
M 102 Xylene (total)	106				1056282	1500.00	1400

QC Flag Legend

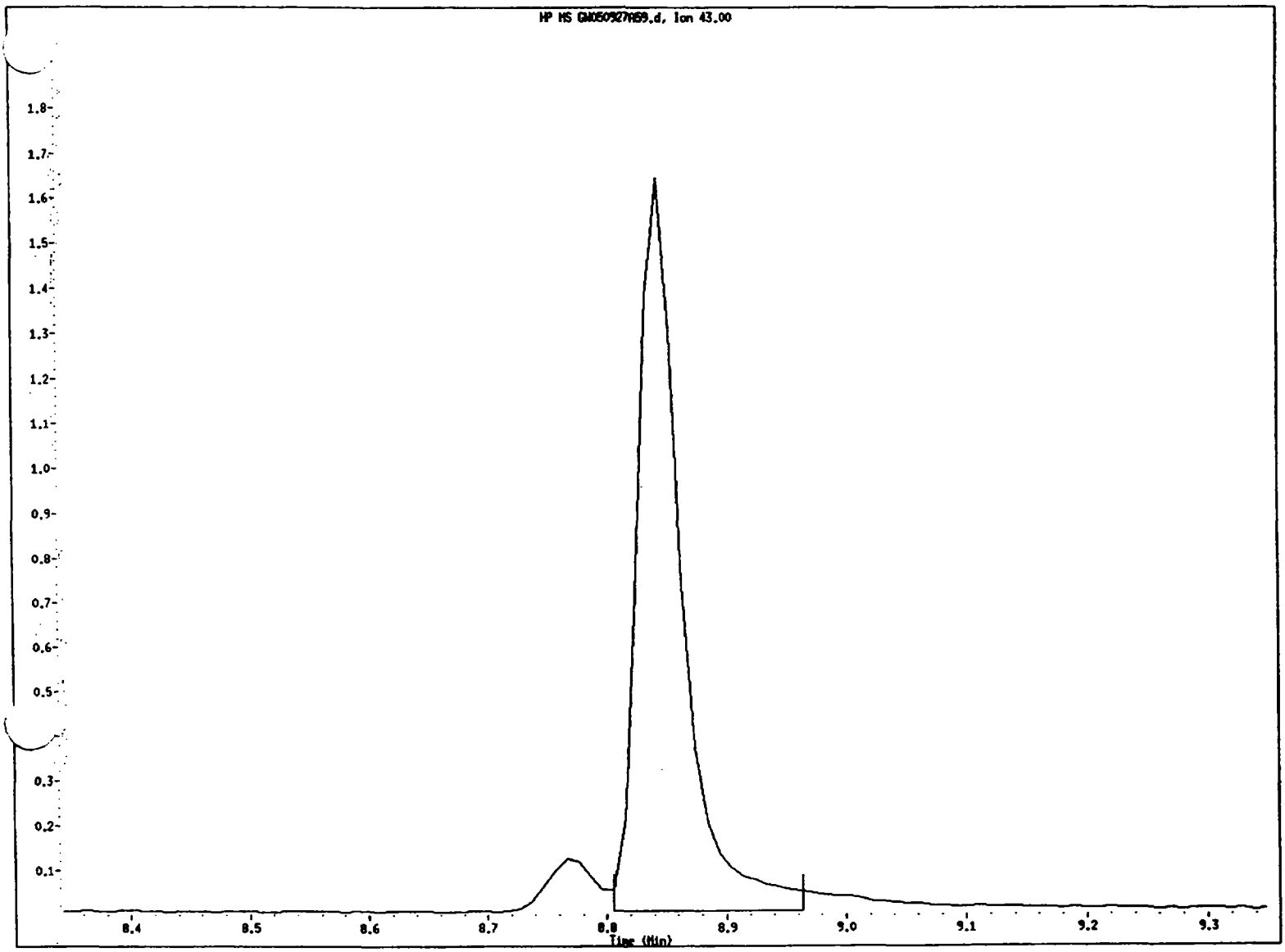
M - Compound response manually integrated.

Acetone CAS Number 67-64-1 Area = 150659 Manually integrated



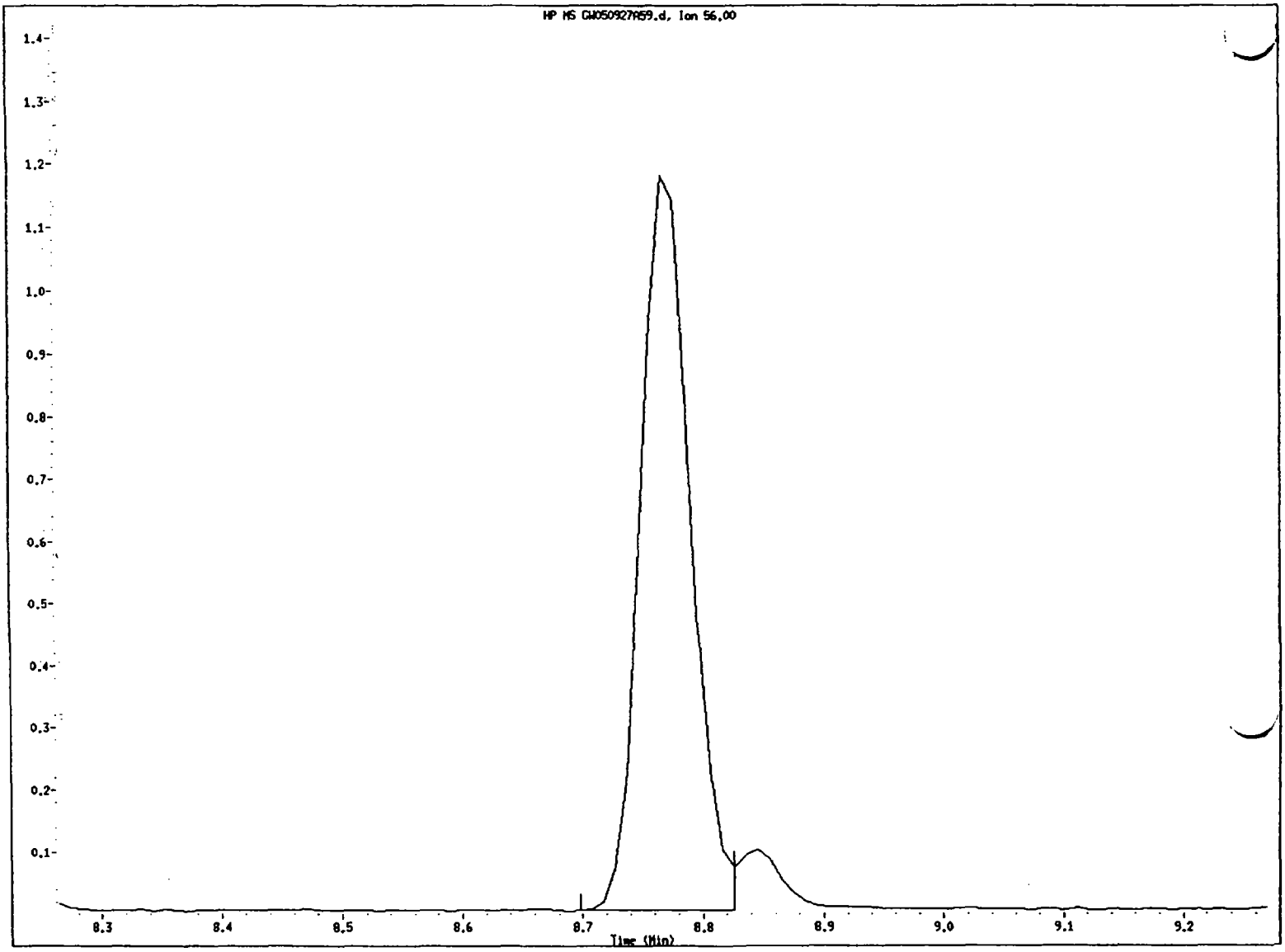
File name: /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Client ID: VSTD100
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 12:32
Retention Time: 6.16
Operator ID: 2473

Isobutyl alcohol CAS Number 78-83-1 Area = 420886 Manually integrated



File name: /chem/5972hp59.i/DF050927A59.b/GW050927A59.d
Client ID: VSTD100
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 12:32
Retention Time: 8.85
Operator ID: 2473

Cyclohexane CAS Number 110-82-7 Area = 342968 Manually integrated



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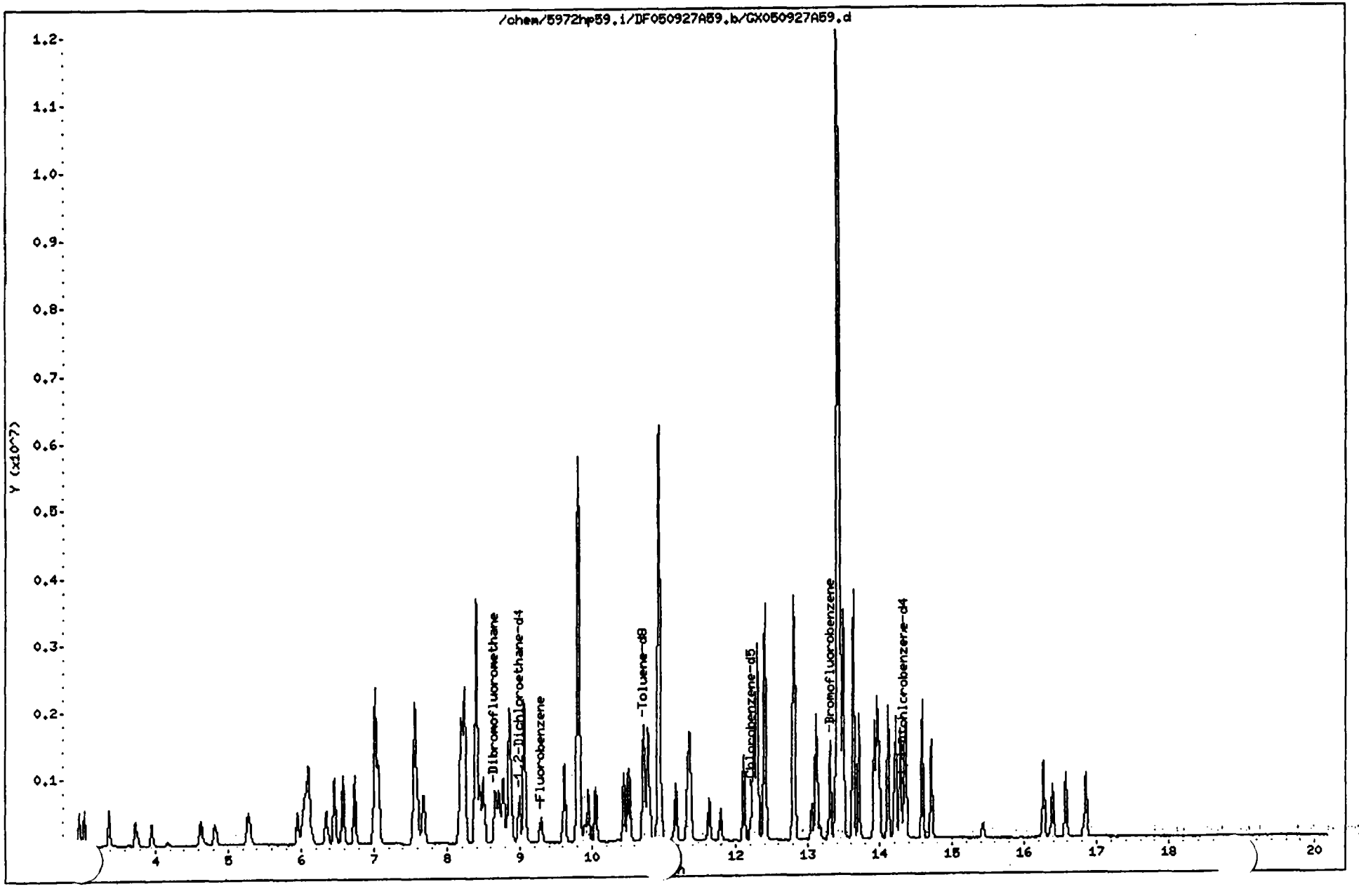
Client ID: VSTD100
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 12:32
Retention Time: 8.77
Operator ID: 2473

Data File: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Date : 27-SEP-2005 13:07
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/DF050927A59.b/GX050927A59.d
Report Date: 27-Sep-2005 22:51

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 27-SEP-2005 13:07
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : VSTD200:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927A59.b/W8260B_5ppbv8.m
Meth Date : 27-Sep-2005 22:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 13:07 Cal File: GX050927A59.d
Als bottle: 12 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)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	9.298	9.298	(1.000)	486207	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.224	(1.000)	308926	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.331	14.331	(1.000)	147793	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.658	(0.931)	558114	1000.00	990
$ 5 1,2-Dichloroethane-d4	65	8.993	8.993	(0.967)	489346	1000.00	960
$ 6 Toluene-d8	98	10.717	10.717	(0.877)	1702720	1000.00	970
$ 7 Bromofluorobenzene	95	13.307	13.307	(0.929)	656102	1000.00	960
8 Dichlorodifluoromethane	85	3.379	3.379	(0.363)	645882	1000.00	1100(A)
9 Chloromethane	50	3.743	3.743	(0.403)	532034	1000.00	1000(A)
10 Vinyl Chloride	62	3.960	3.960	(0.426)	422097	1000.00	1000(A)
11 Bromomethane	94	4.630	4.630	(0.498)	392226	1000.00	850
12 Chloroethane	64	4.827	4.827	(0.519)	449973	1000.00	1000
13 Trichlorofluoromethane	101	5.289	5.289	(0.569)	718383	1000.00	1100(A)
14 Acrolein	56	5.949	5.949	(0.640)	590641	10000.0	9800
15 1,1-Dichloroethene	96	6.107	6.107	(0.657)	487540	1000.00	970

Data File: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Report Date: 27-Sep-2005 22:51

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	6.038	6.038	(0.649)	209658	1000.00	990
17 Acetone	43	6.156	6.156	(0.662)	290933	2500.00	2400(M)
18 Iodomethane	142	6.353	6.353	(0.683)	807726	1000.00	1000(A)
19 1,1,2-trichloro-1,2,2-trifluo	101	6.077	6.077	(0.654)	541740	1000.00	990
20 Carbon disulfide	76	6.462	6.462	(0.695)	1875823	1000.00	970
21 3-Chloropropene	76	6.580	6.580	(0.708)	306295	1000.00	1000(A)
22 Acetonitrile	41	6.580	6.580	(0.708)	832595	1000.00	980
23 Methyl acetate	43	6.570	6.570	(0.707)	318594	1000.00	1000
24 Methylene Chloride	84	6.737	6.737	(0.725)	570396	1000.00	930
25 Acrylonitrile	53	7.013	7.013	(0.754)	1728693	10000.0	9500
26 trans-1,2-Dichloroethene	96	7.062	7.062	(0.760)	560896	1000.00	970
27 trans-1,2-DCE (part of total)	96	7.062	7.062	(0.760)	560896	1000.00	970
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.023	7.023	(0.755)	1124425	1000.00	980
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.565	7.565	(0.814)	982773	1000.00	970
30 Chloroprene	53	7.683	7.683	(0.826)	721854	1000.00	1000(A)
31 Vinyl acetate	43	7.565	7.565	(0.814)	1698194	1000.00	980
32 Isopropyl ether	45	7.565	7.565	(0.814)	1793672	1000.00	970
33 cis-1,2-Dichloroethene	96	8.195	8.195	(0.881)	591800	1000.00	980
34 cis-1,2-DCE (part of total)	96	8.195	8.195	(0.881)	591800	1000.00	980
35 2,2-Dichloropropane	77	8.195	8.195	(0.881)	691910	1000.00	960
36 Propionitrile	54	8.234	8.234	(0.886)	2791064	50000.0	47000
2-butanone	43	8.166	8.166	(0.878)	521481	2500.00	2300
Methacrylonitrile	41	8.392	8.392	(0.903)	2332226	10000.0	9300
39 Bromochloromethane	128	8.451	8.451	(0.909)	241265	1000.00	960
40 Chloroform	83	8.500	8.500	(0.914)	888470	1000.00	980
41 1,1,1-Trichloroethane	97	8.707	8.707	(0.936)	673513	1000.00	970
42 Cyclohexane	56	8.776	8.776	(0.944)	713639	1000.00	1000(A)
43 1,1-dichloropropene	75	8.855	8.855	(0.952)	642693	1000.00	930
44 Carbon Tetrachloride	117	8.875	8.875	(0.954)	533381	1000.00	960
45 1,2-Dichloroethane	62	9.062	9.062	(0.975)	569468	1000.00	970
46 Isobutyl alcohol	43	8.845	8.845	(0.951)	833082	50000.0	48000(M)
47 Benzene	78	9.072	9.072	(0.976)	1935927	1000.00	960
48 Trichloroethene	130	9.623	9.623	(1.035)	475701	1000.00	970
49 Methylcyclohexane	83	9.801	9.801	(1.054)	579196	1000.00	1000(A)
50 1,2-Dichloropropane	63	9.820	9.820	(1.056)	504114	1000.00	900
51 Dibromomethane	174	9.948	9.948	(1.070)	288078	1000.00	1000(A)
52 1,4-dioxane	88	9.909	9.909	(1.066)	208120	50000.0	50000
53 Methylmethacrylate	69	9.820	9.820	(1.056)	2839413	10000.0	9300
54 Bromodichloromethane	83	10.057	10.057	(1.082)	632370	1000.00	980
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.441	10.441	(1.123)	837549	1000.00	990
57 4-Methyl-2-pentanone	43	10.520	10.520	(0.861)	1089035	2500.00	2400
58 Toluene	92	10.786	10.786	(0.882)	1139822	1000.00	940
59 trans-1,3-Dichloropropene	75	10.953	10.953	(0.896)	636781	1000.00	900
60 1,1,2-Trichloroethane	97	11.170	11.170	(0.914)	390592	1000.00	950

Data File: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Report Date: 27-Sep-2005 22:51

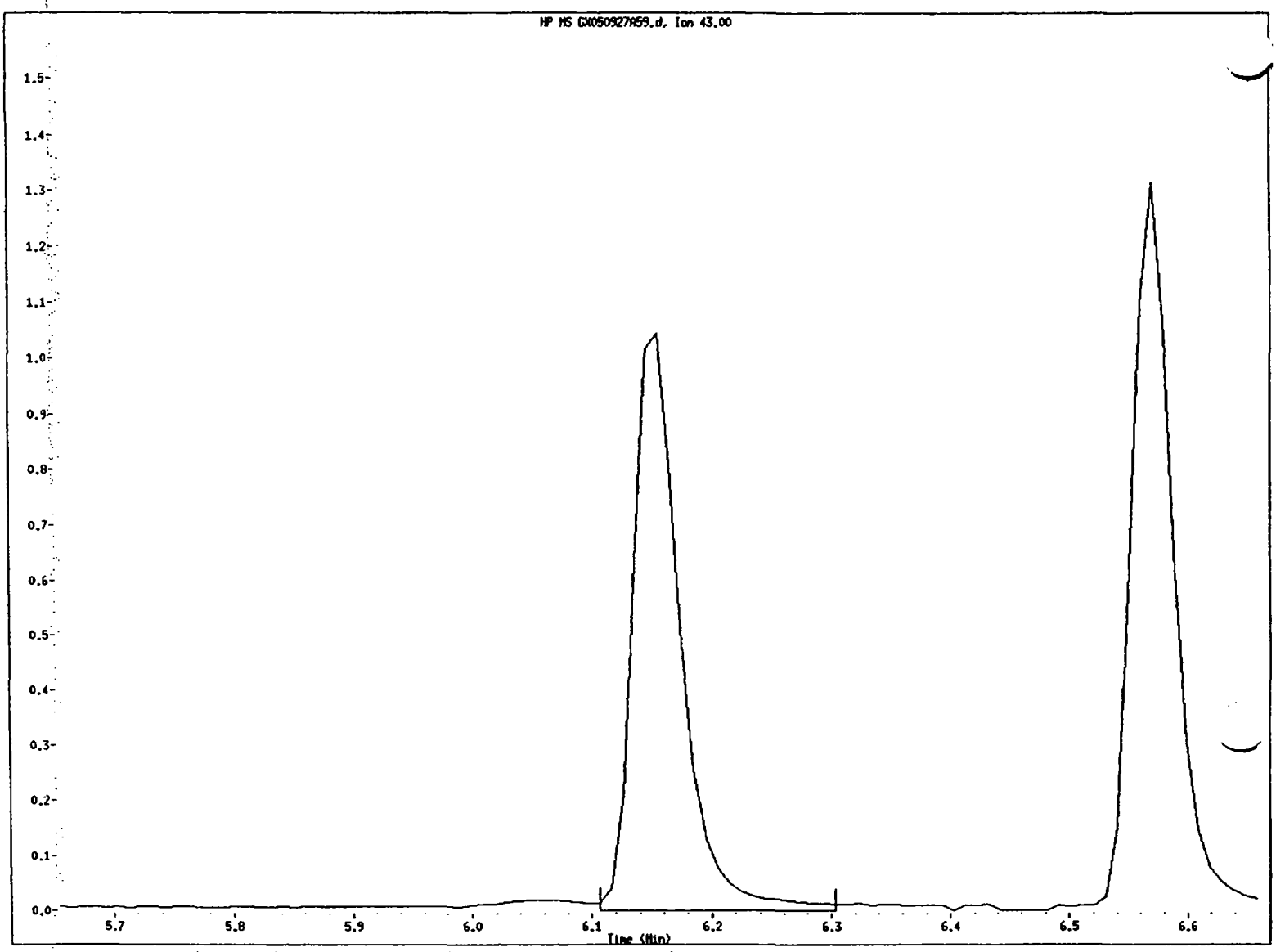
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	5065898	10000.0	8800
62 1,3-Dichloropropane	76	11.357	11.357	(0.929)	681108	1000.00	940
63 Tetrachloroethene	164	11.367	11.367	(0.930)	314369	1000.00	920
64 2-hexanone	43	11.327	11.327	(0.927)	754241	2500.00	2500
65 Dibromochloromethane	129	11.633	11.633	(0.952)	469566	1000.00	970
66 1,2-Dibromoethane	107	11.790	11.790	(0.965)	432467	1000.00	960
67 Chlorobenzene	112	12.253	12.253	(1.002)	1173387	1000.00	940
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.302	12.302	(1.006)	403088	1000.00	950
70 Ethylbenzene	106	12.302	12.302	(1.006)	567809	1000.00	920
71 m,p-Xylene	106	12.401	12.401	(1.014)	1403794	2000.00	1800
72 m,p-Xylene (part of total)	106	12.401	12.401	(1.014)	1403794	2000.00	1800
73 o-Xylene	106	12.805	12.805	(1.048)	684369	1000.00	920
74 o-Xylene (part of total)	106	12.805	12.805	(1.048)	684369	1000.00	920
75 Styrene	104	12.815	12.815	(1.048)	1267067	1000.00	940
76 Bromoform	173	13.051	13.051	(1.068)	300906	1000.00	970
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.120	13.120	(1.073)	1627671	1000.00	1000(A)
79 1,1,2,2-Tetrachloroethane	83	13.386	13.386	(0.934)	547116	1000.00	870
80 1,2,3-Trichloropropane	110	13.455	13.455	(1.101)	113585	1000.00	870
81 Bromobenzene	156	13.484	13.484	(1.103)	441130	1000.00	920
82 trans-1,4-dichloro-2-butene	53	13.415	13.415	(1.097)	3560262	4000.00	4000
83 n-Propyl Benzene	91	13.484	13.484	(0.941)	2102308	1000.00	1000(A)
84 2-Chlorotoluene	126	13.622	13.622	(0.950)	388437	1000.00	910
85 4-Chlorotoluene	126	13.711	13.711	(0.957)	405534	1000.00	920
86 1,3,5-Trimethyl Benzene	105	13.622	13.622	(0.950)	1330175	1000.00	900
87 Pentachloroethane	167	13.996	13.996	(0.977)	284377	1000.00	1000(A)
88 tert-Butyl Benzene	119	13.928	13.928	(0.972)	1136858	1000.00	1000(A)
89 1,2,4-Trimethyl Benzene	105	13.967	13.967	(0.975)	1382880	1000.00	900
90 sec-Butyl Benzene	105	14.115	14.115	(0.985)	1732114	1000.00	1000(A)
91 1,3-Dichlorobenzene	146	14.282	14.282	(0.997)	792822	1000.00	920
92 p-Isopropyl Toluene	119	14.213	14.213	(0.992)	1287713	1000.00	1000(A)
93 1,4-Dichlorobenzene	146	14.361	14.361	(1.002)	826268	1000.00	920
94 1,2-Dichlorobenzene	146	14.716	14.716	(1.027)	729434	1000.00	920
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.587	14.587	(1.018)	1479539	1000.00	1000(A)
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.435	(1.077)	84420	1000.00	950
97 1,2,4-Trichlorobenzene	180	16.272	16.272	(1.135)	481271	1000.00	930
98 Hexachlorobutadiene	225	16.390	16.390	(1.144)	221596	1000.00	1000(A)
99 Naphthalene	128	16.567	16.567	(1.156)	1078067	1000.00	920
100 1,2,3-Trichlorobenzene	180	16.843	16.843	(1.175)	431148	1000.00	930
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				1152696	2000.00	1900
M 102 Xylene (total)	106				2088163	3000.00	2700

Data File: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Report Date: 27-Sep-2005 22:51

Q flag Legend

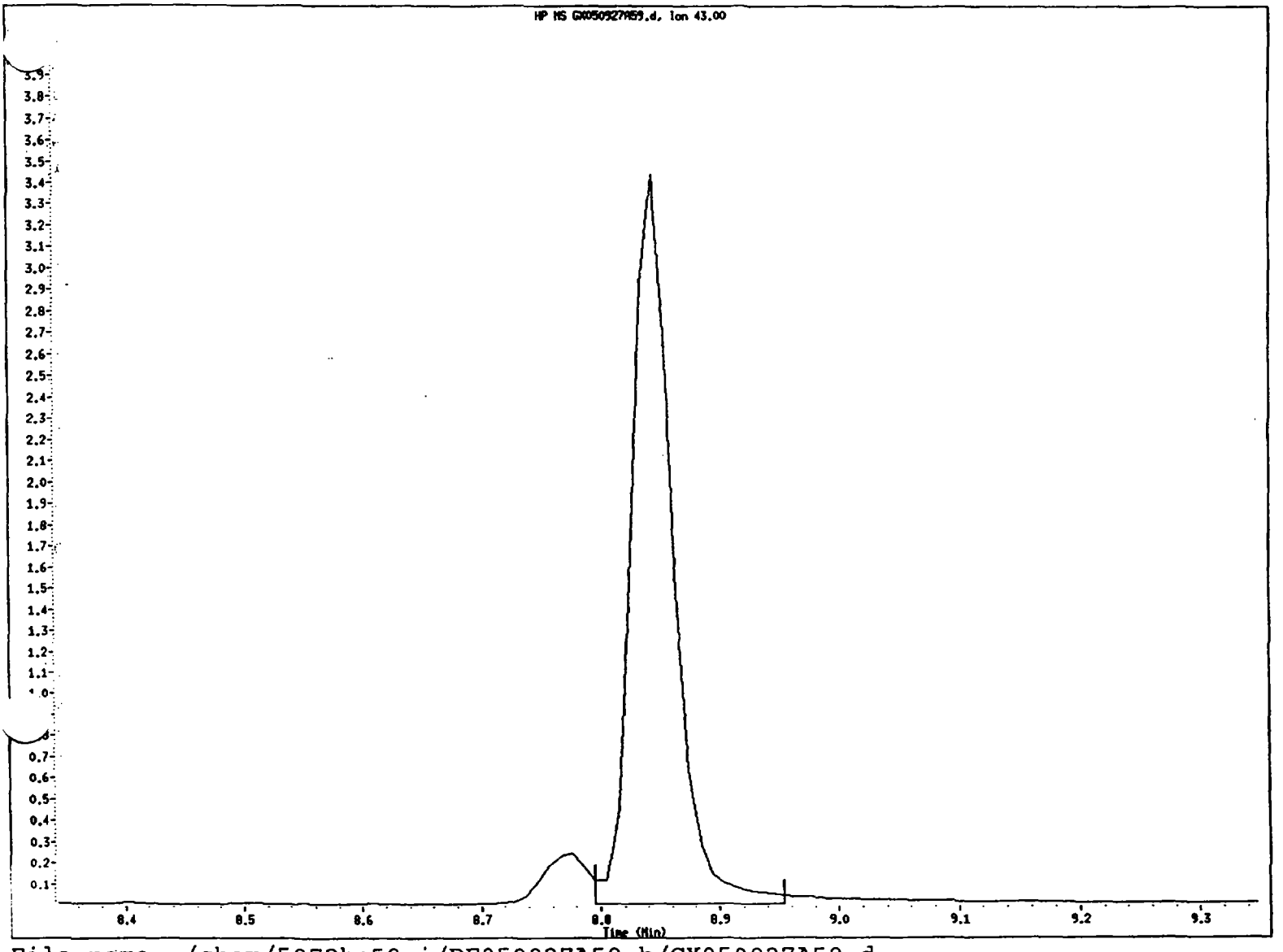
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Acetone CAS Number 67-64-1 Area = 290933 Manually integrated



File name: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Client ID: VSTD200
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 13:07
Retention Time: 6.16
Operator ID: 2473

Isobutyl alcohol CAS Number 78-83-1 Area = 833082 Manually integrated



File name: /chem/5972hp59.i/DF050927A59.b/GX050927A59.d
Client ID: VSTD200
Instrument ID: 5972hp59.i
Injection Date and Time: 27-SEP-2005 13:07
Retention Time: 8.85
Operator ID: 2473

COMPUCHEM a division of Liberty Analytical Corp DATE 9/27/05 INITIAL TIME OF TUNE 1016 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2216 LINKER /METHOD 8260B (W) S

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) #624

PREVENTIVE MAINTENANCE Source changed

	CFRD	FILE NAME	ATTD	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050927A59	/	—	—	9/27/05	1016	BFB	—	2uL	—	2473	LCD=SCD
2	\	GS	WP	—	—	/ /	1040	VSTD005	—	10ml	—		ICAL passes
3		GT	\	—	—	/ /	1107	VSTD010	—		—		no CEVR
4		GU	\	—	—	/ /	1135	VSTD020	—		—		
5	\	GV	WS	—	—	/ /	1202	VSTD050	—		—		
6		GW	\	—	—	/ /	1232	VSTD100	—		—		
7		GX	\	—	—	/ /	1307	VSTD200	—		—		
8	\	GC	WS	—	—	/ /	1335	VIBLKAC	—		—		
9		GY	\	—	—	/ /	1402	VSTD005	—		—		
10	\	GD	WS	—	—	/ /	1429	VIBLKAD	—		—		
11		GZ	\	—	—	/ /	1545	VSTD050	—		—		
12		80940A59	\	—	—	/ /	1627	VBLKDG		5.0g/10ml	—		
13		79997A59	\	—	—	/ /	1705	VBLKYV	7734	100uL/10ml	—		
14		80943A59	\	—	—	/ /	1733	VDGLCS		5.0g/10ml	—		DC261 passes TCL3CT +MTBE
15		80000A59	\	—	—	/ /	1800	VYVLCS	7734	10ml	—		Passes 624
16		80009A59	\	—	—	/ /	1833	VYVLCSD			—		
17		773403A59	\	—	ampule	/ /	1908	PEO-120		5ml	—		PE per instructions 20uL → 100ml
18		GE050927A59	/	—	—	/ /	1936	VIBLKAE	—	5ml	—		
19	/	783201A59	Es	—	—	/ /	2004	MAIN 7-8	7832	5.0g	—		
20		783201RA59	Es	—	—	/ /	2109	MAIN 7-8	7832	5.0			
21		782601A59	/			/ /	2137	AIOJUMP092005	7826	5mP			
22						/ /							
23						/ /							
24						/ /							

dh 9/27/05

SUPERVISOR APPROVAL dh Date 9-27-05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC 264

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/28/05 09/29/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 2139 0104

LAB FILE ID: RF5: GS050928B59 RF10: GT050928B59 RF20: GY050928B59
RF50: GV050928B59 RF100: GW050928B59RF200: GX050928B59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	0.34748	0.34530	0.30483	0.36817	0.36712	0.35657
Chloromethane	0.24758	0.23860	0.23076	0.26641	0.26468	0.25603
Vinyl Chloride	0.19191	0.19865	0.18569	0.22537	0.22108	0.20643
Bromomethane	0.22414	0.19579	0.18501	0.20254	0.19622	0.18468
Chloroethane	7556	14142	22799	84614	154943	
Trichlorofluoromethane	0.36131	0.36405	0.33581	0.40107	0.40056	0.38397
1,1-Dichloroethene	0.27219	0.27150	0.24274	0.28608	0.28689	0.27496
Carbon disulfide	1.03637	1.03434	0.94464	1.12650	1.12686	1.07662
1,1,2-trichloro-1,2,2-triflu	0.32966	0.33382	0.29977	0.36038	0.36044	0.34545
Acetone	0.09829	0.07676	0.07359	0.07777	0.07533	0.07354
Methylene Chloride	0.34532	0.32983	0.30831	0.34860	0.34748	0.33518
trans-1,2-Dichloroethene	0.30830	0.29526	0.27657	0.31693	0.31942	0.30604
Methyl-tert-butyl ether	0.71924	0.67730	0.65961	0.71704	0.70309	0.70794
1,1-Dichloroethane	0.54028	0.54713	0.51583	0.59293	0.58085	0.55234
s-1,2-Dichloroethene	0.33182	0.32534	0.29886	0.33860	0.33884	0.32678
butanone	0.16767	0.13270	0.13406	0.14160	0.13482	0.13199
Chloroform	0.53015	0.51532	0.46931	0.54035	0.53907	0.51998
1,1,1-Trichloroethane	0.38139	0.39634	0.36602	0.41546	0.41294	0.40437
Carbon Tetrachloride	0.31500	0.30778	0.28565	0.33448	0.33264	0.32387
Benzene	1.13337	1.11621	1.02061	1.17233	1.15114	1.11038
1,2-Dichloroethane	0.34198	0.34618	0.32414	0.36093	0.35649	0.35544
Trichloroethene	0.27416	0.26174	0.24786	0.28155	0.27863	0.27415
1,2-Dichloropropane	0.32350	0.32202	0.29292	0.33176	0.31425	0.27821
Bromodichloromethane	0.36103	0.35456	0.33533	0.38657	0.38333	0.37633
cis-1,3-Dichloropropene	0.47183	0.45349	0.43750	0.49626	0.49741	0.48945
4-Methyl-2-pentanone	0.51244	0.47140	0.46034	0.48984	0.44635	0.44705
Toluene	1.05177	1.07086	1.00188	1.13476	1.09749	1.07279
trans-1,3-Dichloropropene	0.64581	0.64584	0.60444	0.66922	0.64028	0.59871
1,1,2-Trichloroethane	0.38214	0.38822	0.36256	0.40110	0.38411	0.38132
Tetrachloroethene	0.29302	0.30954	0.28845	0.32370	0.31293	0.30268
2-hexanone	0.36893	0.32182	0.33089	0.34535	0.31545	0.31245
Dibromochloromethane	0.43710	0.42550	0.41255	0.45573	0.44970	0.45379
1,2-Dibromoethane	0.39805	0.40465	0.38343	0.42327	0.41275	0.41627
Chlorobenzene	1.04844	1.05608	0.99832	1.12184	1.09584	1.07170
Ethylbenzene	0.50865	0.54135	0.50206	0.57454	0.55756	0.54336
Styrene	1.08066	1.13348	1.08674	1.22002	1.20109	1.17850
Bromoform	0.26956	0.26405	0.26451	0.29200	0.28812	0.29729
Isopropyl Benzene	1.61399	1.59356	1.54772	1.75361	1.70954	1.67348
1,1,2,2-Tetrachloroethane	1.36502	1.22128	1.19272	1.30374	1.21809	1.17023
1,3-Dichlorobenzene	1.58800	1.53931	1.51024	1.66642	1.63449	1.59658
1,4-Dichlorobenzene	1.67766	1.63637	1.55243	1.71122	1.69426	1.66791
1,2-Dichlorobenzene	1.38846	1.44719	1.41215	1.55476	1.53355	1.51283
2-Dibromo-3-Chloropropane	0.15989	0.15887	0.16723	0.18155	0.17799	0.18643
2,4-Trichlorobenzene	0.93324	0.89490	0.94397	1.01867	1.02973	1.04260

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/28/05 09/29/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 2139 0104

LAB FILE ID: RF5: GS050928B59 RF10: GT050928B59 RF20: GY050928B59
RF50: GV050928B59 RF100: GW050928B59RF200: GX050928B59

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.63962	0.65888	0.62526	0.70483	0.68507	0.66211
Methyl acetate	0.28300	0.21915	0.23307	0.22198	0.21785	0.21207
Cyclohexane	0.51988	0.50163	0.45304	0.57606	0.56094	0.53470
Methylcyclohexane	0.44009	0.40950	0.39559	0.47610	0.45695	0.42154
Dibromofluoromethane	0.31289	0.29168	0.27031	0.28238	0.28874	0.30022
1,2-Dichloroethane-d4	0.30362	0.27371	0.23425	0.27100	0.27124	0.28554
Toluene-d8	1.50020	1.40520	1.35573	1.38106	1.40081	1.43615
Bromofluorobenzene	1.26493	1.12592	1.09252	1.12656	1.13165	1.16725

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/28/05 09/29/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 2139 0104

COMPOUND	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	AVRG		0.34824431	6.693	15.000
Chloromethane	AVRG		0.25067625	5.711	15.000
Vinyl Chloride	AVRG		0.20485452	7.750	30.000
Bromomethane	AVRG		0.19806309	7.344	15.000
Chloroethane	LINR	0.04360628	4.29166585	0.9928840	0.9900000
Trichlorofluoromethane	AVRG		0.37446123	6.814	15.000
1,1-Dichloroethene	AVRG		0.27239424	5.884	30.000
Carbon disulfide	AVRG		1.05755566	6.504	15.000
1,1,2-trichloro-1,2,2-triflu	AVRG		0.33825111	6.752	15.000
Acetone	AVRG		0.07921207	11.989	15.000
Methylene Chloride	AVRG		0.33578668	4.580	15.000
trans-1,2-Dichloroethene	AVRG		0.30375395	5.217	15.000
Methyl-tert-butyl ether	AVRG		0.69737058	3.416	15.000
1,1-Dichloroethane	AVRG		0.55489234	5.050	15.000
s-1,2-Dichloroethene	AVRG		0.32670556	4.524	15.000
utanone	AVRG		0.14047191	9.795	15.000
Chloroform	AVRG		0.51902992	5.073	30.000
1,1,1-Trichloroethane	AVRG		0.39608833	4.854	15.000
Carbon Tetrachloride	AVRG		0.31657138	5.770	15.000
Benzene	AVRG		1.11734021	4.707	15.000
1,2-Dichloroethane	AVRG		0.34752534	3.865	15.000
Trichloroethene	AVRG		0.26968247	4.692	15.000
1,2-Dichloropropane	AVRG		0.31044356	6.632	30.000
Bromodichloromethane	AVRG		0.36619164	5.360	15.000
cis-1,3-Dichloropropene	AVRG		0.47432233	5.198	15.000
4-Methyl-2-pentanone	AVRG		0.47123633	5.507	15.000
Toluene	AVRG		1.07159284	4.156	30.000
trans-1,3-Dichloropropene	AVRG		0.63405131	4.278	15.000
1,1,2-Trichloroethane	AVRG		0.38324177	3.253	15.000
Tetrachloroethene	AVRG		0.30505314	4.289	15.000
2-hexanone	AVRG		0.33248225	6.453	15.000
Dibromochloromethane	AVRG		0.43906342	3.942	15.000
1,2-Dibromoethane	AVRG		0.40640383	3.519	15.000
Chlorobenzene	AVRG		1.06537215	3.988	15.000
Ethylbenzene	AVRG		0.53791849	5.199	30.000
Styrene	AVRG		1.15008335	5.130	15.000
Bromoform	AVRG		0.27925428	5.333	15.000
Isopropyl Benzene	AVRG		1.64864935	4.680	15.000
1,1,2,2-Tetrachloroethane	AVRG		1.24518096	5.952	15.000
1,3-Dichlorobenzene	AVRG		1.58917426	3.647	15.000
1,4-Dichlorobenzene	AVRG		1.65664222	3.439	15.000
1,2-Dichlorobenzene	AVRG		1.47482546	4.642	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.17199492	6.766	15.000
2,4-Trichlorobenzene	AVRG		0.97718532	6.236	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date(s): 09/28/05 09/29/05

Column: ZB-624 ID: 0.32 (mm) Calibration Time(s): 2139 0104

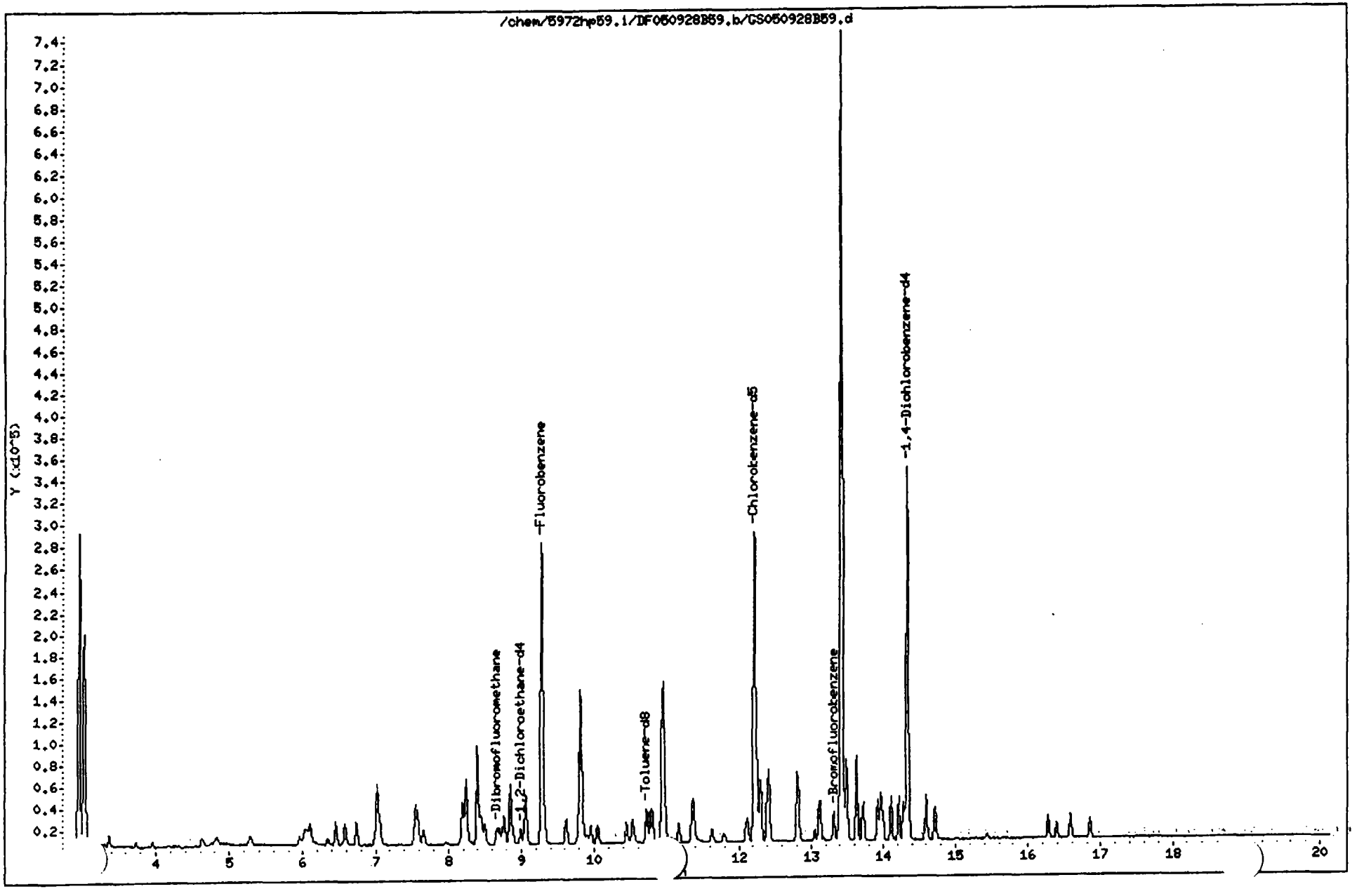
COMPOUND	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.66262785	4.387	15.000
Methyl acetate	AVRG		0.23118732	11.380	15.000
Cyclohexane	AVRG		0.52437776	8.417	15.000
Methylcyclohexane	AVRG		0.43329571	6.973	15.000
Dibromofluoromethane	AVRG		0.29103647	5.031	15.000
1,2-Dichloroethane-d4	AVRG		0.27322484	8.352	15.000
Toluene-d8	AVRG		1.41318899	3.559	15.000
Bromofluorobenzene	AVRG		1.15147175	5.249	15.000

FORM VI VOA

Data File: /chem/5972hp59.i/DF050928B59.b/CS050928B59.d
Date : 28-SEP-2005 21:39
Client ID: VSTD005
Sample Info: VSTD005:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928B59.b/GS050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GS050928B59.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 28-SEP-2005 21:39
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD005:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 28-SEP-2005 21:39 Cal File: GS050928B59.d
Als bottle: 7 Calibration Sample, Level: 1
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	9.284	9.288	(1.000)	350636	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.223	(1.000)	222511	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.341	(1.000)	109200	250.000	
$ 4 Dibromofluoromethane	113	8.664	8.657	(0.933)	10971	25.0000	27
$ 5 1,2-Dichloroethane-d4	65	8.989	8.992	(0.968)	10646	25.0000	28
$ 6 Toluene-d8	98	10.722	10.726	(0.877)	33381	25.0000	27
$ 7 Bromofluorobenzene	95	13.313	13.306	(0.929)	13813	25.0000	27
8 Dichlorodifluoromethane	85	3.374	3.378	(0.363)	12184	25.0000	25
9 Chloromethane	50	3.739	3.742	(0.403)	8681	25.0000	25
10 Vinyl Chloride	62	3.955	3.949	(0.426)	6729	25.0000	23
11 Bromomethane	94	4.635	4.639	(0.499)	7859	25.0000	28
12 Chloroethane	64	4.822	4.826	(0.519)	7556	25.0000	34
13 Trichlorofluoromethane	101	5.285	5.279	(0.569)	12669	25.0000	24
14 Acrolein	56	5.965	5.959	(0.642)	11170	250.000	270(M)
15 1,1-Dichloroethene	96	6.103	6.106	(0.657)	9544	25.0000	25
16 1,1,1-trichloro-2,2,2-trifluo	117	6.024	6.028	(0.649)	4334	25.0000	24

2

Data File: /chem/5972hp59.i/DF050928B59.b/GS050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.172	6.156	(0.665)	8616	62.5000	78
18 Iodomethane	142	6.349	6.343	(0.684)	8624	25.0000	34
19 1,1,2-trichloro-1,2,2-trifluo	101	6.063	6.057	(0.653)	11559	25.0000	24
20 Carbon disulfide	76	6.457	6.451	(0.696)	36339	25.0000	24
21 3-Chloropropene	76	6.575	6.579	(0.708)	5576	25.0000	24
22 Acetonitrile	41	6.575	6.579	(0.708)	16130	25.0000	24
23 Methyl acetate	43	6.585	6.579	(0.709)	9923	25.0000	31
24 Methylene Chloride	84	6.733	6.737	(0.725)	12108	25.0000	26
25 Acrylonitrile	53	7.029	7.022	(0.757)	44827	250.000	280
26 trans-1,2-Dichloroethene	96	7.068	7.062	(0.761)	10810	25.0000	25
27 trans-1,2-DCE (part of total)	96	7.068	7.062	(0.761)	10810	25.0000	25
28 Methyl-tert-butyl ether	73	7.019	7.013	(0.756)	25219	25.0000	26
29 1,1-Dichloroethane	63	7.570	7.564	(0.815)	18944	25.0000	24
30 Chloroprene	53	7.659	7.663	(0.825)	13338	25.0000	24
31 Vinyl acetate	43	7.570	7.564	(0.815)	38195	25.0000	26
32 Isopropyl ether	45	7.551	7.554	(0.813)	37287	25.0000	25
33 cis-1,2-Dichloroethene	96	8.201	8.194	(0.883)	11635	25.0000	25
34 cis-1,2-DCE (part of total)	96	8.201	8.194	(0.883)	11635	25.0000	25
35 2,2-Dichloropropane	77	8.191	8.194	(0.882)	14729	25.0000	26
36 Propionitrile	54	8.240	8.244	(0.888)	75530	1250.00	1400
37 2-butanone	43	8.171	8.165	(0.880)	14698	62.5000	75
38 Methacrylonitrile	41	8.398	8.391	(0.905)	63079	250.000	290
39 Bromochloromethane	128	8.457	8.451	(0.911)	5248	25.0000	26
7 Chloroform	83	8.506	8.500	(0.916)	18589	25.0000	26
1,1,1-Trichloroethane	97	8.703	8.707	(0.937)	13373	25.0000	24
42 Cyclohexane	56	8.762	8.766	(0.944)	18229	25.0000	25
43 1,1-dichloropropene	75	8.851	8.854	(0.953)	13339	25.0000	25
44 Carbon Tetrachloride	117	8.870	8.864	(0.955)	11045	25.0000	25
45 1,2-Dichloroethane	62	9.067	9.061	(0.977)	11991	25.0000	25
46 Isobutyl alcohol	43	8.851	8.845	(0.953)	24750	1250.00	1500
47 Benzene	78	9.058	9.061	(0.976)	39740	25.0000	25
48 Trichloroethene	130	9.619	9.613	(1.036)	9613	25.0000	25
49 Methylcyclohexane	83	9.796	9.790	(1.055)	15431	25.0000	25
50 1,2-Dichloropropane	63	9.816	9.820	(1.057)	11343	25.0000	26
51 Dibromomethane	174	9.954	9.958	(1.072)	5965	25.0000	25
52 1,4-dioxane	88	9.905	9.908	(1.067)	4659	1250.00	1200
53 Methylmethacrylate	69	9.816	9.820	(1.057)	73533	250.000	280
54 Bromodichloromethane	83	10.052	10.056	(1.083)	12659	25.0000	25
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.446	10.450	(1.125)	16544	25.0000	25
57 4-Methyl-2-pentanone	43	10.525	10.519	(0.861)	28506	62.5000	68
58 Toluene	92	10.791	10.795	(0.883)	23403	25.0000	25
59 trans-1,3-Dichloropropene	75	10.959	10.952	(0.897)	14370	25.0000	25
60 1,1,2-Trichloroethane	97	11.165	11.169	(0.914)	8503	25.0000	25
61 Ethylmethacrylate	69	10.949	10.943	(0.896)	132970	250.000	270
62 1,3-Dichloropropane	76	11.353	11.356	(0.929)	15036	25.0000	25
63 Tetrachloroethene	164	11.372	11.366	(0.931)	6520	25.0000	24

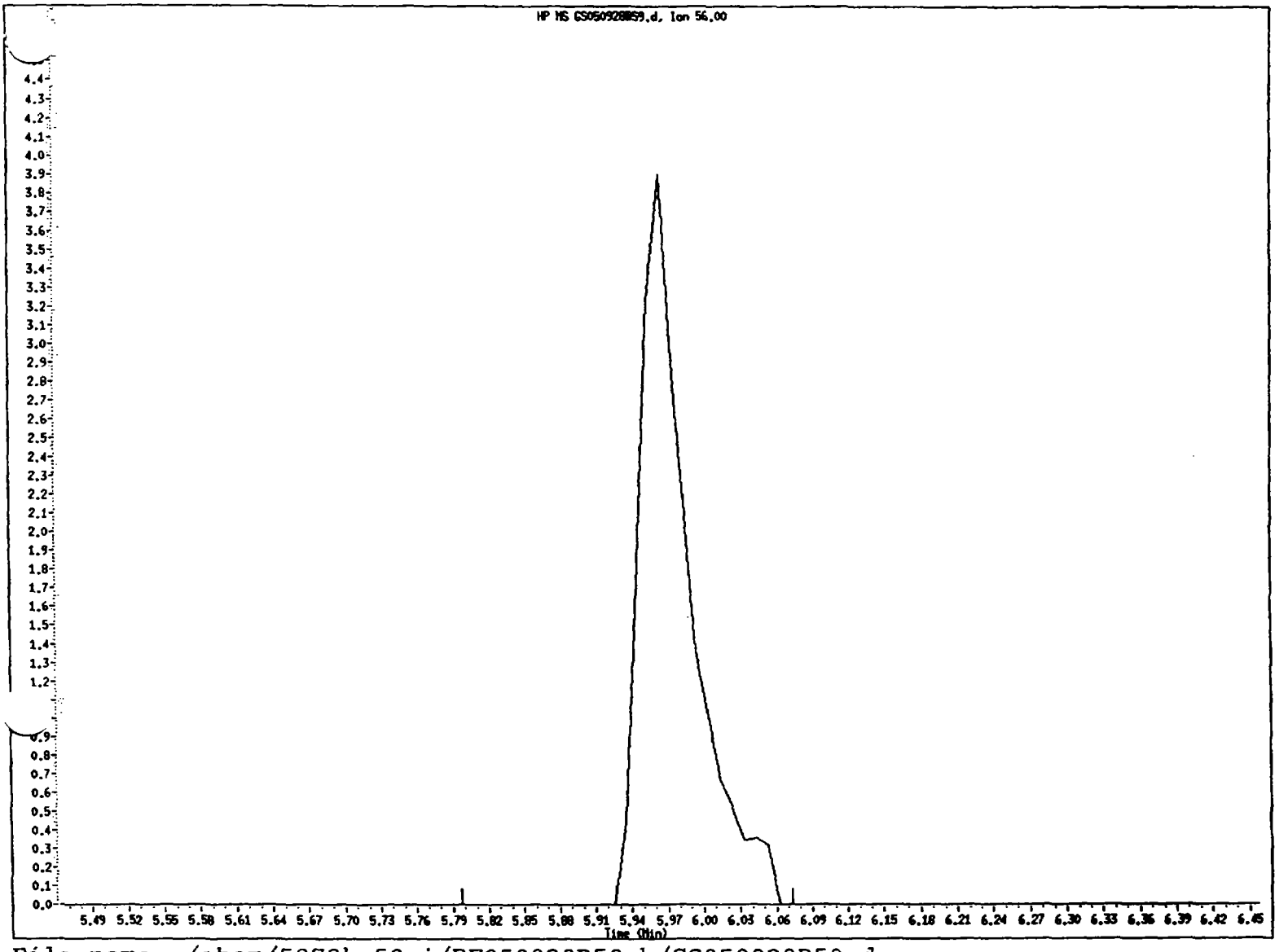
Data File: /chem/5972hp59.i/DF050928B59.b/GS050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.353	11.337	(0.929)	20523	62.5000	69
65 Dibromochloromethane	129	11.638	11.632	(0.952)	9726	25.0000	25
66 1,2-Dibromoethane	107	11.796	11.790	(0.965)	8857	25.0000	24
67 Chlorobenzene	112	12.249	12.253	(1.002)	23329	25.0000	25
69 1,1,1,2-Tetrachloroethane	131	12.298	12.302	(1.006)	7748	25.0000	23
70 Ethylbenzene	106	12.308	12.302	(1.007)	11318	25.0000	24
71 m,p-Xylene	106	12.416	12.410	(1.016)	28993	50.0000	49
72 m,p-Xylene (part of total)	106	12.416	12.410	(1.016)	28993	50.0000	49
73 o-Xylene	106	12.810	12.804	(1.048)	13704	25.0000	24
74 o-Xylene (part of total)	106	12.810	12.804	(1.048)	13704	25.0000	24
75 Styrene	104	12.820	12.814	(1.049)	24046	25.0000	23
76 Bromoform	173	13.056	13.060	(1.068)	5998	25.0000	24 (M)
78 Isopropyl Benzene	105	13.125	13.119	(1.074)	35913	25.0000	24
79 1,1,2,2-Tetrachloroethane	83	13.382	13.385	(0.933)	14906	25.0000	27
80 1,2,3-Trichloropropane	110	13.450	13.454	(1.101)	2698	25.0000	25
81 Bromobenzene	156	13.490	13.494	(1.104)	9104	25.0000	24
82 trans-1,4-dichloro-2-butene	53	13.421	13.425	(1.098)	172687	100.000	140
83 n-Propyl Benzene	91	13.490	13.494	(0.941)	51743	25.0000	26
84 2-Chlorotoluene	126	13.628	13.631	(0.951)	8304	25.0000	24
85 4-Chlorotoluene	126	13.716	13.710	(0.957)	8318	25.0000	24
86 1,3,5-Trimethyl Benzene	105	13.628	13.622	(0.951)	29421	25.0000	25
87 Pentachloroethane	167	14.002	14.006	(0.977)	5037	25.0000	23
88 tert-Butyl Benzene	119	13.923	13.927	(0.971)	23691	25.0000	24 (M)
89 1,2,4-Trimethyl Benzene	105	13.973	13.966	(0.975)	29549	25.0000	24
90 sec-Butyl Benzene	105	14.120	14.114	(0.985)	38859	25.0000	24
91 1,3-Dichlorobenzene	146	14.288	14.291	(0.997)	17341	25.0000	25
92 p-Isopropyl Toluene	119	14.219	14.222	(0.992)	28885	25.0000	24
93 1,4-Dichlorobenzene	146	14.357	14.360	(1.001)	18320	25.0000	25
94 1,2-Dichlorobenzene	146	14.721	14.715	(1.027)	15162	25.0000	24
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.597	(1.018)	33288	25.0000	24
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.444	(1.077)	1746	25.0000	23
97 1,2,4-Trichlorobenzene	180	16.277	16.281	(1.135)	10191	25.0000	24
98 Hexachlorobutadiene	225	16.386	16.389	(1.143)	4713	25.0000	24
99 Naphthalene	128	16.573	16.576	(1.156)	26950	25.0000	25
100 1,2,3-Trichlorobenzene	180	16.849	16.852	(1.175)	9753	25.0000	24
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				22445	50.0000	51
M 102 Xylene (total)	106				42697	75.0000	72

QC Flag Legend

M - Compound response manually integrated.

Acrolein CAS Number 107-02-8 Area = 11170 Manually integrated



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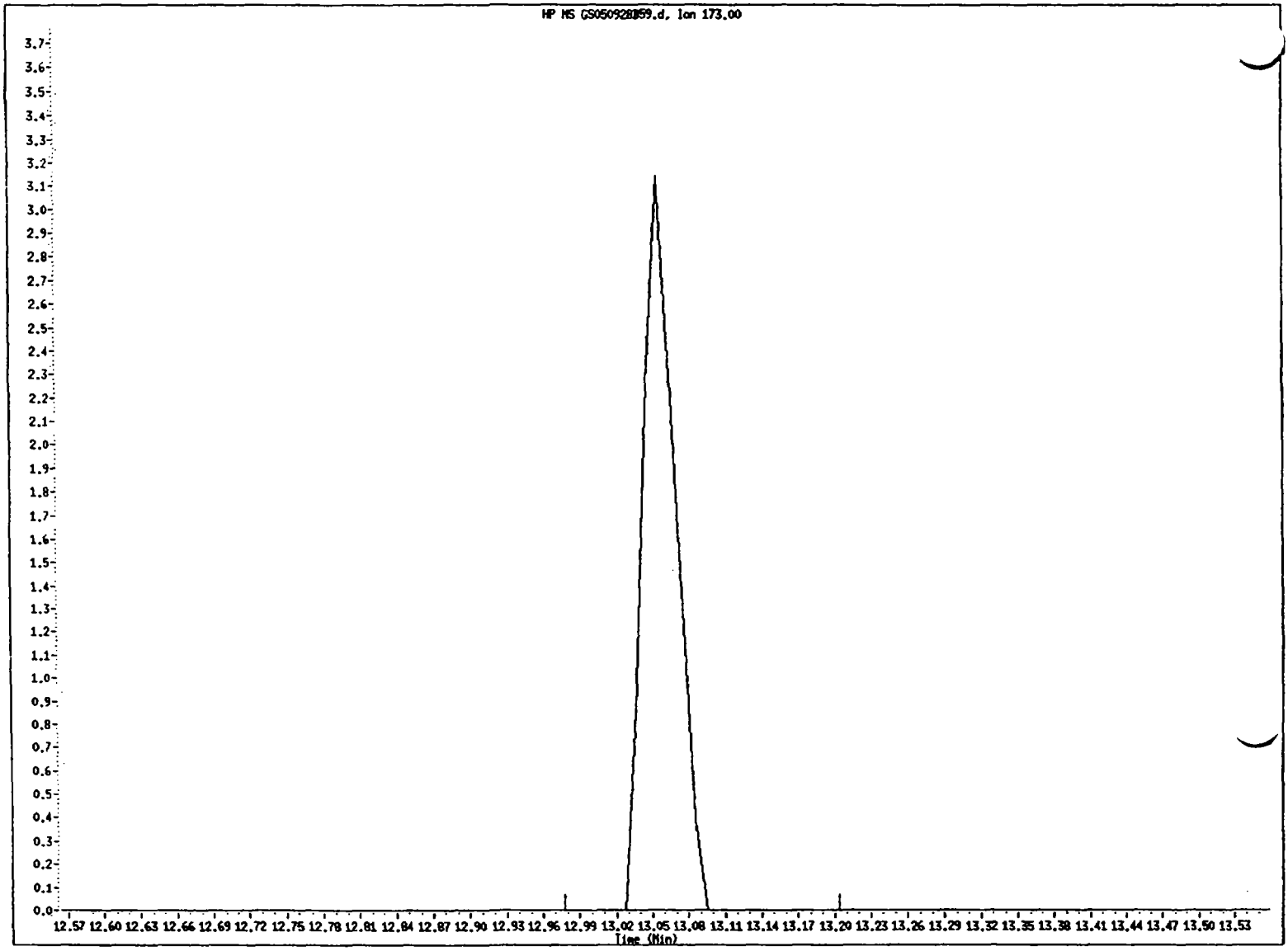
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 21:39
Retention Time: 5.96
Operator ID: 2481

Bromoform CAS Number 75-25-2 Area = 5998 Manually integrated



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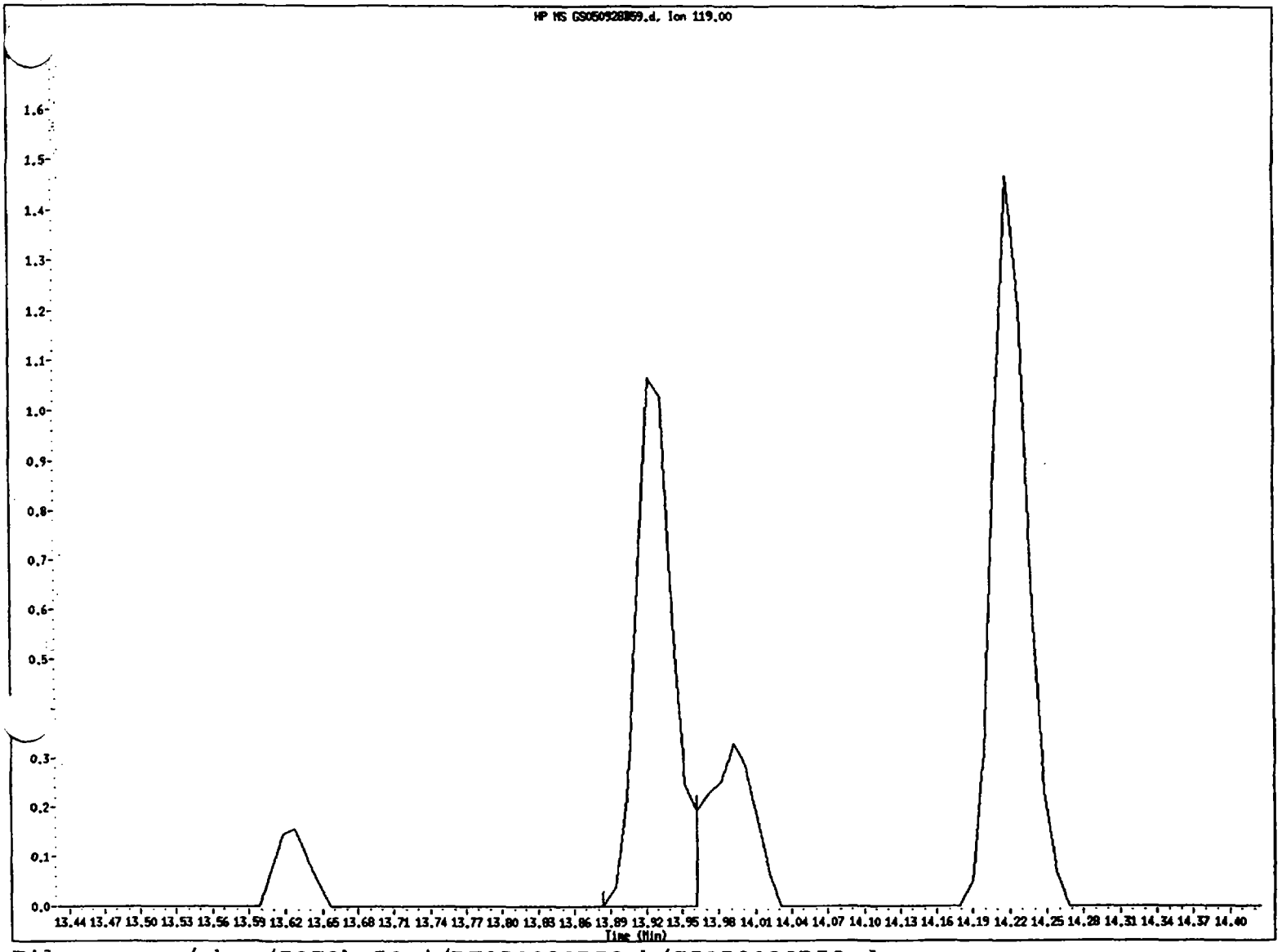
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 21:39
Retention Time: 13.06
Operator ID: 2481

tert-Butyl Benzene CAS Number 98-06-6 Area = 23691 Manually integrated



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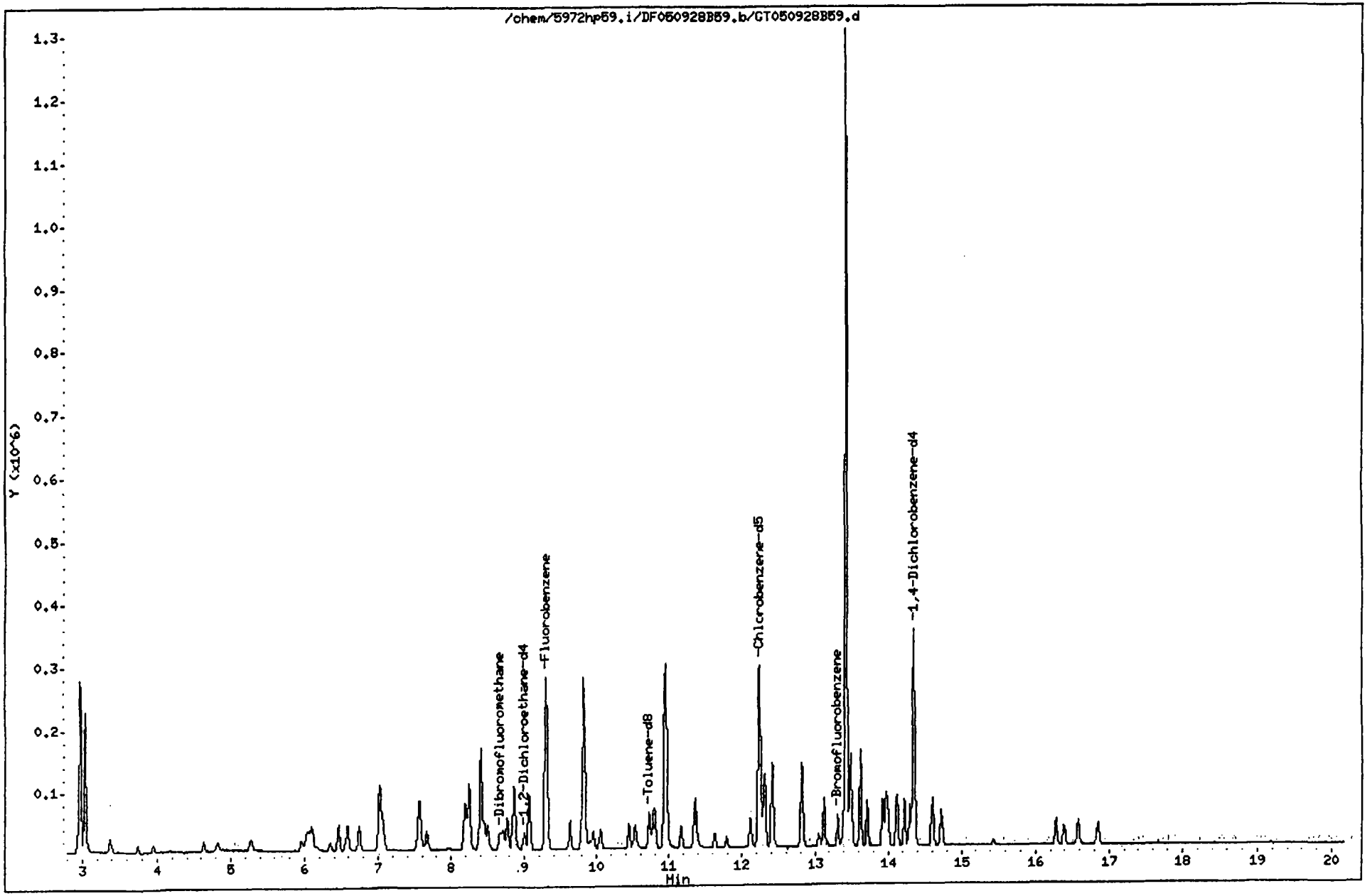
Client ID: VSTD005
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 21:39
Retention Time: 13.92
Operator ID: 2481

Data File: /chem/5972hp59.i/DF050928B59.b/GT050928B59.d
Date : 28-SEP-2005 22:07
Client ID: VSTD010
Sample Info: VSTD010:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928B59.b/GT050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GT050928B59.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 28-SEP-2005 22:07
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD010:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 28-SEP-2005 22:07 Cal File: GT050928B59.d
Als bottle: 8 Calibration Sample, Level: 2
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

Compound 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	9.292	9.288	(1.000)	351452	250.000	
* 2 Chlorobenzene-d5	117	12.227	12.223	(1.000)	213899	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.335	14.341	(1.000)	106437	250.000	
$ 4 Dibromofluoromethane	113	8.662	8.657	(0.932)	20502	50.0000	50
$ 5 1,2-Dichloroethane-d4	65	8.997	8.992	(0.968)	19239	50.0000	50
$ 6 Toluene-d8	98	10.720	10.726	(0.877)	60114	50.0000	50
$ 7 Bromofluorobenzene	95	13.311	13.306	(0.929)	23968	50.0000	49
8 Dichlorodifluoromethane	85	3.373	3.378	(0.363)	24271	50.0000	50
9 Chloromethane	50	3.737	3.742	(0.402)	16771	50.0000	48
10 Vinyl Chloride	62	3.954	3.949	(0.425)	13963	50.0000	48
11 Bromomethane	94	4.633	4.639	(0.499)	13762	50.0000	49
12 Chloroethane	64	4.820	4.826	(0.519)	14142	50.0000	54
13 Trichlorofluoromethane	101	5.283	5.279	(0.569)	25589	50.0000	49
14 Acrolein	56	5.963	5.959	(0.642)	19504	500.000	460
15 1,1-Dichloroethene	96	6.101	6.106	(0.657)	19084	50.0000	50
16 1,1,1-trichloro-2,2,2-trifluo	117	6.022	6.028	(0.648)	8561	50.0000	47

Data File: /chem/5972hp59.i/DF050928B59.b/GT050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.160	6.156	(0.663)	13488	125.000	120
18 Iodomethane	142	6.347	6.343	(0.683)	21079	50.0000	54
19 1,1,2-trichloro-1,2,2-trifluo	101	6.061	6.057	(0.652)	23464	50.0000	49
20 Carbon disulfide	76	6.455	6.451	(0.695)	72704	50.0000	49
21 3-Chloropropene	76	6.574	6.579	(0.707)	11396	50.0000	49
22 Acetonitrile	41	6.574	6.579	(0.707)	34572	50.0000	52
23 Methyl acetate	43	6.574	6.579	(0.707)	15404	50.0000	47
24 Methylene Chloride	84	6.731	6.737	(0.724)	23184	50.0000	49
25 Acrylonitrile	53	7.017	7.022	(0.755)	78062	500.000	480
26 trans-1,2-Dichloroethene	96	7.066	7.062	(0.760)	20754	50.0000	49
27 trans-1,2-DCE (part of total)	96	7.066	7.062	(0.760)	20754	50.0000	49
28 Methyl-tert-butyl ether	73	7.017	7.013	(0.755)	47608	50.0000	49
29 1,1-Dichloroethane	63	7.568	7.564	(0.814)	38458	50.0000	49
30 Chloroprene	53	7.667	7.663	(0.825)	27102	50.0000	49
31 Vinyl acetate	43	7.568	7.564	(0.814)	72197	50.0000	50
32 Isopropyl ether	45	7.549	7.554	(0.812)	75167	50.0000	50
33 cis-1,2-Dichloroethene	96	8.199	8.194	(0.882)	22868	50.0000	50
34 cis-1,2-DCE (part of total)	96	8.199	8.194	(0.882)	22868	50.0000	50
35 2,2-Dichloropropane	77	8.189	8.194	(0.881)	28348	50.0000	51
36 Propionitrile	54	8.238	8.244	(0.887)	129746	2500.00	2500
37 2-butanone	43	8.169	8.165	(0.879)	23318	125.000	120
38 Methacrylonitrile	41	8.396	8.391	(0.904)	110223	500.000	500
39 Bromochloromethane	128	8.455	8.451	(0.910)	10005	50.0000	49
40 Chloroform	83	8.494	8.500	(0.914)	36222	50.0000	50
41 1,1,1-Trichloroethane	97	8.701	8.707	(0.936)	27859	50.0000	50
42 Cyclohexane	56	8.760	8.766	(0.943)	35260	50.0000	48
43 1,1-dichloropropene	75	8.849	8.854	(0.952)	27025	50.0000	50
44 Carbon Tetrachloride	117	8.869	8.864	(0.954)	21634	50.0000	49
45 1,2-Dichloroethane	62	9.066	9.061	(0.976)	24333	50.0000	50
46 Isobutyl alcohol	43	8.849	8.845	(0.952)	41136	2500.00	2500
47 Benzene	78	9.056	9.061	(0.975)	78459	50.0000	50
48 Trichloroethene	130	9.617	9.613	(1.035)	18398	50.0000	49
49 Methylcyclohexane	83	9.794	9.790	(1.054)	28784	50.0000	47
50 1,2-Dichloropropane	63	9.814	9.820	(1.056)	22635	50.0000	52
51 Dibromomethane	174	9.952	9.958	(1.071)	11776	50.0000	49
52 1,4-dioxane	88	9.913	9.908	(1.067)	9078	2500.00	2400
53 Methylmethacrylate	69	9.814	9.820	(1.056)	132300	500.000	490
54 Bromodichloromethane	83	10.051	10.056	(1.082)	24922	50.0000	48
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.445	10.450	(1.124)	31876	50.0000	48
57 4-Methyl-2-pentanone	43	10.523	10.519	(0.861)	50416	125.000	130
58 Toluene	92	10.789	10.795	(0.882)	45811	50.0000	50
59 trans-1,3-Dichloropropene	75	10.957	10.952	(0.896)	27629	50.0000	51
60 1,1,2-Trichloroethane	97	11.164	11.169	(0.913)	16608	50.0000	51
61 Ethylmethacrylate	69	10.947	10.943	(0.895)	239215	500.000	510
62 1,3-Dichloropropane	76	11.351	11.356	(0.928)	28950	50.0000	50
63 Tetrachloroethene	164	11.370	11.366	(0.930)	13242	50.0000	51

Data File: /chem/5972hp59.i/DF050928B59.b/GT050928B59.d
Report Date: 30-Sep-2005 01:11

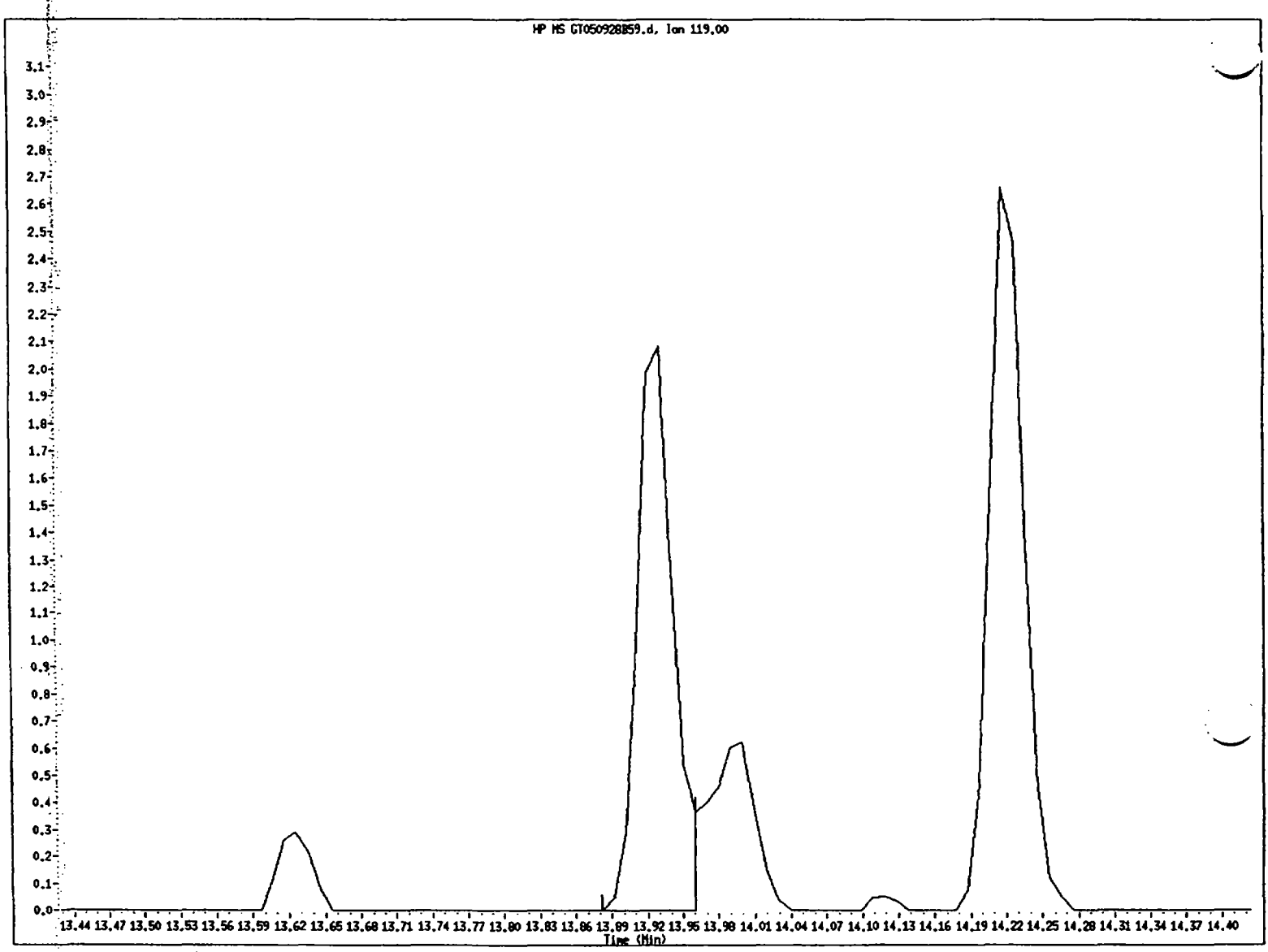
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.351	11.337	(0.928)	34419	125.000	120
65 Dibromochloromethane	129	11.636	11.632	(0.952)	18203	50.0000	48
66 1,2-Dibromoethane	107	11.794	11.790	(0.965)	17311	50.0000	50
67 Chlorobenzene	112	12.257	12.253	(1.002)	45179	50.0000	50
69 1,1,1,2-Tetrachloroethane	131	12.296	12.302	(1.006)	16283	50.0000	51
70 Ethylbenzene	106	12.306	12.302	(1.006)	23159	50.0000	50
71 m,p-Xylene	106	12.405	12.410	(1.014)	57416	100.000	100
72 m,p-Xylene (part of total)	106	12.405	12.410	(1.014)	57416	100.000	100
73 o-Xylene	106	12.808	12.804	(1.048)	27144	50.0000	49
74 o-Xylene (part of total)	106	12.808	12.804	(1.048)	27144	50.0000	49
75 Styrene	104	12.818	12.814	(1.048)	48490	50.0000	49
76 Bromoform	173	13.055	13.060	(1.068)	11296	50.0000	47
78 Isopropyl Benzene	105	13.124	13.119	(1.073)	68172	50.0000	48
79 1,1,2,2-Tetrachloroethane	83	13.380	13.385	(0.933)	25998	50.0000	49
80 1,2,3-Trichloropropane	110	13.449	13.454	(1.100)	5201	50.0000	50
81 Bromobenzene	156	13.488	13.494	(1.103)	17628	50.0000	49
82 trans-1,4-dichloro-2-butene	53	13.419	13.425	(1.097)	299098	200.000	200
83 n-Propyl Benzene	91	13.488	13.494	(0.941)	96516	50.0000	49
84 2-Chlorotoluene	126	13.626	13.631	(0.951)	16243	50.0000	49
85 4-Chlorotoluene	126	13.715	13.710	(0.957)	16469	50.0000	48
86 1,3,5-Trimethyl Benzene	105	13.626	13.622	(0.951)	55485	50.0000	48
87 Pentachloroethane	167	14.000	14.006	(0.977)	9768	50.0000	47
88 tert-Butyl Benzene	119	13.931	13.927	(0.972)	44641	50.0000	46 (M)
89 1,2,4-Trimethyl Benzene	105	13.971	13.966	(0.975)	56964	50.0000	48
1 sec-Butyl Benzene	105	14.118	14.114	(0.985)	74142	50.0000	47
1,3-Dichlorobenzene	146	14.286	14.291	(0.997)	32768	50.0000	48
92 p-Isopropyl Toluene	119	14.217	14.222	(0.992)	53873	50.0000	47
93 1,4-Dichlorobenzene	146	14.365	14.360	(1.002)	34834	50.0000	49
94 1,2-Dichlorobenzene	146	14.719	14.715	(1.027)	30807	50.0000	49
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.591	14.597	(1.018)	62194	50.0000	46
96 1,2-Dibromo-3-Chloropropane	157	15.438	15.444	(1.077)	3382	50.0000	46
97 1,2,4-Trichlorobenzene	180	16.276	16.281	(1.135)	19050	50.0000	46
98 Hexachlorobutadiene	225	16.384	16.389	(1.143)	8520	50.0000	44
99 Naphthalene	128	16.581	16.576	(1.157)	47528	50.0000	45
100 1,2,3-Trichlorobenzene	180	16.847	16.852	(1.175)	17927	50.0000	46
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				43622	100.000	98
M 102 Xylene (total)	106				84560	150.000	150

2

QC Flag Legend

M - Compound response manually integrated.

tert-Butyl Benzene CAS Number 98-06-6 Area = 44641 Manually integrated



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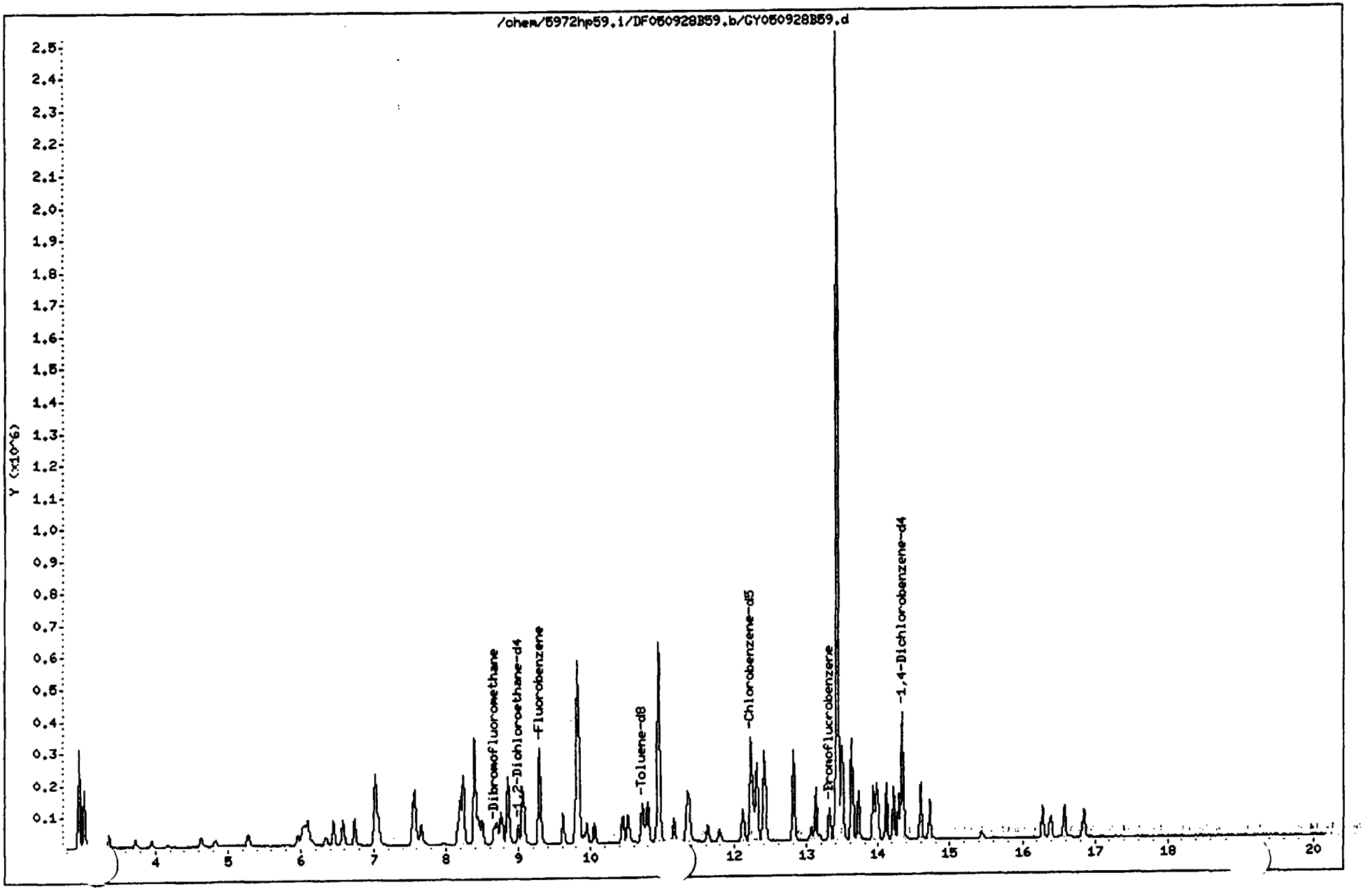
Client ID: VSTD010
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 22:07
Retention Time: 13.93
Operator ID: 2481

Data File: /chem/5972hp59.i/DF050928B59.b/GY050928B59.d
Date : 29-SEP-2005 01:04
Client ID: VSTD020
Sample Info: VSTD020:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928B59.b/GY050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GY050928B59.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 29-SEP-2005 01:04
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD020:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 01:04 Cal File: GY050928B59.d
Als bottle: 12 Calibration Sample, Level: 3
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	9.288	9.288	(1.000)	377486	250.000	
* 2 Chlorobenzene-d5	117	12.223	12.223	(1.000)	229994	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.341	14.341	(1.000)	114765	250.000	
$ 4 Dibromofluoromethane	113	8.657	8.657	(0.932)	40816	100.000	93
$ 5 1,2-Dichloroethane-d4	65	8.992	8.992	(0.968)	35370	100.000	86
$ 6 Toluene-d8	98	10.726	10.726	(0.878)	124724	100.000	96
$ 7 Bromofluorobenzene	95	13.306	13.306	(0.928)	50153	100.000	95
8 Dichlorodifluoromethane	85	3.378	3.378	(0.364)	46028	100.000	88
9 Chloromethane	50	3.742	3.742	(0.403)	34843	100.000	92
10 Vinyl Chloride	62	3.949	3.949	(0.425)	28038	100.000	91
11 Bromomethane	94	4.639	4.639	(0.499)	27936	100.000	93
12 Chloroethane	64	4.826	4.826	(0.520)	22799	100.000	76
13 Trichlorofluoromethane	101	5.279	5.279	(0.568)	50705	100.000	90
14 Acrolein	56	5.959	5.959	(0.642)	42904	1000.00	950
15 1,1-Dichloroethene	96	6.106	6.106	(0.657)	36652	100.000	89
16 1,1,1-trichloro-2,2,2-trifluo	117	6.028	6.028	(0.649)	17078	100.000	88

Data File: /chem/5972hp59.i/DF050928B59.b/GY050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.156	6.156	(0.663)	27778	250.000	230
18 Iodomethane	142	6.343	6.343	(0.683)	40118	100.000	79
19 1,1,2-trichloro-1,2,2-trifluo	101	6.057	6.057	(0.652)	45263	100.000	89
20 Carbon disulfide	76	6.451	6.451	(0.695)	142636	100.000	89
21 3-Chloropropene	76	6.579	6.579	(0.708)	23008	100.000	91
22 Acetonitrile	41	6.579	6.579	(0.708)	64956	100.000	91
23 Methyl acetate	43	6.579	6.579	(0.708)	35193	100.000	100
24 Methylene Chloride	84	6.737	6.737	(0.725)	46553	100.000	92
25 Acrylonitrile	53	7.022	7.022	(0.756)	167650	1000.00	970
26 trans-1,2-Dichloroethene	96	7.062	7.062	(0.760)	41761	100.000	91
27 trans-1,2-DCE (part of total)	96	7.062	7.062	(0.760)	41761	100.000	91
28 Methyl-tert-butyl ether	73	7.013	7.013	(0.755)	99598	100.000	95
29 1,1-Dichloroethane	63	7.564	7.564	(0.814)	77887	100.000	93
30 Chloroprene	53	7.663	7.663	(0.825)	53097	100.000	89
31 Vinyl acetate	43	7.564	7.564	(0.814)	143804	100.000	92
32 Isopropyl ether	45	7.554	7.554	(0.813)	149765	100.000	93
33 cis-1,2-Dichloroethene	96	8.194	8.194	(0.882)	45126	100.000	91
34 cis-1,2-DCE (part of total)	96	8.194	8.194	(0.882)	45126	100.000	91
35 2,2-Dichloropropane	77	8.194	8.194	(0.882)	52066	100.000	87
36 Propionitrile	54	8.244	8.244	(0.888)	275933	5000.00	4900
37 2-butanone	43	8.165	8.165	(0.879)	50606	250.000	240
38 Methacrylonitrile	41	8.391	8.391	(0.903)	226442	1000.00	950
39 Bromochloromethane	128	8.451	8.451	(0.910)	20237	100.000	93
40 Chloroform	83	8.500	8.500	(0.915)	70863	100.000	90
1 1,1,1-Trichloroethane	97	8.707	8.707	(0.937)	55267	100.000	92
42 Cyclohexane	56	8.766	8.766	(0.944)	68407	100.000	86
43 1,1-dichloropropene	75	8.854	8.854	(0.953)	53157	100.000	92
44 Carbon Tetrachloride	117	8.864	8.864	(0.954)	43132	100.000	90
45 1,2-Dichloroethane	62	9.061	9.061	(0.976)	48943	100.000	93
46 Isobutyl alcohol	43	8.845	8.845	(0.952)	87911	5000.00	4900
47 Benzene	78	9.061	9.061	(0.976)	154106	100.000	91
48 Trichloroethene	130	9.613	9.613	(1.035)	37425	100.000	92
49 Methylcyclohexane	83	9.790	9.790	(1.054)	59732	100.000	91
50 1,2-Dichloropropane	63	9.820	9.820	(1.057)	44229	100.000	94
51 Dibromomethane	174	9.958	9.958	(1.072)	24203	100.000	94
52 1,4-dioxane	88	9.908	9.908	(1.067)	19032	5000.00	4700
53 Methylmethacrylate	69	9.820	9.820	(1.057)	279706	1000.00	970
54 Bromodichloromethane	83	10.056	10.056	(1.083)	50633	100.000	92
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.450	10.450	(1.125)	66060	100.000	92
57 4-Methyl-2-pentanone	43	10.519	10.519	(0.861)	105875	250.000	240
58 Toluene	92	10.795	10.795	(0.883)	92171	100.000	93
59 trans-1,3-Dichloropropene	75	10.952	10.952	(0.896)	55607	100.000	95
60 1,1,2-Trichloroethane	97	11.169	11.169	(0.914)	33355	100.000	95
61 Ethylmethacrylate	69	10.943	10.943	(0.895)	502428	1000.00	990
62 1,3-Dichloropropane	76	11.356	11.356	(0.929)	59974	100.000	97
63 Tetrachloroethene	164	11.366	11.366	(0.930)	26537	100.000	95

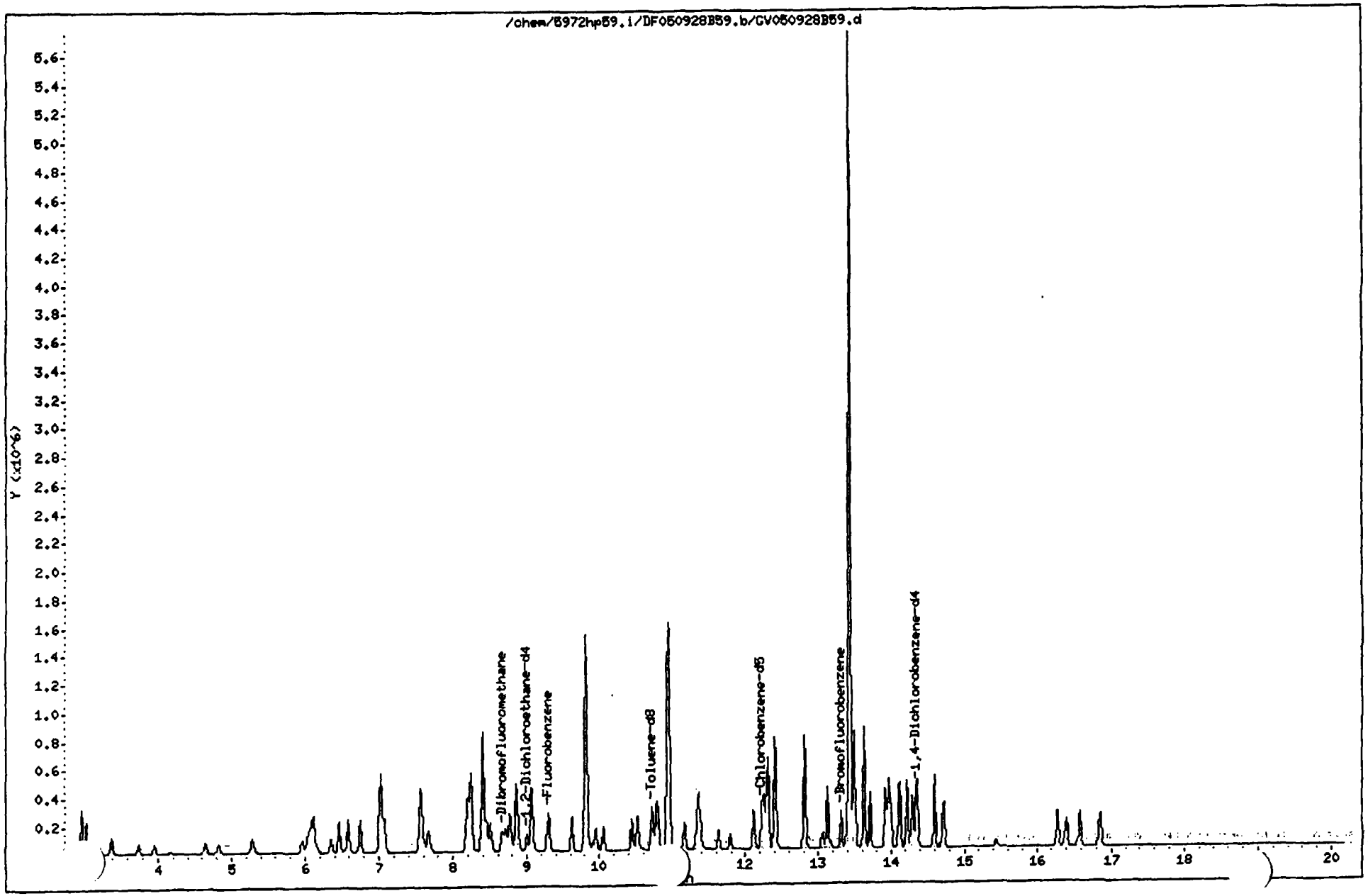
Data File: /chem/5972hp59.i/DF050928B59.b/GY050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.337	11.337	(0.927)	76102	250.000	250
65 Dibromochloromethane	129	11.632	11.632	(0.952)	37954	100.000	94
66 1,2-Dibromoethane	107	11.790	11.790	(0.965)	35275	100.000	94
67 Chlorobenzene	112	12.253	12.253	(1.002)	91843	100.000	94
69 1,1,1,2-Tetrachloroethane	131	12.302	12.302	(1.006)	32474	100.000	94
70 Ethylbenzene	106	12.302	12.302	(1.006)	46188	100.000	93
71 m,p-Xylene	106	12.410	12.410	(1.015)	115791	200.000	190
72 m,p-Xylene (part of total)	106	12.410	12.410	(1.015)	115791	200.000	190
73 o-Xylene	106	12.804	12.804	(1.048)	56776	100.000	95
74 o-Xylene (part of total)	106	12.804	12.804	(1.048)	56776	100.000	95
75 Styrene	104	12.814	12.814	(1.048)	99978	100.000	94
76 Bromoform	173	13.060	13.060	(1.068)	24334	100.000	95
78 Isopropyl Benzene	105	13.119	13.119	(1.073)	142387	100.000	94
79 1,1,2,2-Tetrachloroethane	83	13.385	13.385	(0.933)	54753	100.000	96
80 1,2,3-Trichloropropane	110	13.454	13.454	(1.101)	11319	100.000	100
81 Bromobenzene	156	13.494	13.494	(1.104)	36646	100.000	95
82 trans-1,4-dichloro-2-butene	53	13.425	13.425	(1.098)	598338	400.000	340
83 n-Propyl Benzene	91	13.494	13.494	(0.941)	199405	100.000	94
84 2-Chlorotoluene	126	13.631	13.631	(0.951)	33662	100.000	94
85 4-Chlorotoluene	126	13.710	13.710	(0.956)	35251	100.000	96
86 1,3,5-Trimethyl Benzene	105	13.622	13.622	(0.950)	116501	100.000	93
87 Pentachloroethane	167	14.006	14.006	(0.977)	21407	100.000	95
88 tert-Butyl Benzene	119	13.927	13.927	(0.971)	101794	100.000	96
89 1,2,4-Trimethyl Benzene	105	13.966	13.966	(0.974)	120709	100.000	94
90 sec-Butyl Benzene	105	14.114	14.114	(0.984)	157805	100.000	93
91 1,3-Dichlorobenzene	146	14.291	14.291	(0.997)	69329	100.000	95
92 p-Isopropyl Toluene	119	14.222	14.222	(0.992)	115520	100.000	93
93 1,4-Dichlorobenzene	146	14.360	14.360	(1.001)	71266	100.000	94
94 1,2-Dichlorobenzene	146	14.715	14.715	(1.026)	64826	100.000	96
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.597	14.597	(1.018)	134788	100.000	93
96 1,2-Dibromo-3-Chloropropane	157	15.444	15.444	(1.077)	7677	100.000	97
97 1,2,4-Trichlorobenzene	180	16.281	16.281	(1.135)	43334	100.000	97
98 Hexachlorobutadiene	225	16.389	16.389	(1.143)	18422	100.000	88
99 Naphthalene	128	16.576	16.576	(1.156)	115332	100.000	100
100 1,2,3-Trichlorobenzene	180	16.852	16.852	(1.175)	41178	100.000	97
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				86887	200.000	180
M 102 Xylene (total)	106				172567	300.000	280

Data File: /chem/5972hp59.i/DF050928B59.b/GV050928B59.d
Date : 28-SEP-2005 23:19
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/DF050928B59.b/GV050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GV050928B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 28-SEP-2005 23:19
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 28-SEP-2005 23:19 Cal File: GV050928B59.d
Als bottle: 10 Calibration Sample, Level: 4
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	9.293	9.288	(1.000)	352017	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.223	(1.000)	218188	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.341	(1.000)	106746	250.000	
$ 4 Dibromofluoromethane	113	8.663	8.657	(0.932)	99403	250.000	240
$ 5 1,2-Dichloroethane-d4	65	8.988	8.992	(0.967)	95396	250.000	250
$ 6 Toluene-d8	98	10.722	10.726	(0.877)	301330	250.000	240
$ 7 Bromofluorobenzene	95	13.312	13.306	(0.929)	120256	250.000	240
8 Dichlorodifluoromethane	85	3.374	3.378	(0.363)	129602	250.000	260
9 Chloromethane	50	3.738	3.742	(0.402)	93780	250.000	270
10 Vinyl Chloride	62	3.955	3.949	(0.426)	79335	250.000	280
11 Bromomethane	94	4.635	4.639	(0.499)	71299	250.000	260
12 Chloroethane	64	4.822	4.826	(0.519)	84614	250.000	270
13 Trichlorofluoromethane	101	5.285	5.279	(0.569)	141185	250.000	270
14 Acrolein	56	5.954	5.959	(0.641)	110503	2500.00	2600
15 1,1-Dichloroethene	96	6.102	6.106	(0.657)	100705	250.000	260
16 1,1,1-trichloro-2,2,2-trifluo	117	6.043	6.028	(0.650)	49588	250.000	270

Data File: /chem/5972hp59.i/DF050928B59.b/GV050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.151	6.156	(0.662)	68440	625.000	610
18 Iodomethane	142	6.348	6.343	(0.683)	146633	250.000	250
19 1,1,2-trichloro-1,2,2-trifluo	101	6.073	6.057	(0.653)	126859	250.000	270
20 Carbon disulfide	76	6.457	6.451	(0.695)	396547	250.000	270
21 3-Chloropropene	76	6.575	6.579	(0.707)	63726	250.000	270
22 Acetonitrile	41	6.575	6.579	(0.707)	177605	250.000	270
23 Methyl acetate	43	6.565	6.579	(0.706)	78140	250.000	240
24 Methylene Chloride	84	6.733	6.737	(0.724)	122713	250.000	260
25 Acrylonitrile	53	7.018	7.022	(0.755)	421237	2500.00	2600
26 trans-1,2-Dichloroethene	96	7.067	7.062	(0.760)	111565	250.000	260
27 trans-1,2-DCE (part of total)	96	7.067	7.062	(0.760)	111565	250.000	260
28 Methyl-tert-butyl ether	73	7.008	7.013	(0.754)	252412	250.000	260
29 1,1-Dichloroethane	63	7.570	7.564	(0.815)	208721	250.000	270
30 Chloroprene	53	7.668	7.663	(0.825)	148627	250.000	270
31 Vinyl acetate	43	7.560	7.564	(0.813)	387393	250.000	270
32 Isopropyl ether	45	7.550	7.554	(0.812)	398358	250.000	260
33 cis-1,2-Dichloroethene	96	8.200	8.194	(0.882)	119192	250.000	260
34 cis-1,2-DCE (part of total)	96	8.200	8.194	(0.882)	119192	250.000	260
35 2,2-Dichloropropane	77	8.200	8.194	(0.882)	145489	250.000	260
36 Propionitrile	54	8.240	8.244	(0.887)	668127	12500.0	13000
37 2-butanone	43	8.161	8.165	(0.878)	124610	625.000	630
38 Methacrylonitrile	41	8.397	8.391	(0.904)	579070	2500.00	2600
39 Bromochloromethane	128	8.446	8.451	(0.909)	53204	250.000	260
0 Chloroform	83	8.496	8.500	(0.914)	190211	250.000	260
41 1,1,1-Trichloroethane	97	8.703	8.707	(0.936)	146250	250.000	260
42 Cyclohexane	56	8.762	8.766	(0.943)	202785	250.000	270
43 1,1-dichloropropene	75	8.850	8.854	(0.952)	143196	250.000	270
44 Carbon Tetrachloride	117	8.870	8.864	(0.954)	117742	250.000	260
45 1,2-Dichloroethane	62	9.067	9.061	(0.976)	127053	250.000	260
46 Isobutyl alcohol	43	8.840	8.845	(0.951)	202047	12500.0	12000
47 Benzene	78	9.057	9.061	(0.975)	412681	250.000	260
48 Trichloroethene	130	9.619	9.613	(1.035)	99112	250.000	260
49 Methylcyclohexane	83	9.796	9.790	(1.054)	167597	250.000	270
50 1,2-Dichloropropane	63	9.816	9.820	(1.056)	116786	250.000	270
51 Dibromomethane	174	9.953	9.958	(1.071)	63194	250.000	260
52 1,4-dioxane	88	9.904	9.908	(1.066)	46996	12500.0	12000
53 Methylmethacrylate	69	9.816	9.820	(1.056)	700909	2500.00	2600
54 Bromodichloromethane	83	10.052	10.056	(1.082)	136079	250.000	260
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.446	10.450	(1.124)	174691	250.000	260
57 4-Methyl-2-pentanone	43	10.515	10.519	(0.861)	267192	625.000	650
58 Toluene	92	10.791	10.795	(0.883)	247592	250.000	260
59 trans-1,3-Dichloropropene	75	10.958	10.952	(0.897)	146015	250.000	260
60 1,1,2-Trichloroethane	97	11.165	11.169	(0.914)	87515	250.000	260
61 Ethylmethacrylate	69	10.938	10.943	(0.895)	1266643	2500.00	2600
62 1,3-Dichloropropane	76	11.352	11.356	(0.929)	154327	250.000	260
63 Tetrachloroethene	164	11.372	11.366	(0.931)	70628	250.000	270

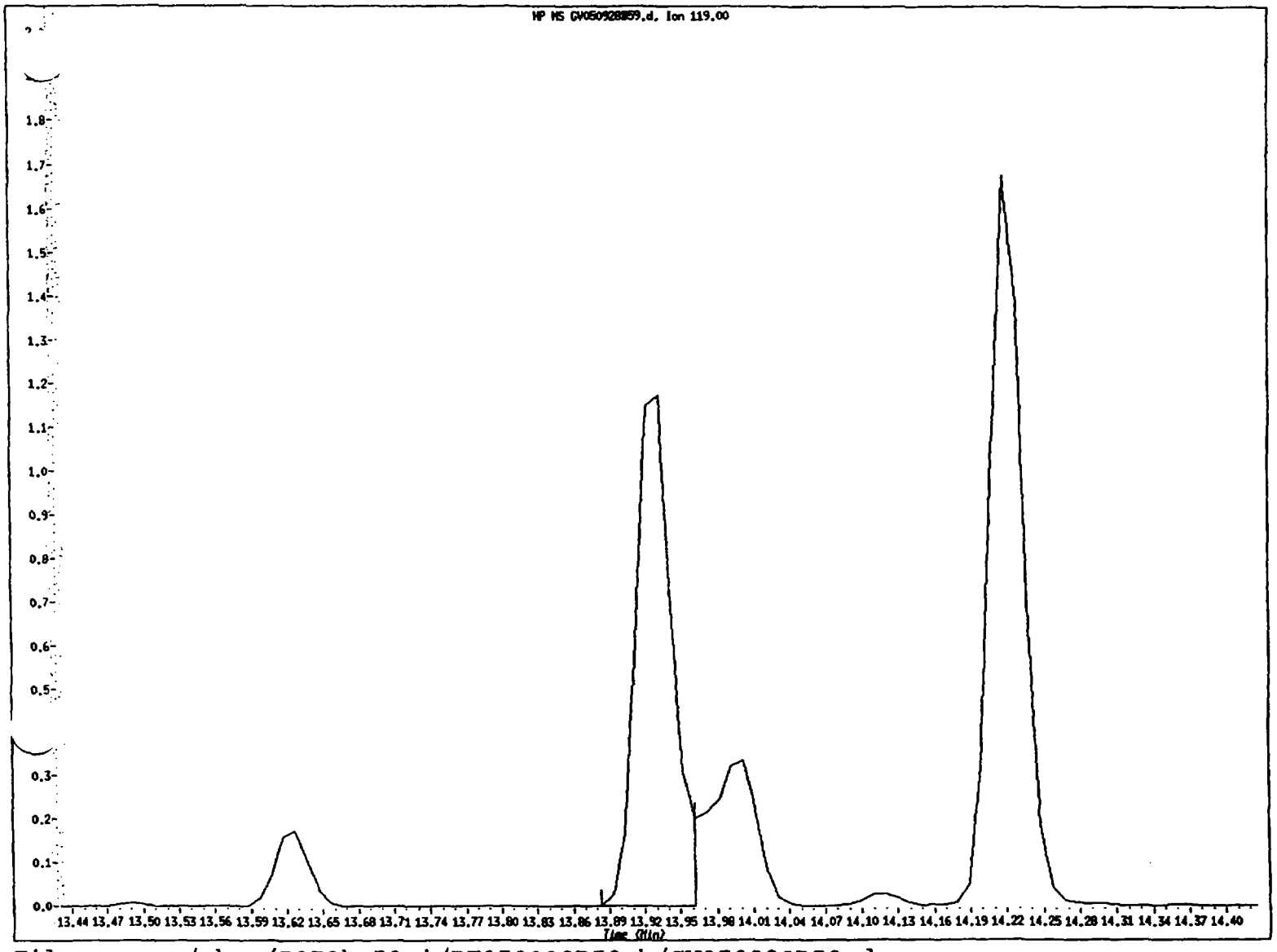
Data File: /chem/5972hp59.i/DF050928B59.b/GV050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.332	11.337	(0.927)	188377	625.000	650
65 Dibromochloromethane	129	11.628	11.632	(0.952)	99435	250.000	260
66 1,2-Dibromoethane	107	11.795	11.790	(0.965)	92352	250.000	260
67 Chlorobenzene	112	12.258	12.253	(1.003)	244772	250.000	260
69 1,1,1,2-Tetrachloroethane	131	12.298	12.302	(1.006)	86418	250.000	260
70 Ethylbenzene	106	12.307	12.302	(1.007)	125357	250.000	270
71 m,p-Xylene	106	12.406	12.410	(1.015)	309786	500.000	530
72 m,p-Xylene (part of total)	106	12.406	12.410	(1.015)	309786	500.000	530
73 o-Xylene	106	12.810	12.804	(1.048)	151571	250.000	270
74 o-Xylene (part of total)	106	12.810	12.804	(1.048)	151571	250.000	270
75 Styrene	104	12.810	12.814	(1.048)	266193	250.000	270
76 Bromoform	173	13.056	13.060	(1.069)	63710	250.000	260
78 Isopropyl Benzene	105	13.115	13.119	(1.073)	382617	250.000	270
79 1,1,2,2-Tetrachloroethane	83	13.381	13.385	(0.933)	139169	250.000	260
80 1,2,3-Trichloropropane	110	13.450	13.454	(1.101)	28005	250.000	270
81 Bromobenzene	156	13.489	13.494	(1.104)	96359	250.000	260
82 trans-1,4-dichloro-2-butene	53	13.420	13.425	(1.098)	1352442	1000.00	1000
83 n-Propyl Benzene	91	13.489	13.494	(0.941)	529246	250.000	270
84 2-Chlorotoluene	126	13.627	13.631	(0.951)	89718	250.000	270
85 4-Chlorotoluene	126	13.716	13.710	(0.957)	90424	250.000	260
86 1,3,5-Trimethyl Benzene	105	13.627	13.622	(0.951)	313674	250.000	270
87 Pentachloroethane	167	14.002	14.006	(0.977)	56932	250.000	270
88 tert-Butyl Benzene	119	13.933	13.927	(0.972)	255534	250.000	260 (M)
89 1,2,4-Trimethyl Benzene	105	13.972	13.966	(0.975)	318978	250.000	270
90 sec-Butyl Benzene	105	14.120	14.114	(0.985)	427369	250.000	270
91 1,3-Dichlorobenzene	146	14.287	14.291	(0.997)	177884	250.000	260
92 p-Isopropyl Toluene	119	14.218	14.222	(0.992)	317176	250.000	270
93 1,4-Dichlorobenzene	146	14.356	14.360	(1.001)	182666	250.000	260
94 1,2-Dichlorobenzene	146	14.721	14.715	(1.027)	165965	250.000	260
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.597	(1.018)	367645	250.000	270
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.444	(1.077)	19380	250.000	260
97 1,2,4-Trichlorobenzene	180	16.277	16.281	(1.135)	108739	250.000	260
98 Hexachlorobutadiene	225	16.395	16.389	(1.144)	54635	250.000	280
99 Naphthalene	128	16.572	16.576	(1.156)	272556	250.000	260
100 1,2,3-Trichlorobenzene	180	16.848	16.852	(1.175)	102704	250.000	260
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				230757	500.000	520
M 102 Xylene (total)	106				461357	750.000	800

QC Flag Legend

M - Compound response manually integrated.

tert-Butyl Benzene CAS Number 98-06-6 Area = 255534 Manually integrated



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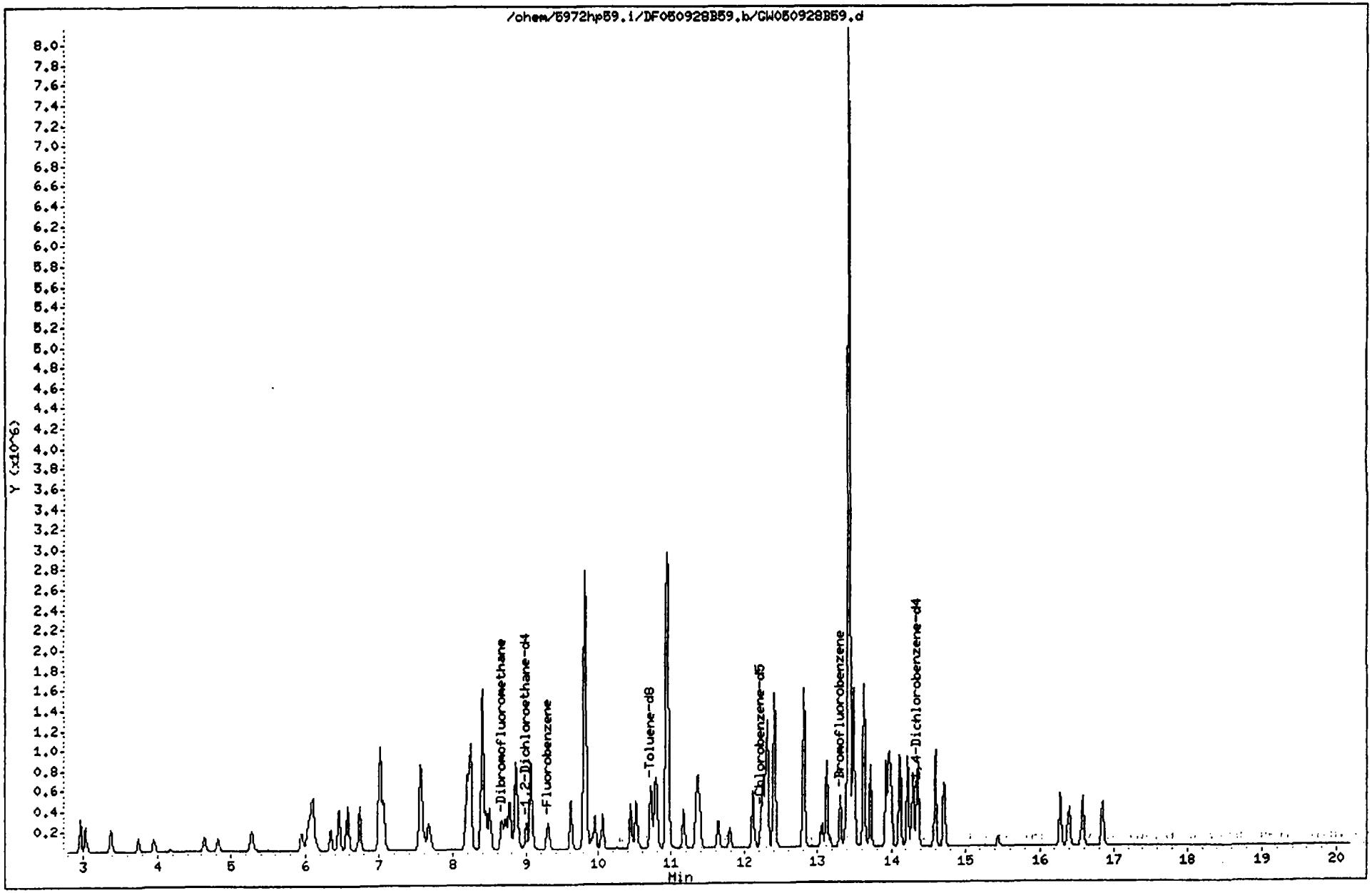
Client ID: VSTD050
Instrument ID: 5972hp59.i
Injection Date and Time: 28-SEP-2005 23:19
Retention Time: 13.93
Operator ID: 2481

Data File: /ohem/5972hp59.i/DF050928B59.b/GW050928B59.d
Date : 28-SEP-2005 23:56
Client ID: VSTD100
Sample Info: VSTD100:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928B59.b/GW050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GW050928B59.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 28-SEP-2005 23:56
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD100:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 28-SEP-2005 23:56 Cal File: GW050928B59.d
Als bottle: 11 Calibration Sample, Level: 5
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

d 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	9.293	9.288	(1.000)	345255	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.223	(1.000)	216965	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.336	14.341	(1.000)	105845	250.000	
$ 4 Dibromofluoromethane	113	8.663	8.657	(0.932)	199376	500.000	500
$ 5 1,2-Dichloroethane-d4	65	8.988	8.992	(0.967)	187294	500.000	500
$ 6 Toluene-d8	98	10.722	10.726	(0.877)	607852	500.000	500
$ 7 Bromofluorobenzene	95	13.302	13.306	(0.928)	239559	500.000	490
8 Dichlorodifluoromethane	85	3.374	3.378	(0.363)	253497	500.000	530
9 Chloromethane	50	3.738	3.742	(0.402)	182768	500.000	530
10 Vinyl Chloride	62	3.955	3.949	(0.426)	152659	500.000	540
11 Bromomethane	94	4.634	4.639	(0.499)	135490	500.000	500
12 Chloroethane	64	4.822	4.826	(0.519)	154943	500.000	490
13 Trichlorofluoromethane	101	5.285	5.279	(0.569)	276588	500.000	530
14 Acrolein	56	5.954	5.959	(0.641)	210842	5000.00	5100
15 1,1-Dichloroethene	96	6.102	6.106	(0.657)	198102	500.000	530
16 1,1,1-trichloro-2,2,2-trifluo	117	6.043	6.028	(0.650)	96224	500.000	540

Data File: /chem/5972hp59.i/DF050928B59.b/GW050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.151	6.156	(0.662)	130038	1250.00	1200
18 Iodomethane	142	6.348	6.343	(0.683)	304436	500.000	510
19 1,1,2-trichloro-1,2,2-trifluo	101	6.073	6.057	(0.653)	248885	500.000	530
20 Carbon disulfide	76	6.457	6.451	(0.695)	778106	500.000	530
21 3-Chloropropene	76	6.575	6.579	(0.707)	123306	500.000	540
22 Acetonitrile	41	6.575	6.579	(0.707)	340981	500.000	520
23 Methyl acetate	43	6.565	6.579	(0.706)	150429	500.000	470
24 Methylene Chloride	84	6.732	6.737	(0.724)	239941	500.000	520
25 Acrylonitrile	53	7.008	7.022	(0.754)	766578	5000.00	4800
26 trans-1,2-Dichloroethene	96	7.067	7.062	(0.760)	220560	500.000	530
27 trans-1,2-DCE (part of total)	96	7.067	7.062	(0.760)	220560	500.000	530
28 Methyl-tert-butyl ether	73	7.018	7.013	(0.755)	485489	500.000	500
29 1,1-Dichloroethane	63	7.560	7.564	(0.813)	401081	500.000	520
30 Chloroprene	53	7.668	7.663	(0.825)	289583	500.000	530
31 Vinyl acetate	43	7.560	7.564	(0.813)	723007	500.000	510
32 Isopropyl ether	45	7.560	7.554	(0.813)	763456	500.000	520
33 cis-1,2-Dichloroethene	96	8.200	8.194	(0.882)	233970	500.000	520
34 cis-1,2-DCE (part of total)	96	8.200	8.194	(0.882)	233970	500.000	520
35 2,2-Dichloropropane	77	8.200	8.194	(0.882)	281480	500.000	510
36 Propionitrile	54	8.239	8.244	(0.887)	1246227	25000.0	24000
37 2-butanone	43	8.161	8.165	(0.878)	232737	1250.00	1200
38 Methacrylonitrile	41	8.397	8.391	(0.904)	1038632	5000.00	4800
39 Bromochloromethane	128	8.446	8.451	(0.909)	101919	500.000	510
40 Chloroform	83	8.496	8.500	(0.914)	372233	500.000	520
41 1,1,1-Trichloroethane	97	8.702	8.707	(0.936)	285138	500.000	520
42 Cyclohexane	56	8.771	8.766	(0.944)	387335	500.000	530
43 1,1-dichloropropene	75	8.850	8.854	(0.952)	274743	500.000	520
44 Carbon Tetrachloride	117	8.870	8.864	(0.954)	229695	500.000	530
45 1,2-Dichloroethane	62	9.067	9.061	(0.976)	246160	500.000	510
46 Isobutyl alcohol	43	8.840	8.845	(0.951)	375331	25000.0	23000
47 Benzene	78	9.057	9.061	(0.975)	794874	500.000	520
48 Trichloroethene	130	9.618	9.613	(1.035)	192398	500.000	520
49 Methylcyclohexane	83	9.796	9.790	(1.054)	315530	500.000	530
50 1,2-Dichloropropane	63	9.815	9.820	(1.056)	216993	500.000	510
51 Dibromomethane	174	9.953	9.958	(1.071)	119552	500.000	510
52 1,4-dioxane	88	9.904	9.908	(1.066)	94634	25000.0	26000
53 Methylmethacrylate	69	9.815	9.820	(1.056)	1291088	5000.00	4900
54 Bromodichloromethane	83	10.052	10.056	(1.082)	264692	500.000	520
56 cis-1,3-Dichloropropene	75	10.446	10.450	(1.124)	343465	500.000	520
57 4-Methyl-2-pentanone	43	10.515	10.519	(0.861)	484214	1250.00	1200
58 Toluene	92	10.790	10.795	(0.883)	476235	500.000	510
59 trans-1,3-Dichloropropene	75	10.958	10.952	(0.897)	277839	500.000	500
60 1,1,2-Trichloroethane	97	11.165	11.169	(0.914)	166678	500.000	500
61 Ethylmethacrylate	69	10.938	10.943	(0.895)	2316017	5000.00	4900
62 1,3-Dichloropropane	76	11.352	11.356	(0.929)	293623	500.000	500
63 Tetrachloroethene	164	11.372	11.366	(0.931)	135789	500.000	510
64 2-hexanone	43	11.332	11.337	(0.927)	342206	1250.00	1200

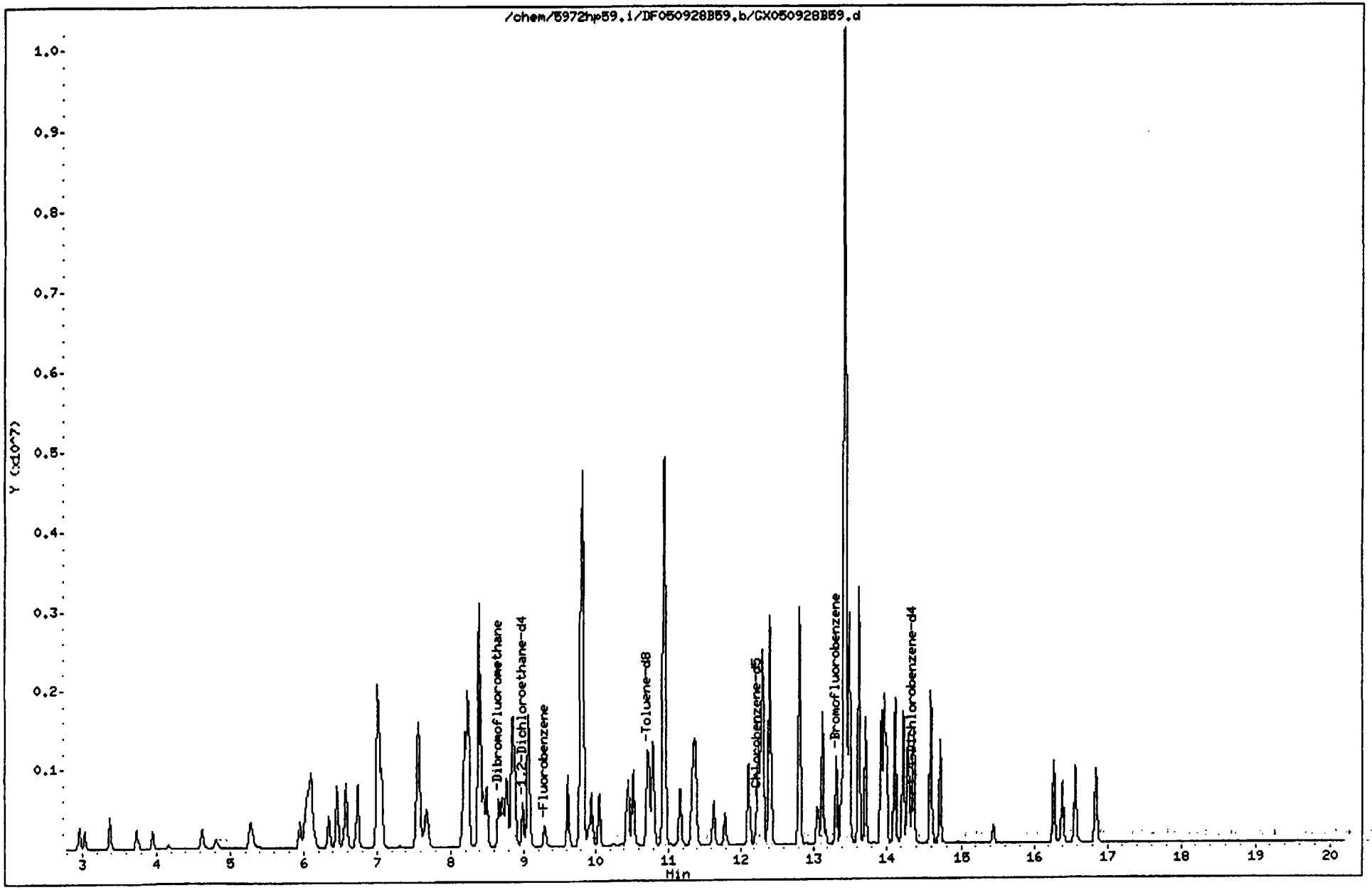
Data File: /chem/5972hp59.i/DF050928B59.b/GW050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65 Dibromochloromethane	129	11.628	11.632	(0.952)	195138	500.000	510
66 1,2-Dibromoethane	107	11.795	11.790	(0.965)	179104	500.000	510
67 Chlorobenzene	112	12.258	12.253	(1.003)	475520	500.000	510
69 1,1,1,2-Tetrachloroethane	131	12.297	12.302	(1.006)	169070	500.000	520
70 Ethylbenzene	106	12.307	12.302	(1.007)	241942	500.000	520
71 m,p-Xylene	106	12.406	12.410	(1.015)	599530	1000.00	1000
72 m,p-Xylene (part of total)	106	12.406	12.410	(1.015)	599530	1000.00	1000
73 o-Xylene	106	12.800	12.804	(1.048)	292285	500.000	520
74 o-Xylene (part of total)	106	12.800	12.804	(1.048)	292285	500.000	520
75 Styrene	104	12.810	12.814	(1.048)	521189	500.000	520
76 Bromoform	173	13.056	13.060	(1.069)	125026	500.000	520
78 Isopropyl Benzene	105	13.115	13.119	(1.073)	741819	500.000	520
79 1,1,2,2-Tetrachloroethane	83	13.381	13.385	(0.933)	257857	500.000	490
80 1,2,3-Trichloropropane	110	13.450	13.454	(1.101)	50664	500.000	480
81 Bromobenzene	156	13.489	13.494	(1.104)	186026	500.000	510
82 trans-1,4-dichloro-2-butene	53	13.420	13.425	(1.098)	2088854	2000.00	2000
83 n-Propyl Benzene	91	13.489	13.494	(0.941)	1009894	500.000	510
84 2-Chlorotoluene	126	13.627	13.631	(0.951)	170767	500.000	520
85 4-Chlorotoluene	126	13.716	13.710	(0.957)	177437	500.000	520
86 1,3,5-Trimethyl Benzene	105	13.617	13.622	(0.950)	604374	500.000	520
87 Pentachloroethane	167	14.001	14.006	(0.977)	109550	500.000	530
88 tert-Butyl Benzene	119	13.923	13.927	(0.971)	519299	500.000	530
89 1,2,4-Trimethyl Benzene	105	13.972	13.966	(0.975)	623257	500.000	530
90 sec-Butyl Benzene	105	14.110	14.114	(0.984)	831040	500.000	530
1,3-Dichlorobenzene	146	14.287	14.291	(0.997)	346005	500.000	510
92 p-Isopropyl Toluene	119	14.218	14.222	(0.992)	604954	500.000	530
93 1,4-Dichlorobenzene	146	14.356	14.360	(1.001)	358659	500.000	510
94 1,2-Dichlorobenzene	146	14.720	14.715	(1.027)	324638	500.000	520
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.592	14.597	(1.018)	709269	500.000	530
96 1,2-Dibromo-3-Chloropropane	157	15.439	15.444	(1.077)	37679	500.000	520
97 1,2,4-Trichlorobenzene	180	16.267	16.281	(1.135)	217983	500.000	530
98 Hexachlorobutadiene	225	16.395	16.389	(1.144)	104658	500.000	540
99 Naphthalene	128	16.572	16.576	(1.156)	526852	500.000	500
100 1,2,3-Trichlorobenzene	180	16.848	16.852	(1.175)	203979	500.000	520
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				454530	1000.00	1000
M 102 Xylene (total)	106				891815	1500.00	1600

Data File: /chem/5972hp59.i/DF050928B59.b/GX050928B59.d
Date : 29-SEP-2005 00:24
Client ID: VSTD200
Sample Info: VSTD200:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928B59.b/GX050928B59.d
Report Date: 30-Sep-2005 01:11

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928B59.b/GX050928B59.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 29-SEP-2005 00:24
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD200:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:11 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 12 Calibration Sample, Level: 6
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	9.289	9.288	(1.000)	339721	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.223	(1.000)	214254	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.341	(1.000)	105465	250.000	
$ 4 Dibromofluoromethane	113	8.659	8.657	(0.932)	407966	1000.00	1000(A)
$ 5 1,2-Dichloroethane-d4	65	8.994	8.992	(0.968)	388011	1000.00	1000(A)
$ 6 Toluene-d8	98	10.717	10.726	(0.877)	1230802	1000.00	1000(A)
$ 7 Bromofluorobenzene	95	13.308	13.306	(0.929)	492417	1000.00	1000(A)
8 Dichlorodifluoromethane	85	3.379	3.378	(0.364)	484536	1000.00	1000(A)
9 Chloromethane	50	3.744	3.742	(0.403)	347919	1000.00	1000(A)
10 Vinyl Chloride	62	3.951	3.949	(0.425)	280512	1000.00	1000(A)
11 Bromomethane	94	4.630	4.639	(0.498)	250959	1000.00	930
12 Chloroethane	64	4.817	4.826	(0.519)	151520	1000.00	490
13 Trichlorofluoromethane	101	5.280	5.279	(0.568)	521768	1000.00	1000(A)
14 Acrolein	56	5.950	5.959	(0.641)	410117	10000.0	10000(A)
15 1,1-Dichloroethene	96	6.098	6.106	(0.656)	373642	1000.00	1000(A)
16 1,1,1-trichloro-2,2,2-trifluo	117	6.039	6.028	(0.650)	181937	1000.00	1000(A)

Data File: /chem/5972hp59.i/DF050928B59.b/GX050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.147	6.156	(0.662)	249838	2500.00	2300
18 Iodomethane	142	6.344	6.343	(0.683)	594905	1000.00	990
19 1,1,2-trichloro-1,2,2-trifluo	101	6.068	6.057	(0.653)	469431	1000.00	1000(A)
20 Carbon disulfide	76	6.452	6.451	(0.695)	1463004	1000.00	1000(A)
21 3-Chloropropene	76	6.571	6.579	(0.707)	228196	1000.00	1000(A)
22 Acetonitrile	41	6.571	6.579	(0.707)	628623	1000.00	980
23 Methyl acetate	43	6.561	6.579	(0.706)	288180	1000.00	920
24 Methylene Chloride	84	6.738	6.737	(0.725)	455471	1000.00	1000
25 Acrylonitrile	53	7.014	7.022	(0.755)	1485326	10000.0	9500
26 trans-1,2-Dichloroethene	96	7.063	7.062	(0.760)	415881	1000.00	1000(A)
27 trans-1,2-DCE (part of total)	96	7.063	7.062	(0.760)	415881	1000.00	1000(A)
28 Methyl-tert-butyl ether	73	7.014	7.013	(0.755)	962004	1000.00	1000(A)
29 1,1-Dichloroethane	63	7.565	7.564	(0.814)	750573	1000.00	1000
30 Chloroprene	53	7.674	7.663	(0.826)	547529	1000.00	1000(A)
31 Vinyl acetate	43	7.556	7.564	(0.813)	1355492	1000.00	960
32 Isopropyl ether	45	7.556	7.554	(0.813)	1431690	1000.00	990
33 cis-1,2-Dichloroethene	96	8.196	8.194	(0.882)	444055	1000.00	1000(A)
34 cis-1,2-DCE (part of total)	96	8.196	8.194	(0.882)	444055	1000.00	1000(A)
35 2,2-Dichloropropane	77	8.196	8.194	(0.882)	535375	1000.00	990
36 Propionitrile	54	8.235	8.244	(0.887)	2367230	50000.0	46000
37 2-butanone	43	8.156	8.165	(0.878)	448389	2500.00	2300
38 Methacrylonitrile	41	8.393	8.391	(0.904)	1937269	10000.0	9100
39 Bromochloromethane	128	8.452	8.451	(0.910)	193491	1000.00	990
40 Chloroform	83	8.501	8.500	(0.915)	706599	1000.00	1000(A)
41 1,1,1-Trichloroethane	97	8.708	8.707	(0.937)	549498	1000.00	1000(A)
42 Cyclohexane	56	8.767	8.766	(0.944)	726595	1000.00	1000(A)
43 1,1-dichloropropene	75	8.856	8.854	(0.953)	514106	1000.00	990
44 Carbon Tetrachloride	117	8.875	8.864	(0.955)	440105	1000.00	1000(A)
45 1,2-Dichloroethane	62	9.063	9.061	(0.976)	483000	1000.00	1000(A)
46 Isobutyl alcohol	43	8.846	8.845	(0.952)	760445	50000.0	47000
47 Benzene	78	9.063	9.061	(0.976)	1508877	1000.00	990
48 Trichloroethene	130	9.614	9.613	(1.035)	372538	1000.00	1000(A)
49 Methylcyclohexane	83	9.791	9.790	(1.054)	572823	1000.00	970
50 1,2-Dichloropropane	63	9.821	9.820	(1.057)	378057	1000.00	900
51 Dibromomethane	174	9.949	9.958	(1.071)	237103	1000.00	1000(A)
52 1,4-dioxane	88	9.910	9.908	(1.067)	193904	50000.0	53000(A)
53 Methylmethacrylate	69	9.811	9.820	(1.056)	2344618	10000.0	9100
54 Bromodichloromethane	83	10.057	10.056	(1.083)	511395	1000.00	1000(A)
56 cis-1,3-Dichloropropene	75	10.441	10.450	(1.124)	665107	1000.00	1000(A)
57 4-Methyl-2-pentanone	43	10.520	10.519	(0.861)	957817	2500.00	2400
58 Toluene	92	10.786	10.795	(0.882)	919399	1000.00	1000(A)
59 trans-1,3-Dichloropropene	75	10.954	10.952	(0.896)	513107	1000.00	940
60 1,1,2-Trichloroethane	97	11.170	11.169	(0.914)	326794	1000.00	990
61 Ethylmethacrylate	69	10.934	10.943	(0.894)	4110167	10000.0	8700
62 1,3-Dichloropropane	76	11.357	11.356	(0.929)	569098	1000.00	980
63 Tetrachloroethene	164	11.367	11.366	(0.930)	259399	1000.00	990
64 2-hexanone	43	11.328	11.337	(0.927)	669439	2500.00	2300

Data File: /chem/5972hp59.i/DF050928B59.b/GX050928B59.d
Report Date: 30-Sep-2005 01:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65 Dibromochloromethane	129	11.633	11.632	(0.952)	388905	1000.00	1000(A)
66 1,2-Dibromoethane	107	11.791	11.790	(0.965)	356751	1000.00	1000(A)
67 Chlorobenzene	112	12.254	12.253	(1.002)	918467	1000.00	1000(A)
69 1,1,1,2-Tetrachloroethane	131	12.303	12.302	(1.006)	331029	1000.00	1000(A)
70 Ethylbenzene	106	12.303	12.302	(1.006)	465664	1000.00	1000(A)
71 m,p-Xylene	106	12.402	12.410	(1.014)	1142452	2000.00	2000
72 m,p-Xylene (part of total)	106	12.402	12.410	(1.014)	1142452	2000.00	2000
73 o-Xylene	106	12.805	12.804	(1.048)	559857	1000.00	1000(A)
74 o-Xylene (part of total)	106	12.805	12.804	(1.048)	559857	1000.00	1000(A)
75 Styrene	104	12.815	12.814	(1.048)	1009996	1000.00	1000(A)
76 Bromoform	173	13.052	13.060	(1.068)	254781	1000.00	1100(A)
78 Isopropyl Benzene	105	13.121	13.119	(1.073)	1434199	1000.00	1000(A)
79 1,1,2,2-Tetrachloroethane	83	13.387	13.385	(0.934)	493675	1000.00	940
80 1,2,3-Trichloropropane	110	13.455	13.454	(1.101)	98566	1000.00	950
81 Bromobenzene	156	13.485	13.494	(1.103)	358271	1000.00	1000(A)
82 trans-1,4-dichloro-2-butene	53	13.426	13.425	(1.098)	3123952	4000.00	4000
83 n-Propyl Benzene	91	13.485	13.494	(0.941)	1881207	1000.00	960
84 2-Chlorotoluene	126	13.623	13.631	(0.951)	324752	1000.00	990
85 4-Chlorotoluene	126	13.712	13.710	(0.957)	343073	1000.00	1000(A)
86 1,3,5-Trimethyl Benzene	105	13.623	13.622	(0.951)	1161104	1000.00	1000(A)
87 Pentachloroethane	167	13.997	14.006	(0.977)	217629	1000.00	1000(A)
88 tert-Butyl Benzene	119	13.928	13.927	(0.972)	1041048	1000.00	1100(A)
89 1,2,4-Trimethyl Benzene	105	13.968	13.966	(0.975)	1208324	1000.00	1000(A)
[illegible] sec-Butyl Benzene	105	14.115	14.114	(0.985)	1593203	1000.00	1000(A)
[illegible] 1,3-Dichlorobenzene	146	14.283	14.291	(0.997)	673532	1000.00	1000(A)
92 p-Isopropyl Toluene	119	14.214	14.222	(0.992)	1170270	1000.00	1000(A)
93 1,4-Dichlorobenzene	146	14.362	14.360	(1.002)	703625	1000.00	1000(A)
94 1,2-Dichlorobenzene	146	14.716	14.715	(1.027)	638203	1000.00	1000(A)
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.588	14.597	(1.018)	1374118	1000.00	1000(A)
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.444	(1.077)	78647	1000.00	1100(A)
97 1,2,4-Trichlorobenzene	180	16.272	16.281	(1.135)	439833	1000.00	1100(A)
98 Hexachlorobutadiene	225	16.391	16.389	(1.144)	209580	1000.00	1100(A)
99 Naphthalene	128	16.568	16.576	(1.156)	1077624	1000.00	1000(A)
100 1,2,3-Trichlorobenzene	180	16.844	16.852	(1.175)	412635	1000.00	1100(A)
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				859936	2000.00	2000(A)
M 102 Xylene (total)	106				1702309	3000.00	3000

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

COMPUCHEM a division of Liberty Analytical Corp DATE 9/28/05 INITIAL TIME OF TUNE 2125 SHIFT/S(A)____(B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 9:25 LINKER /METHOD CW 8260B

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59)

PREVENTIVE MAINTENANCE Retune

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050928B59		—	—	9/28/05	2125	BFB	—	2mL	T	2481	LCM 1.300
2		GS050928B59				/ /	2139	VSTD005		10ml			ICAL Passes
3		GT050928B59				/ /	2207	VSTD010					no CEVE
4		GU050928B59	US			/ /	2235	VSTD020					
5		GV050928B59				/ /	2319	VSTD050					
6		GW050928B59				/ /	2356	VSTD100					
7		GX050928B59				9/29/05	024	VSTD200					
8		GY050928B59		T	T	/ /	0104	VSTD020	—	10ml	—	2481	
9		81240B59	CS			/ /	0132	VBLKES	Varies	5ml			
10		81240RB59				/ /	0201	VBLKES					
11		81243B59				/ /	0229	VESLLS					
12		785701B59	DW			/ /	0257	ACSGW, HW5701	7857	100mL	50		Screens
13		785702B59	DW			/ /	0325	LA1101					
14		785703B59	DW			/ /	0353	LA1201					
15		785704B59	DW			/ /	0421	LA1501					
16		785705B59	DW			/ /	0450	LA1401					
17		785706B59	DW			/ /	0518	LA2DUP01					
18		785707B59	DW			/ /	0546	LA1301					
19		785708B59	DW			/ /	0614	OW101					
20		785709B59	DW			/ /	0642	LA2EB01					
21		785710B59	DW			/ /	0710	LA22TB01					
22						/ /		9-29-05					
23						/ /							
24						/ /							

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature] Date 9-29-05

Tune (ID #7008) Lot No. 63750

Calibration Group Code / Lot No. DC769

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

LAB FILE ID: RF5: CU050912A62 RF10: CV050912A62 RF20: CW050912A62
RF50: CY050912A62 RF100: CA050912A62RF200: CB050912A62

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Dichlorodifluoromethane	11065	20443	35450	64509	145664	232824
Chloromethane	21543	36598	66988	122929	288744	522571
Vinyl Chloride	0.31935	0.31888	0.28732	0.21453	0.24655	0.20998
Bromomethane	8710	15179	27493	54786	133308	242015
Chloroethane	0.14617	0.14020	0.13063	0.09917	0.11983	
Trichlorofluoromethane	17359	36350	65386	120649	271712	449515
1,1-Dichloroethene	0.25441	0.26463	0.22936	0.17860	0.19413	0.17902
Carbon disulfide	0.63270	0.64685	0.58811	0.48284	0.52393	0.48379
1,1,2-trichloro-1,2,2-triflu	12014	23300	41152	83171	172194	297897
Acetone	0.13523	0.11618	0.10911	0.10684	0.12023	0.12840
Methylene Chloride	0.38796	0.39439	0.37258	0.33257	0.36592	0.34413
trans-1,2-Dichloroethene	0.34228	0.34362	0.32561	0.27488	0.30190	0.27676
Methyl-tert-butyl ether	0.62997	0.70363	0.78742	0.74963	0.85322	0.81199
1-Dichloroethane	0.61054	0.65304	0.61675	0.52197	0.56976	0.54310
is-1,2-Dichloroethene	0.37925	0.42062	0.37940	0.35138	0.38772	0.36502
2-butanone	0.15732	0.15647	0.16124	0.15400	0.16784	0.17602
Chloroform	0.70241	0.73662	0.68058	0.61249	0.67352	0.63534
1,1,1-Trichloroethane	0.53162	0.57729	0.53430	0.44501	0.47646	0.44520
Carbon Tetrachloride	0.38346	0.42133	0.39437	0.34100	0.35839	0.32057
Benzene	1.40432	1.44769	1.31450	1.17317	1.28928	1.22416
1,2-Dichloroethane	0.51594	0.53364	0.49851	0.46846	0.51703	0.49913
Trichloroethene	0.45667	0.47142	0.41592	0.35801	0.37709	0.35440
1,2-Dichloropropane	0.37978	0.39682	0.38465	0.34386	0.38345	0.36137
Bromodichloromethane	0.48481	0.53486	0.49764	0.46316	0.51483	0.49715
cis-1,3-Dichloropropene	0.41333	0.52568	0.54044	0.52603	0.59749	0.57810
4-Methyl-2-pentanone	0.40486	0.40924	0.41448	0.39573	0.43414	0.44819
Toluene	1.02220	1.02852	0.98519	0.86072	0.93745	0.91423
trans-1,3-Dichloropropene	13267	31053	74394	191771	432200	844491
1,1,2-Trichloroethane	0.43661	0.44594	0.43980	0.39920	0.45243	0.44121
Tetrachloroethene	17045	30295	53397	116753	231433	432935
2-hexanone	0.27457	0.27334	0.27362	0.26146	0.29657	0.31422
Dibromochloromethane	0.48394	0.52137	0.51848	0.49591	0.58409	0.58206
1,2-Dibromoethane	0.49147	0.49664	0.50418	0.44368	0.52167	0.51100
Chlorobenzene	1.26254	1.28519	1.19371	1.07042	1.16741	1.12203
Ethylbenzene	0.61376	0.63083	0.58207	0.50777	0.54501	0.53021
Styrene	1.12633	1.21651	1.19996	1.09659	1.21088	1.16965
Bromoform	0.35827	0.37823	0.39905	0.38175	0.44392	0.43809
Isopropyl Benzene	1.42508	1.47030	1.35662	1.18636	1.29945	1.22601
1,1,2,2-Tetrachloroethane	1.06260	1.03216	1.03794	0.94046	1.07721	1.06332
1,3-Dichlorobenzene	1.86457	1.92564	1.73834	1.57309	1.71002	1.64668
1,4-Dichlorobenzene	1.97280	1.92650	1.81492	1.63211	1.77931	1.68904
1,2-Dichlorobenzene	1.94250	1.88002	1.76293	1.60267	1.75377	1.69486
,2-Dibromo-3-Chloropropane	0.18754	0.19567	0.22280	0.20803	0.23821	0.23142
1,2,4-Trichlorobenzene	0.87889	0.88426	0.75964	0.72582	0.80212	0.79375

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

LAB FILE ID: RF5: CU050912A62 RF10: CV050912A62 RF20: CW050912A62
RF50: CY050912A62 RF100: CA050912A62RF200: CB050912A62

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200
Xylene (total)	0.76183	0.78399	0.73987	0.63867	0.69173	0.66516
Methyl acetate	24658	35721	59093	112643	235750	442833
Cyclohexane	18416	37317	66495	135101	280301	483469
Methylcyclohexane	18011	36936	66538	136542	286635	495536
Dibromofluoromethane	0.34876	0.33968	0.31264	0.30357	0.30986	0.32233
1,2-Dichloroethane-d4	0.32931	0.33873	0.31128	0.30191	0.30252	0.32670
Toluene-d8	1.14001	1.08815	1.03234	0.97062	0.98063	1.04033
Bromofluorobenzene	0.95092	0.87444	0.79318	0.75719	0.76481	0.82189

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	2ORDR	0.00442494	4.49217371	3.78260861	0.9950505	0.9900000
Chloromethane	LINR	-0.0598059	3.03975875		0.9966279	0.9900000
Vinyl Chloride	AVRG		0.26610201		18.612	30.000
Bromomethane	LINR	-0.0219223	6.49775959		0.9963366	0.9900000
Chloroethane	AVRG		0.12719958		14.605	15.000
Trichlorofluoromethane	LINR	-0.1240308	3.51292811		0.9920081	0.9900000
1,1-Dichloroethene	AVRG		0.21669033		17.585	30.000
Carbon disulfide	AVRG		0.55970382		13.051	15.000
1,1,2-trichloro-1,2,2-triflu	LINR	-0.1216419	5.35167148		0.9964322	0.9900000
Acetone	AVRG		0.11933340		9.227	15.000
Methylene Chloride	AVRG		0.36625774		6.606	15.000
trans-1,2-Dichloroethene	AVRG		0.31084152		9.984	15.000
Methyl-tert-butyl ether	AVRG		0.75597523		10.622	15.000
1,1-Dichloroethane	AVRG		0.58586145		8.448	15.000
cis-1,2-Dichloroethene	AVRG		0.38056614		6.165	15.000
2-butanone	AVRG		0.16214888		5.144	15.000
Chloroform	AVRG		0.67349461		6.656	30.000
1,1,1-Trichloroethane	AVRG		0.50164674		10.815	15.000
Carbon Tetrachloride	AVRG		0.36985372		9.992	15.000
Benzene	AVRG		1.30885261		7.968	15.000
1,2-Dichloroethane	AVRG		0.50545273		4.419	15.000
Trichloroethene	AVRG		0.40558484		12.449	15.000
1,2-Dichloropropane	AVRG		0.37498858		5.086	30.000
Bromodichloromethane	AVRG		0.49874235		4.934	15.000
cis-1,3-Dichloropropene	AVRG		0.53017972		12.114	15.000
4-Methyl-2-pentanone	AVRG		0.41777260		4.702	15.000
Toluene	AVRG		0.95805124		6.866	30.000
trans-1,3-Dichloropropene	LINR	0.08781069	1.62115778		0.9989554	0.9900000
1,1,2-Trichloroethane	AVRG		0.43586783		4.310	15.000
Tetrachloroethene	LINR	-0.0476611	3.25953907		0.9997324	0.9900000
2-hexanone	AVRG		0.28229595		6.855	15.000
Dibromochloromethane	AVRG		0.53097616		8.043	15.000
1,2-Dibromoethane	AVRG		0.49477322		5.498	15.000
Chlorobenzene	AVRG		1.18355138		6.918	15.000
Ethylbenzene	AVRG		0.56827607		8.557	30.000
Styrene	AVRG		1.16998682		4.192	15.000
Bromoform	AVRG		0.39988599		8.611	15.000
Isopropyl Benzene	AVRG		1.32730460		8.374	15.000
1,1,2,2-Tetrachloroethane	AVRG		1.03561634		4.789	15.000
1,3-Dichlorobenzene	AVRG		1.74305779		7.585	15.000
1,4-Dichlorobenzene	AVRG		1.80244612		7.317	15.000
1,2-Dichlorobenzene	AVRG		1.77279171		6.944	15.000
1,2-Dibromo-3-Chloropropane	AVRG		0.21394580		9.438	15.000
1,2,4-Trichlorobenzene	AVRG		0.80741562		7.866	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date(s): 09/12/05 09/12/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1409 1728

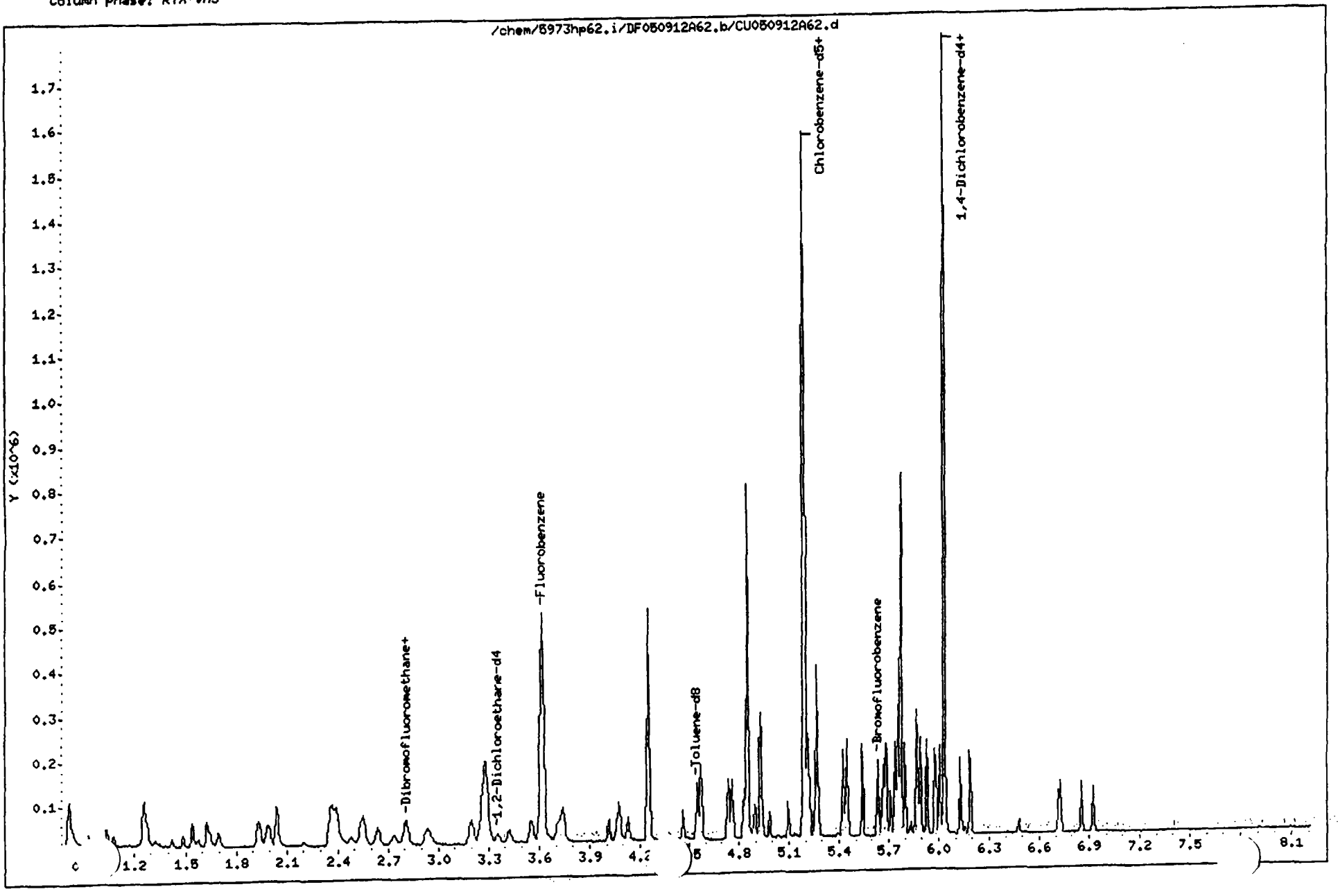
COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Xylene (total)	AVRG		0.71354212		8.029	15.000
Methyl acetate	LINR	-0.1076438	3.66309069		0.9989578	0.9900000
Cyclohexane	LINR	-0.1173506	3.29028635		0.9961344	0.9900000
Methylcyclohexane	LINR	-0.1050924	3.20137998		0.9961712	0.9900000
Dibromofluoromethane	AVRG		0.32280856		5.541	15.000
1,2-Dichloroethane-d4	AVRG		0.31840879		4.816	15.000
Toluene-d8	AVRG		1.04201154		6.174	15.000
Bromofluorobenzene	AVRG		0.82706995		8.970	15.000

FORM VI VOA

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Date : 12-SEP-2005 14:09
Client ID: VSTD005
Sample Info: VSTD005:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 12-SEP-2005 14:09
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD005:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 14:09 Cal File: CU050912A62.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	3.621	3.621	(1.000)	417875	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	385375	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	208273	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	14574	25.0000	27
$ 5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	13761	25.0000	26
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	43933	25.0000	27
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	19805	25.0000	29
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	11065	25.0000	32
9 Chloromethane	50	0.779	0.779	(0.215)	21543	25.0000	24
10 Vinyl Chloride	62	0.806	0.806	(0.223)	13345	25.0000	30(M) 2
11 Bromomethane	94	0.937	0.937	(0.259)	8710	25.0000	28(M) 2
12 Chloroethane	64	0.986	0.986	(0.272)	6108	25.0000	29(M) 2
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	17359	25.0000	5.5
14 Acrolein	56	1.421	1.421	(0.393)	9899	250.000	260
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	10631	25.0000	29

9-12

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

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	1.258	1.258	(0.347)	5699	25.0000	7.4
17 Acetone	43	1.579	1.579	(0.436)	14127	62.5000	71
18 Iodomethane	142	1.323	1.323	(0.366)	9295	25.0000	30
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	12014	25.0000	8.1
20 Carbon disulfide	76	1.269	1.269	(0.350)	26439	25.0000	28 (M)
21 3-Chloropropene	76	1.487	1.487	(0.411)	4250	25.0000	30
22 Acetonitrile	41	1.841	1.841	(0.508)	3060	25.0000	30
23 Methyl acetate	43	1.645	1.645	(0.454)	24658	25.0000	27
24 Methylene Chloride	84	1.541	1.541	(0.426)	16212	25.0000	26
25 Acrylonitrile	53	2.047	2.047	(0.565)	55603	250.000	250
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	14303	25.0000	28
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	14303	25.0000	28
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	26325	25.0000	21
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	25513	25.0000	26
30 Chloroprene	53	1.988	1.988	(0.549)	14433	25.0000	27
31 Vinyl acetate	43	2.205	2.205	(0.609)	13064	25.0000	32
32 Isopropyl ether	45	1.933	1.933	(0.534)	51891	25.0000	26
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	15848	25.0000	25
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	15848	25.0000	25
35 2,2-Dichloropropane	77	2.488	2.488	(0.687)	9303	25.0000	21
36 Propionitrile	54	3.261	3.261	(0.901)	97520	1250.00	1200
37 2-butanone	43	2.962	2.962	(0.818)	16435	62.5000	61
9 Methacrylonitrile	41	3.283	3.283	(0.907)	95791	250.000	250
Bromochloromethane	128	2.554	2.554	(0.705)	9387	25.0000	26
40 Chloroform	83	2.641	2.641	(0.729)	29352	25.0000	26
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	22215	25.0000	26
42 Cyclohexane	56	2.537	2.537	(0.701)	18416	25.0000	6.9
43 1,1-dichloropropene	75	2.929	2.929	(0.809)	18527	25.0000	28
44 Carbon Tetrachloride	117	2.733	2.733	(0.755)	16024	25.0000	26
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	21560	25.0000	26
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	28154	1250.00	1200
47 Benzene	78	3.196	3.196	(0.883)	58683	25.0000	27
48 Trichloroethene	130	3.740	3.740	(1.033)	19083	25.0000	28
49 Methylcyclohexane	83	3.724	3.724	(1.029)	18011	25.0000	8.2
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	15870	25.0000	25
51 Dibromomethane	174	4.018	4.018	(1.110)	13876	25.0000	26
52 1,4-dioxane	88	4.252	4.252	(1.174)	9331	1250.00	1300
53 Methylmethacrylate	69	4.252	4.252	(1.174)	102217	250.000	250
54 Bromodichloromethane	83	4.132	4.132	(1.141)	20259	25.0000	24
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	17272	25.0000	19
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	39006	62.5000	61
58 Toluene	92	4.573	4.573	(0.881)	39393	25.0000	27
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	13267	25.0000	36
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	16826	25.0000	25
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	190211	250.000	250

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	27139	25.0000	26
63 Tetrachloroethene	164	4.737	4.737	(0.913)	17045	25.0000	24
64 2-hexanone	43	5.096	5.096	(0.982)	26453	62.5000	61
65 Dibromochloromethane	129	4.894	4.894	(0.943)	18650	25.0000	23
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	18940	25.0000	25
67 Chlorobenzene	112	5.194	5.194	(1.001)	48655	25.0000	27
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	15963	25.0000	23
70 Ethylbenzene	106	5.210	5.210	(1.004)	23653	25.0000	27
71 m,p-Xylene	106	5.270	5.270	(1.016)	59731	50.0000	55
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	59731	50.0000	55
73 o-Xylene	106	5.422	5.422	(1.045)	28346	25.0000	26
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	28346	25.0000	26
75 Styrene	104	5.444	5.444	(1.049)	43406	25.0000	24
76 Bromoform	173	5.450	5.450	(1.050)	13807	25.0000	22
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	54919	25.0000	27
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	22131	25.0000	26
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	6198	25.0000	25
81 Bromobenzene	156	5.673	5.673	(1.093)	23676	25.0000	26
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	67693	100.000	76(a)
83 n-Propyl Benzene	91	5.689	5.689	(0.943)	79237	25.0000	28
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	19152	25.0000	26
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	19647	25.0000	26
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	54919	25.0000	27
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	57555	25.0000	26
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	56125	25.0000	27
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	68514	25.0000	28
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	38834	25.0000	27
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	54227	25.0000	27
93 1,4-Dichlorobenzene	146	6.038	6.038	(1.001)	41088	25.0000	27
94 1,2-Dichlorobenzene	146	6.190	6.190	(1.026)	40457	25.0000	27
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	45755	25.0000	28
96 1,2-Dibromo-3-Chloropropane	157	6.478	6.478	(1.074)	3906	25.0000	22
97 1,2,4-Trichlorobenzene	180	6.729	6.729	(1.115)	18305	25.0000	27
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	8754	25.0000	16
99 Naphthalene	128	6.854	6.854	(1.136)	43580	25.0000	27
100 1,2,3-Trichlorobenzene	180	6.925	6.925	(1.148)	17133	25.0000	29
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				30151	50.0000	52
M 102 Xylene (total)	106				88077	75.0000	80

QC Flag Legend

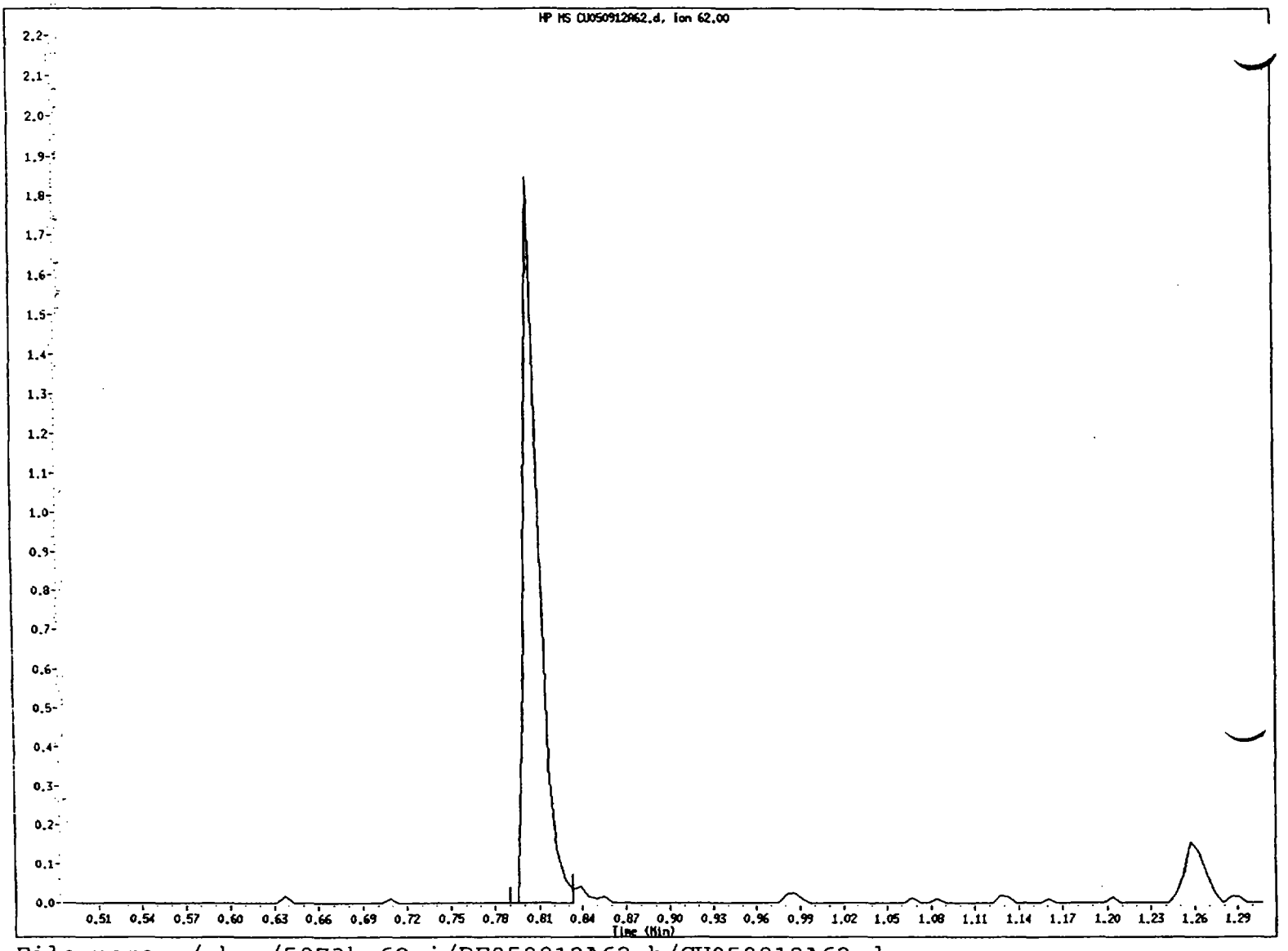
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Report Date: 13-Sep-2005 00:13

Qualag Legend

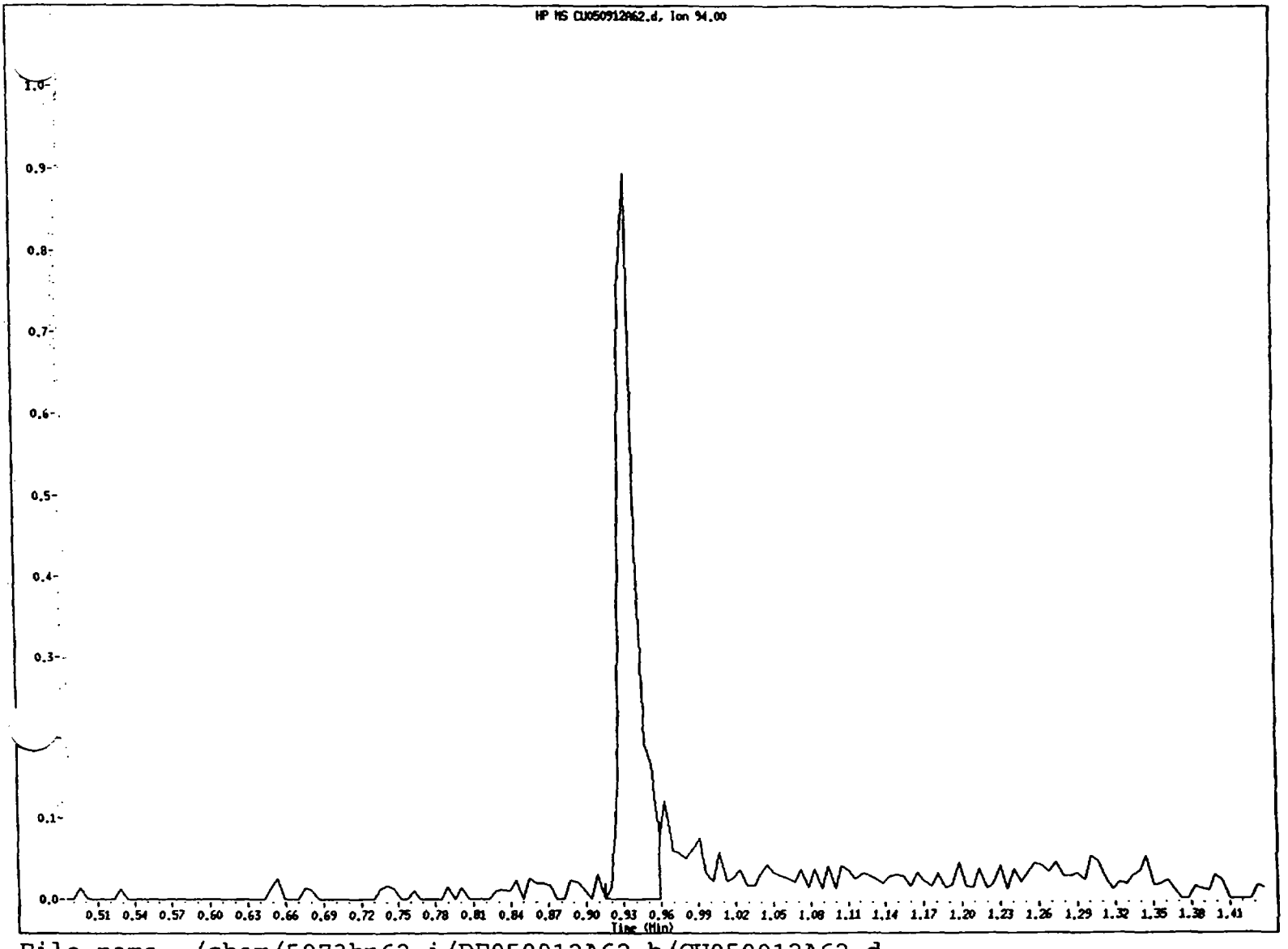
M - Compound response manually integrated.

Vinyl Chloride CAS Number 75-01-4 Area = 13345 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CU050912A62.d
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.81
Operator ID: 2323

Bromomethane CAS Number 74-83-9 Area = 8710 Manually integrated



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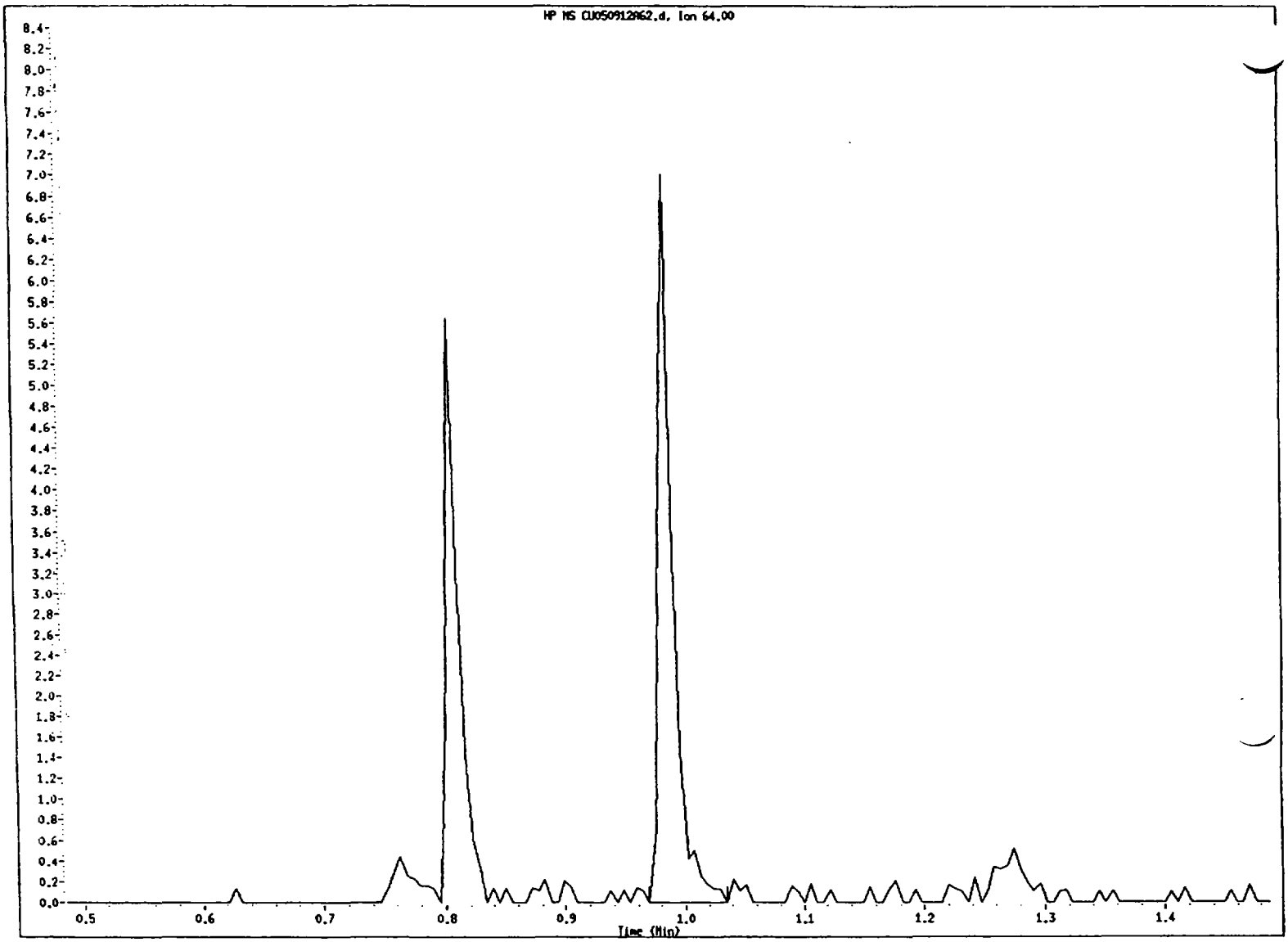
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 6108 Manually integrated



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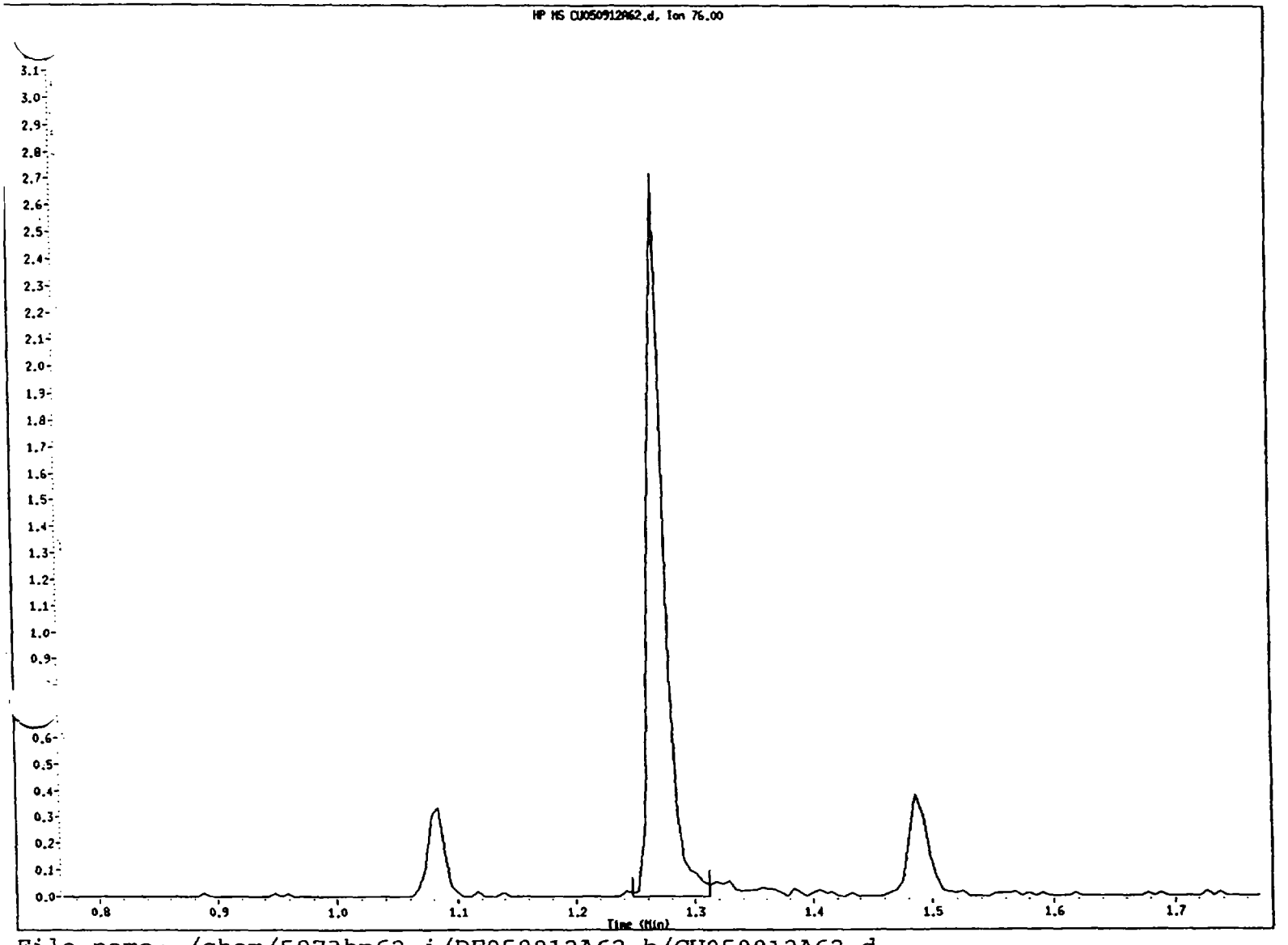
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 0.99
Operator ID: 2323

Carbon disulfide CAS Number 75-15-0 Area = 26439 Manually integrated



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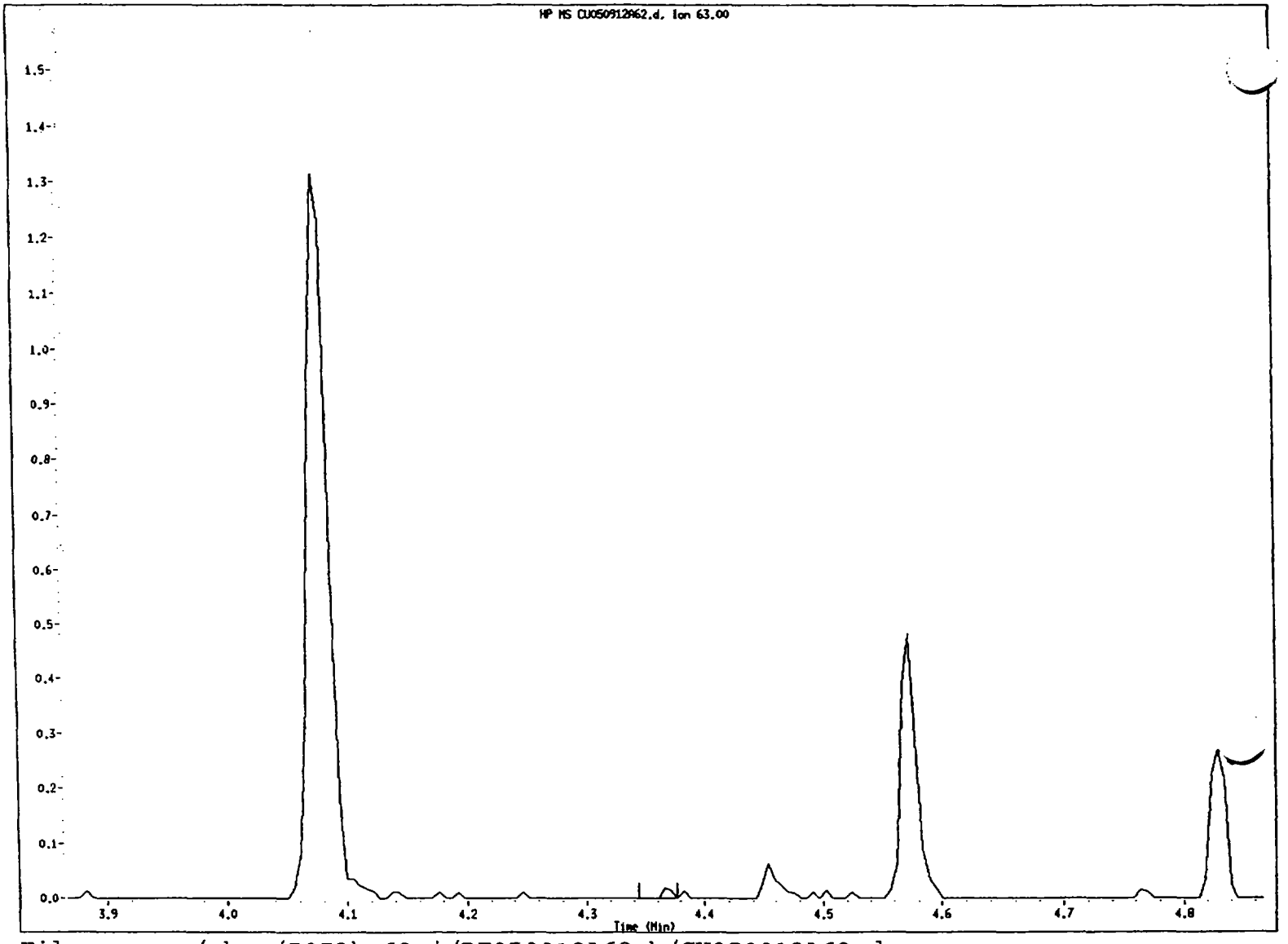
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 1.27
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 110 Manually integrated



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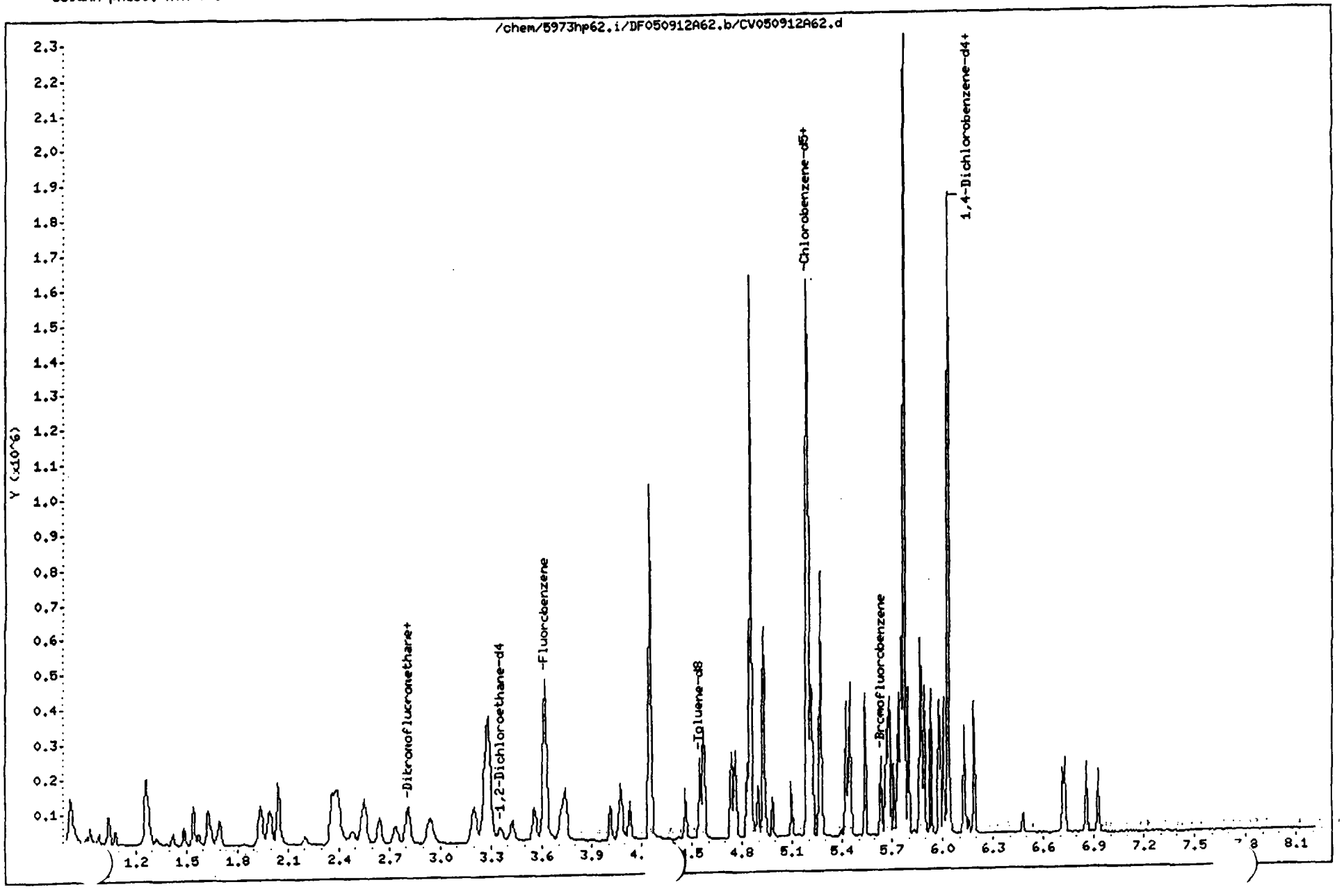
Client ID: VSTD005
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:09
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Date : 12-SEP-2005 14:40
Client ID: VSTD010
Sample Info: VSTD010:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 12-SEP-2005 14:40
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD010:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 14:40 Cal File: CV050912A62.d
Als bottle: 6 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	3.621	3.621	(1.000)	388260	250.000		
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	366844	250.000		
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	203016	250.000		
$ 4 Dibromofluoromethane	113	2.804	2.804	(0.774)	26377	50.0000	53	
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	26303	50.0000	53	
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	79836	50.0000	52	
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	35505	50.0000	53	
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	20443	50.0000	63	
9 Chloromethane	50	0.779	0.779	(0.215)	36598	50.0000	57	
10 Vinyl Chloride	62	0.806	0.806	(0.223)	24762	50.0000	60	
11 Bromomethane	94	0.937	0.937	(0.259)	15179	50.0000	58(M)	2
12 Chloroethane	64	0.986	0.986	(0.272)	10887	50.0000	55(M)	2
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	36350	50.0000	51	
14 Acrolein	56	1.421	1.421	(0.393)	18089	500.000	500	
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	20549	50.0000	61(M)	2

9/20/05

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

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	1.258	1.258	(0.347)	10521	50.0000	48
17 Acetone	43	1.574	1.574	(0.435)	22555	125.000	120
18 Iodomethane	142	1.323	1.323	(0.366)	15135	50.0000	53
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	23300	50.0000	50
20 Carbon disulfide	76	1.269	1.269	(0.350)	50229	50.0000	58
21 3-Chloropropene	76	1.492	1.492	(0.412)	7295	50.0000	55
22 Acetonitrile	41	1.840	1.840	(0.508)	4258	50.0000	51
23 Methyl acetate	43	1.645	1.645	(0.454)	35721	50.0000	57
24 Methylene Chloride	84	1.541	1.541	(0.426)	30625	50.0000	54
25 Acrylonitrile	53	2.042	2.042	(0.564)	102519	500.000	490
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	26683	50.0000	55
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	26683	50.0000	55
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	54638	50.0000	47
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	50710	50.0000	56
30 Chloroprene	53	1.982	1.982	(0.547)	28509	50.0000	58
31 Vinyl acetate	43	2.200	2.200	(0.608)	31279	50.0000	50
32 Isopropyl ether	45	1.938	1.938	(0.535)	99878	50.0000	53
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	32662	50.0000	55
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	32662	50.0000	55
35 2,2-Dichloropropane	77	2.477	2.477	(0.684)	20761	50.0000	51
36 Propionitrile	54	3.261	3.261	(0.901)	187795	2500.00	2600
37 2-butanone	43	2.956	2.956	(0.817)	30375	125.000	120
Methacrylonitrile	41	3.283	3.283	(0.907)	186912	500.000	520
Bromochloromethane	128	2.559	2.559	(0.707)	18480	50.0000	56
40 Chloroform	83	2.641	2.641	(0.729)	57200	50.0000	55
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	44828	50.0000	58
42 Cyclohexane	56	2.548	2.548	(0.704)	37317	50.0000	50
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	35275	50.0000	58
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	32717	50.0000	57
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	41438	50.0000	53
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	52820	2500.00	2400
47 Benzene	78	3.196	3.196	(0.883)	112416	50.0000	55
48 Trichloroethene	130	3.746	3.746	(1.035)	36607	50.0000	58
49 Methylcyclohexane	83	3.719	3.719	(1.027)	36936	50.0000	50
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	30814	50.0000	53
51 Dibromomethane	174	4.018	4.018	(1.110)	26024	50.0000	52
52 1,4-dioxane	88	4.247	4.247	(1.173)	16273	2500.00	2500
53 Methylmethacrylate	69	4.252	4.252	(1.174)	195346	500.000	520
54 Bromodichloromethane	83	4.127	4.127	(1.140)	41533	50.0000	54
55 2-chloroethyl vinyl ether	63	4.366	4.366	(1.206)	409	50.0000	70(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	40820	50.0000	50
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	75063	125.000	120
58 Toluene	92	4.573	4.573	(0.881)	75461	50.0000	54
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	31053	50.0000	56
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	32718	50.0000	51

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

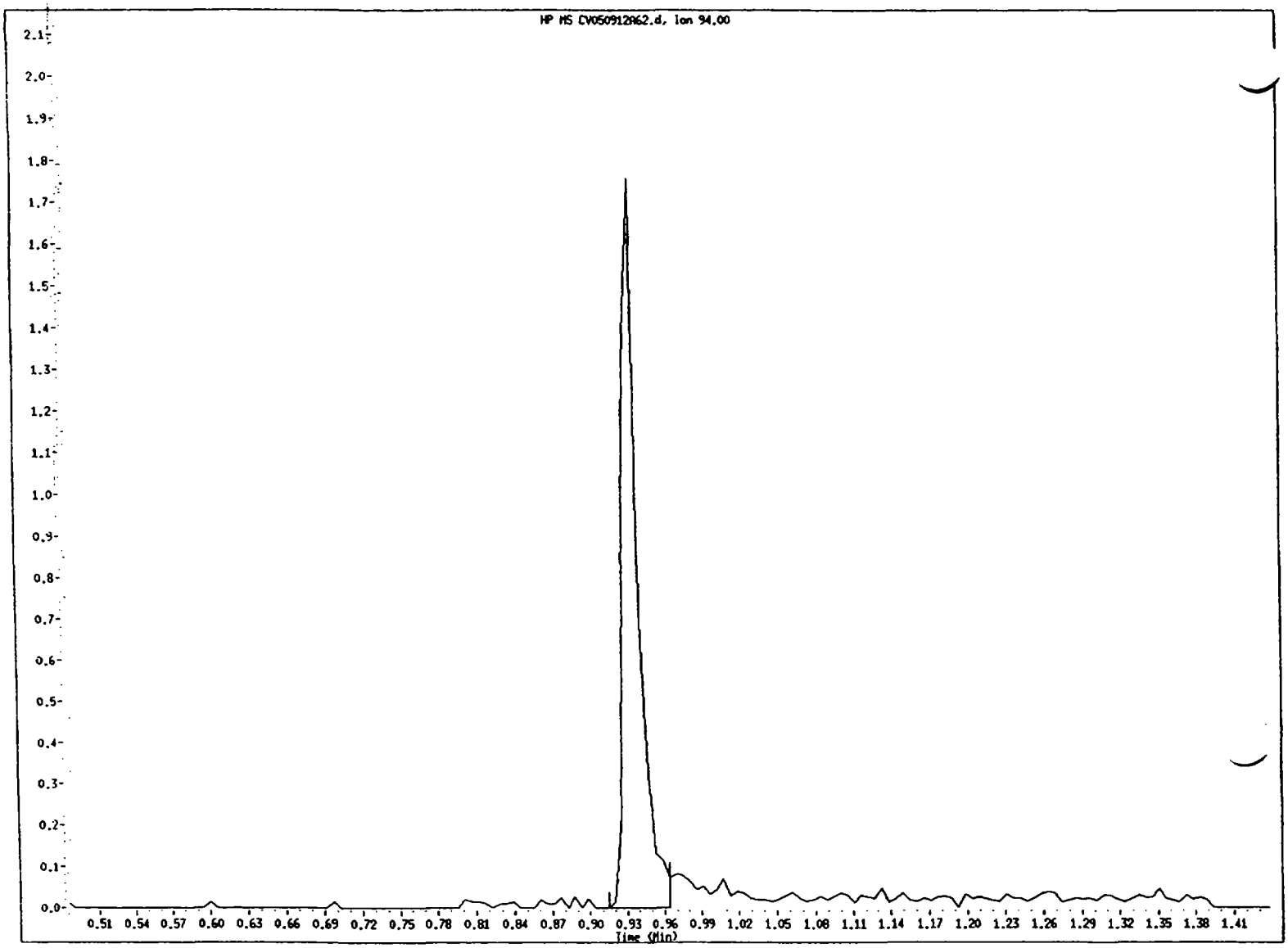
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	383488	500.000	530
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	52247	50.0000	52
63 Tetrachloroethene	164	4.736	4.736	(0.913)	30295	50.0000	55
64 2-hexanone	43	5.096	5.096	(0.982)	50136	125.000	120
65 Dibromochloromethane	129	4.894	4.894	(0.943)	38252	50.0000	49
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	36438	50.0000	50
67 Chlorobenzene	112	5.194	5.194	(1.001)	94293	50.0000	54
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	33160	50.0000	50
70 Ethylbenzene	106	5.210	5.210	(1.004)	46283	50.0000	56
71 m,p-Xylene	106	5.270	5.270	(1.016)	115973	100.000	110
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	115973	100.000	110
73 o-Xylene	106	5.422	5.422	(1.045)	56589	50.0000	54
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	56589	50.0000	54
75 Styrene	104	5.444	5.444	(1.049)	89254	50.0000	52
76 Bromoform	173	5.450	5.450	(1.050)	27750	50.0000	47
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	107874	50.0000	55
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	41909	50.0000	50
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	12384	50.0000	53
81 Bromobenzene	156	5.673	5.673	(1.093)	47350	50.0000	54
82 trans-1,4-dichloro-2-butene	53	5.771	5.771	(1.112)	197677	200.000	160
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	156009	50.0000	56
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	39577	50.0000	56
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	38883	50.0000	53
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	107874	50.0000	55
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	117481	50.0000	55
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	110616	50.0000	54
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	134392	50.0000	57
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	78187	50.0000	55
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	107244	50.0000	56
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	78222	50.0000	53
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	76335	50.0000	53
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	90535	50.0000	57
96 1,2-Dibromo-3-Chloropropane	157	6.478	6.478	(1.074)	7945	50.0000	46
97 1,2,4-Trichlorobenzene	180	6.729	6.729	(1.115)	35904	50.0000	55
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	17268	50.0000	55
99 Naphthalene	128	6.854	6.854	(1.136)	78682	50.0000	50
100 1,2,3-Trichlorobenzene	180	6.925	6.925	(1.148)	30625	50.0000	53
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				59345	100.000	110
M 102 Xylene (total)	106				172562	150.000	160

Data File: /chem/5973hp62.i/DF050912A62.b/CV050912A62.d
Report Date: 13-Sep-2005 00:13

Qualag Legend

M - Compound response manually integrated.

Bromomethane CAS Number 74-83-9 Area = 15179 Manually integrated



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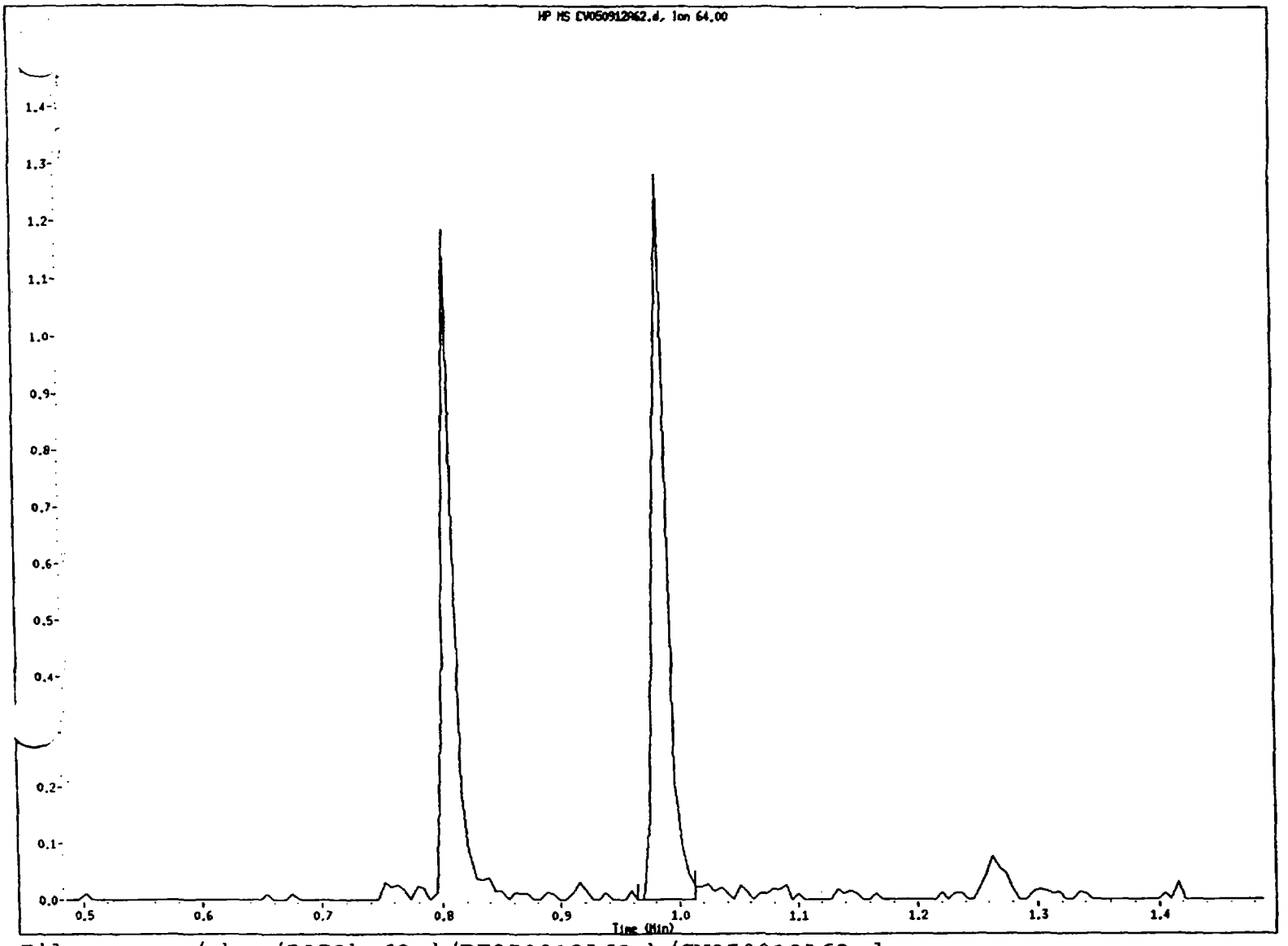
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 10887 Manually integrated



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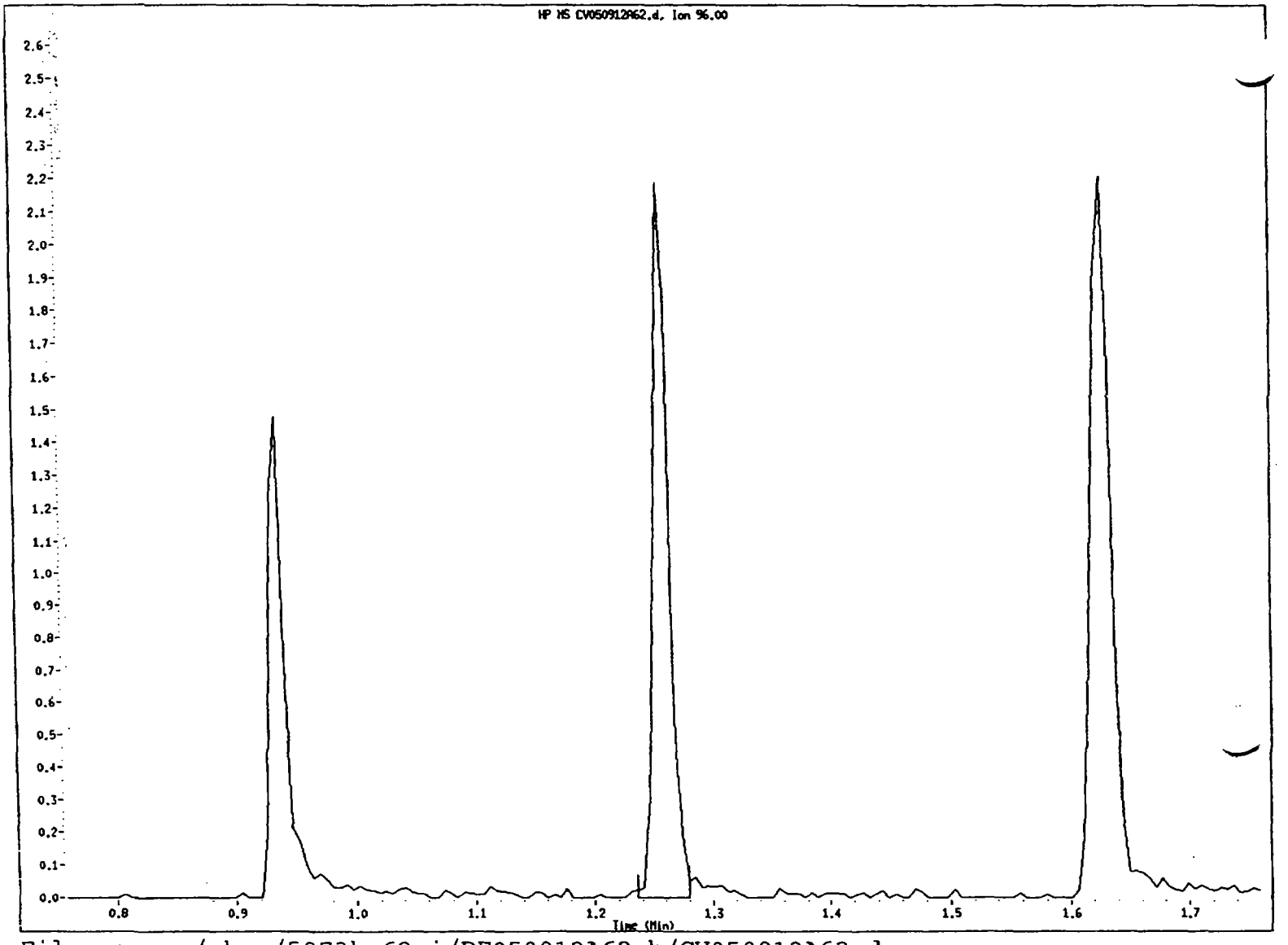
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 0.99
Operator ID: 2323

1,1-Dichloroethene CAS Number 75-35-4 Area = 20549 Manually integrated



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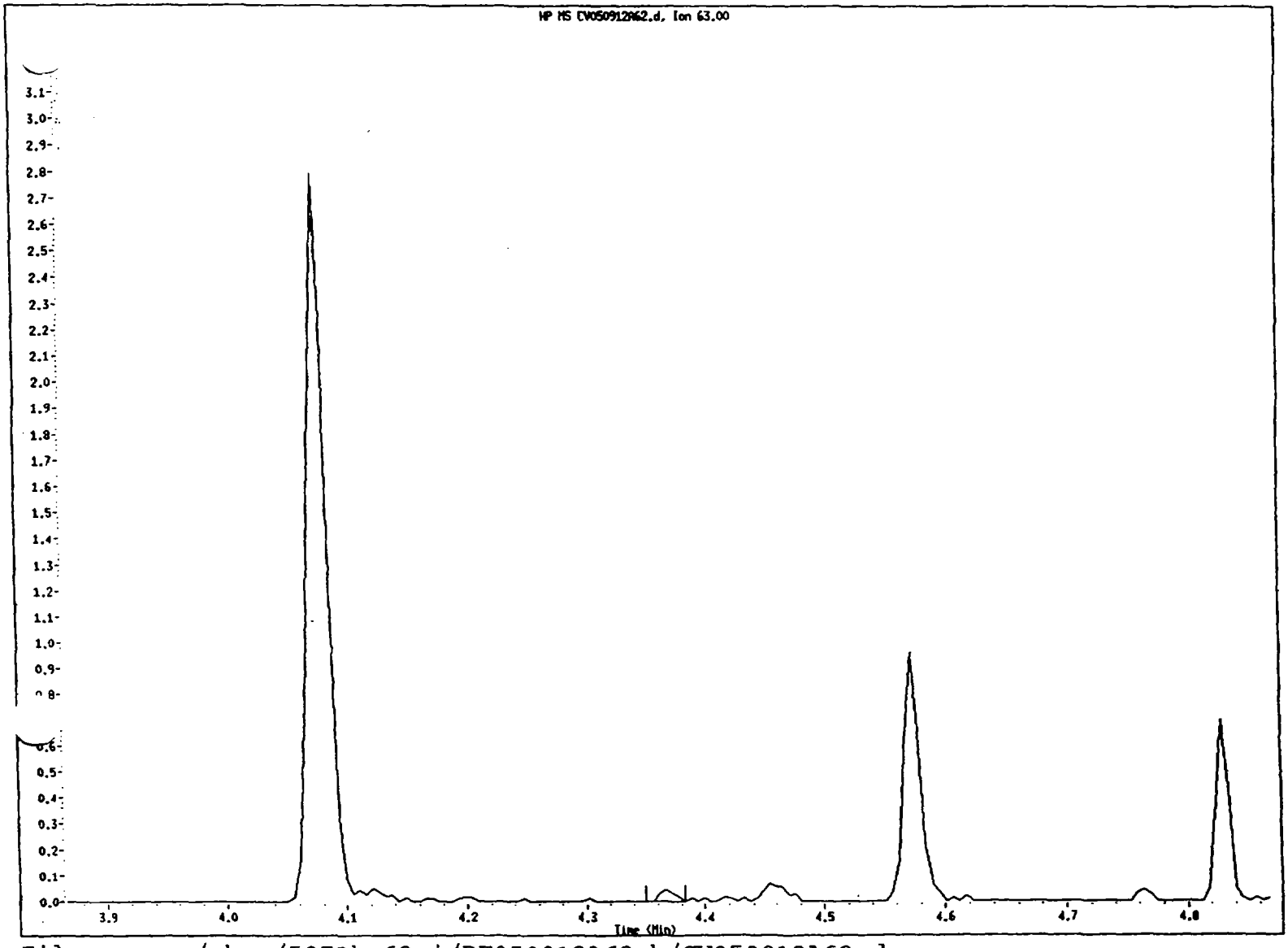
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 1.26
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 409 Manually integrated



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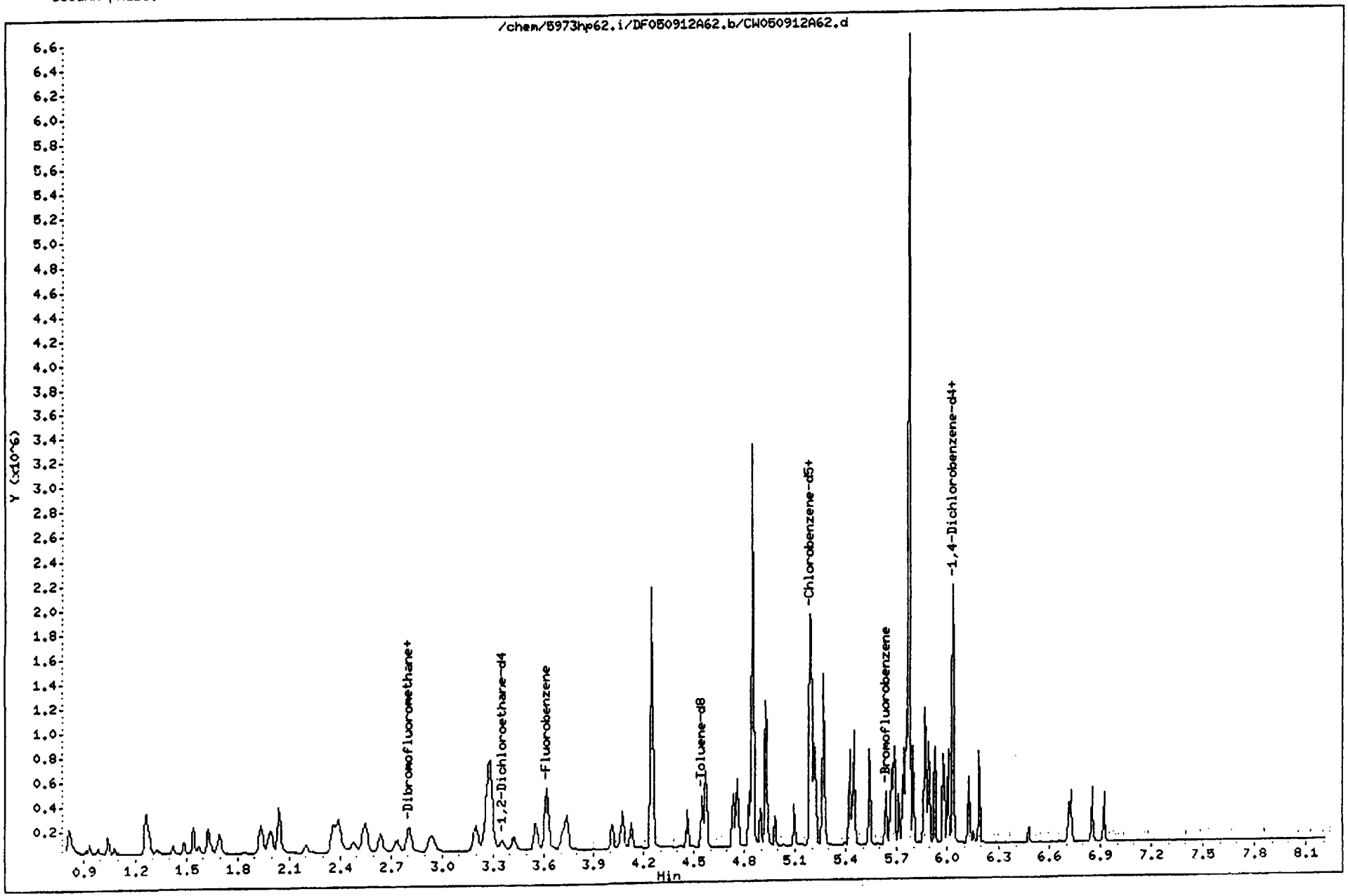
Client ID: VSTD010
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 14:40
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Date : 12-SEP-2005 15:08
Client ID: VSTD020
Sample Info: VSTD020:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 12-SEP-2005 15:08
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD020:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:13 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 15:08 Cal File: CW050912A62.d
Als bottle: 8 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	3.621	3.621	(1.000)	408068	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	376941	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	208494	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.804	(0.774)	51032	100.000	97
$ 5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	50810	100.000	98
$ 6 Toluene-d8	98	4.552	4.552	(0.877)	155652	100.000	99
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	66149	100.000	96
8 Dichlorodifluoromethane	85	0.698	0.698	(0.193)	35450	100.000	110
9 Chloromethane	50	0.779	0.779	(0.215)	66988	100.000	110
10 Vinyl Chloride	62	0.806	0.806	(0.223)	46899	100.000	110
11 Bromomethane	94	0.937	0.937	(0.259)	27493	100.000	100
12 Chloroethane	64	0.986	0.986	(0.272)	21322	100.000	100(M)
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	65386	100.000	110
14 Acrolein	56	1.421	1.421	(0.393)	38747	1000.00	1000
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	37437	100.000	110

2

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

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	1.258	1.258	(0.347)	19285	100.000	110
17 Acetone	43	1.574	1.574	(0.435)	44524	250.000	230
18 Iodomethane	142	1.329	1.329	(0.367)	28413	100.000	94
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.354)	41152	100.000	100
20 Carbon disulfide	76	1.269	1.269	(0.350)	95996	100.000	110
21 3-Chloropropene	76	1.487	1.487	(0.411)	14918	100.000	110
22 Acetonitrile	41	1.841	1.841	(0.508)	8085	100.000	100
23 Methyl acetate	43	1.645	1.645	(0.454)	59093	100.000	110
24 Methylene Chloride	84	1.541	1.541	(0.426)	60815	100.000	100
25 Acrylonitrile	53	2.042	2.042	(0.564)	219358	1000.00	990
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	53149	100.000	100
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	53149	100.000	100
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.694	1.694	(0.468)	128528	100.000	100
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	100671	100.000	110
30 Chloroprene	53	1.988	1.988	(0.549)	55464	100.000	110
31 Vinyl acetate	43	2.200	2.200	(0.608)	83368	100.000	95
32 Isopropyl ether	45	1.939	1.939	(0.535)	195328	100.000	99
33 cis-1,2-Dichloroethene	96	2.390	2.390	(0.660)	61929	100.000	100
34 cis-1,2-DCE (part of total)	96	2.390	2.390	(0.660)	61929	100.000	100
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	52598	100.000	120
36 Propionitrile	54	3.261	3.261	(0.901)	389980	5000.00	5100
37 2-butanone	43	2.957	2.957	(0.817)	65797	250.000	250
38 Methacrylonitrile	41	3.283	3.283	(0.907)	371547	1000.00	990
39 Bromochloromethane	128	2.559	2.559	(0.707)	35223	100.000	100
40 Chloroform	83	2.635	2.635	(0.728)	111090	100.000	100
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	87213	100.000	110
42 Cyclohexane	56	2.543	2.543	(0.702)	66495	100.000	100
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	64917	100.000	100
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	64372	100.000	110
45 1,2-Dichloroethane	62	3.419	3.419	(0.944)	81371	100.000	99
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	120521	5000.00	5200
47 Benzene	78	3.196	3.196	(0.883)	214562	100.000	100
48 Trichloroethene	130	3.746	3.746	(1.035)	67890	100.000	100
49 Methylcyclohexane	83	3.724	3.724	(1.029)	66538	100.000	100
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	62785	100.000	100
51 Dibromomethane	174	4.013	4.013	(1.108)	54583	100.000	100
52 1,4-dioxane	88	4.247	4.247	(1.173)	35700	5000.00	5200
53 Methylmethacrylate	69	4.252	4.252	(1.174)	412373	1000.00	1100
54 Bromodichloromethane	83	4.127	4.127	(1.140)	81228	100.000	100
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	721	100.000	130(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	88215	100.000	100
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	156235	250.000	250
58 Toluene	92	4.573	4.573	(0.881)	148543	100.000	100
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	74394	100.000	100
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	66312	100.000	100

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

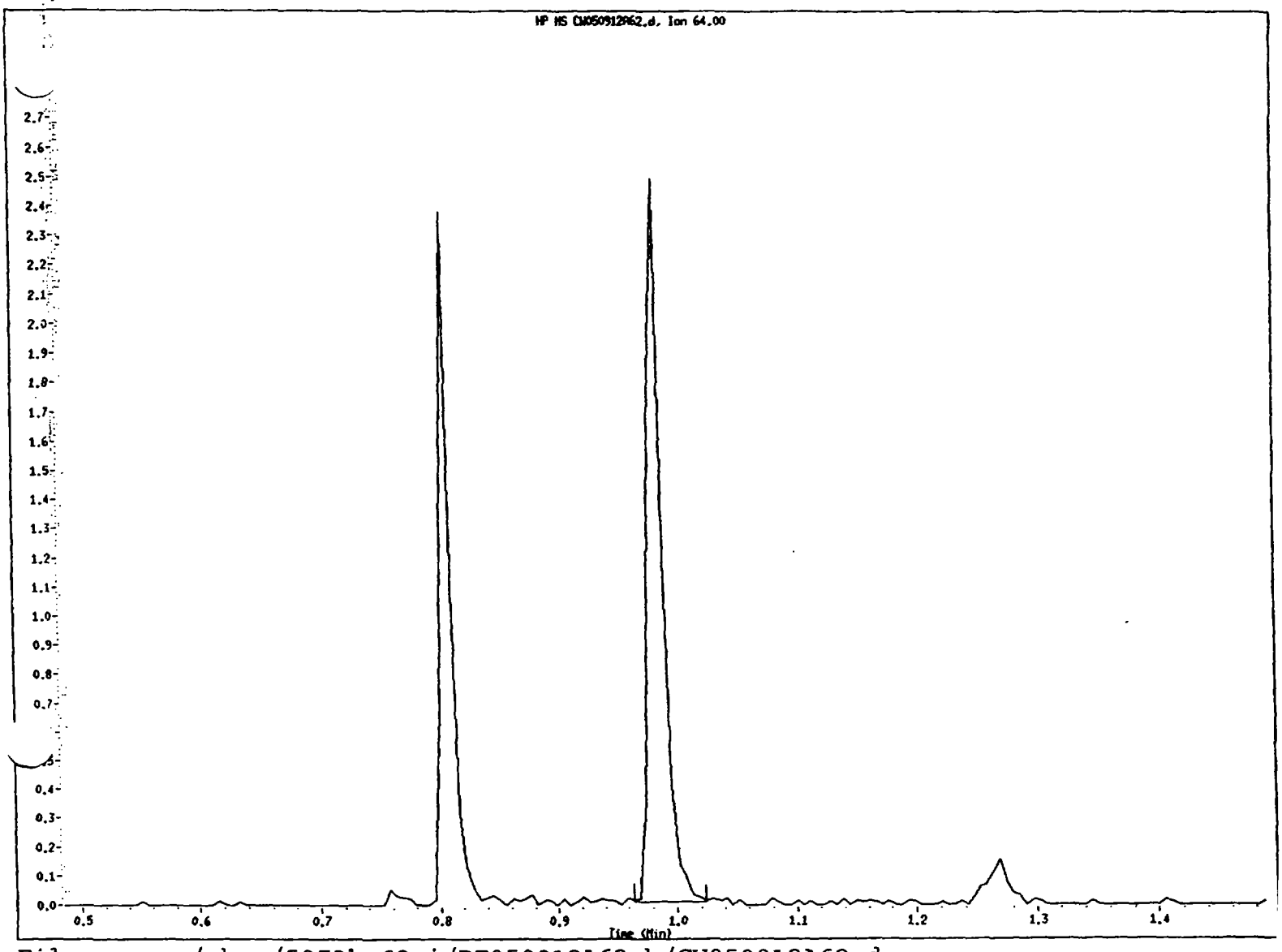
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	791136	1000.00	1100
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	107152	100.000	100
63 Tetrachloroethene	164	4.737	4.737	(0.913)	53397	100.000	100
64 2-hexanone	43	5.096	5.096	(0.982)	103139	250.000	240
65 Dibromochloromethane	129	4.894	4.894	(0.943)	78175	100.000	98
66 1,2-Dibromoethane	107	4.982	4.982	(0.960)	76019	100.000	100
67 Chlorobenzene	112	5.194	5.194	(1.001)	179984	100.000	100
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	70023	100.000	100
70 Ethylbenzene	106	5.210	5.210	(1.004)	87763	100.000	100
71 m,p-Xylene	106	5.270	5.270	(1.016)	222464	200.000	210
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	222464	200.000	210
73 o-Xylene	106	5.423	5.423	(1.045)	112202	100.000	100
74 o-Xylene (part of total)	106	5.423	5.423	(1.045)	112202	100.000	100
75 Styrene	104	5.444	5.444	(1.049)	180925	100.000	100
76 Bromoform	173	5.450	5.450	(1.050)	60167	100.000	100
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.755	5.755	(1.109)	204547	100.000	100
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	86562	100.000	100
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	24649	100.000	100
81 Bromobenzene	156	5.673	5.673	(1.093)	92455	100.000	100
82 trans-1,4-dichloro-2-butene	53	5.771	5.771	(1.112)	573884	400.000	400
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	294330	100.000	100
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	73183	100.000	100
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	73719	100.000	97
1,3,5-Trimethyl Benzene	105	5.755	5.755	(0.954)	204547	100.000	100
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	229072	100.000	100
89 1,2,4-Trimethyl Benzene	105	5.891	5.891	(0.977)	212972	100.000	100
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	247538	100.000	100
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	144973	100.000	100
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	203229	100.000	100
93 1,4-Dichlorobenzene	146	6.038	6.038	(1.001)	151360	100.000	100
94 1,2-Dichlorobenzene	146	6.185	6.185	(1.025)	147024	100.000	99
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.016)	164833	100.000	100
96 1,2-Dibromo-3-Chloropropane	157	6.479	6.479	(1.074)	18581	100.000	100
97 1,2,4-Trichlorobenzene	180	6.724	6.724	(1.115)	63352	100.000	94
98 Hexachlorobutadiene	225	6.713	6.713	(1.113)	29473	100.000	110
99 Naphthalene	128	6.849	6.849	(1.135)	158557	100.000	99
100 1,2,3-Trichlorobenzene	180	6.920	6.920	(1.147)	59004	100.000	100
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				115078	200.000	200
M 102 Xylene (total)	106				334666	300.000	310

Data File: /chem/5973hp62.i/DF050912A62.b/CW050912A62.d
Report Date: 13-Sep-2005 00:14

QC Flag Legend

M - Compound response manually integrated.

Chloroethane CAS Number 75-00-3 Area = 21322 Manually integrated



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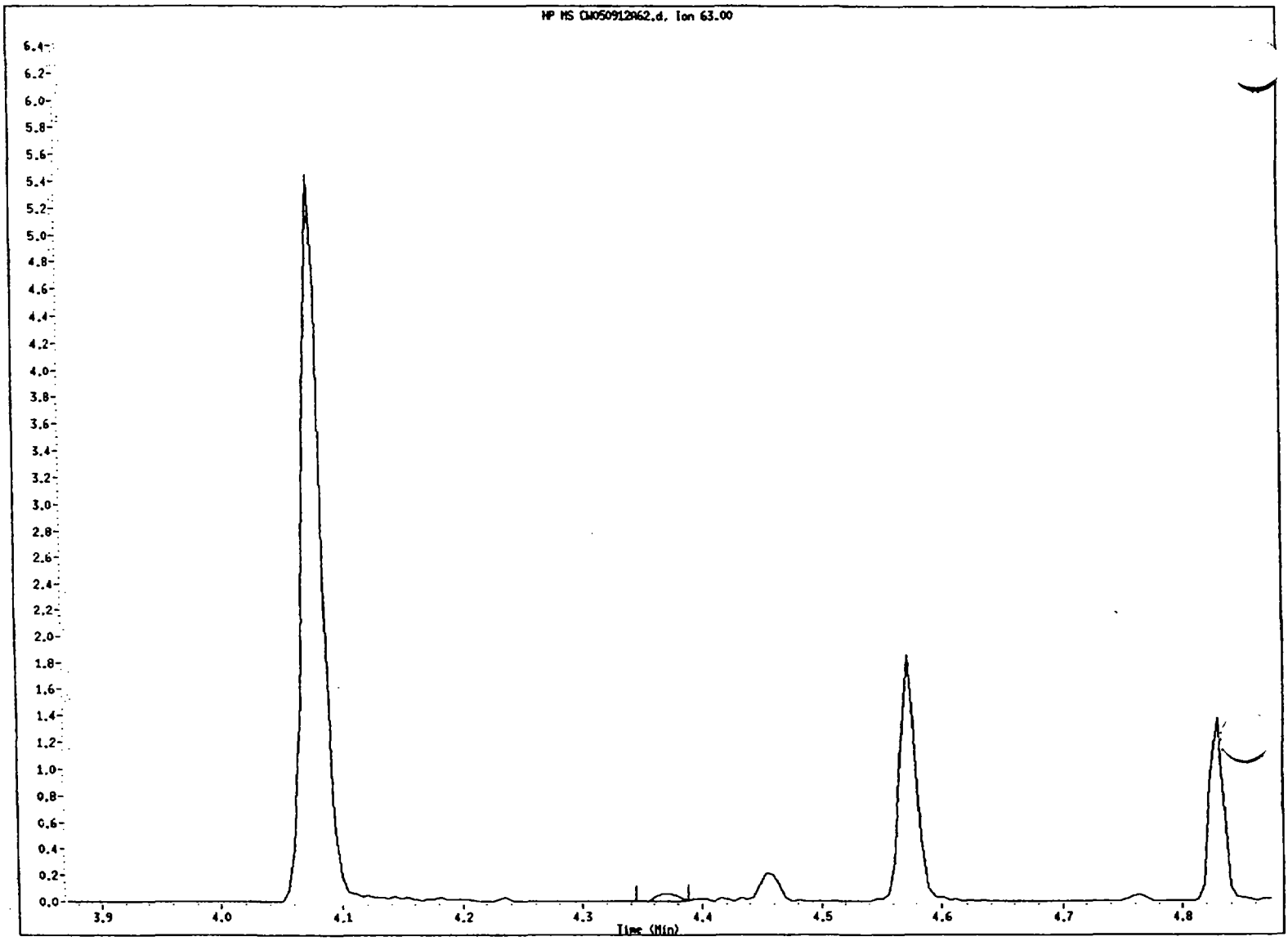
Client ID: VSTD020
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 15:08
Retention Time: 0.99
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 721 Manually integrated



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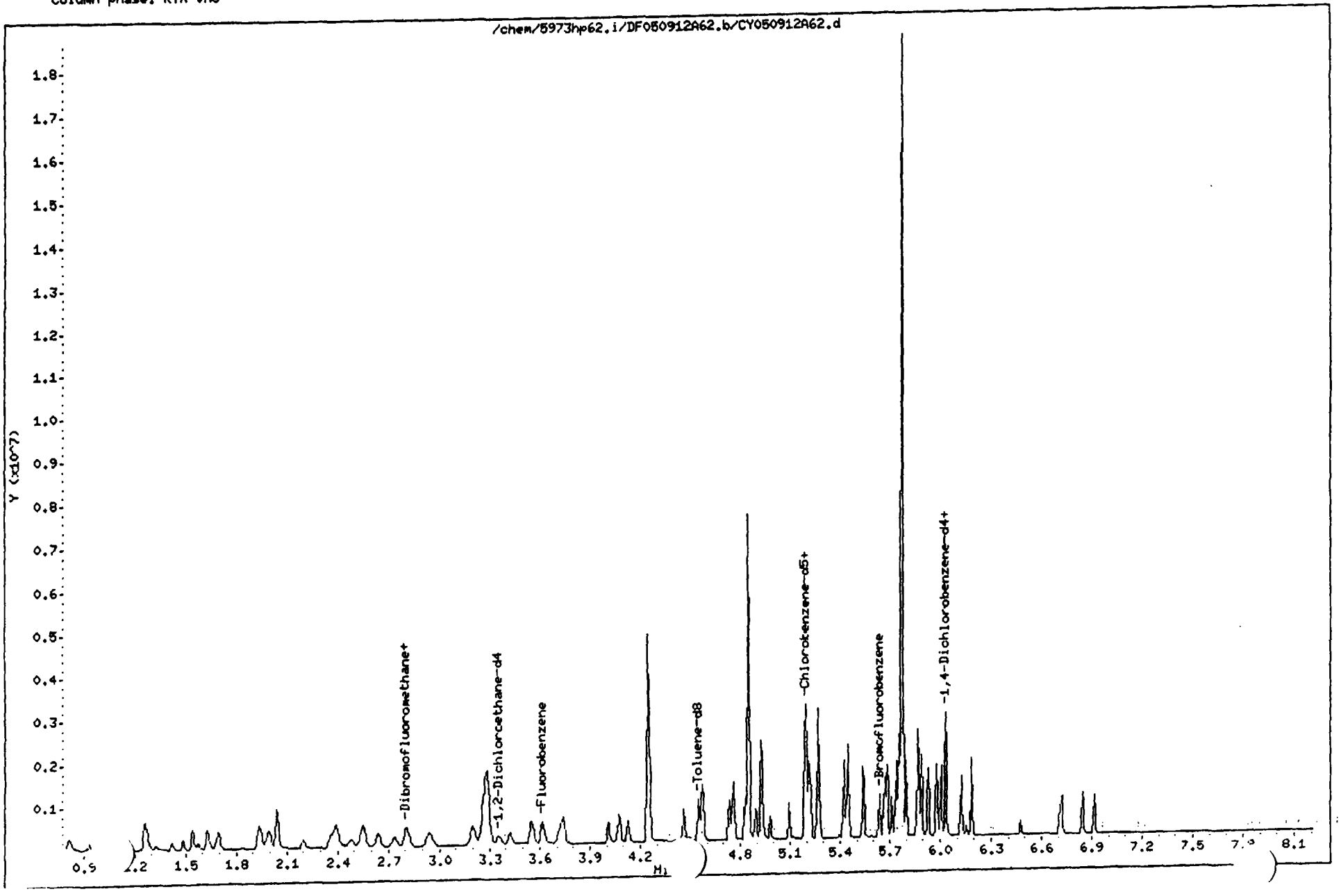
Client ID: VSTD020
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 15:08
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Date : 12-SEP-2005 16:04
Client ID: VSTD050
Sample Info: VSTD050:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 12-SEP-2005 16:04
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD050:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:14 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 16:04 Cal File: CY050912A62.d
Als bottle: 12 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	3.620	3.620	(1.000)	407611	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	380265	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	209006	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.804	(0.774)	123739	250.000	240
$ 5 1,2-Dichloroethane-d4	65	3.354	3.354	(0.926)	123061	250.000	240
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	369092	250.000	230
$ 7 Bromofluorobenzene	95	5.635	5.635	(0.934)	158258	250.000	230
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	64509	250.000	200
9 Chloromethane	50	0.779	0.779	(0.215)	122929	250.000	210
10 Vinyl Chloride	62	0.806	0.806	(0.223)	87444	250.000	200
11 Bromomethane	94	0.937	0.937	(0.259)	54786	250.000	210(M) 2
12 Chloroethane	64	0.986	0.986	(0.272)	40424	250.000	190(M) 2
13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	120649	250.000	230
14 Acrolein	56	1.421	1.421	(0.393)	88695	2500.00	2300
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	72799	250.000	210

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

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	1.258	1.258	(0.347)	37732	250.000	240
17 Acetone	43	1.574	1.574	(0.435)	108875	625.000	560
18 Iodomethane	142	1.323	1.323	(0.366)	69738	250.000	230
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	83171	250.000	240
20 Carbon disulfide	76	1.269	1.269	(0.350)	196812	250.000	220
21 3-Chloropropene	76	1.487	1.487	(0.411)	30314	250.000	220
22 Acetonitrile	41	1.840	1.840	(0.508)	16844	250.000	230
23 Methyl acetate	43	1.644	1.644	(0.454)	112643	250.000	230
24 Methylene Chloride	84	1.541	1.541	(0.426)	135561	250.000	230
25 Acrylonitrile	53	2.042	2.042	(0.564)	539613	2500.00	2400
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	112045	250.000	220
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	112045	250.000	220
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	305557	250.000	250
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	212760	250.000	220
30 Chloroprene	53	1.982	1.982	(0.547)	115697	250.000	220
31 Vinyl acetate	43	2.200	2.200	(0.608)	251267	250.000	240
32 Isopropyl ether	45	1.938	1.938	(0.535)	458065	250.000	230
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	143225	250.000	230
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	143225	250.000	230
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	106814	250.000	250
36 Propionitrile	54	3.261	3.261	(0.901)	913827	12500.0	12000
37 2-butanone	43	2.951	2.951	(0.815)	156927	625.000	590
1 Methacrylonitrile	41	3.288	3.288	(0.908)	886721	2500.00	2400
Bromochloromethane	128	2.559	2.559	(0.707)	77076	250.000	220
40 Chloroform	83	2.641	2.641	(0.729)	249657	250.000	230
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	181392	250.000	220
42 Cyclohexane	56	2.543	2.543	(0.702)	135101	250.000	240
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	140227	250.000	220
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	138996	250.000	230
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	190950	250.000	230
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	283290	12500.0	12000
47 Benzene	78	3.201	3.201	(0.884)	478196	250.000	220
48 Trichloroethene	130	3.746	3.746	(1.035)	145928	250.000	220
49 Methylcyclohexane	83	3.724	3.724	(1.029)	136542	250.000	240
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	140163	250.000	230
51 Dibromomethane	174	4.018	4.018	(1.110)	124584	250.000	240
52 1,4-dioxane	88	4.247	4.247	(1.173)	81415	12500.0	12000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	946300	2500.00	2400
54 Bromodichloromethane	83	4.132	4.132	(1.141)	188789	250.000	230
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	1151	250.000	230(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	214416	250.000	250
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	376203	625.000	590
58 Toluene	92	4.573	4.573	(0.881)	327303	250.000	220
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	191771	250.000	230
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	151804	250.000	230

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

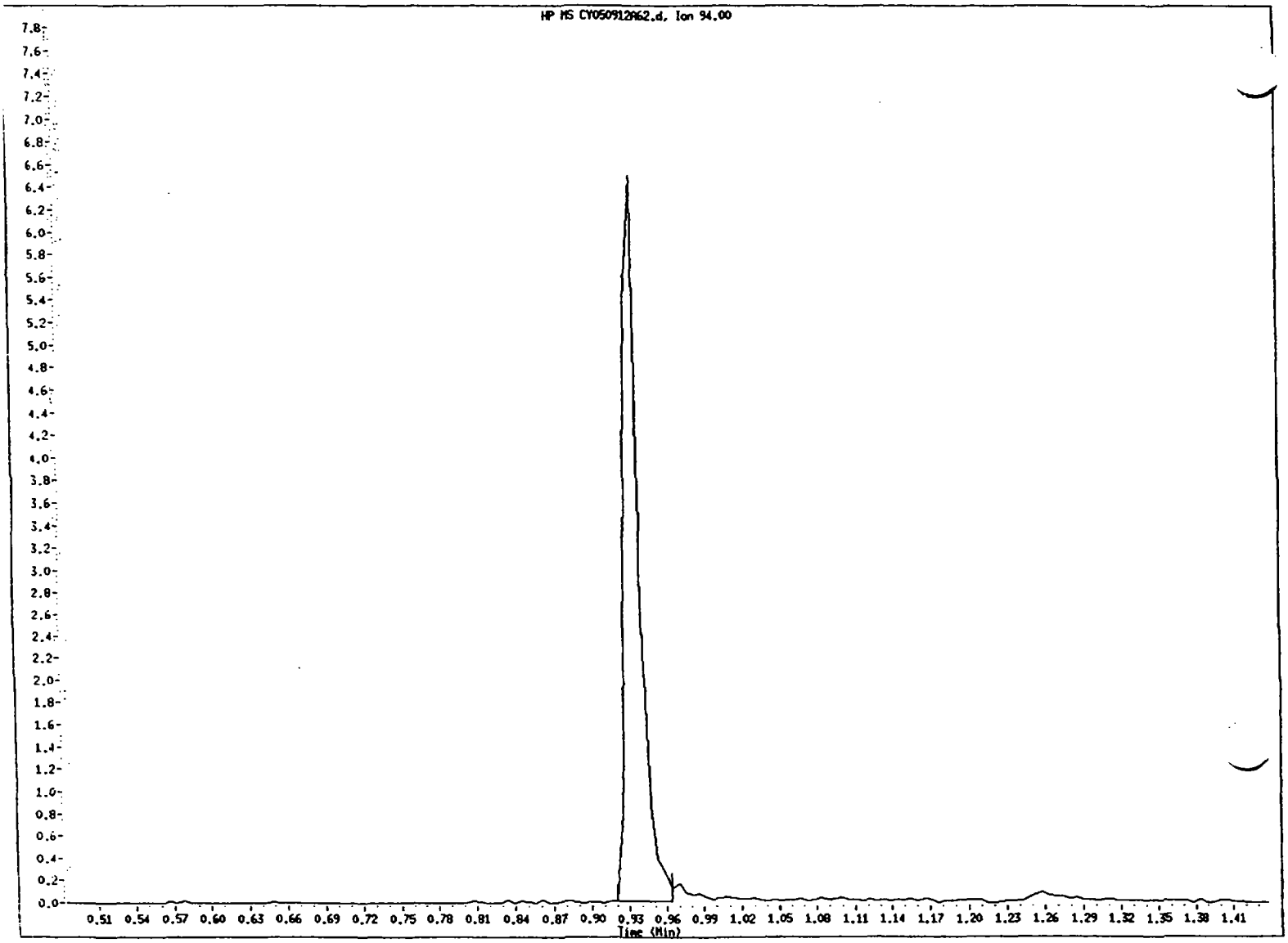
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	1815269	2500.00	2400
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	240350	250.000	230
63 Tetrachloroethene	164	4.736	4.736	(0.913)	116753	250.000	240
64 2-hexanone	43	5.096	5.096	(0.982)	248558	625.000	580
65 Dibromochloromethane	129	4.894	4.894	(0.943)	188579	250.000	230
66 1,2-Dibromoethane	107	4.981	4.981	(0.960)	168715	250.000	220
67 Chlorobenzene	112	5.194	5.194	(1.001)	407043	250.000	230
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	163656	250.000	240
70 Ethylbenzene	106	5.210	5.210	(1.004)	193087	250.000	220
71 m,p-Xylene	106	5.270	5.270	(1.016)	479259	500.000	440
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	478332	500.000	440
73 o-Xylene	106	5.422	5.422	(1.045)	250260	250.000	230
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	250260	250.000	230
75 Styrene	104	5.444	5.444	(1.049)	416996	250.000	230
76 Bromoform	173	5.450	5.450	(1.050)	145167	250.000	240
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.754	5.754	(1.109)	451133	250.000	220
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	196562	250.000	230
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	54114	250.000	220
81 Bromobenzene	156	5.673	5.673	(1.093)	207941	250.000	230
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	1538930	1000.00	1000
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	626016	250.000	220
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	164174	250.000	230
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	171425	250.000	230
86 1,3,5-Trimethyl Benzene	105	5.754	5.754	(0.954)	451133	250.000	220
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	497309	250.000	230
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	480581	250.000	230
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	527029	250.000	220
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	328786	250.000	230
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	445862	250.000	220
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	341121	250.000	230
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	334968	250.000	230
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.125	6.125	(1.015)	352723	250.000	220
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	43479	250.000	240
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	151701	250.000	220
98 Hexachlorobutadiene	225	6.707	6.707	(1.112)	59594	250.000	240
99 Naphthalene	128	6.843	6.843	(1.134)	359794	250.000	220
100 1,2,3-Trichlorobenzene	180	6.914	6.914	(1.146)	129255	250.000	220
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				255270	500.000	450
M 102 Xylene (total)	106				728592	750.000	670

Data File: /chem/5973hp62.i/DF050912A62.b/CY050912A62.d
Report Date: 13-Sep-2005 00:14

QC Flag Legend

M Compound response manually integrated.

Bromomethane CAS Number 74-83-9 Area = 54786 Manually integrated



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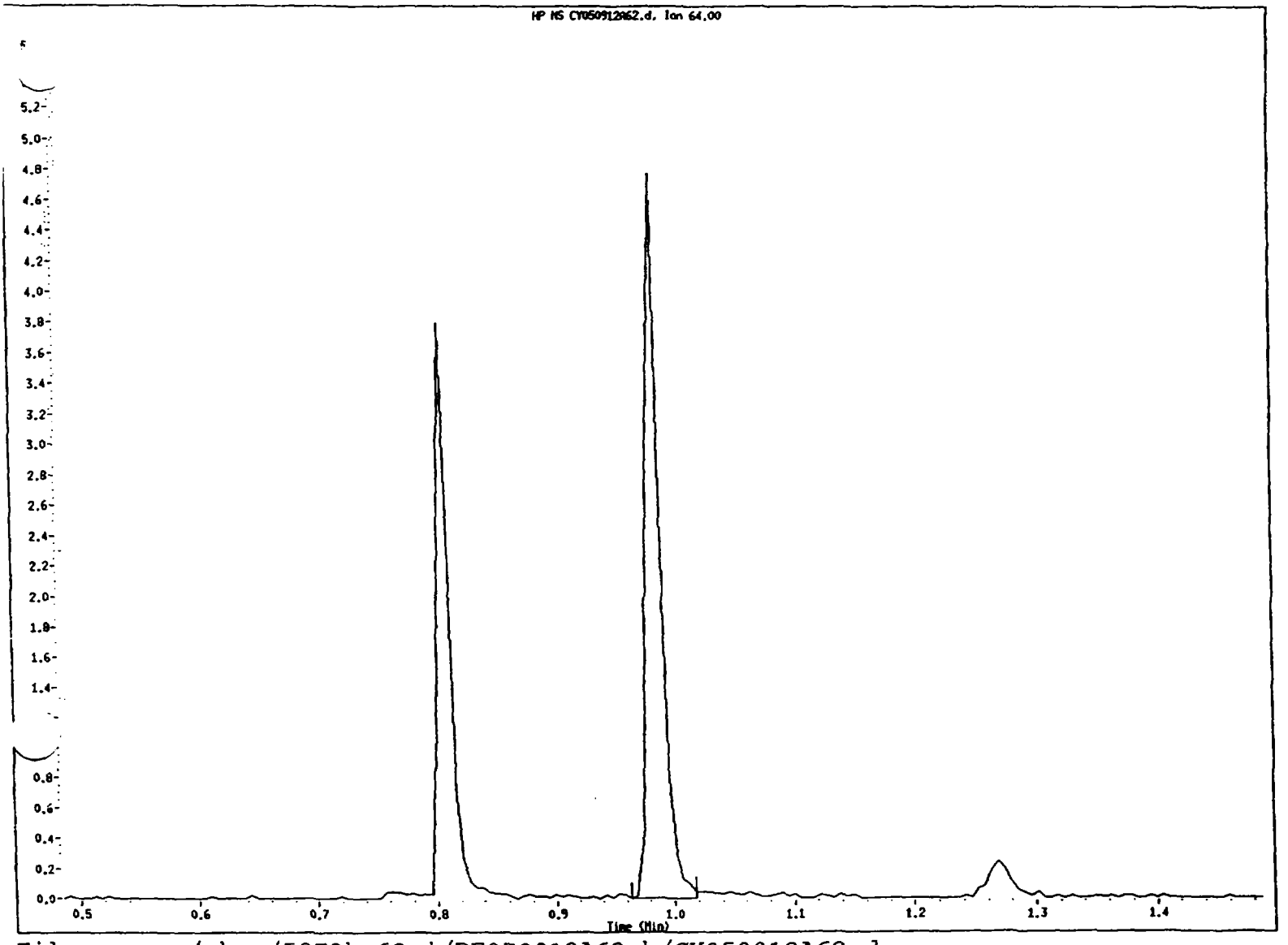
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 0.94
Operator ID: 2323

Chloroethane CAS Number 75-00-3 Area = 40424 Manually integrated



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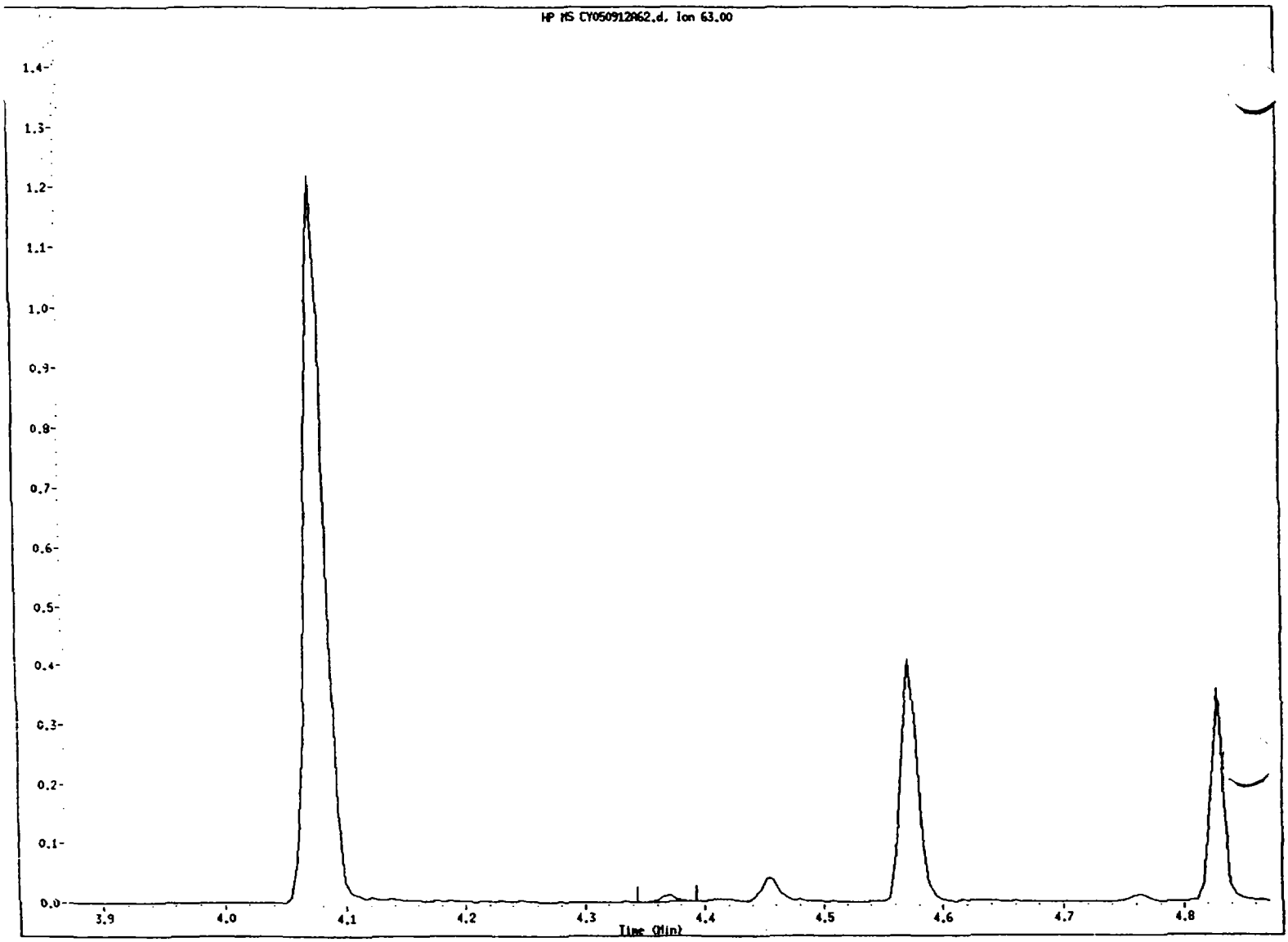
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 0.99
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 1151 Manually integrated



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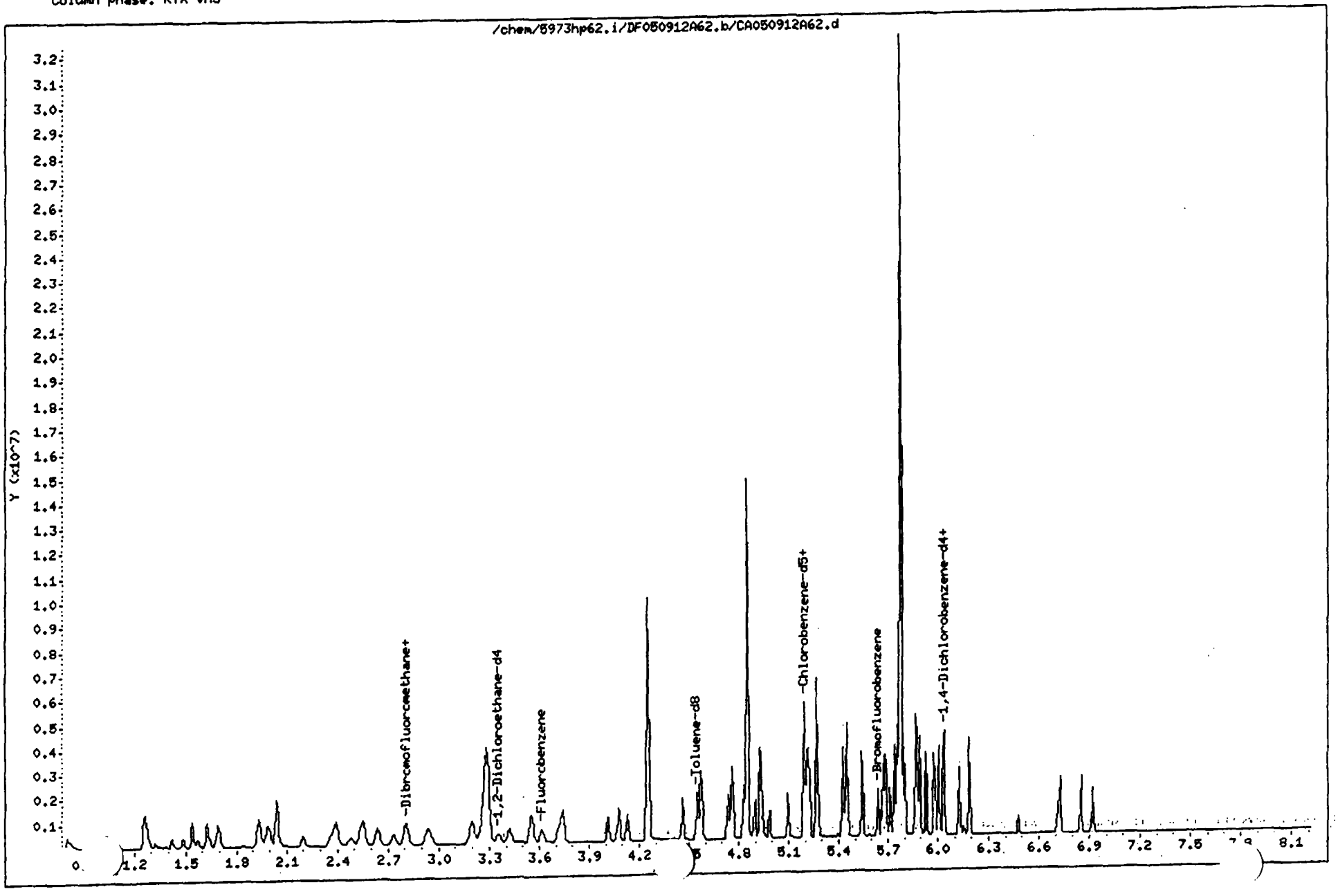
Client ID: VSTD050
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 16:04
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Date : 12-SEP-2005 17:00
Client ID: VSTD100
Sample Info: VSTD100:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 12-SEP-2005 17:00
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD100:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:54 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:00 Cal File: CA050912A62.d
Als bottle: 16 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	3.620	3.620	(1.000)	402953	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	366183	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	203083	250.000	
$	4 Dibromofluoromethane	113	2.809	2.809	(0.776)	249715	500.000	480
$	5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	243803	500.000	480
$	6 Toluene-d8	98	4.551	4.551	(0.877)	718178	500.000	470
$	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	310639	500.000	460
	8 Dichlorodifluoromethane	85	0.697	0.697	(0.193)	145664	500.000	530
	9 Chloromethane	50	0.779	0.779	(0.215)	288744	500.000	530
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	198694	500.000	460
	11 Bromomethane	94	0.937	0.937	(0.259)	133308	500.000	530
	12 Chloroethane	64	0.986	0.986	(0.272)	96569	500.000	470
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	271712	500.000	560
	14 Acrolein	56	1.421	1.421	(0.393)	185988	5000.00	5000
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	156448	500.000	450

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

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	1.258	1.258	(0.347)	76342	500.000	540
17 Acetone	43	1.574	1.574	(0.435)	242238	1250.00	1300
18 Iodomethane	142	1.323	1.323	(0.365)	146120	500.000	490
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	172194	500.000	540
20 Carbon disulfide	76	1.269	1.269	(0.350)	422239	500.000	470
21 3-Chloropropene	76	1.487	1.487	(0.411)	59467	500.000	430
22 Acetonitrile	41	1.840	1.840	(0.508)	36594	500.000	520
23 Methyl acetate	43	1.644	1.644	(0.454)	235750	500.000	510
24 Methylene Chloride	84	1.541	1.541	(0.426)	294894	500.000	500
25 Acrylonitrile	53	2.042	2.042	(0.564)	1135002	5000.00	5200
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	243299	500.000	490
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	243299	500.000	490
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	687614	500.000	560
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	459177	500.000	490
30 Chloroprene	53	1.982	1.982	(0.547)	238565	500.000	460
31 Vinyl acetate	43	2.200	2.200	(0.608)	552427	500.000	500
32 Isopropyl ether	45	1.938	1.938	(0.535)	1005820	500.000	510
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	312467	500.000	510
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	312467	500.000	510
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	191848	500.000	450
36 Propionitrile	54	3.272	3.272	(0.904)	1927218	25000.0	25000
37 2-butanone	43	2.956	2.956	(0.817)	338166	1250.00	1300
38 Methacrylonitrile	41	3.288	3.288	(0.908)	1917050	5000.00	5200
) Bromochloromethane	128	2.553	2.553	(0.705)	171612	500.000	500
40 Chloroform	83	2.641	2.641	(0.729)	542793	500.000	500
41 1,1,1-Trichloroethane	97	2.804	2.804	(0.774)	383979	500.000	470
42 Cyclohexane	56	2.543	2.543	(0.702)	280301	500.000	540
43 1,1-dichloropropene	75	2.934	2.934	(0.811)	292842	500.000	470
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	288826	500.000	480
45 1,2-Dichloroethane	62	3.424	3.424	(0.946)	416676	500.000	510
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	602654	25000.0	26000
47 Benzene	78	3.201	3.201	(0.884)	1039036	500.000	490
48 Trichloroethene	130	3.746	3.746	(1.035)	303898	500.000	460
49 Methylcyclohexane	83	3.724	3.724	(1.029)	286635	500.000	540
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	309024	500.000	510
51 Dibromomethane	174	4.018	4.018	(1.110)	270300	500.000	520
52 1,4-dioxane	88	4.246	4.246	(1.173)	153838	25000.0	23000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	1946914	5000.00	5000
54 Bromodichloromethane	83	4.132	4.132	(1.141)	414908	500.000	520
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	2600	500.000	500(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	481524	500.000	560
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	794868	1250.00	1300
58 Toluene	92	4.573	4.573	(0.881)	686559	500.000	490
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	432200	500.000	500
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	331347	500.000	520

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

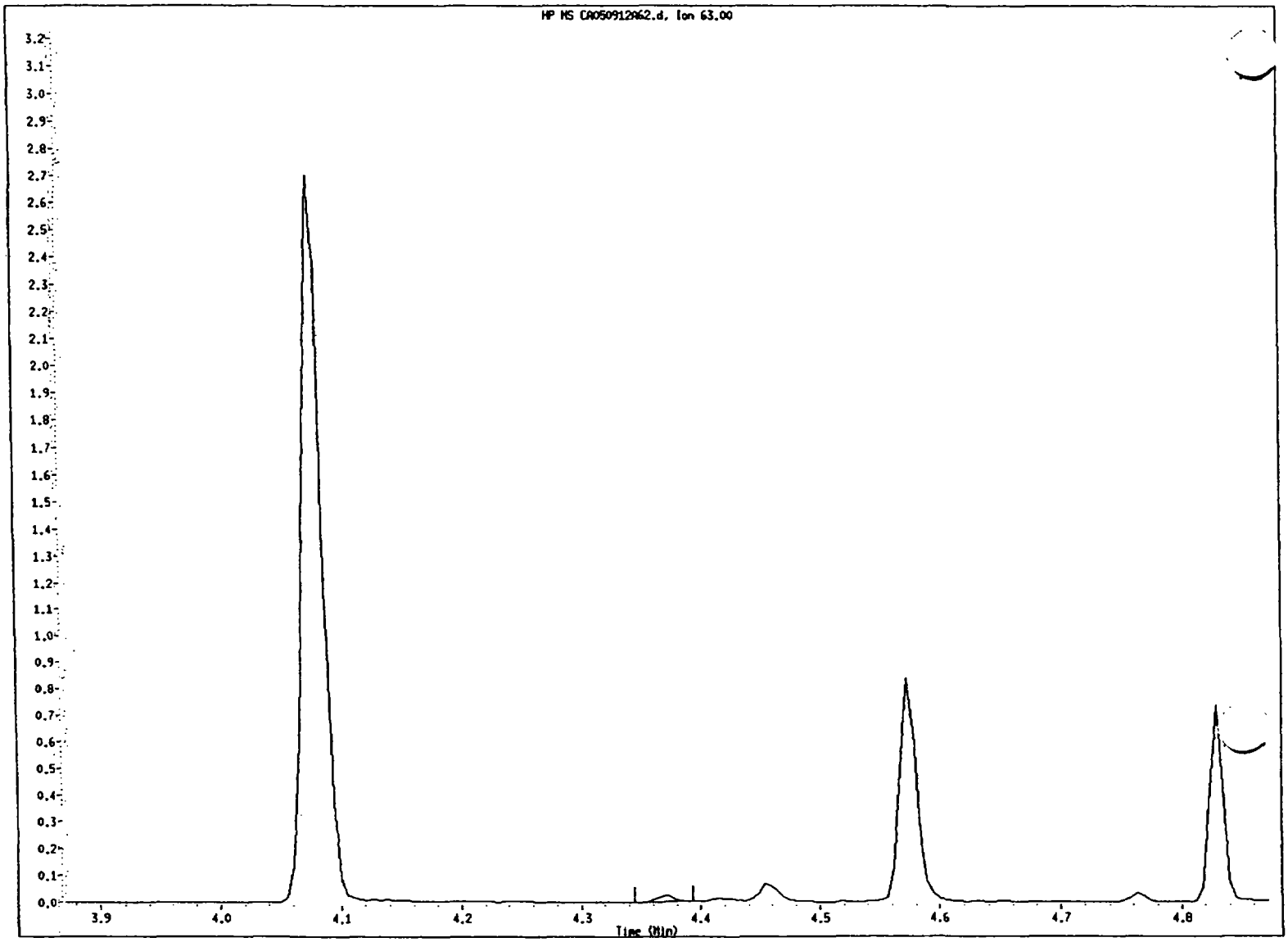
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	3588139	5000.00	5000
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	518947	500.000	510
63 Tetrachloroethene	164	4.736	4.736	(0.913)	231433	500.000	500
64 2-hexanone	43	5.096	5.096	(0.982)	542990	1250.00	1300
65 Dibromochloromethane	129	4.900	4.900	(0.944)	427765	500.000	550
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	382053	500.000	530
67 Chlorobenzene	112	5.194	5.194	(1.001)	854973	500.000	490
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	356505	500.000	530
70 Ethylbenzene	106	5.210	5.210	(1.004)	399146	500.000	480
71 m,p-Xylene	106	5.270	5.270	(1.016)	993909	1000.00	960
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	993909	1000.00	960
73 o-Xylene	106	5.422	5.422	(1.045)	525891	500.000	500
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	525891	500.000	500
75 Styrene	104	5.444	5.444	(1.049)	886806	500.000	520
76 Bromoform	173	5.449	5.449	(1.050)	325114	500.000	560
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	951673	500.000	490
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	437527	500.000	520
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	117673	500.000	510
81 Bromobenzene	156	5.673	5.673	(1.093)	444743	500.000	500
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	3147537	2000.00	2100
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	1317053	500.000	470
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	345465	500.000	490
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	399366	500.000	540
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.955)	951673	500.000	490
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	1034243	500.000	480
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	1004469	500.000	490
90 sec-Butyl Benzene	105	5.928	5.928	(0.983)	1089315	500.000	460
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	694554	500.000	490
92 p-Isopropyl Toluene	119	5.977	5.977	(0.991)	921341	500.000	480
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	722697	500.000	490
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	712322	500.000	490
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.124	6.124	(1.015)	754540	500.000	480
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	96753	500.000	560
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	325795	500.000	500
98 Hexachlorobutadiene	225	6.712	6.712	(1.113)	120061	500.000	520
99 Naphthalene	128	6.848	6.848	(1.135)	786531	500.000	500
100 1,2,3-Trichlorobenzene	180	6.919	6.919	(1.147)	278336	500.000	480
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				555766	1000.00	1000
M 102 Xylene (total)	106				1519800	1500.00	1500

Data File: /chem/5973hp62.i/DF050912A62.b/CA050912A62.d
Report Date: 13-Sep-2005 00:54

Flag Legend

M - Compound response manually integrated.

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 2600 Manually integrated



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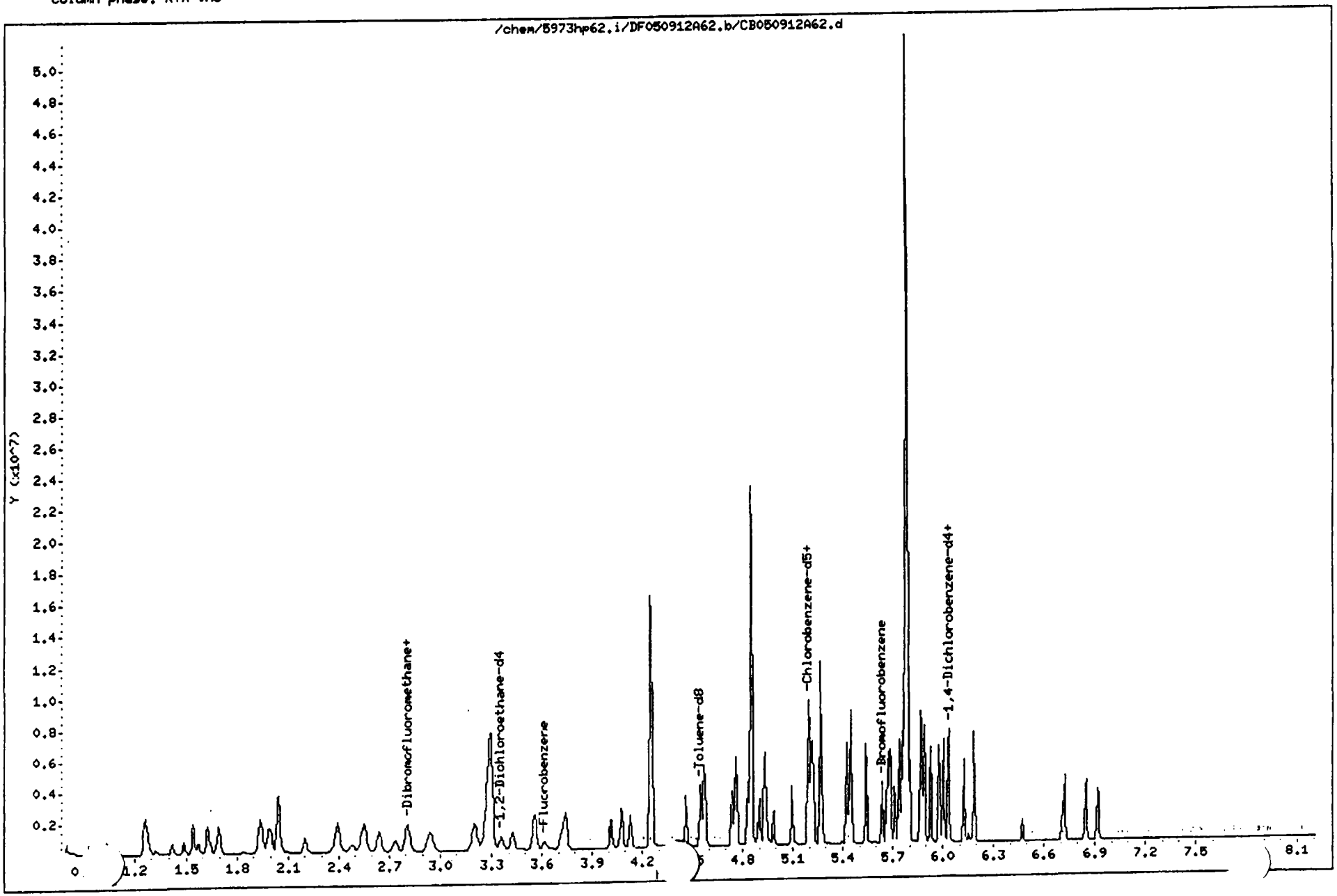
Client ID: VSTD100
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:00
Retention Time: 4.37
Operator ID: 2323

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Date : 12-SEP-2005 17:28
Client ID: VSTD200
Sample Info: VSTD200:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 12-SEP-2005 17:28
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD200:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050912A62.b/W8260B_5ppbv8.m
Meth Date : 13-Sep-2005 00:54 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 18 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)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	3.620	3.620	(1.000)	394985	250.000	
*	2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	348435	250.000	
*	3 1,4-Dichlorobenzene-d4	152	6.032	6.032	(1.000)	191941	250.000	
$	4 Dibromofluoromethane	113	2.809	2.809	(0.776)	509267	1000.00	1000
$	5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	516170	1000.00	1000(A)
$	6 Toluene-d8	98	4.551	4.551	(0.877)	1449956	1000.00	1000
$	7 Bromofluorobenzene	95	5.635	5.635	(0.934)	631016	1000.00	990
	8 Dichlorodifluoromethane	85	0.697	0.697	(0.193)	232824	1000.00	990
	9 Chloromethane	50	0.773	0.773	(0.214)	522571	1000.00	990(M) 2
	10 Vinyl Chloride	62	0.806	0.806	(0.223)	331748	1000.00	790
	11 Bromomethane	94	0.937	0.937	(0.259)	242015	1000.00	990
	12 Chloroethane	64	0.986	0.986	(0.272)	141824	1000.00	710(A)
	13 Trichlorofluoromethane	101	1.040	1.040	(0.287)	449515	1000.00	970
	14 Acrolein	56	1.421	1.421	(0.393)	370157	10000.0	10000(A)
	15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	282849	1000.00	830

9/13

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

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	1.258	1.258	(0.347)	133403	1000.00	980
17 Acetone	43	1.574	1.574	(0.435)	507183	2500.00	2700(A)
18 Iodomethane	142	1.323	1.323	(0.366)	266915	1000.00	910
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	297897	1000.00	980
20 Carbon disulfide	76	1.269	1.269	(0.350)	764356	1000.00	860
21 3-Chloropropene	76	1.487	1.487	(0.411)	119950	1000.00	890
22 Acetonitrile	41	1.840	1.840	(0.508)	68338	1000.00	1000
23 Methyl acetate	43	1.644	1.644	(0.454)	442833	1000.00	1000
24 Methylene Chloride	84	1.541	1.541	(0.426)	543699	1000.00	940
25 Acrylonitrile	53	2.047	2.047	(0.565)	2226449	10000.0	10000(A)
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	437258	1000.00	890
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	437258	1000.00	890
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	1.693	1.693	(0.468)	1282890	1000.00	1100(A)
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	1.998	1.998	(0.552)	858063	1000.00	930
30 Chloroprene	53	1.982	1.982	(0.547)	444905	1000.00	880
31 Vinyl acetate	43	2.200	2.200	(0.608)	1162857	1000.00	1000
32 Isopropyl ether	45	1.938	1.938	(0.535)	1869192	1000.00	980
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	576714	1000.00	960
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	576714	1000.00	960
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	296603	1000.00	720
36 Propionitrile	54	3.283	3.283	(0.907)	3688439	50000.0	50000
37 2-butanone	43	2.956	2.956	(0.817)	695273	2500.00	2700(A)
38 Methacrylonitrile	41	3.299	3.299	(0.911)	3582599	10000.0	9900
Bromochloromethane	128	2.559	2.559	(0.707)	310027	1000.00	920
Chloroform	83	2.641	2.641	(0.729)	1003806	1000.00	940
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	703382	1000.00	890
42 Cyclohexane	56	2.543	2.543	(0.702)	483469	1000.00	980
43 1,1-dichloropropene	75	2.935	2.935	(0.811)	536976	1000.00	870
44 Carbon Tetrachloride	117	2.733	2.733	(0.755)	506483	1000.00	870
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	788599	1000.00	990
46 Isobutyl alcohol	43	3.561	3.561	(0.983)	1199216	50000.0	53000(A)
47 Benzene	78	3.201	3.201	(0.884)	1934104	1000.00	940
48 Trichloroethene	130	3.746	3.746	(1.035)	559927	1000.00	870
49 Methylcyclohexane	83	3.724	3.724	(1.029)	495536	1000.00	980
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	570942	1000.00	960
51 Dibromomethane	174	4.018	4.018	(1.110)	485734	1000.00	950
52 1,4-dioxane	88	4.246	4.246	(1.173)	294976	50000.0	45000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	3459236	10000.0	9100
54 Bromodichloromethane	83	4.132	4.132	(1.141)	785470	1000.00	1000
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	8932	1000.00	1000(AM)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	913367	1000.00	1100(A)
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	1561653	2500.00	2700(A)
58 Toluene	92	4.573	4.573	(0.881)	1274196	1000.00	950
59 trans-1,3-Dichloropropene	75	4.764	4.764	(0.918)	844491	1000.00	1000(A)
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	614934	1000.00	1000(A)

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	6060477	10000.0	8900
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	936840	1000.00	970
63 Tetrachloroethene	164	4.736	4.736	(0.913)	432935	1000.00	1000(A)
64 2-hexanone	43	5.096	5.096	(0.982)	1094865	2500.00	2800(A)
65 Dibromochloromethane	129	4.900	4.900	(0.944)	811244	1000.00	1100(A)
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	712198	1000.00	1000(A)
67 Chlorobenzene	112	5.194	5.194	(1.001)	1563823	1000.00	950
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	5.221	5.221	(1.006)	673440	1000.00	1100(A)
70 Ethylbenzene	106	5.210	5.210	(1.004)	738977	1000.00	930
71 m,p-Xylene	106	5.270	5.270	(1.016)	1810861	2000.00	1800
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	1810861	2000.00	1800
73 o-Xylene	106	5.422	5.422	(1.045)	970303	1000.00	970
74 o-Xylene (part of total)	106	5.422	5.422	(1.045)	970303	1000.00	970
75 Styrene	104	5.444	5.444	(1.049)	1630189	1000.00	1000
76 Bromoform	173	5.450	5.450	(1.050)	610587	1000.00	1100(A)
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	1708740	1000.00	920
79 1,1,2,2-Tetrachloroethane	83	5.711	5.711	(0.947)	816383	1000.00	1000(A)
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	217453	1000.00	980
81 Bromobenzene	156	5.673	5.673	(1.093)	817433	1000.00	970
82 trans-1,4-dichloro-2-butene	53	5.782	5.782	(1.114)	5642535	4000.00	3900
83 n-Propyl Benzene	91	5.684	5.684	(0.942)	2385619	1000.00	910
84 2-Chlorotoluene	126	5.738	5.738	(0.951)	626137	1000.00	940
85 4-Chlorotoluene	126	5.798	5.798	(0.961)	663173	1000.00	950
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.955)	1708740	1000.00	920
88 tert-Butyl Benzene	119	5.869	5.869	(0.973)	1882983	1000.00	930
89 1,2,4-Trimethyl Benzene	105	5.890	5.890	(0.977)	1841398	1000.00	950
90 sec-Butyl Benzene	105	5.929	5.929	(0.983)	1975905	1000.00	890
91 1,3-Dichlorobenzene	146	6.005	6.005	(0.995)	1264265	1000.00	940
92 p-Isopropyl Toluene	119	5.978	5.978	(0.991)	1662932	1000.00	910
93 1,4-Dichlorobenzene	146	6.037	6.037	(1.001)	1296782	1000.00	940
94 1,2-Dichlorobenzene	146	6.184	6.184	(1.025)	1301250	1000.00	960
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.125	6.125	(1.015)	1362222	1000.00	910
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.473	(1.073)	177676	1000.00	1100(A)
97 1,2,4-Trichlorobenzene	180	6.723	6.723	(1.115)	609414	1000.00	980
98 Hexachlorobutadiene	225	6.707	6.707	(1.112)	214793	1000.00	990
99 Naphthalene	128	6.849	6.849	(1.135)	1489894	1000.00	1000(A)
100 1,2,3-Trichlorobenzene	180	6.919	6.919	(1.147)	520502	1000.00	950
M 101 1,2-Dichloroethene (total)	96				1013972	2000.00	1900
M 102 Xylene (total)	106				2781164	3000.00	2800

QC Flag Legend

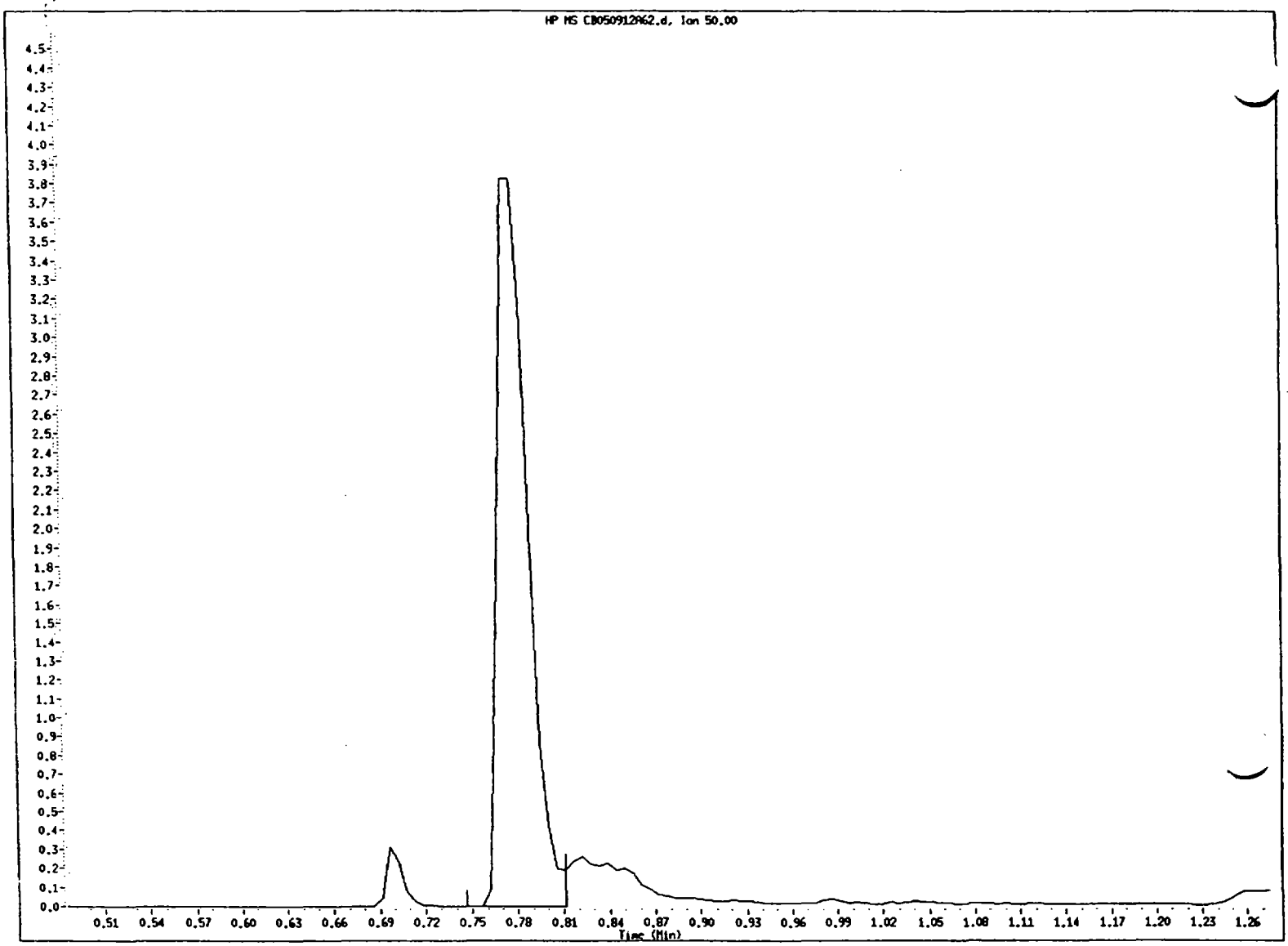
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Report Date: 13-Sep-2005 00:54

Flag Legend

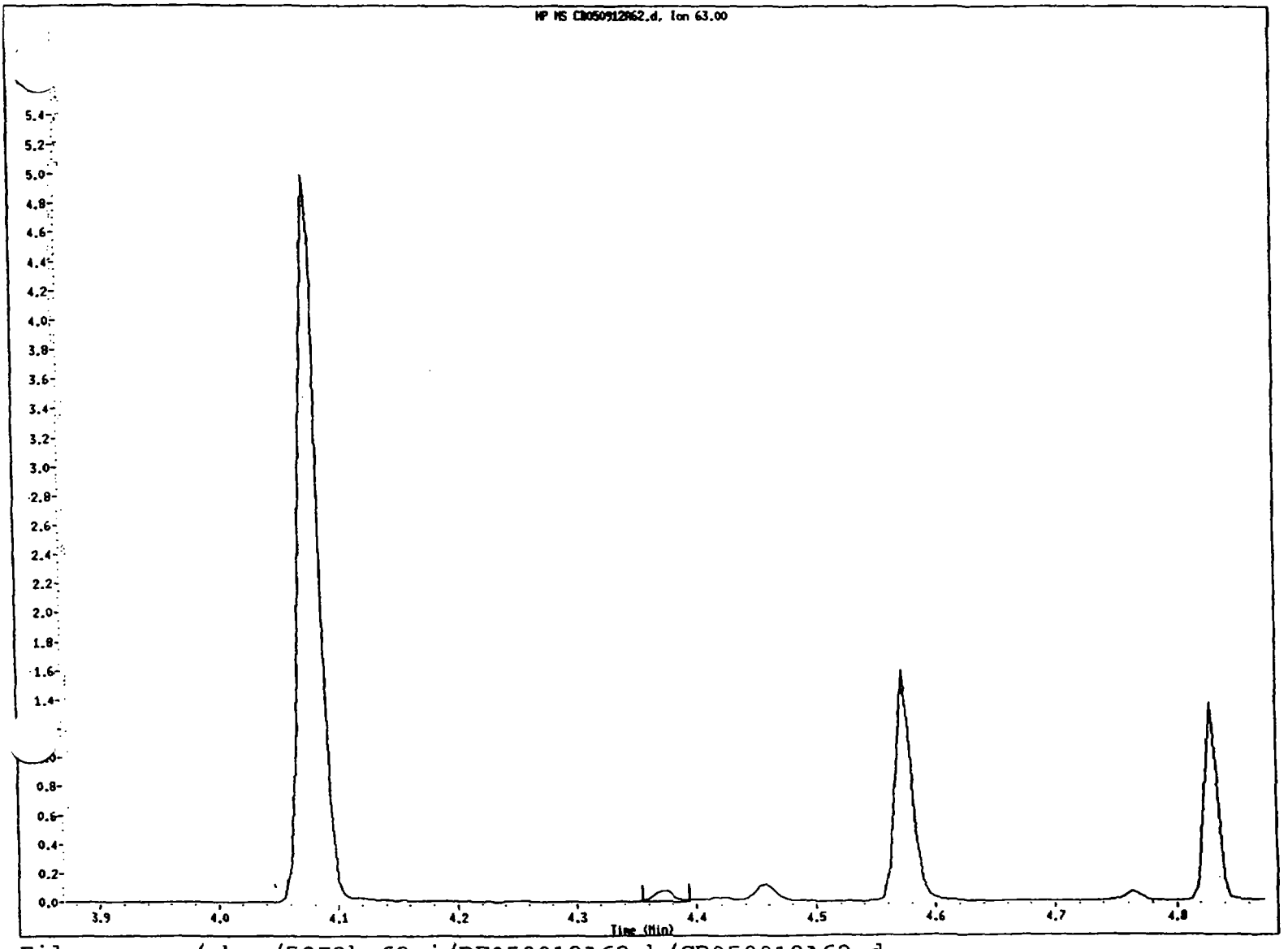
M - Compound response manually integrated.

Chloromethane CAS Number 74-87-3 Area = 522571 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Client ID: VSTD200
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:28
Retention Time: 0.77
Operator ID: 2323

2-chloroethyl vinyl ether CAS Number 110-75-8 Area = 8932 Manually integrated



File name: /chem/5973hp62.i/DF050912A62.b/CB050912A62.d
Client ID: VSTD200
Instrument ID: 5973hp62.i
Injection Date and Time: 12-SEP-2005 17:28
Retention Time: 4.37
Operator ID: 2323

COMPUCHEM a division of Liberty Analytical Corp DATE 9/12/05 INITIAL TIME OF TUNE 1326 SHIFT/S(A) ✓ (B)____ (C)____ 575

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0126 LINKER /METHOD 8260B

COMPUCHEM LOGBOOK 11 J(4) 7 (5973hp62)

PREVENTIVE MAINTENANCE None

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF0509 12A62		NA	NA	9/12/05	1326	BFB	—	2ul	NA	2323	CCD: SD
2		CU				/ /	1409	VSTD005	—	5ml			
3		CV				/ /	1440	010	—				Ical passes
4		CW				/ /	1524	020	—				
5		CX				/ /	1604	050	—				
6		CA				/ /	1702	100	—				
7		CB				/ /	1728	200	—				
8		79339 A62	CS			/ /	1748	VBLK SW5	7619				
9		R A62	CS			/ /	1809						
10		R2A62				/ /	1829						
11		79342 A62				/ /	1850	VSW5 LCS					
12		CC0509 12A62				/ /	1911	VIBLKAB					
13		79156 A62				/ /	1935	ZZEBLKMD		1ml	5x		
14		761906 A62				/ /	2019	S-37530-005					
15		07				/ /	2042	-006					
16		08				/ /	2106	-007					
17		09				/ /	2130	-008					
18		79426 A62				/ /	2151	-005MS					
19		7				/ /	2211	-005MSD					
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

BAP 09/30/

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature] Date 9/13/05

Tune (ID #7008) Lot No. C3488

Calibration Group Code / Lot No: DC258

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

3/25/05: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.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/23/05 Time: 0959

Lab File ID: GS050923A59 Init. Calib. Date(s): 09/12/05 09/12/05

Init. Calib. Times: 1549 1928

GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF50 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.3471400	0.3250968	0.001	-6.35	25.00	AVRG	
Chloromethane	0.1712000	0.1576230	0.1	-7.93	25.00	AVRG	
Vinyl Chloride	0.1515800	0.1416106	0.001	-6.58	20.00	AVRG	
Bromomethane	0.2805400	0.2731723	0.001	-2.63	25.00	AVRG	
Chloroethane	0.2111100	0.2315774	0.001	9.70	25.00	AVRG	
Trichlorofluoromethane	0.4163100	0.4232962	0.001	1.68	25.00	AVRG	
1,1-Dichloroethene	0.2482500	0.2811761	0.001	13.26	20.00	AVRG	
Carbon disulfide	0.9485400	1.0026939	0.001	5.71	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.3092000	0.3345537	0.001	8.20	25.00	AVRG	
Acetone	0.0566800	0.0706562	0.001	24.66	25.00	AVRG	
Methylene Chloride	0.3063800	0.3496248	0.001	14.11	25.00	AVRG	
trans-1,2-Dichloroethene	0.2855100	0.3107569	0.001	8.84	25.00	AVRG	
Methyl-tert-butyl ether	0.6069200	0.7037788	0.001	15.96	25.00	AVRG	
1,1-Dichloroethane	0.5010500	0.5416526	0.1	8.10	25.00	AVRG	
cis-1,2-Dichloroethene	0.2969600	0.3419890	0.001	15.16	25.00	AVRG	
2-butanone	0.0912300	0.1215655	0.001	33.25	25.00	AVRG	<-
Chloroform	0.5238100	0.5485430	0.001	4.72	20.00	AVRG	
1,1,1-Trichloroethane	0.4137100	0.4426771	0.001	7.00	25.00	AVRG	
Carbon Tetrachloride	0.3415400	0.3529391	0.001	3.34	25.00	AVRG	
Benzene	1.0139000	1.0852678	0.001	7.04	25.00	AVRG	
1,2-Dichloroethane	0.3434800	0.3675856	0.001	7.02	25.00	AVRG	
Trichloroethene	0.2661500	0.2924234	0.001	9.87	25.00	AVRG	
1,2-Dichloropropane	0.2473900	0.2767578	0.001	11.87	20.00	AVRG	
Bromodichloromethane	0.3674400	0.3945245	0.001	7.37	25.00	AVRG	
cis-1,3-Dichloropropene	0.4321700	0.4705359	0.001	8.88	25.00	AVRG	
4-Methyl-2-pentanone	0.3090200	0.3978304	0.001	28.74	25.00	AVRG	<-
Toluene	0.9291300	0.9991669	0.001	7.54	20.00	AVRG	
trans-1,3-Dichloropropene	0.5599400	0.5759547	0.001	2.86	25.00	AVRG	
1,1,2-Trichloroethane	0.3136300	0.3670075	0.001	17.02	25.00	AVRG	
Tetrachloroethene	0.2891200	0.3155178	0.001	9.13	25.00	AVRG	
2-hexanone	0.2107300	0.2843787	0.001	34.95	25.00	AVRG	<-
Dibromochloromethane	0.3972200	0.4544414	0.001	14.40	25.00	AVRG	
1,2-Dibromoethane	0.3485400	0.4171110	0.001	19.67	25.00	AVRG	
Chlorobenzene	0.9531900	1.0422049	0.3	9.34	25.00	AVRG	
Ethylbenzene	0.4686500	0.5222529	0.001	11.44	20.00	AVRG	
Styrene	0.9469600	1.0559140	0.001	11.50	25.00	AVRG	
Bromoform	0.2474300	0.3063217	0.1	23.80	25.00	AVRG	
Isopropyl Benzene	1.4350800	1.6365306	0.001	14.04	25.00	AVRG	
1,1,2,2-Tetrachloroethane	0.9550400	1.1639980	0.3	21.88	25.00	AVRG	
1,3-Dichlorobenzene	1.4296300	1.5011081	0.001	5.00	25.00	AVRG	
1,4-Dichlorobenzene	1.5053100	1.5697338	0.001	4.28	25.00	AVRG	
1,2-Dichlorobenzene	1.3319800	1.4672766	0.001	10.16	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/23/05 Time: 0959

Lab File ID: GS050923A59 Init. Calib. Date(s): 09/12/05 09/12/05

Init. Calib. Times: 1549 1928

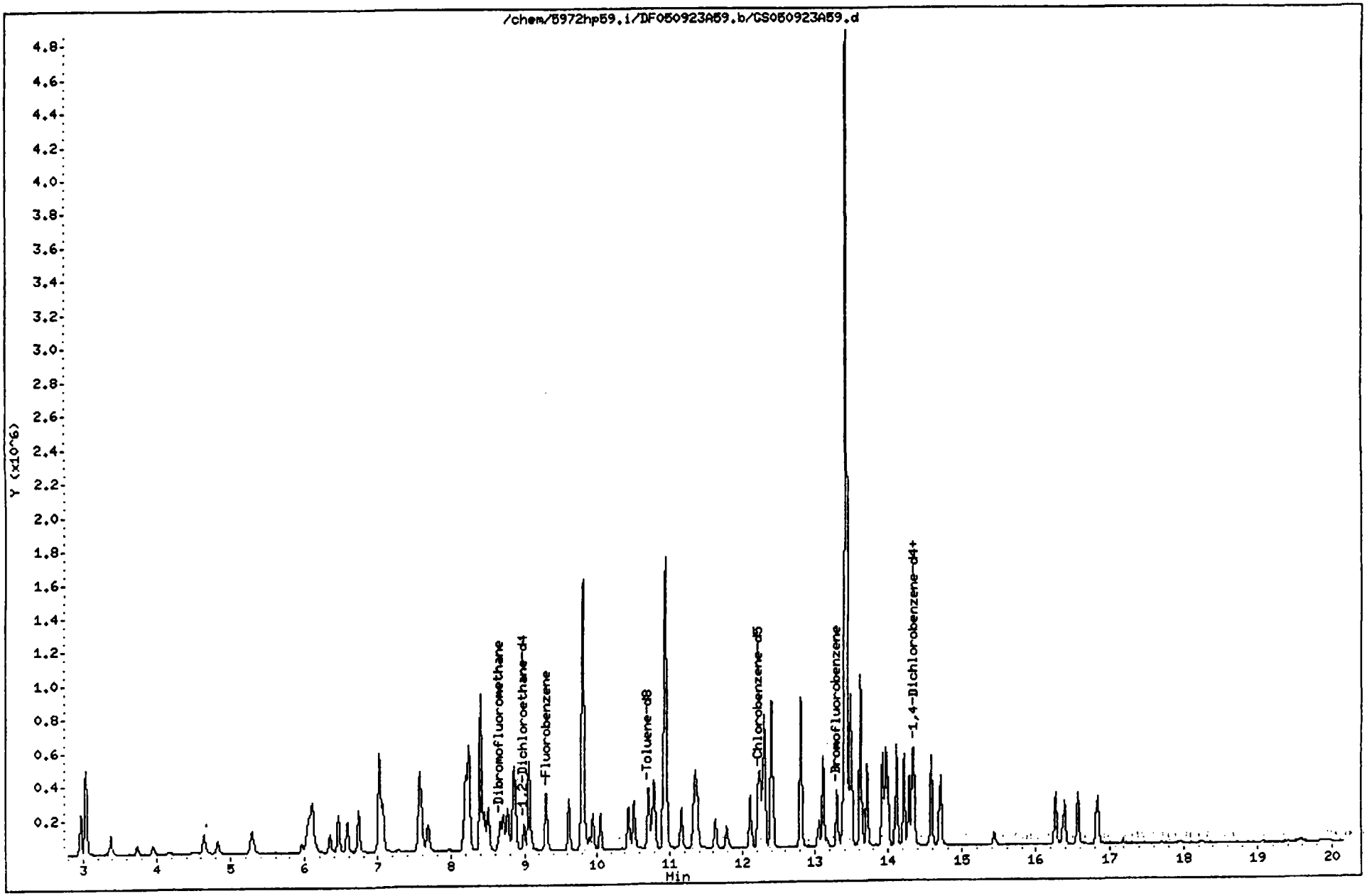
GC Column: ZB-624 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF50 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1336000	0.1873927	0.001	40.26	25.00	AVRG	<-
1,2,4-Trichlorobenzene	0.9109000	0.9159372	0.001	0.55	25.00	AVRG	
Xylene (total)	0.5704600	0.6392686	0.001	12.06	25.00	AVRG	
Methyl acetate	0.1394900	0.1966772	0.001	41.00	25.00	AVRG	<-
Cyclohexane	0.3707900	0.4100886	0.001	10.60	25.00	AVRG	
Methylcyclohexane	0.3385600	0.3936776	0.001	16.28	25.00	AVRG	
Dibromofluoromethane	0.3095300	0.2968086	0.001	-4.11	25.00	AVRG	
1,2-Dichloroethane-d4	0.3089400	0.2793196	0.001	-9.59	25.00	AVRG	
Toluene-d8	1.3665200	1.2926162	0.001	-5.41	25.00	AVRG	
Bromofluorobenzene	1.0942400	1.0570738	0.001	-3.40	25.00	AVRG	

Data File: /chem/5972hp59.i/DF050923A59.b/GS050923A59.d
Date : 23-SEP-2005 09:59
Client ID: VSTD050
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050923A59.b/GS050923A59.d
Report Date: 23-Sep-2005 06:29

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/GS050923A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 23-SEP-2005 09:59
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.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	9.296	9.296	(1.000)	423923	250.000	
* 2 Chlorobenzene-d5	117	12.218	12.218	(1.000)	282076	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.333	(1.000)	144392	250.000	
$ 4 Dibromofluoromethane	113	8.657	8.657	(0.931)	125824	250.000	240
$ 5 1,2-Dichloroethane-d4	65	8.992	8.992	(0.967)	118410	250.000	230
$ 6 Toluene-d8	98	10.713	10.713	(0.877)	364616	250.000	240
$ 7 Bromofluorobenzene	95	13.300	13.300	(0.928)	152633	250.000	240
8 Dichlorodifluoromethane	85	3.374	3.374	(0.363)	137816	250.000	230
9 Chloromethane	50	3.738	3.738	(0.402)	66820	250.000	230
10 Vinyl Chloride	62	3.955	3.955	(0.425)	60032	250.000	230
11 Bromomethane	94	4.643	4.643	(0.499)	115804	250.000	240
12 Chloroethane	64	4.830	4.830	(0.520)	98171	250.000	270
13 Trichlorofluoromethane	101	5.293	5.293	(0.569)	179445	250.000	250
14 Acrolein	56	5.952	5.952	(0.640)	67991	2500.00	2600
15 1,1-Dichloroethene	96	6.109	6.109	(0.657)	119197	250.000	280
16 1,1,1-trichloro-2,2,2-trifluo	117	6.050	6.050	(0.651)	56884	250.000	270

Data File: /chem/5972hp59.i/DF050923A59.b/GS050923A59.d
Report Date: 23-Sep-2005 06:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.158	6.158	(0.662)	74882	625.000	780
18 Iodomethane	142	6.345	6.345	(0.683)	158436	250.000	230
19 1,1,2-trichloro-1,2,2-trifluo	101	6.080	6.080	(0.654)	141825	250.000	270
20 Carbon disulfide	76	6.463	6.463	(0.695)	425065	250.000	260
21 3-Chloropropene	76	6.581	6.581	(0.708)	54634	250.000	220
22 Acetonitrile	41	6.581	6.581	(0.708)	126751	250.000	210
23 Methyl acetate	43	6.571	6.571	(0.707)	83376	250.000	350
24 Methylene Chloride	84	6.739	6.739	(0.725)	148214	250.000	290
25 Acrylonitrile	53	7.014	7.014	(0.754)	424312	2500.00	3300
26 trans-1,2-Dichloroethene	96	7.073	7.073	(0.761)	131737	250.000	270
27 trans-1,2-DCE (part of total)	96	7.073	7.073	(0.761)	131737	250.000	270
28 Methyl-tert-butyl ether	73	7.024	7.024	(0.756)	298348	250.000	290
29 1,1-Dichloroethane	63	7.565	7.565	(0.814)	229619	250.000	270
30 Chloroprene	53	7.673	7.673	(0.825)	145694	250.000	240
31 Vinyl acetate	43	7.565	7.565	(0.814)	355880	250.000	270
32 Isopropyl ether	45	7.565	7.565	(0.814)	369884	250.000	270
33 cis-1,2-Dichloroethene	96	8.195	8.195	(0.881)	144977	250.000	290
34 cis-1,2-DCE (part of total)	96	8.195	8.195	(0.881)	144977	250.000	290
35 2,2-Dichloropropane	77	8.195	8.195	(0.881)	169404	250.000	240
36 Propionitrile	54	8.234	8.234	(0.886)	743110	12500.0	17000
37 2-butanone	43	8.165	8.165	(0.878)	128836	625.000	830
38 Methacrylonitrile	41	8.391	8.391	(0.903)	554645	2500.00	3000
39 Bromochloromethane	128	8.450	8.450	(0.909)	68141	250.000	310
40 Chloroform	83	8.500	8.500	(0.914)	232540	250.000	260
41 1,1,1-Trichloroethane	97	8.706	8.706	(0.936)	187661	250.000	270
42 Cyclohexane	56	8.765	8.765	(0.943)	173846	250.000	280
43 1,1-dichloropropene	75	8.854	8.854	(0.952)	158857	250.000	260
44 Carbon Tetrachloride	117	8.873	8.873	(0.954)	149619	250.000	260
45 1,2-Dichloroethane	62	9.060	9.060	(0.975)	155828	250.000	270
46 Isobutyl alcohol	43	8.844	8.844	(0.951)	213857	12500.0	18000
47 Benzene	78	9.070	9.070	(0.976)	460070	250.000	270
48 Trichloroethene	130	9.621	9.621	(1.035)	123965	250.000	270
49 Methylcyclohexane	83	9.798	9.798	(1.054)	166889	250.000	290
50 1,2-Dichloropropane	63	9.818	9.818	(1.056)	117324	250.000	280
51 Dibromomethane	174	9.956	9.956	(1.071)	83564	250.000	310
52 1,4-dioxane	88	9.906	9.906	(1.066)	61708	12500.0	18000
53 Methylmethacrylate	69	9.818	9.818	(1.056)	772927	2500.00	3300
54 Bromodichloromethane	83	10.054	10.054	(1.081)	167248	250.000	270
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.448	10.448	(1.124)	199471	250.000	270
57 4-Methyl-2-pentanone	43	10.516	10.516	(0.861)	280546	625.000	800
58 Toluene	92	10.782	10.782	(0.882)	281841	250.000	270
59 trans-1,3-Dichloropropene	75	10.959	10.959	(0.897)	162463	250.000	260
60 1,1,2-Trichloroethane	97	11.166	11.166	(0.914)	103524	250.000	290
61 Ethylmethacrylate	69	10.939	10.939	(0.895)	1399920	2500.00	3100
62 1,3-Dichloropropane	76	11.353	11.353	(0.929)	178891	250.000	280
63 Tetrachloroethene	164	11.372	11.372	(0.931)	89000	250.000	270

Data File: /chem/5972hp59.i/DF050923A59.b/GS050923A59.d
Report Date: 23-Sep-2005 06:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.333	11.333	(0.928)	200541	625.000	840
65 Dibromochloromethane	129	11.628	11.628	(0.952)	128187	250.000	290
66 1,2-Dibromoethane	107	11.785	11.785	(0.965)	117657	250.000	300
67 Chlorobenzene	112	12.248	12.248	(1.002)	293981	250.000	270
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.297	12.297	(1.006)	108283	250.000	270
70 Ethylbenzene	106	12.297	12.297	(1.006)	147315	250.000	280
71 m,p-Xylene	106	12.405	12.405	(1.015)	360855	500.000	550
72 m,p-Xylene (part of total)	106	12.405	12.405	(1.015)	360855	500.000	550
73 o-Xylene	106	12.799	12.799	(1.048)	180112	250.000	290
74 o-Xylene (part of total)	106	12.799	12.799	(1.048)	180112	250.000	290
75 Styrene	104	12.809	12.809	(1.048)	297848	250.000	280
76 Bromoform	173	13.055	13.055	(1.068)	86406	250.000	310
78 Isopropyl Benzene	105	13.114	13.114	(1.073)	461626	250.000	290
79 1,1,2,2-Tetrachloroethane	83	13.379	13.379	(0.933)	168072	250.000	300
80 1,2,3-Trichloropropane	110	13.448	13.448	(1.101)	36121	250.000	310
81 Bromobenzene	156	13.478	13.478	(1.103)	124333	250.000	280
82 trans-1,4-dichloro-2-butene	53	13.419	13.419	(1.098)	1239981	1000.00	820
83 n-Propyl Benzene	91	13.487	13.487	(0.941)	600935	250.000	260
84 2-Chlorotoluene	126	13.625	13.625	(0.951)	107743	250.000	270
85 4-Chlorotoluene	126	13.704	13.704	(0.956)	109794	250.000	260
86 1,3,5-Trimethyl Benzene	105	13.615	13.615	(0.950)	374378	250.000	270
88 tert-Butyl Benzene	119	13.920	13.920	(0.971)	346709	250.000	290
1,2,4-Trimethyl Benzene	105	13.960	13.960	(0.974)	384437	250.000	270
sec-Butyl Benzene	105	14.107	14.107	(0.984)	515225	250.000	280
91 1,3-Dichlorobenzene	146	14.284	14.284	(0.997)	216748	250.000	260
92 p-Isopropyl Toluene	119	14.215	14.215	(0.992)	379485	250.000	270
93 1,4-Dichlorobenzene	146	14.353	14.353	(1.001)	226657	250.000	260
94 1,2-Dichlorobenzene	146	14.707	14.707	(1.026)	211863	250.000	280
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.579	14.579	(1.017)	407686	250.000	260
96 1,2-Dibromo-3-Chloropropane	157	15.425	15.425	(1.076)	27058	250.000	350
97 1,2,4-Trichlorobenzene	180	16.262	16.262	(1.135)	132254	250.000	250
98 Hexachlorobutadiene	225	16.380	16.380	(1.143)	72894	250.000	290
99 Naphthalene	128	16.567	16.567	(1.156)	354552	250.000	310
100 1,2,3-Trichlorobenzene	180	16.832	16.832	(1.174)	133412	250.000	280
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				276714	500.000	560
M 102 Xylene (total)	106				540967	750.000	840

COMPUCHEM a division of Liberty Analytical Corp DATE 9/23/05 INITIAL TIME OF TUNE 0936 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2136 LINKER /METHOD 8260B S&W

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) 5ppb

583

PREVENTIVE MAINTENANCE none

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050923A59		—	—	9/23/05	0936	BFB	—	2uL	—	2473	LCD=5CD
2		GS050923A59		—	—	/ /	0959	VSTD050	—	10ml	—		
3		80445A59		—	—	/ /	1042	VBLKBW	VARIOUS	~~100uL~~ 10ml	—		Meth Lot# 44337 M. Level
4		80448A59		—	—	/ /	1123	VBWLCS		10ml	—		Passes EPA Spike
5		80275A59		—	—	/ /	1201	VBLKAH		~~5.0g~~ 10ml	—		
6		80278A59		—	—	/ /	1229	VAHLCS			—		Passes ESIPA.spk
7		80450A59		1	3	/ /	1257	MW-2 MS	7784	5ml	—		
8		80451A59		1	3	/ /	1325	MW-2 MSD			—		
9		776703R2A59	IL SH	ES	—	/ /	1419	PIT4-3	7767	5.0g	—		
10		778205D2A59		—	MeOH Ext	/ /	1447	GB-2091008	7782	100uL	5.75g		
11		GB050923A59	CS	—	—	/ /	1515	VIBLKAB	—	5ml	—		
12		GC050923A59		—	—	/ /	1544	VIBLKAC	—		—		
13		781901A59		—	1	/ /	1624	P-2	7819	5.34	—		
14		781902A59		—	1	/ /	1653	T-3, S-2		5.11	—		
15	✓	80466A59	X	M1	2	/ /	1721	ACSGWMW54R26 MS	7788	5ml	—		
16	✓	80467A59	X	M1	2	/ /	1749	MSD			—		
17		778802A59		1	2	/ /	1817	ACSGWMW5526		5ml	—		
18						/ /							
19						/ /							
20						/ /							
21						/ /							
22						/ /							
23						/ /							
24						/ /							

SUPERVISOR APPROVAL _____ Date 9/24/05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC263

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/27/05 Time: 2236

Lab File ID: GS050927B59 Init. Calib. Date(s): 09/27/05 09/27/05

Init. Calib. Times: 1107 1545

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	0.3126800	0.3062464	0.3062464	0.001	-2.06	25.00	AVRG	
Chloromethane	0.2688800	0.2499328	0.2499328	0.1	-7.05	25.00	AVRG	
Vinyl Chloride	0.2144800	0.2098871	0.2098871	0.001	-2.14	20.00	AVRG	
Bromomethane	0.2376400	0.2625244	0.2625244	0.001	10.47	25.00	AVRG	
Chloroethane	263.81202	250.00000	0.2355448	0.001	5.52	25.00	LINR	
Trichlorofluoromethane	0.3465900	0.3544184	0.3544184	0.001	2.26	25.00	AVRG	
1,1-Dichloroethene	0.2571300	0.2626893	0.2626893	0.001	2.16	20.00	AVRG	
Carbon disulfide	0.9907300	1.0241431	1.0241431	0.001	3.37	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2822700	0.2839401	0.2839401	0.001	0.59	25.00	AVRG	
Acetone	0.0627500	0.0828903	0.0828903	0.001	32.10	25.00	AVRG	<-
Methylene Chloride	0.3137100	0.3344514	0.3344514	0.001	6.61	25.00	AVRG	
rans-1,2-Dichloroethene	0.2981900	0.3080705	0.3080705	0.001	3.31	25.00	AVRG	
thyl-tert-butyl ether	0.5916600	0.7076595	0.7076595	0.001	19.60	25.00	AVRG	
1,1-Dichloroethane	0.5228000	0.5552962	0.5552962	0.1	6.22	25.00	AVRG	
cis-1,2-Dichloroethene	0.3099700	0.3331498	0.3331498	0.001	7.48	25.00	AVRG	
2-butanone	0.1147800	0.1503275	0.1503275	0.001	30.97	25.00	AVRG	<-
Chloroform	0.4668400	0.5034911	0.5034911	0.001	7.85	20.00	AVRG	
1,1,1-Trichloroethane	0.3583600	0.3773741	0.3773741	0.001	5.30	25.00	AVRG	
Carbon Tetrachloride	0.2849700	0.3002385	0.3002385	0.001	5.36	25.00	AVRG	
Benzene	1.0420700	1.1081492	1.1081492	0.001	6.34	25.00	AVRG	
1,2-Dichloroethane	0.3008600	0.3456374	0.3456374	0.001	14.88	25.00	AVRG	
Trichloroethene	0.2514400	0.2661322	0.2661322	0.001	5.84	25.00	AVRG	
1,2-Dichloropropane	0.2874500	0.3155347	0.3155347	0.001	9.77	20.00	AVRG	
Bromodichloromethane	0.3334400	0.3685627	0.3685627	0.001	10.53	25.00	AVRG	
cis-1,3-Dichloropropene	0.4340500	0.4828365	0.4828365	0.001	11.24	25.00	AVRG	
4-Methyl-2-pentanone	0.3676500	0.4930354	0.4930354	0.001	34.10	25.00	AVRG	<-
Toluene	0.9852400	1.0541548	1.0541548	0.001	6.99	20.00	AVRG	
trans-1,3-Dichloropropene	0.5694800	0.6466368	0.6466368	0.001	13.55	25.00	AVRG	
1,1,2-Trichloroethane	0.3313800	0.3928814	0.3928814	0.001	18.56	25.00	AVRG	
Tetrachloroethene	0.2774000	0.2886473	0.2886473	0.001	4.05	25.00	AVRG	
2-hexanone	0.2451000	0.3492238	0.3492238	0.001	42.48	25.00	AVRG	<-
Dibromochloromethane	0.3905400	0.4520191	0.4520191	0.001	15.74	25.00	AVRG	
1,2-Dibromoethane	0.3648700	0.4361469	0.4361469	0.001	19.53	25.00	AVRG	
Chlorobenzene	1.0130500	1.0855668	1.0855668	0.3	7.16	25.00	AVRG	
Ethylbenzene	0.4995000	0.5299780	0.5299780	0.001	6.10	20.00	AVRG	
Styrene	1.0946400	1.1905099	1.1905099	0.001	8.76	25.00	AVRG	
Bromoform	0.2508200	0.3025992	0.3025992	0.1	20.64	25.00	AVRG	
Isopropyl Benzene	284.22957	250.00000	1.5291029	0.001	13.69	25.00	LINR	
1,1,2,2-Tetrachloroethane	1.0608300	1.2564747	1.2564747	0.3	18.44	25.00	AVRG	
1,3-Dichlorobenzene	1.4618200	1.4720496	1.4720496	0.001	0.70	25.00	AVRG	
4-Dichlorobenzene	1.5183800	1.5686810	1.5686810	0.001	3.31	25.00	AVRG	
2,2-Dichlorobenzene	1.3345500	1.4268372	1.4268372	0.001	6.92	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/27/05 Time: 2236

Lab File ID: GS050927B59 Init. Calib. Date(s): 09/27/05 09/27/05

Init. Calib. Times: 1107 1545

GC Column: ZB-624 ID: 0.32 (mm)

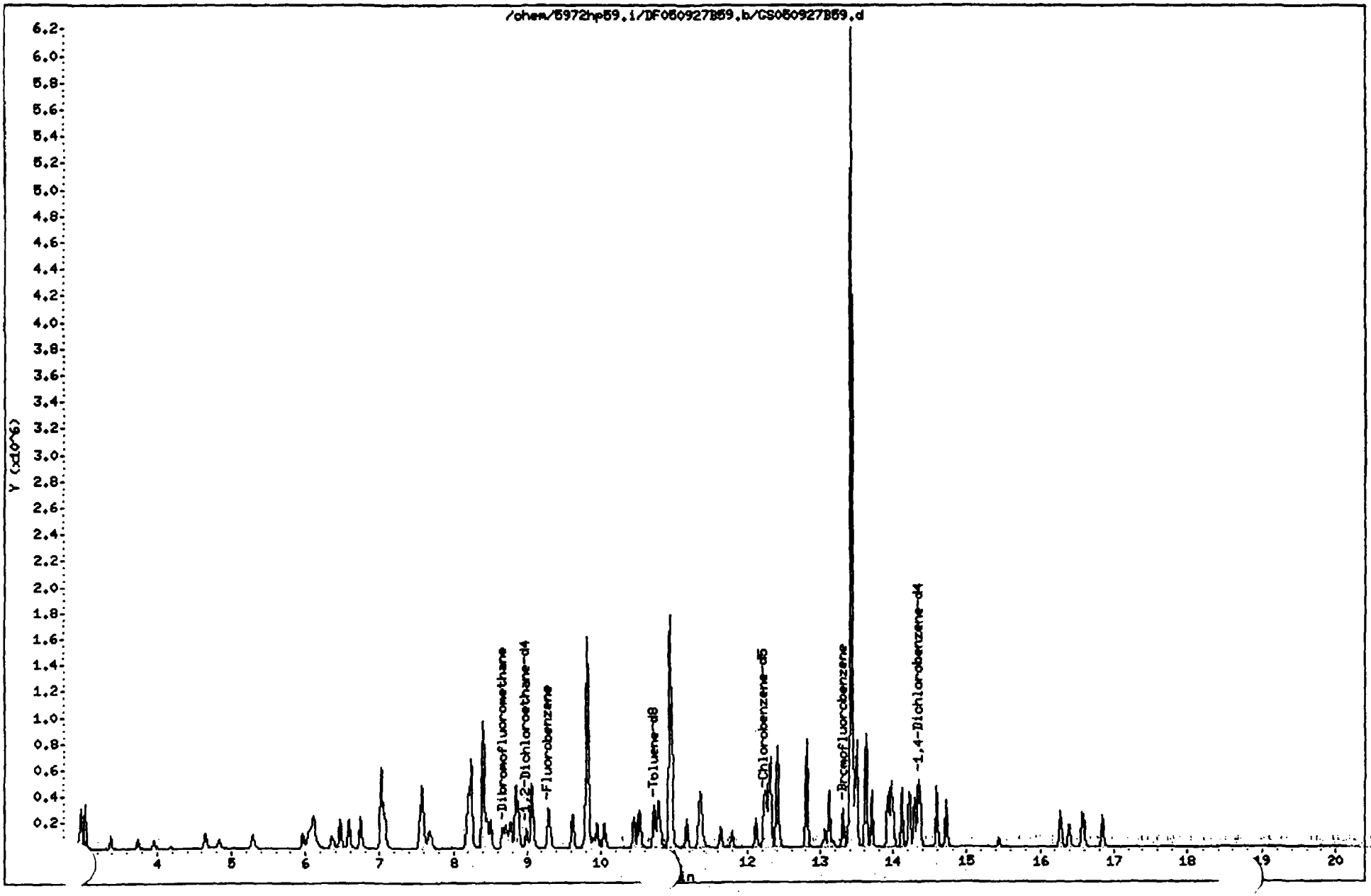
COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromo-3-Chloropropane	0.1507900	0.1951491	0.1951491	0.001	29.42	25.00	AVRG	<-
1,2,4-Trichlorobenzene	0.8744000	0.8940504	0.8940504	0.001	2.25	25.00	AVRG	
Xylene (total)	0.6171600	0.6603699	0.6603699	0.001	7.00	25.00	AVRG	
Methyl acetate	339.25478	250.00000	0.2287860	0.001	35.70	25.00	LINR	<-
Cyclohexane	252.44406	250.00000	0.3761664	0.001	0.98	25.00	LINR	
Methylcyclohexane	259.78126	250.00000	0.3114753	0.001	3.91	25.00	LINR	
Dibromofluoromethane	0.2908600	0.2877432	0.2877432	0.001	-1.07	25.00	AVRG	
1,2-Dichloroethane-d4	0.2619300	0.2602283	0.2602283	0.001	-0.65	25.00	AVRG	
Toluene-d8	1.4274400	1.3905764	1.3905764	0.001	-2.58	25.00	AVRG	
Bromofluorobenzene	1.1599300	1.0713612	1.0713612	0.001	-7.64	25.00	AVRG	

Data File: /chem/5972hp59.i/DF050927B59.b/CS050927B59.d
Date : 27-SEP-2005 22:36
Client ID: VSTD050
Sample Info: VSTD050;2481

Instrument: 5972hp59.i

Operator: 2481
Column diameter: 0.32

Column phase: ZB-624



Data File: /chem/5972hp59.i/DF050927B59.b/GS050927B59.d
Report Date: 28-Sep-2005 05:51

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/GS050927B59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 27-SEP-2005 22:36
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : VSTD050:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/Ws)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Weight of sample extracted (g)
Va	100.00000	Aliquot Volume of Sample
M	0.00000	% Moisture (not decanted)

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	9.290	9.290	(1.000)	394150	250.000	
* 2 Chlorobenzene-d5	117	12.226	12.226	(1.000)	246848	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.333	14.333	(1.000)	124059	250.000	
$ 4 Dibromofluoromethane	113	8.660	8.660	(0.932)	113414	250.000	250
$ 5 1,2-Dichloroethane-d4	65	8.995	8.995	(0.968)	102569	250.000	250
$ 6 Toluene-d8	98	10.728	10.728	(0.878)	343261	250.000	240
$ 7 Bromofluorobenzene	95	13.309	13.309	(0.929)	132912	250.000	230
8 Dichlorodifluoromethane	85	3.381	3.381	(0.364)	120707	250.000	240
9 Chloromethane	50	3.735	3.735	(0.402)	98511	250.000	230
10 Vinyl Chloride	62	3.952	3.952	(0.425)	82727	250.000	240
11 Bromomethane	94	4.641	4.641	(0.500)	103474	250.000	280
12 Chloroethane	64	4.828	4.828	(0.520)	92840	250.000	260
13 Trichlorofluoromethane	101	5.291	5.291	(0.570)	139694	250.000	260
14 Acrolein	56	5.961	5.961	(0.642)	149204	2500.00	3000

Data File: /chem/5972hp59.i/DF050927B59.b/GS050927B59.d
Report Date: 28-Sep-2005 05:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
15 1,1-Dichloroethene	96	6.109	6.109	(0.658)	103539	250.000	260
16 1,1,1-trichloro-2,2,2-trifluo	117	6.050	6.050	(0.651)	43859	250.000	260
17 Acetone	43	6.158	6.158	(0.663)	81678	625.000	830
18 Iodomethane	142	6.355	6.355	(0.684)	151224	250.000	260
19 1,1,2-trichloro-1,2,2-trifluo	101	6.079	6.079	(0.654)	111915	250.000	250
20 Carbon disulfide	76	6.463	6.463	(0.696)	403666	250.000	260
21 3-Chloropropene	76	6.582	6.582	(0.708)	61247	250.000	250
22 Acetonitrile	41	6.582	6.582	(0.708)	169700	250.000	250
23 Methyl acetate	43	6.572	6.572	(0.707)	90176	250.000	340
24 Methylene Chloride	84	6.739	6.739	(0.725)	131824	250.000	270
25 Acrylonitrile	53	7.015	7.015	(0.755)	469678	2500.00	3200
26 trans-1,2-Dichloroethene	96	7.074	7.074	(0.761)	121426	250.000	260
27 trans-1,2-DCE (part of total)	96	7.074	7.074	(0.761)	121426	250.000	260
28 Methyl-tert-butyl ether	73	7.025	7.025	(0.756)	278924	250.000	300
29 1,1-Dichloroethane	63	7.567	7.567	(0.814)	218870	250.000	270
30 Chloroprene	53	7.675	7.675	(0.826)	137868	250.000	240
31 Vinyl acetate	43	7.567	7.567	(0.814)	420731	250.000	300
32 Isopropyl ether	45	7.567	7.567	(0.814)	420620	250.000	280
33 cis-1,2-Dichloroethene	96	8.197	8.197	(0.882)	131311	250.000	270
34 cis-1,2-DCE (part of total)	96	8.197	8.197	(0.882)	131311	250.000	270
35 2,2-Dichloropropane	77	8.207	8.207	(0.883)	145475	250.000	250
36 Propionitrile	54	8.236	8.236	(0.887)	784902	12500.0	16000
37 2-butanone	43	8.167	8.167	(0.879)	148129	625.000	820
38 Methacrylonitrile	41	8.394	8.394	(0.904)	634217	2500.00	3100
39 Bromochloromethane	128	8.453	8.453	(0.910)	59248	250.000	290
40 Chloroform	83	8.502	8.502	(0.915)	198451	250.000	270
41 1,1,1-Trichloroethane	97	8.709	8.709	(0.937)	148742	250.000	260
42 Cyclohexane	56	8.778	8.778	(0.945)	148266	250.000	250
43 1,1-dichloropropene	75	8.857	8.857	(0.953)	144304	250.000	260
44 Carbon Tetrachloride	117	8.877	8.877	(0.955)	118339	250.000	260
45 1,2-Dichloroethane	62	9.064	9.064	(0.976)	136233	250.000	290
46 Isobutyl alcohol	43	8.847	8.847	(0.952)	263445	12500.0	19000
47 Benzene	78	9.064	9.064	(0.976)	436777	250.000	270
48 Trichloroethene	130	9.625	9.625	(1.036)	104896	250.000	260
49 Methylcyclohexane	83	9.803	9.803	(1.055)	122768	250.000	260
50 1,2-Dichloropropane	63	9.822	9.822	(1.057)	124368	250.000	270
51 Dibromomethane	174	9.950	9.950	(1.071)	71020	250.000	300
52 1,4-dioxane	88	9.911	9.911	(1.067)	59936	12500.0	18000
53 Methylmethacrylate	69	9.822	9.822	(1.057)	789552	2500.00	3200
54 Bromodichloromethane	83	10.059	10.059	(1.083)	145269	250.000	280
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.453	10.453	(1.125)	190310	250.000	280
57 4-Methyl-2-pentanone	43	10.522	10.522	(0.861)	304262	625.000	840
58 Toluene	92	10.797	10.797	(0.883)	260216	250.000	270
59 trans-1,3-Dichloropropene	75	10.955	10.955	(0.896)	159621	250.000	280
60 1,1,2-Trichloroethane	97	11.172	11.172	(0.914)	96982	250.000	300
61 Ethylmethacrylate	69	10.945	10.945	(0.895)	1415222	2500.00	3100

Data File: /chem/5972hp59.i/DF050927B59.b/GS050927B59.d
Report Date: 28-Sep-2005 05:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.359	11.359	(0.929)	168011	250.000	290
63 Tetrachloroethene	164	11.369	11.369	(0.930)	71252	250.000	260
64 2-hexanone	43	11.339	11.339	(0.927)	215513	625.000	890
65 Dibromochloromethane	129	11.635	11.635	(0.952)	111580	250.000	290
66 1,2-Dibromoethane	107	11.792	11.792	(0.965)	107662	250.000	300
67 Chlorobenzene	112	12.255	12.255	(1.002)	267970	250.000	270
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.304	12.304	(1.006)	93579	250.000	280
70 Ethylbenzene	106	12.304	12.304	(1.006)	130824	250.000	270
71 m,p-Xylene	106	12.413	12.413	(1.015)	328114	500.000	530
72 m,p-Xylene (part of total)	106	12.413	12.413	(1.015)	328114	500.000	530
73 o-Xylene	106	12.807	12.807	(1.048)	160919	250.000	270
74 o-Xylene (part of total)	106	12.807	12.807	(1.048)	160919	250.000	270
75 Styrene	104	12.816	12.816	(1.048)	293875	250.000	270
76 Bromoform	173	13.053	13.053	(1.068)	74696	250.000	300
78 Isopropyl Benzene	105	13.122	13.122	(1.073)	377456	250.000	280
79 1,1,2,2-Tetrachloroethane	83	13.378	13.378	(0.933)	155877	250.000	300
80 1,2,3-Trichloropropane	110	13.457	13.457	(1.101)	32951	250.000	320
81 Bromobenzene	156	13.486	13.486	(1.103)	106592	250.000	280
82 trans-1,4-dichloro-2-butene	53	13.417	13.417	(1.097)	1447952	1000.00	1200
83 n-Propyl Benzene	91	13.486	13.486	(0.941)	494417	250.000	270
84 2-Chlorotoluene	126	13.624	13.624	(0.951)	91771	250.000	260
85 4-Chlorotoluene	126	13.713	13.713	(0.957)	92739	250.000	250
86 1,3,5-Trimethyl Benzene	105	13.624	13.624	(0.951)	310555	250.000	250
87 Pentachloroethane	167	13.998	13.998	(0.977)	58776	250.000	260
88 tert-Butyl Benzene	119	13.929	13.929	(0.972)	264342	250.000	280
89 1,2,4-Trimethyl Benzene	105	13.969	13.969	(0.975)	324690	250.000	250
90 sec-Butyl Benzene	105	14.117	14.117	(0.985)	398461	250.000	270
91 1,3-Dichlorobenzene	146	14.284	14.284	(0.997)	182621	250.000	250
92 p-Isopropyl Toluene	119	14.215	14.215	(0.992)	294514	250.000	270
93 1,4-Dichlorobenzene	146	14.363	14.363	(1.002)	194609	250.000	260
94 1,2-Dichlorobenzene	146	14.717	14.717	(1.027)	177012	250.000	270
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.589	14.589	(1.018)	330861	250.000	260
96 1,2-Dibromo-3-Chloropropane	157	15.436	15.436	(1.077)	24210	250.000	320
97 1,2,4-Trichlorobenzene	180	16.274	16.274	(1.135)	110915	250.000	260
98 Hexachlorobutadiene	225	16.392	16.392	(1.144)	46470	250.000	260
99 Naphthalene	128	16.569	16.569	(1.156)	297457	250.000	300
100 1,2,3-Trichlorobenzene	180	16.845	16.845	(1.175)	106121	250.000	270
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				252737	500.000	530
M 102 Xylene (total)	106				489033	750.000	800

590

COMPUCHEM a division of Liberty Analytical Corp DATE 9/27/05 INITIAL TIME OF TUNE 22:25 SHIFT/S(A)____ (B) X (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 10:25 LINKER /METHOD W8260

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59)

PREVENTIVE MAINTENANCE None

1		BF050927B59	/	—	—	9/27/05	2225	BFB		—	2ml	✓	2481	LCD-SLS
2		GS050927B59	/	—	—	/ /	2236	VSID050		—	10ml	—		
3		80875B59	/	—	—	/ /	2321	VBXLCS		Various	5ml			
4		80878B59	/	—	—	/ /	2358	VCSLCS		↓				Passed EPA Spike
5		778805	/			9/28/05	0039	ACSGWMW1426		7788				
6		06	/			/ /	0107	ACSGWMW2926						
7		07	/			/ /	0135	ACSGWMW9R26						
8		80881	/			/ /	0203	ACSGWMW9R26MS						
9		80882	/			/ /	0231	ACSGWMW9R26MSD						
10		778808	/			/ /	0824	ACSGWMW01926						Archon stopped
11	/	09	DI			/ /	0853	ACSGWMW06426						Benzene 1123ug
12	/	10	CS			/ /	0921	ACSGWDUP6326						
13	/	11	CS			/ /	0949	ACSGWMW48-26						
14	/	12	CS			/ /	1017	ACSGWMW4926						
15	/	13	OT			/ /	—	ACSGWMW10C26						Did not run
16	/	H				/ /	—	ACSGWMW05626		—	600ml	8.3		
17						/ /								
18						/ /								
19						/ /								
20						/ /								
21						/ /								
22						/ /								
23						/ /								
24						/ /								

9-28-05

SUPERVISOR APPROVAL [signature] Date 9-28-05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 13570

Calibration Group Code / Lot No. DZ764

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/28/05 Time: 1113

Lab File ID: GS050928A59 Init. Calib. Date(s): 09/27/05 09/27/05

Init. Calib. Times: 1107 1545

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	0.3126800	0.3554024	0.3554024	0.001	13.66	25.00	AVRG	
Chloromethane	0.2688800	0.3027572	0.3027572	0.1	12.60	25.00	AVRG	
Vinyl Chloride	0.2144800	0.2527116	0.2527116	0.001	17.82	20.00	AVRG	
Bromomethane	0.2376400	0.2101958	0.2101958	0.001	-11.55	25.00	AVRG	
Chloroethane	291.58080	250.00000	0.2616097	0.001	16.63	25.00	LINR	
Trichlorofluoromethane	0.3465900	0.3926347	0.3926347	0.001	13.28	25.00	AVRG	
1,1-Dichloroethene	0.2571300	0.2800387	0.2800387	0.001	8.91	20.00	AVRG	
Carbon disulfide	0.9907300	1.1049081	1.1049081	0.001	11.52	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.2822700	0.3151539	0.3151539	0.001	11.65	25.00	AVRG	
Acetone	0.0627500	0.0823646	0.0823646	0.001	31.26	25.00	AVRG	<-
Methylene Chloride	0.3137100	0.3426049	0.3426049	0.001	9.21	25.00	AVRG	
trans-1,2-Dichloroethene	0.2981900	0.3251884	0.3251884	0.001	9.05	25.00	AVRG	
Methyl-tert-butyl ether	0.5916600	0.7329433	0.7329433	0.001	23.88	25.00	AVRG	
1,1-Dichloroethane	0.5228000	0.5991948	0.5991948	0.1	14.61	25.00	AVRG	
cis-1,2-Dichloroethene	0.3099700	0.3433036	0.3433036	0.001	10.75	25.00	AVRG	
2-butanone	0.1147800	0.1640100	0.1640100	0.001	42.89	25.00	AVRG	<-
Chloroform	0.4668400	0.5285399	0.5285399	0.001	13.22	20.00	AVRG	
1,1,1-Trichloroethane	0.3583600	0.3997163	0.3997163	0.001	11.54	25.00	AVRG	
Carbon Tetrachloride	0.2849700	0.3179539	0.3179539	0.001	11.57	25.00	AVRG	
Benzene	1.0420700	1.1658318	1.1658318	0.001	11.88	25.00	AVRG	
1,2-Dichloroethane	0.3008600	0.3682842	0.3682842	0.001	22.41	25.00	AVRG	
Trichloroethene	0.2514400	0.2756622	0.2756622	0.001	9.63	25.00	AVRG	
1,2-Dichloropropane	0.2874500	0.3379357	0.3379357	0.001	17.56	20.00	AVRG	
Bromodichloromethane	0.3334400	0.3812900	0.3812900	0.001	14.35	25.00	AVRG	
cis-1,3-Dichloropropene	0.4340500	0.5083365	0.5083365	0.001	17.11	25.00	AVRG	
4-Methyl-2-pentanone	0.3676500	0.5291348	0.5291348	0.001	43.92	25.00	AVRG	<-
Toluene	0.9852400	1.0866813	1.0866813	0.001	10.30	20.00	AVRG	
trans-1,3-Dichloropropene	0.5694800	0.6777351	0.6777351	0.001	19.01	25.00	AVRG	
1,1,2-Trichloroethane	0.3313800	0.4023001	0.4023001	0.001	21.40	25.00	AVRG	
Tetrachloroethene	0.2774000	0.3010478	0.3010478	0.001	8.52	25.00	AVRG	
2-hexanone	0.2451000	0.3936517	0.3936517	0.001	60.61	25.00	AVRG	<-
Dibromochloromethane	0.3905400	0.4505727	0.4505727	0.001	15.37	25.00	AVRG	
1,2-Dibromoethane	0.3648700	0.4428834	0.4428834	0.001	21.38	25.00	AVRG	
Chlorobenzene	1.0130500	1.1002806	1.1002806	0.3	8.61	25.00	AVRG	
Ethylbenzene	0.4995000	0.5539786	0.5539786	0.001	10.91	20.00	AVRG	
Styrene	1.0946400	1.2157757	1.2157757	0.001	11.07	25.00	AVRG	
Bromoform	0.2508200	0.2939558	0.2939558	0.1	17.20	25.00	AVRG	
Isopropyl Benzene	301.35182	250.00000	1.6179285	0.001	20.54	25.00	LINR	
1,1,2,2-Tetrachloroethane	1.0608300	1.3206029	1.3206029	0.3	24.49	25.00	AVRG	
1,3-Dichlorobenzene	1.4618200	1.5708783	1.5708783	0.001	7.46	25.00	AVRG	
1,4-Dichlorobenzene	1.5183800	1.6682437	1.6682437	0.001	9.87	25.00	AVRG	
1,2-Dichlorobenzene	1.3345500	1.5007814	1.5007814	0.001	12.46	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/28/05 Time: 1113

Lab File ID: GS050928A59 Init. Calib. Date(s): 09/27/05 09/27/05

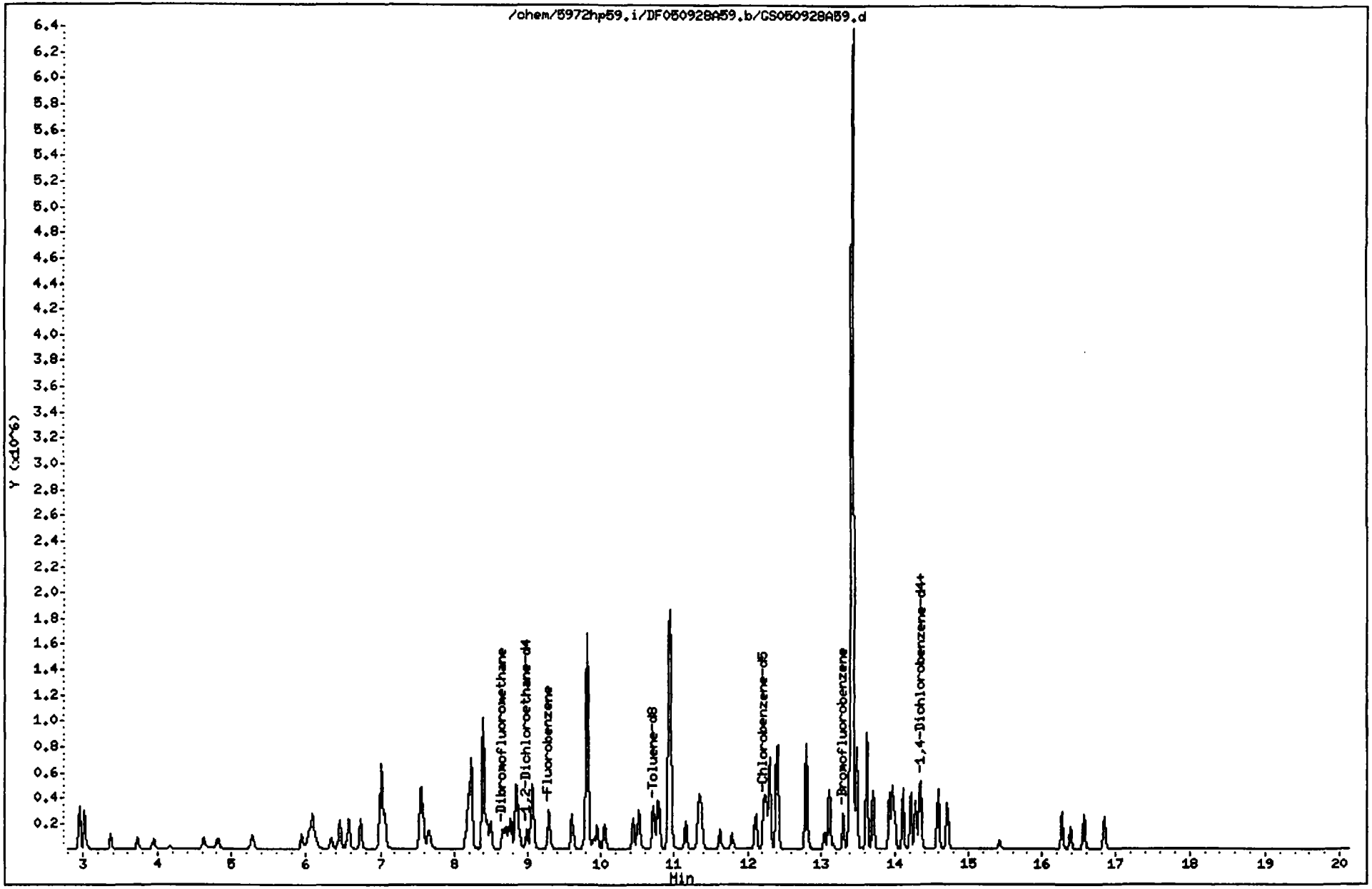
Init. Calib. Times: 1107 1545

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	0.1507900	0.1878048	0.1878048	0.001	24.55	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8744000	0.9721252	0.9721252	0.001	11.18	25.00	AVRG	
Xylene (total)	0.6171600	0.6892999	0.6892999	0.001	11.69	25.00	AVRG	
Methyl acetate	375.16939	250.00000	0.2520103	0.001	50.07	25.00	LINR	<-
Cyclohexane	337.31865	250.00000	0.4987266	0.001	34.93	25.00	LINR	<-
Methylcyclohexane	311.45288	250.00000	0.3718250	0.001	24.58	25.00	LINR	
Dibromofluoromethane	0.2908600	0.2876291	0.2876291	0.001	-1.11	25.00	AVRG	
1,2-Dichloroethane-d4	0.2619300	0.2786756	0.2786756	0.001	6.39	25.00	AVRG	
Toluene-d8	1.4274400	1.3900342	1.3900342	0.001	-2.62	25.00	AVRG	
Bromofluorobenzene	1.1599300	1.1050515	1.1050515	0.001	-4.73	25.00	AVRG	

Data File: /chem/5972hp59.i/DF050928A59.b/CS050928A59.d
Date : 28-SEP-2005 11:13
Client ID: VSTD050
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/GS050928A59.d
Report Date: 29-Sep-2005 00:05

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/GS050928A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 28-SEP-2005 11:13
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 7 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	9.284	9.284	(1.000)	379294	250.000	
* 2 Chlorobenzene-d5	117	12.219	12.219	(1.000)	237733	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	117095	250.000	
$ 4 Dibromofluoromethane	113	8.653	8.653	(0.932)	109096	250.000	250
$ 5 1,2-Dichloroethane-d4	65	8.988	8.988	(0.968)	105700	250.000	270
$ 6 Toluene-d8	98	10.712	10.712	(0.877)	330457	250.000	240
$ 7 Bromofluorobenzene	95	13.302	13.302	(0.928)	129396	250.000	240
8 Dichlorodifluoromethane	85	3.374	3.374	(0.363)	134802	250.000	280
9 Chloromethane	50	3.729	3.729	(0.402)	114834	250.000	280
10 Vinyl Chloride	62	3.945	3.945	(0.425)	95852	250.000	290
11 Bromomethane	94	4.625	4.625	(0.498)	79726	250.000	220
12 Chloroethane	64	4.812	4.812	(0.518)	99227	250.000	290
13 Trichlorofluoromethane	101	5.275	5.275	(0.568)	148924	250.000	280
14 Acrolein	56	5.945	5.945	(0.640)	145886	2500.00	3100
15 1,1-Dichloroethene	96	6.102	6.102	(0.657)	106217	250.000	270
16 1,1,1-trichloro-2,2,2-trifluo	117	6.033	6.033	(0.650)	45457	250.000	280

9-29-05

Data File: /chem/5972hp59.i/DF050928A59.b/GS050928A59.d
Report Date: 29-Sep-2005 00:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.142	6.142	(0.662)	78101	625.000	820
18 Iodomethane	142	6.339	6.339	(0.683)	128023	250.000	240
19 1,1,2-trichloro-1,2,2-trifluo	101	6.063	6.063	(0.653)	119536	250.000	280
20 Carbon disulfide	76	6.447	6.447	(0.694)	419085	250.000	280
21 3-Chloropropene	76	6.575	6.575	(0.708)	64511	250.000	280
22 Acetonitrile	41	6.575	6.575	(0.708)	190201	250.000	290
23 Methyl acetate	43	6.565	6.565	(0.707)	95586	250.000	380
24 Methylene Chloride	84	6.733	6.733	(0.725)	129948	250.000	270
25 Acrylonitrile	53	7.009	7.009	(0.755)	493061	2500.00	3500
26 trans-1,2-Dichloroethene	96	7.058	7.058	(0.760)	123342	250.000	270
27 trans-1,2-DCE (part of total)	96	7.058	7.058	(0.760)	123342	250.000	270
169 Isopropanol	45	Compound Not Detected.					
28 Methyl-tert-butyl ether	73	7.009	7.009	(0.755)	278001	250.000	310
168 tert-butyl-alcohol	59	Compound Not Detected.					
29 1,1-Dichloroethane	63	7.560	7.560	(0.814)	227271	250.000	290
30 Chloroprene	53	7.659	7.659	(0.825)	149893	250.000	270
31 Vinyl acetate	43	7.560	7.560	(0.814)	433706	250.000	320
32 Isopropyl ether	45	7.550	7.550	(0.813)	439241	250.000	300
33 cis-1,2-Dichloroethene	96	8.190	8.190	(0.882)	130213	250.000	280
34 cis-1,2-DCE (part of total)	96	8.190	8.190	(0.882)	130213	250.000	280
35 2,2-Dichloropropane	77	8.190	8.190	(0.882)	155466	250.000	280
36 Propionitrile	54	8.230	8.230	(0.886)	817994	12500.0	18000
37 2-butanone	43	8.161	8.161	(0.879)	155520	625.000	890
38 Methacrylonitrile	41	8.387	8.387	(0.903)	684560	2500.00	3500
39 Bromochloromethane	128	8.447	8.447	(0.910)	56978	250.000	290
40 Chloroform	83	8.496	8.496	(0.915)	200472	250.000	280
41 1,1,1-Trichloroethane	97	8.703	8.703	(0.937)	151610	250.000	280
42 Cyclohexane	56	8.762	8.762	(0.944)	189164	250.000	340
43 1,1-dichloropropene	75	8.850	8.850	(0.953)	149731	250.000	280
44 Carbon Tetrachloride	117	8.870	8.870	(0.955)	120598	250.000	280
45 1,2-Dichloroethane	62	9.057	9.057	(0.976)	139688	250.000	310
46 Isobutyl alcohol	43	8.841	8.841	(0.952)	255667	12500.0	19000
47 Benzene	78	9.057	9.057	(0.976)	442193	250.000	280
48 Trichloroethene	130	9.609	9.609	(1.035)	104557	250.000	270
49 Methylcyclohexane	83	9.796	9.796	(1.055)	141031	250.000	310
50 1,2-Dichloropropane	63	9.816	9.816	(1.057)	128177	250.000	290
51 Dibromomethane	174	9.944	9.944	(1.071)	66622	250.000	300
52 1,4-dioxane	88	9.904	9.904	(1.067)	58945	12500.0	18000
53 Methylmethacrylate	69	9.816	9.816	(1.057)	807040	2500.00	3400
54 Bromodichloromethane	83	10.052	10.052	(1.083)	144621	250.000	290
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.436	10.436	(1.124)	192809	250.000	290
57 4-Methyl-2-pentanone	43	10.515	10.515	(0.861)	314482	625.000	900
58 Toluene	92	10.791	10.791	(0.883)	258340	250.000	280
59 trans-1,3-Dichloropropene	75	10.948	10.948	(0.896)	161120	250.000	300
60 1,1,2-Trichloroethane	97	11.165	11.165	(0.914)	95640	250.000	300
61 Ethylmethacrylate	69	10.939	10.939	(0.895)	1447176	2500.00	3300

Data File: /chem/5972hp59.i/DF050928A59.b/GS050928A59.d
Report Date: 29-Sep-2005 00:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
62 1,3-Dichloropropane	76	11.352	11.352	(0.929)	169405	250.000	310
63 Tetrachloroethene	164	11.362	11.362	(0.930)	71569	250.000	270
64 2-hexanone	43	11.323	11.323	(0.927)	233960	625.000	1000
65 Dibromochloromethane	129	11.628	11.628	(0.952)	107116	250.000	290
66 1,2-Dibromoethane	107	11.786	11.786	(0.965)	105288	250.000	300
67 Chlorobenzene	112	12.248	12.248	(1.002)	261573	250.000	270
68 1-Chlorohexane	55	Compound Not Detected.					
69 1,1,1,2-Tetrachloroethane	131	12.298	12.298	(1.006)	90672	250.000	280
70 Ethylbenzene	106	12.298	12.298	(1.006)	131699	250.000	280
71 m,p-Xylene	106	12.406	12.406	(1.015)	332897	500.000	560
72 m,p-Xylene (part of total)	106	12.406	12.406	(1.015)	332897	500.000	560
73 o-Xylene	106	12.800	12.800	(1.048)	158711	250.000	280
74 o-Xylene (part of total)	106	12.800	12.800	(1.048)	158711	250.000	280
75 Styrene	104	12.810	12.810	(1.048)	289030	250.000	280
76 Bromoform	173	13.056	13.056	(1.069)	69883	250.000	290
77 cis-1,4-dichloro-2-butene	75	Compound Not Detected.					
78 Isopropyl Benzene	105	13.115	13.115	(1.073)	384635	250.000	300
79 1,1,2,2-Tetrachloroethane	83	13.381	13.381	(0.933)	154636	250.000	310
80 1,2,3-Trichloropropane	110	13.450	13.450	(1.101)	31779	250.000	320
81 Bromobenzene	156	13.480	13.480	(1.103)	102111	250.000	280
82 trans-1,4-dichloro-2-butene	53	13.421	13.421	(1.098)	1530203	1000.00	1400
83 n-Propyl Benzene	91	13.490	13.490	(0.941)	523086	250.000	300
84 2-Chlorotoluene	126	13.627	13.627	(0.951)	90230	250.000	270
4-Chlorotoluene	126	13.706	13.706	(0.956)	93943	250.000	270
86 1,3,5-Trimethyl Benzene	105	13.618	13.618	(0.950)	319056	250.000	270
87 Pentachloroethane	167	13.992	13.992	(0.976)	57485	250.000	270
88 tert-Butyl Benzene	119	13.923	13.923	(0.971)	264465	250.000	290
89 1,2,4-Trimethyl Benzene	105	13.962	13.962	(0.974)	330537	250.000	270
90 sec-Butyl Benzene	105	14.110	14.110	(0.984)	413445	250.000	300
91 1,3-Dichlorobenzene	146	14.287	14.287	(0.997)	183942	250.000	270
92 p-Isopropyl Toluene	119	14.218	14.218	(0.992)	301238	250.000	290
93 1,4-Dichlorobenzene	146	14.356	14.356	(1.001)	195343	250.000	270
94 1,2-Dichlorobenzene	146	14.711	14.711	(1.026)	175734	250.000	280
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.583	14.583	(1.017)	353930	250.000	300
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.440	(1.077)	21991	250.000	310
97 1,2,4-Trichlorobenzene	180	16.267	16.267	(1.135)	113831	250.000	280
98 Hexachlorobutadiene	225	16.385	16.385	(1.143)	44223	250.000	260
99 Naphthalene	128	16.572	16.572	(1.156)	292350	250.000	320
100 1,2,3-Trichlorobenzene	180	16.838	16.838	(1.175)	105463	250.000	290
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				253555	500.000	550
M 102 Xylene (total)	106				491608	750.000	840

597

COMPUCHEM a division of Liberty Analytical Corp DATE 9/28/05 INITIAL TIME OF TUNE 1048 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2248 LINKER /METHOD 8260B W & S

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) 5ppb

PREVENTIVE MAINTENANCE none

		FILE NAME		pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		B050928A59		—	—	9/28/05	1048	BFB	—	2uL	—	2473	LCD=SCD
2		GS050928A59		—	—	/ /	1113	VSTD050	—	10ml	—		
3		80876A59		—	—	/ /	1153	VBLKCT	VARIOUS	100uL 10ml	—		MeOH Lot # M. Laval 44337
4		80879A59		—	—	/ /	1221	VCTLCS		10ml	—		Passes EPA Spike
5		81200A59		—	—	/ /	1249	VBLKEK		5.0g 10ml	—		
6		778813A59	DI	1	1	/ /	1317	ACSGWMW10C26	7788	5ml	—		Benzene 1637ng
7		778814A59	DW/CS DI	1	1	/ /	1346	5626		600uL	8.33		Benzene 1962ng
8		778815A59		1	1	/ /	1414	ACSGWTB0326		5ml	—		
9		778809DA59		1	2	/ /	1446	ACSGW MW0626		2.5ml	2		
10		778810RA59	DI	1	2	/ /	1515	DUP0326		5ml	—		Benzene 1153ng
11		778816A59		1	1	/ /	1543	EB0326			—		
12		778811RA59		1	2	/ /	1611	MW48-26			—		
13		778817A59		1	1	/ /	1703	EB0226			—		
14		778812RA59		1	2	/ /	1731	MW4926			—		
15		784602A59		1	1	/ /	1800	D18551	7846	5ml	1		
16		778813DA59		1	2	/ /	1828	ACSGW MW~~5626~~ 10C26	7788	1.7ml	2.94		
17		778814DA59	DW	1	2	/ /	1856	MW5626		200uL	25		
18		778810DA59		1	3	/ /	1924	DUP0326		3ml	1.67		
19		784603A59		1	1	/ /	1952	D18552	7846	5ml	1		
20		~~784801A59~~	OT	—	—	/ /	—	—	—	~~100uL~~			not run
21		81292A59	Pc	—	—	/ /	1820	VCTLCSD	—	5ml	—	2473	
22		784801A59		—	MeOH Ext.	/ /	2049	S050926CA01	7848	100uL	—		M. Laval analyte >CRQL
23						/ /							
24						/ /							9/28/05

SUPERVISOR APPROVAL [signature] Date 9-28-05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC264

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/29/05 Time: 0955

Lab File ID: GS050929A59 Init. Calib. Date(s): 09/28/05 09/29/05

Init. Calib. Times: 2139 0104

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	0.3482400	0.3298160	0.3298160	0.001	-5.29	25.00	AVRG	
Chloromethane	0.2506800	0.2377474	0.2377474	0.1	-5.16	25.00	AVRG	
Vinyl Chloride	0.2048600	0.2009856	0.2009856	0.001	-1.89	20.00	AVRG	
Bromomethane	0.1980600	0.2984841	0.2984841	0.001	50.70	25.00	AVRG	<-
Chloroethane	264.28171	250.00000	0.2361602	0.001	5.71	25.00	LINR	
Trichlorofluoromethane	0.3744600	0.3696588	0.3696588	0.001	-1.28	25.00	AVRG	
1,1-Dichloroethene	0.2723900	0.2564932	0.2564932	0.001	-5.84	20.00	AVRG	
Carbon disulfide	1.0575600	1.0257538	1.0257538	0.001	-3.01	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	0.3382500	0.2891432	0.2891432	0.001	-14.52	25.00	AVRG	
Acetone	0.0792100	0.0800148	0.0800148	0.001	1.02	25.00	AVRG	
Methylene Chloride	0.3357900	0.3330315	0.3330315	0.001	-0.82	25.00	AVRG	
trans-1,2-Dichloroethene	0.3037500	0.3024591	0.3024591	0.001	-0.42	25.00	AVRG	
thyl-tert-butyl ether	0.6973700	0.6932604	0.6932604	0.001	-0.59	25.00	AVRG	
1-Dichloroethane	0.5548900	0.5542316	0.5542316	0.1	-0.12	25.00	AVRG	
cis-1,2-Dichloroethene	0.3267100	0.3213668	0.3213668	0.001	-1.64	25.00	AVRG	
2-butanone	0.1404700	0.1434411	0.1434411	0.001	2.12	25.00	AVRG	
Chloroform	0.5190300	0.5125804	0.5125804	0.001	-1.24	20.00	AVRG	
1,1,1-Trichloroethane	0.3960900	0.3798367	0.3798367	0.001	-4.10	25.00	AVRG	
Carbon Tetrachloride	0.3165700	0.3005662	0.3005662	0.001	-5.06	25.00	AVRG	
Benzene	1.1173400	1.1107232	1.1107232	0.001	-0.59	25.00	AVRG	
1,2-Dichloroethane	0.3475300	0.3376952	0.3376952	0.001	-2.83	25.00	AVRG	
Trichloroethene	0.2696800	0.2714259	0.2714259	0.001	0.65	25.00	AVRG	
1,2-Dichloropropane	0.3104400	0.2992322	0.2992322	0.001	-3.61	20.00	AVRG	
Bromodichloromethane	0.3661900	0.3708538	0.3708538	0.001	1.27	25.00	AVRG	
cis-1,3-Dichloropropene	0.4743200	0.4635472	0.4635472	0.001	-2.27	25.00	AVRG	
4-Methyl-2-pentanone	0.4712400	0.4600391	0.4600391	0.001	-2.38	25.00	AVRG	
Toluene	1.0715900	1.0289165	1.0289165	0.001	-3.98	20.00	AVRG	
trans-1,3-Dichloropropene	0.6340500	0.5982488	0.5982488	0.001	-5.65	25.00	AVRG	
1,1,2-Trichloroethane	0.3832400	0.3789242	0.3789242	0.001	-1.13	25.00	AVRG	
Tetrachloroethene	0.3050500	0.2839968	0.2839968	0.001	-6.90	25.00	AVRG	
2-hexanone	0.3324800	0.3371039	0.3371039	0.001	1.39	25.00	AVRG	
Dibromochloromethane	0.4390600	0.4431681	0.4431681	0.001	0.94	25.00	AVRG	
1,2-Dibromoethane	0.4064000	0.4144087	0.4144087	0.001	1.97	25.00	AVRG	
Chlorobenzene	1.0653700	1.0182580	1.0182580	0.3	-4.42	25.00	AVRG	
Ethylbenzene	0.5379200	0.4985347	0.4985347	0.001	-7.32	20.00	AVRG	
Styrene	1.1500800	1.1105297	1.1105297	0.001	-3.44	25.00	AVRG	
Bromoform	0.2792600	0.3009913	0.3009913	0.1	7.78	25.00	AVRG	
Isopropyl Benzene	1.6486500	1.5047492	1.5047492	0.001	-8.73	25.00	AVRG	
1,1,2,2-Tetrachloroethane	1.2451800	1.2508830	1.2508830	0.3	0.46	25.00	AVRG	
1,3-Dichlorobenzene	1.5891700	1.4395017	1.4395017	0.001	-9.42	25.00	AVRG	
4-Dichlorobenzene	1.6566400	1.5157943	1.5157943	0.001	-8.50	25.00	AVRG	
2-Dichlorobenzene	1.4748200	1.4014368	1.4014368	0.001	-4.98	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5972HP59 Calibration Date: 09/29/05 Time: 0955

Lab File ID: GS050929A59 Init. Calib. Date(s): 09/28/05 09/29/05

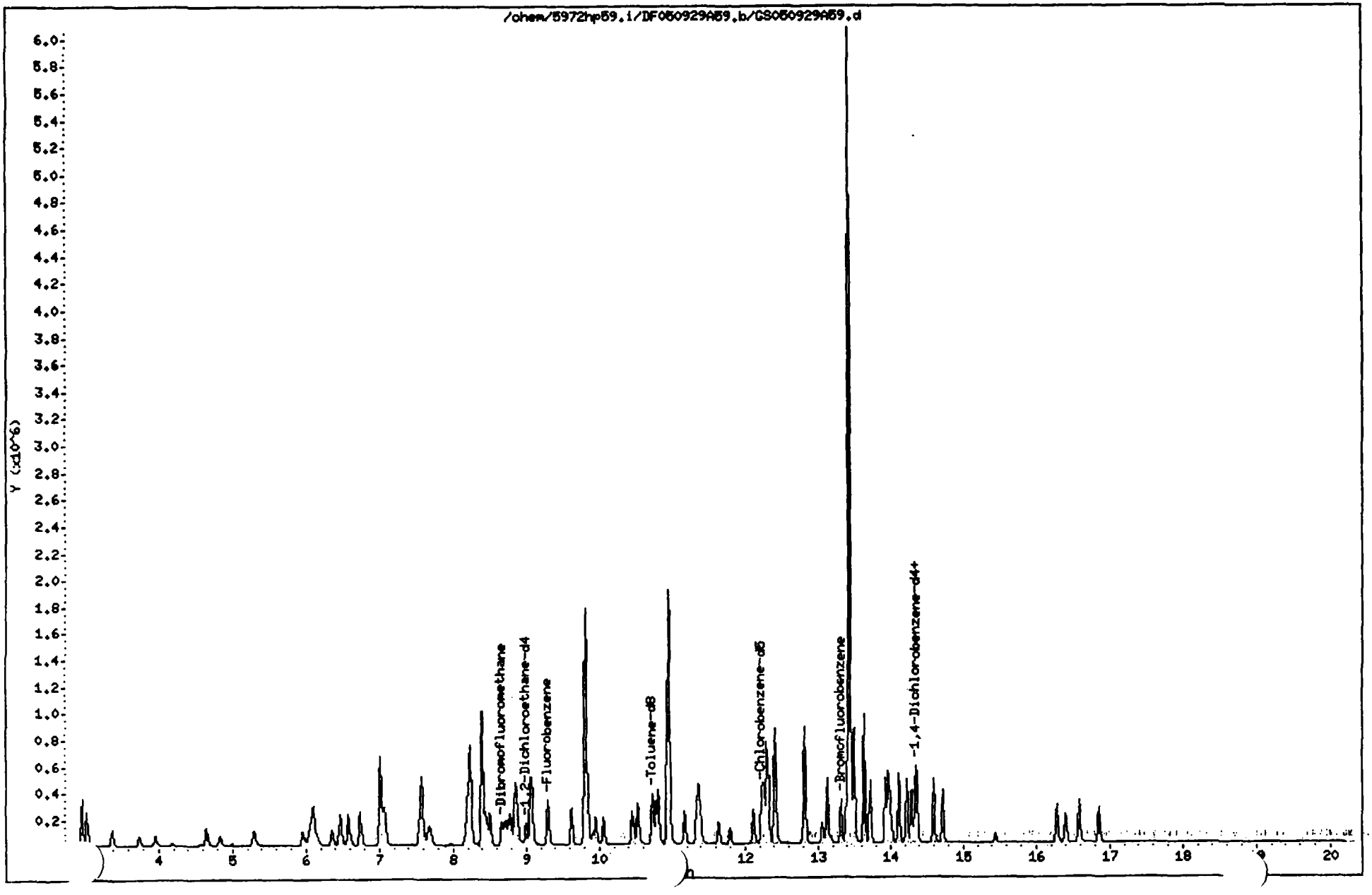
Init. Calib. Times: 2139 0104

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	0.1719900	0.1903670	0.1903670	0.001	10.68	25.00	AVRG
1,2,4-Trichlorobenzene	0.9771800	0.8659023	0.8659023	0.001	-11.39	25.00	AVRG
Xylene (total)	0.6626300	0.6273533	0.6273533	0.001	-5.32	25.00	AVRG
Methyl acetate	0.2311900	0.2374327	0.2374327	0.001	2.70	25.00	AVRG
Cyclohexane	0.5243800	0.4360192	0.4360192	0.001	-16.85	25.00	AVRG
Methylcyclohexane	0.4333000	0.3622950	0.3622950	0.001	-16.39	25.00	AVRG
Dibromofluoromethane	0.2910400	0.2852686	0.2852686	0.001	-1.98	25.00	AVRG
1,2-Dichloroethane-d4	0.2732300	0.2653849	0.2653849	0.001	-2.87	25.00	AVRG
Toluene-d8	1.4131900	1.3532738	1.3532738	0.001	-4.24	25.00	AVRG
Bromofluorobenzene	1.1514700	1.0608982	1.0608982	0.001	-7.86	25.00	AVRG

Data File: /chem/5972hp59.i/DF050929A59.b/GS050929A59.d
Date : 29-SEP-2005 09:55
Client ID: VSTD050
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050929A59.b/GS050929A59.d
Report Date: 30-Sep-2005 01:24

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/GS050929A59.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 29-SEP-2005 09:55
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 7 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	9.304	9.304	(1.000)	438499	250.000	
* 2 Chlorobenzene-d5	117	12.229	12.229	(1.000)	280151	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.347	14.347	(1.000)	141285	250.000	
$ 4 Dibromofluoromethane	113	8.673	8.673	(0.932)	125090	250.000	250
$ 5 1,2-Dichloroethane-d4	65	8.999	8.999	(0.967)	116371	250.000	240
$ 6 Toluene-d8	98	10.732	10.732	(0.878)	379121	250.000	240
$ 7 Bromofluorobenzene	95	13.313	13.313	(0.928)	149889	250.000	230
8 Dichlorodifluoromethane	85	3.384	3.384	(0.364)	144624	250.000	240
9 Chloromethane	50	3.749	3.749	(0.403)	104252	250.000	240
10 Vinyl Chloride	62	3.965	3.965	(0.426)	88132	250.000	250
11 Bromomethane	94	4.645	4.645	(0.499)	130885	250.000	380
12 Chloroethane	64	4.832	4.832	(0.519)	103556	250.000	260
13 Trichlorofluoromethane	101	5.295	5.295	(0.569)	162095	250.000	250
14 Acrolein	56	5.955	5.955	(0.640)	144315	2500.00	2700
15 1,1-Dichloroethene	96	6.113	6.113	(0.657)	112472	250.000	240
16 1,1,1-trichloro-2,2,2-trifluo	117	6.063	6.063	(0.652)	49812	250.000	220

Data File: /chem/5972hp59.i/DF050929A59.b/GS050929A59.d
Report Date: 30-Sep-2005 01:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
17 Acetone	43	6.162	6.162	(0.662)	87716	625.000	630
18 Iodomethane	142	6.359	6.359	(0.683)	163020	250.000	230
19 1,1,2-trichloro-1,2,2-trifluo	101	6.093	6.093	(0.655)	126789	250.000	210
20 Carbon disulfide	76	6.467	6.467	(0.695)	449792	250.000	240
21 3-Chloropropene	76	6.585	6.585	(0.708)	69813	250.000	240
22 Acetonitrile	41	6.585	6.585	(0.708)	179988	250.000	220
23 Methyl acetate	43	6.576	6.576	(0.707)	104114	250.000	260
24 Methylene Chloride	84	6.743	6.743	(0.725)	146034	250.000	250
25 Acrylonitrile	53	7.019	7.019	(0.754)	519418	2500.00	2600
26 trans-1,2-Dichloroethene	96	7.078	7.078	(0.761)	132628	250.000	250
27 trans-1,2-DCE (part of total)	96	7.078	7.078	(0.761)	132628	250.000	250
28 Methyl-tert-butyl ether	73	7.029	7.029	(0.755)	303994	250.000	250
29 1,1-Dichloroethane	63	7.580	7.580	(0.815)	243030	250.000	250
30 Chloroprene	53	7.689	7.689	(0.826)	153123	250.000	220
31 Vinyl acetate	43	7.580	7.580	(0.815)	432605	250.000	240
32 Isopropyl ether	45	7.570	7.570	(0.814)	452776	250.000	240
33 cis-1,2-Dichloroethene	96	8.211	8.211	(0.882)	140919	250.000	250
34 cis-1,2-DCE (part of total)	96	8.211	8.211	(0.882)	140919	250.000	250
35 2,2-Dichloropropane	77	8.211	8.211	(0.882)	155389	250.000	220
36 Propionitrile	54	8.240	8.240	(0.886)	858524	12500.0	13000
37 2-butanone	43	8.171	8.171	(0.878)	157247	625.000	640
38 Methacrylonitrile	41	8.398	8.398	(0.903)	678463	2500.00	2500
39 Bromochloromethane	128	8.457	8.457	(0.909)	65907	250.000	260
Chloroform	83	8.506	8.506	(0.914)	224766	250.000	250
1 1,1,1-Trichloroethane	97	8.723	8.723	(0.938)	166558	250.000	240
42 Cyclohexane	56	8.782	8.782	(0.944)	191194	250.000	210
43 1,1-dichloropropene	75	8.861	8.861	(0.952)	159189	250.000	240
44 Carbon Tetrachloride	117	8.880	8.880	(0.954)	131798	250.000	240
45 1,2-Dichloroethane	62	9.067	9.067	(0.975)	148079	250.000	240
46 Isobutyl alcohol	43	8.851	8.851	(0.951)	264936	12500.0	13000
47 Benzene	78	9.077	9.077	(0.976)	487051	250.000	250
48 Trichloroethene	130	9.629	9.629	(1.035)	119020	250.000	250
49 Methylcyclohexane	83	9.806	9.806	(1.054)	158866	250.000	210
50 1,2-Dichloropropane	63	9.826	9.826	(1.056)	131213	250.000	240
51 Dibromomethane	174	9.964	9.964	(1.071)	79042	250.000	260
52 1,4-dioxane	88	9.915	9.915	(1.066)	67066	12500.0	14000
53 Methylmethacrylate	69	9.826	9.826	(1.056)	867002	2500.00	2600
54 Bromodichloromethane	83	10.062	10.062	(1.081)	162619	250.000	250
55 2-chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene	75	10.456	10.456	(1.124)	203265	250.000	240
57 4-Methyl-2-pentanone	43	10.525	10.525	(0.861)	322201	625.000	610
58 Toluene	92	10.801	10.801	(0.883)	288252	250.000	240
59 trans-1,3-Dichloropropene	75	10.968	10.968	(0.897)	167600	250.000	240
60 1,1,2-Trichloroethane	97	11.175	11.175	(0.914)	106156	250.000	250
61 Ethylmethacrylate	69	10.949	10.949	(0.895)	1499967	2500.00	2400
62 1,3-Dichloropropane	76	11.362	11.362	(0.929)	189102	250.000	250
63 Tetrachloroethene	164	11.382	11.382	(0.931)	79562	250.000	230

Data File: /chem/5972hp59.i/DF050929A59.b/GS050929A59.d
Report Date: 30-Sep-2005 01:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
64 2-hexanone	43	11.343	11.343	(0.928)	236100	625.000	630
65 Dibromochloromethane	129	11.638	11.638	(0.952)	124154	250.000	250
66 1,2-Dibromoethane	107	11.796	11.796	(0.965)	116097	250.000	250
67 Chlorobenzene	112	12.259	12.259	(1.002)	285266	250.000	240
69 1,1,1,2-Tetrachloroethane	131	12.308	12.308	(1.006)	105416	250.000	250
70 Ethylbenzene	106	12.308	12.308	(1.006)	139665	250.000	230
71 m,p-Xylene	106	12.416	12.416	(1.015)	353651	500.000	470
72 m,p-Xylene (part of total)	106	12.416	12.416	(1.015)	353651	500.000	470
73 o-Xylene	106	12.810	12.810	(1.048)	173610	250.000	240
74 o-Xylene (part of total)	106	12.810	12.810	(1.048)	173610	250.000	240
75 Styrene	104	12.820	12.820	(1.048)	311116	250.000	240
76 Bromoform	173	13.066	13.066	(1.068)	84323	250.000	270
78 Isopropyl Benzene	105	13.126	13.126	(1.073)	421557	250.000	230
79 1,1,2,2-Tetrachloroethane	83	13.391	13.391	(0.933)	176731	250.000	250
80 1,2,3-Trichloropropane	110	13.460	13.460	(1.101)	35916	250.000	260
81 Bromobenzene	156	13.500	13.500	(1.104)	117639	250.000	250
82 trans-1,4-dichloro-2-butene	53	13.421	13.421	(1.097)	1456361	1000.00	800
83 n-Propyl Benzene	91	13.500	13.500	(0.941)	574470	250.000	220
84 2-Chlorotoluene	126	13.638	13.638	(0.951)	104251	250.000	240
85 4-Chlorotoluene	126	13.716	13.716	(0.956)	105217	250.000	230
86 1,3,5-Trimethyl Benzene	105	13.628	13.628	(0.950)	348934	250.000	230
87 Pentachloroethane	167	14.002	14.002	(0.976)	65538	250.000	240
88 tert-Butyl Benzene	119	13.933	13.933	(0.971)	306902	250.000	240
89 1,2,4-Trimethyl Benzene	105	13.973	13.973	(0.974)	356862	250.000	230
90 sec-Butyl Benzene	105	14.120	14.120	(0.984)	456204	250.000	220
91 1,3-Dichlorobenzene	146	14.298	14.298	(0.997)	203380	250.000	230
92 p-Isopropyl Toluene	119	14.229	14.229	(0.992)	340099	250.000	220
93 1,4-Dichlorobenzene	146	14.367	14.367	(1.001)	214159	250.000	230
94 1,2-Dichlorobenzene	146	14.721	14.721	(1.026)	198002	250.000	240
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	14.593	14.593	(1.017)	378835	250.000	210
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.440	(1.076)	26896	250.000	280
97 1,2,4-Trichlorobenzene	180	16.277	16.277	(1.135)	122339	250.000	220
98 Hexachlorobutadiene	225	16.396	16.396	(1.143)	57672	250.000	220
99 Naphthalene	128	16.583	16.583	(1.156)	349420	250.000	250
100 1,2,3-Trichlorobenzene	180	16.858	16.858	(1.175)	121949	250.000	230
171 2-Methyl Naphthalene	142	Compound Not Detected.					
M 101 1,2-Dichloroethene (total)	96				273547	500.000	490
M 102 Xylene (total)	106				527261	750.000	710

604

COMPUCHEM a division of Liberty Analytical Corp DATE 9/29/05 INITIAL TIME OF TUNE 0916 SHIFT/S(A) ✓ (B)____ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 2116 LINKER /METHOD 8260B W

COMPUCHEM LOGBOOK 11 NNN 18 (5972hp59) 5ppb

PREVENTIVE MAINTENANCE retuned IF 45→43.5 Ent off 12.30→12.05 EMV=H 1694→1718 Repeller no Δ 23.69

	CTRD	FILE NAME	RPD	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF050929A59		–	–	9/29/05	0916	BFB	—	2µL	—	2473	LCD=5CD
2		GS050929A59		–	–	/ /	0955	VSTD050	—	10ml	—		
3		81312A59		—	–	/ /	1037	VBLKFD	VARIOUS	~~100ml~~ 10ml	—		Redo Lot # 44337 Mileseal
4		81315A59		—	–	/ /	1116	VFDLCS		10ml	—		Passes EPA Spikes TCLP
5		81318A59		—	–	/ /	1144	VFDLCSD			—		
6		784601A59		—	ampole	/ /	1234	D18546	7846	5ml	—		10ml→5ml per instructions
7		778814D2A59		1	3	/ /	1302	ACSGWMW5626	7788	1.5ml	3.33		
8		81148A59		1	T.Bag	/ /	1346	ZHEBLKME	7762	5ml	—		
9		81149A59		5		/ /	1414	ZHEBLKMG	7763	1ml	5		
10		776201A59		1		/ /	1442	WC-WA-091905	7762	5ml	—		
11		776301A59		5		/ /	1511	WCSOLIDS091905	7763	1ml	5		
12		785701A59		1	2	/ /	1556	ACSGW MW5701	7857	5ml	—		
13		785702A59		1	2	/ /	1624	LA1101			—		
14		785703A59		1	2	/ /	1652	LA1201			—		
15		785704A59		1	2	/ /	1721	LA1501			—		
16		785705A59		1	2	/ /	1812	LA1401			—		
17		785706A59		1	2	/ /	1840	LA2DUP01			—		
18		785707A59		1	2	/ /	1908	LA1301			—		
19		785708A59		1	2	/ /	1937	OW101			—		
20		785709A59		1	2	/ /	2005	LA2EB01			—		
21		785710A59		1	1	/ /	2053	LA22TB01			—		
22		81246A59		1	4	/ /	2101	OW101MS			—		
23		81247A59	OT	1	4	/ /		OW101MSD			—		
24						/ /							9/29/05

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL ____ Date 9/27/05

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC264

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/26/05:jad

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date: 09/22/05 Time: 1823

Lab File ID: CU050922B62 Init. Calib. Date(s): 09/12/05 09/12/05

Init. Calib. Times: 1409 1728

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50 or AMOUNT	CCAL RRF50	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	165.60906	250.00000	0.1318427	0.001	-33.76	25.00	2RDR	<-
Chloromethane	279.41660	250.00000	0.3873571	0.1	11.77	25.00	LINR	
Vinyl Chloride	0.2661000	0.2487000	0.2487000	0.001	-6.54	20.00	AVRG	
Bromomethane	171.58388	250.00000	0.1090003	0.001	-31.37	25.00	LINR	<-
Chloroethane	0.1272000	0.1102500	0.1102500	0.001	-13.32	25.00	AVRG	
Trichlorofluoromethane	260.76092	250.00000	0.3322227	0.001	4.30	25.00	LINR	
1,1-Dichloroethene	0.2166900	0.1874337	0.1874337	0.001	-13.50	20.00	AVRG	
Carbon disulfide	0.5597000	0.4213211	0.4213211	0.001	-24.72	25.00	AVRG	
1,1,2-trichloro-1,2,2-triflu	281.30139	250.00000	0.2329828	0.001	12.52	25.00	LINR	
Acetone	0.1193300	0.1186690	0.1186690	0.001	-0.55	25.00	AVRG	
Methylene Chloride	0.3662600	0.3186000	0.3186000	0.001	-13.01	25.00	AVRG	
trans-1,2-Dichloroethene	0.3108400	0.2823650	0.2823650	0.001	-9.16	25.00	AVRG	
Methyl-tert-butyl ether	0.7559800	0.4697301	0.4697301	0.001	-37.86	25.00	AVRG	<-
1,1-Dichloroethane	0.5858600	0.5139917	0.5139917	0.1	-12.27	25.00	AVRG	
cis-1,2-Dichloroethene	0.3805600	0.3564126	0.3564126	0.001	-6.34	25.00	AVRG	
2-butanone	0.1621500	0.1459110	0.1459110	0.001	-10.01	25.00	AVRG	
Chloroform	0.6734900	0.6370147	0.6370147	0.001	-5.42	20.00	AVRG	
1,1,1-Trichloroethane	0.5016500	0.4936367	0.4936367	0.001	-1.60	25.00	AVRG	
Carbon Tetrachloride	0.3698500	0.3529588	0.3529588	0.001	-4.57	25.00	AVRG	
Benzene	1.3088500	1.2049925	1.2049925	0.001	-7.94	25.00	AVRG	
1,2-Dichloroethane	0.5054500	0.4568112	0.4568112	0.001	-9.62	25.00	AVRG	
Trichloroethene	0.4055800	0.3798575	0.3798575	0.001	-6.34	25.00	AVRG	
1,2-Dichloropropane	0.3749900	0.3557826	0.3557826	0.001	-5.12	20.00	AVRG	
Bromodichloromethane	0.4987400	0.4779902	0.4779902	0.001	-4.16	25.00	AVRG	
cis-1,3-Dichloropropene	0.5301800	0.5556820	0.5556820	0.001	4.81	25.00	AVRG	
4-Methyl-2-pentanone	0.4177700	0.4367975	0.4367975	0.001	4.55	25.00	AVRG	
Toluene	0.9580500	1.0527219	1.0527219	0.001	9.88	20.00	AVRG	
trans-1,3-Dichloropropene	273.79521	250.00000	0.6213893	0.001	9.52	25.00	LINR	
1,1,2-Trichloroethane	0.4358600	0.4808421	0.4808421	0.001	10.32	25.00	AVRG	
Tetrachloroethene	306.87434	250.00000	0.3912082	0.001	22.75	25.00	LINR	
2-hexanone	0.2823000	0.2920888	0.2920888	0.001	3.47	25.00	AVRG	
Dibromochloromethane	0.5309800	0.6054610	0.6054610	0.001	14.03	25.00	AVRG	
1,2-Dibromoethane	0.4947700	0.5373448	0.5373448	0.001	8.60	25.00	AVRG	
Chlorobenzene	1.1835500	1.2842293	1.2842293	0.3	8.51	25.00	AVRG	
Ethylbenzene	0.5682800	0.6438608	0.6438608	0.001	13.30	20.00	AVRG	
Styrene	1.1699900	1.3097279	1.3097279	0.001	11.94	25.00	AVRG	
Bromoform	0.3998800	0.4639255	0.4639255	0.1	16.02	25.00	AVRG	
Isopropyl Benzene	1.3273000	1.5379476	1.5379476	0.001	15.87	25.00	AVRG	
1,1,2,2-Tetrachloroethane	1.0356200	1.2290658	1.2290658	0.3	18.68	25.00	AVRG	
1,3-Dichlorobenzene	1.7430600	2.0811367	2.0811367	0.001	19.40	25.00	AVRG	
1,4-Dichlorobenzene	1.8024500	2.1254132	2.1254132	0.001	17.92	25.00	AVRG	
1,2-Dichlorobenzene	1.7727900	2.0832026	2.0832026	0.001	17.51	25.00	AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Instrument ID: 5973HP62 Calibration Date: 09/22/05 Time: 1823

Lab File ID: CU050922B62 Init. Calib. Date(s): 09/12/05 09/12/05

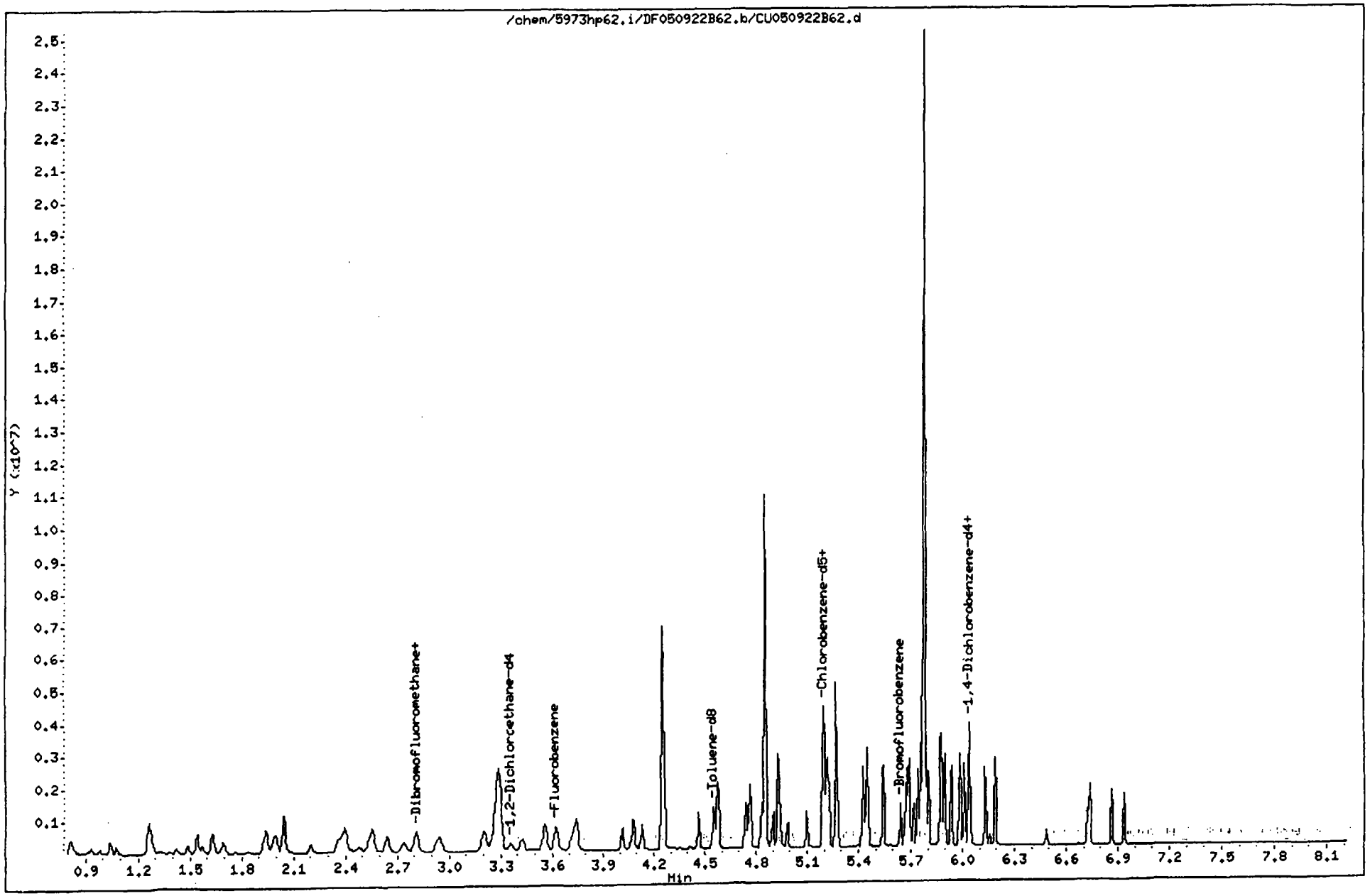
Init. Calib. Times: 1409 1728

GC Column: RTX-VMS ID: 0.18 (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	0.2139400	0.2668817	0.2668817	0.001	24.75	25.00	AVRG	
1,2,4-Trichlorobenzene	0.8074100	1.0906022	1.0906022	0.001	35.07	25.00	AVRG	<-
Xylene (total)	0.7135400	0.7826705	0.7826705	0.001	9.69	25.00	AVRG	
Methyl acetate	237.64005	250.00000	0.2888828	0.001	-4.94	25.00	LINR	
Cyclohexane	256.74898	250.00000	0.3477954	0.001	2.70	25.00	LINR	
Methylcyclohexane	299.39573	250.00000	0.4069106	0.001	19.76	25.00	LINR	
Dibromofluoromethane	0.3228100	0.2519114	0.2519114	0.001	-21.96	25.00	AVRG	
1,2-Dichloroethane-d4	0.3184100	0.2356109	0.2356109	0.001	-26.00	25.00	AVRG	<-
Toluene-d8	1.0420100	1.0001529	1.0001529	0.001	-4.02	25.00	AVRG	
Bromofluorobenzene	0.8270700	0.7907541	0.7907541	0.001	-4.39	25.00	AVRG	

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Date : 22-SEP-2005 18:23
Client ID: VSTD050
Sample Info: VSTD050:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 22-SEP-2005 18:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : VSTD050:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 09:43 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 4 Continuing Calibration Sample
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

CpndVariable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	3.620	3.620	(1.000)	582558	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	464456	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.037	6.037	(1.000)	239608	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	146753	250.000	200
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	137257	250.000	180
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	464527	250.000	240
$ 7 Bromofluorobenzene	95	5.640	5.640	(0.934)	189471	250.000	240
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	76806	250.000	170
9 Chloromethane	50	0.773	0.773	(0.214)	225658	250.000	280
10 Vinyl Chloride	62	0.806	0.806	(0.223)	144902	250.000	230
11 Bromomethane	94	0.937	0.937	(0.259)	63499	250.000	170
12 Chloroethane	64	0.986	0.986	(0.272)	64227	250.000	220
13 Trichlorofluoromethane	101	1.046	1.046	(0.289)	193539	250.000	260
14 Acrolein	56	1.421	1.421	(0.393)	92067	2500.00	1700
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	109191	250.000	220

MIH 9-27-5

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

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	1.263	1.263	(0.349)	57871	250.000	260
17 Acetone	43	1.574	1.574	(0.435)	172829	625.000	620
18 Iodomethane	142	1.329	1.329	(0.367)	79162	250.000	180
19 1,1,2-trichloro-1,2,2-trifluo	101	1.280	1.280	(0.353)	135726	250.000	280
20 Carbon disulfide	76	1.269	1.269	(0.350)	245444	250.000	190
21 3-Chloropropene	76	1.492	1.492	(0.412)	38935	250.000	200
22 Acetonitrile	41	1.840	1.840	(0.508)	24319	250.000	230
23 Methyl acetate	43	1.644	1.644	(0.454)	168291	250.000	240
24 Methylene Chloride	84	1.546	1.546	(0.427)	185603	250.000	220
25 Acrylonitrile	53	2.047	2.047	(0.565)	708647	2500.00	2200
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	164494	250.000	230
27 trans-1,2-DCE (part of total)	96	1.628	1.628	(0.450)	164494	250.000	230
28 Methyl-tert-butyl ether	73	1.699	1.699	(0.469)	273645	250.000	160
29 1,1-Dichloroethane	63	2.004	2.004	(0.553)	299430	250.000	220
30 Chloroprene	53	1.987	1.987	(0.549)	164237	250.000	220
31 Vinyl acetate	43	2.205	2.205	(0.609)	326331	250.000	220
32 Isopropyl ether	45	1.938	1.938	(0.535)	629687	250.000	220
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	207631	250.000	230
34 cis-1,2-DCE (part of total)	96	2.396	2.396	(0.662)	207631	250.000	230
35 2,2-Dichloropropane	77	2.483	2.483	(0.686)	85768	250.000	140
36 Propionitrile	54	3.267	3.267	(0.902)	1282897	12500.0	12000
37 2-butanone	43	2.956	2.956	(0.817)	212504	625.000	560
38 Methacrylonitrile	41	3.288	3.288	(0.908)	1260979	2500.00	2400
39 Bromochloromethane	128	2.559	2.559	(0.707)	110108	250.000	220
40 Chloroform	83	2.641	2.641	(0.729)	371098	250.000	240
41 1,1,1-Trichloroethane	97	2.809	2.809	(0.776)	287572	250.000	250
42 Cyclohexane	56	2.543	2.543	(0.702)	202611	250.000	260
43 1,1-dichloropropene	75	2.940	2.940	(0.812)	219894	250.000	240
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	205619	250.000	240
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	266119	250.000	230
46 Isobutyl alcohol	43	3.555	3.555	(0.982)	414698	12500.0	12000
47 Benzene	78	3.201	3.201	(0.884)	701978	250.000	230
48 Trichloroethene	130	3.746	3.746	(1.035)	221289	250.000	230
49 Methylcyclohexane	83	3.724	3.724	(1.029)	237049	250.000	300
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	207264	250.000	240
51 Dibromomethane	174	4.018	4.018	(1.110)	174572	250.000	230
52 1,4-dioxane	88	4.247	4.247	(1.173)	117663	12500.0	12000
53 Methylmethacrylate	69	4.252	4.252	(1.174)	1350083	2500.00	2400
54 Bromodichloromethane	83	4.132	4.132	(1.141)	278457	250.000	240
55 2-chloroethyl vinyl ether	63	4.372	4.372	(1.207)	2980	250.000	400(M)
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	323717	250.000	260
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	507183	625.000	650
58 Toluene	92	4.573	4.573	(0.881)	488943	250.000	270
59 trans-1,3-Dichloropropene	75	4.769	4.769	(0.919)	288608	250.000	270
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	223330	250.000	280
61 Ethylmethacrylate	69	4.851	4.851	(0.935)	2582597	2500.00	2800
62 1,3-Dichloropropane	76	4.938	4.938	(0.952)	349563	250.000	270

M.Hit 9-22-5

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Report Date: 22-Sep-2005 09:43

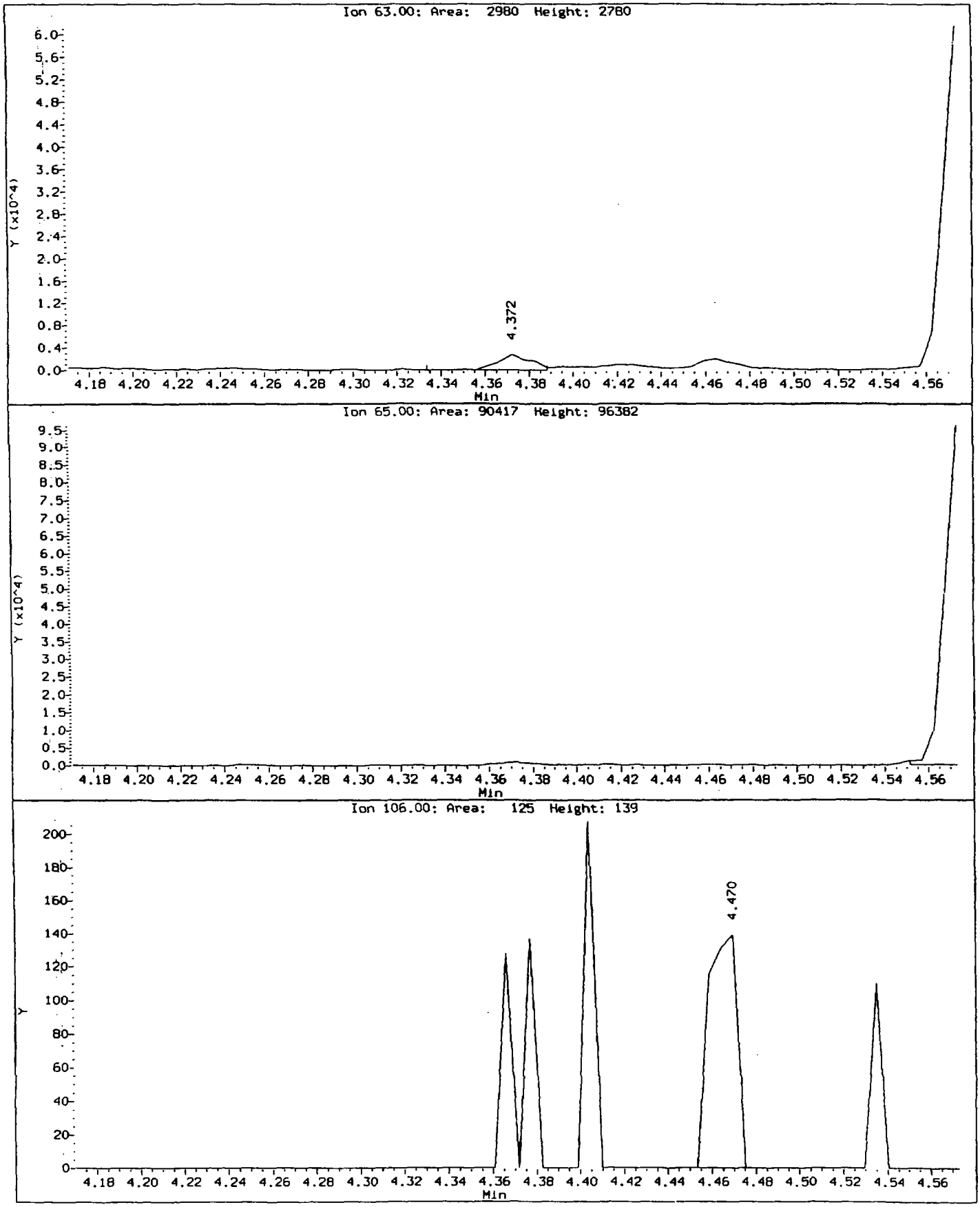
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
63 Tetrachloroethene	164	4.736	4.736	(0.913)	181699	250.000	310
64 2-hexanone	43	5.096	5.096	(0.982)	339156	625.000	650
65 Dibromochloromethane	129	4.900	4.900	(0.944)	281210	250.000	290
66 1,2-Dibromoethane	107	4.987	4.987	(0.961)	249573	250.000	270
67 Chlorobenzene	112	5.194	5.194	(1.001)	596468	250.000	270
69 1,1,1,2-Tetrachloroethane	131	5.226	5.226	(1.007)	246244	250.000	290
70 Ethylbenzene	106	5.215	5.215	(1.005)	299045	250.000	280
71 m,p-Xylene	106	5.270	5.270	(1.016)	725331	500.000	550
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	725331	500.000	550
73 o-Xylene	106	5.428	5.428	(1.046)	365217	250.000	270
74 o-Xylene (part of total)	106	5.428	5.428	(1.046)	365217	250.000	270
75 Styrene	104	5.444	5.444	(1.049)	608311	250.000	280
76 Bromoform	173	5.450	5.450	(1.050)	215473	250.000	290
78 Isopropyl Benzene	105	5.760	5.760	(1.110)	714309	250.000	290
79 1,1,2,2-Tetrachloroethane	83	5.716	5.716	(0.947)	294494	250.000	300
80 1,2,3-Trichloropropane	110	5.760	5.760	(1.110)	77508	250.000	260
81 Bromobenzene	156	5.673	5.673	(1.093)	305525	250.000	270
82 trans-1,4-dichloro-2-butene	53	5.776	5.776	(1.113)	2300607	1000.00	1200
83 n-Propyl Benzene	91	5.689	5.689	(0.942)	1034244	250.000	320
84 2-Chlorotoluene	126	5.743	5.743	(0.951)	245402	250.000	290
85 4-Chlorotoluene	126	5.803	5.803	(0.961)	253893	250.000	290
86 1,3,5-Trimethyl Benzene	105	5.760	5.760	(0.954)	714309	250.000	310
88 tert-Butyl Benzene	119	5.869	5.869	(0.972)	761365	250.000	300
89 1,2,4-Trimethyl Benzene	105	5.896	5.896	(0.977)	731493	250.000	300
sec-Butyl Benzene	105	5.934	5.934	(0.983)	882935	250.000	320
91 1,3-Dichlorobenzene	146	6.010	6.010	(0.995)	498657	250.000	300
92 p-Isopropyl Toluene	119	5.983	5.983	(0.991)	714865	250.000	310
93 1,4-Dichlorobenzene	146	6.043	6.043	(1.001)	509266	250.000	290
94 1,2-Dichlorobenzene	146	6.190	6.190	(1.025)	499152	250.000	290
170 Hexachloroethane	117	Compound Not Detected.					
95 n-Butyl Benzene	91	6.130	6.130	(1.015)	639879	250.000	340
96 1,2-Dibromo-3-Chloropropane	157	6.484	6.484	(1.074)	63947	250.000	310
97 1,2,4-Trichlorobenzene	180	6.734	6.734	(1.115)	261317	250.000	340
98 Hexachlorobutadiene	225	6.723	6.723	(1.114)	115339	250.000	420
99 Naphthalene	128	6.859	6.859	(1.136)	597871	250.000	320
100 1,2,3-Trichlorobenzene	180	6.930	6.930	(1.148)	230911	250.000	340
M 101 1,2-Dichloroethene (total)	96				372125	500.000	460
M 102 Xylene (total)	106				1090548	750.000	820

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/5973hp62.i/DF050922B62.b/CU050922B62.d
Injection Date: 22-SEP-2005 18:23
Instrument: 5973hp62.i
Client Sample ID: VSTD050

Compound: 2-chloroethyl vinyl ether
CAS Number: 110-75-8



COMPUCHEM a division of Liberty Analytical Corp DATE 9/22/05 INITIAL TIME OF TUNE 1737 SHIFT/S(A)____(B) ✓ (C)____

GC/MS VOLATILE RUN LOG TIME TUNE EXPIRES 0537 LINKER /METHOD W 8260B - 5ppB W

COMPUCHEM LOGBOOK 11 J(4) 7 (5973hp62)

PREVENTIVE MAINTENANCE None

	RESULT CTRD	FILE NAME	RESULT RTRD	pH	Vial	DATE	TIME	Client ID	SDG#	INJ. VOL.*	DF+	CHEMIST	COMMENTS(ETC.)/ DISPOSITION
1		BF0509 22B62	/	—	—	9/22/05	1737 ✓	BFB	—	2l	—	2323	LCD=SCD
2	/	CS0509 22B62	CS	—	—	/ /	1746	VSTD050	—	5ml	—		
3		CU0509 22B62	/	—	—	/ /	1823 ✓		—		—		
4	/	80287B62	CS	—	—	/ /	1853	VBLKAK	None		—		
5		80287RB62	/	—	—	/ /	1923 ✓				—		
6		80290B62	/	—	—	/ /	1953 ✓	VAKLCS			—		
7	/	CB0509 22B62	CS	—	—	/ /	2023	VEMVKA	—	5ml	—		
8		778804B62	/	1	1	/ /	2053	ACSGW730226	7788		—		
9		777113B62	/	1	1	/ /	2123	ACSGWRB0226	7771		—		
10		80292B62	/	1	2	/ /	2152	ACSGWMW1726 MS	7771		—		
11		80293B62	/	1	2	/ /	2222	MSD			—		
12	/	CC0509 22B62	CS	—	—	/ /	2252	VEMVKA3	—		—		
13	/	CD0509 22B62	CS	—	—	/ /	2321	AC	—		—		
14		777112B62	/	1	1	/ /	2351	ACSGWMW4626	7771		—		
15		114	/	1	1	9/23/05	0021	4426			—		
16		115	/	1	1	/ /	0051	5126			—		
17		116	/	1	1	/ /	0111	3026			—		
18		117	/	1	1	/ /	0131	3326			—		
19		118	/	1	1	/ /	0151	5226			—		
20		119	/	1	1	/ /	0211	5326			—		
21		120	/	1	1	/ /	0231	ACSGWDUP0726			—		
22		778801B62	/	1	1	/ /	0251 ✓	ACSGWMW5426	7785		—		
23		803	/	1	1	/ /	0311 ✓	1526			—		
24	/	802	DW	1	1	/ /	0334	5526		5000l	10		

*On-column sample aliquot
+Not applicable to soil matrix

SUPERVISOR APPROVAL [signature] Date 9-23-05

Tune (ID #7008) Lot No. 63570

Calibration Group Code / Lot No. DC758

The presence of the Chemist'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 together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

3/25/05: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/DC050912A59.b/BC050912A59.d

Date : 12-SEP-2005 14:54

Client ID: BFB

Instrument: 5972hp59.i

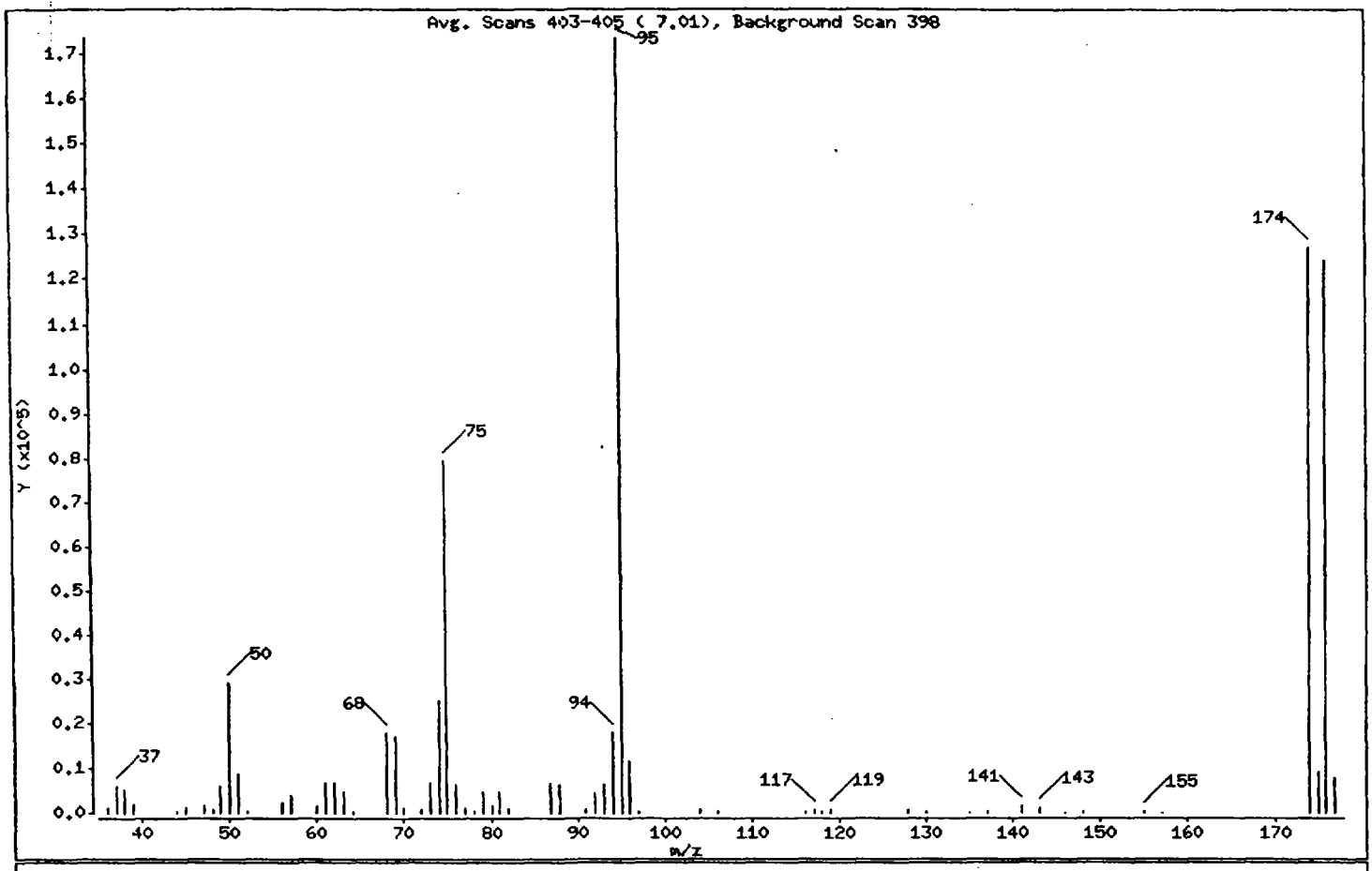
Sample Info: BFB:2473

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	16.87
75	30.00 - 60.00% of mass 95	45.77
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	73.18
175	5.00 - 9.00% of mass 174	5.30 (7.24)
176	95.00 - 101.00% of mass 174	71.55 (97.77)
177	5.00 - 9.00% of mass 176	4.64 (6.48)

Data File: /chem/5972hp59.i/BC050912A59.b/BC050912A59.d

Date : 12-SEP-2005 14:54

lient ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BC050912A59.d

Spectrum: Avg. Scans 403-405 (7.01), Background Scan 398

Location of Maximum: 95.00

Number of points: 62

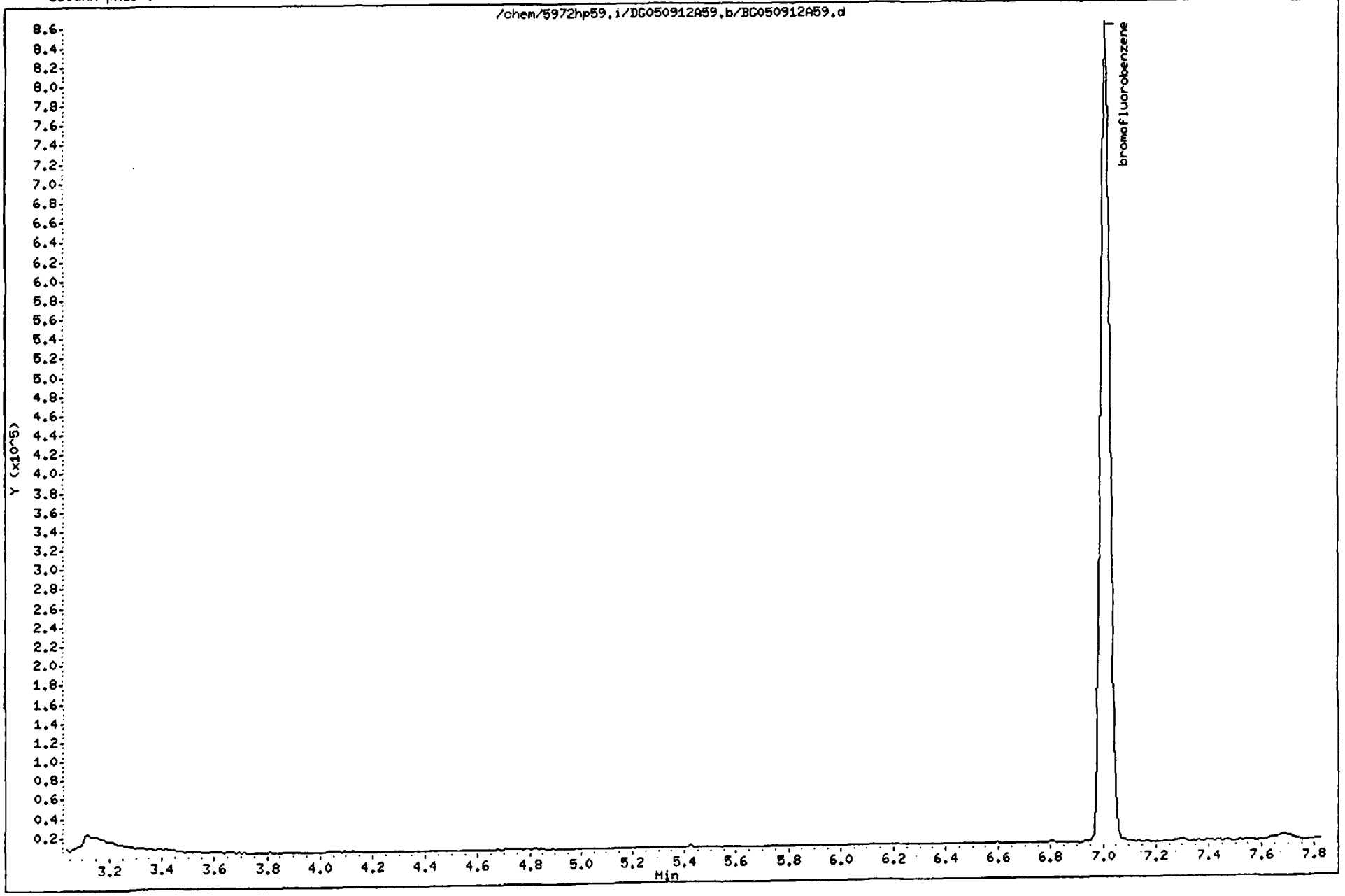
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1239	62.00	6722	82.00	1064	128.00	636
37.00	5881	63.00	4831	87.00	6694	130.00	582
38.00	5306	64.00	297	88.00	6461	135.00	105
39.00	1999	68.00	18096	91.00	651	137.00	205
44.00	556	69.00	17032	92.00	4326	141.00	1400
45.00	1367	70.00	1275	93.00	6552	143.00	1350
47.00	1627	72.00	895	94.00	18088	146.00	125
48.00	691	73.00	6713	95.00	173696	148.00	355
49.00	6016	74.00	25248	96.00	11594	155.00	343
50.00	29296	75.00	79504	97.00	231	157.00	102
51.00	8959	76.00	6582	104.00	677	174.00	127112
52.00	382	77.00	1036	106.00	598	175.00	9209
56.00	2285	78.00	520	116.00	549	176.00	124272
57.00	4173	79.00	4867	117.00	987	177.00	8054
60.00	1401	80.00	1441	118.00	588		
61.00	6929	81.00	4821	119.00	798		

Data File: /chem/5972hp59.i/DC050912A59.b/BC050912A59.d
Date : 12-SEP-2005 14:54
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF050927A59.b/BF050927A59.d

Date : 27-SEP-2005 10:16

Client ID: BFB

Instrument: 5972hp59.i

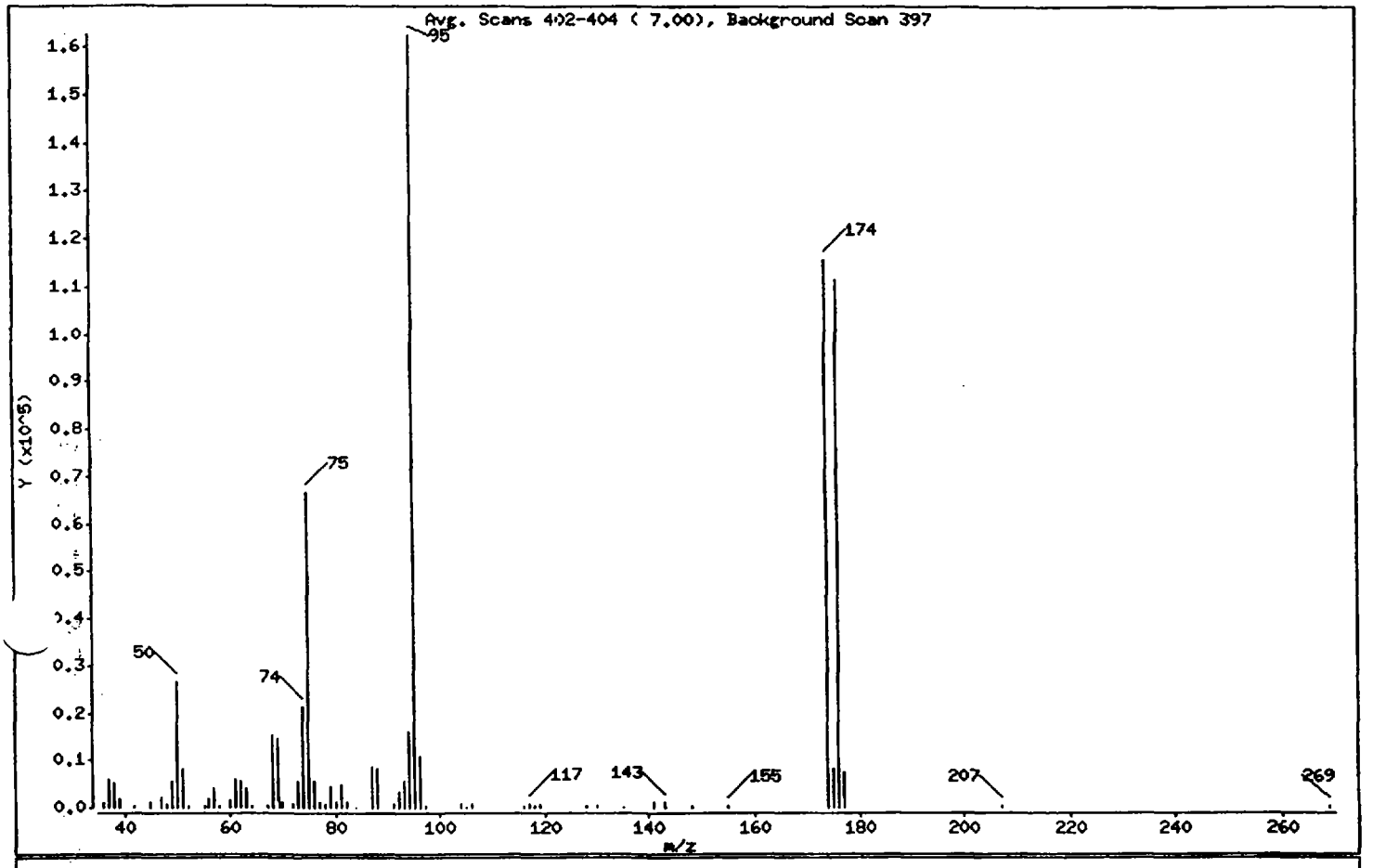
Sample Info: BFB:2473

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	16.29
75	30.00 - 60.00% of mass 95	40.81
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	70.98
175	5.00 - 9.00% of mass 174	5.07 (7.14)
176	95.00 - 101.00% of mass 174	68.53 (96.55)
177	5.00 - 9.00% of mass 176	4.56 (6.65)

Data File: /chem/5972hp59.i/DF050927A59.b/BF050927A59.d

Date : 27-SEP-2005 10:16

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BF050927A59.d

Spectrum: Avg. Scans 402-404 (7.00), Background Scan 397

Location of Maximum: 95.00

Number of points: 66

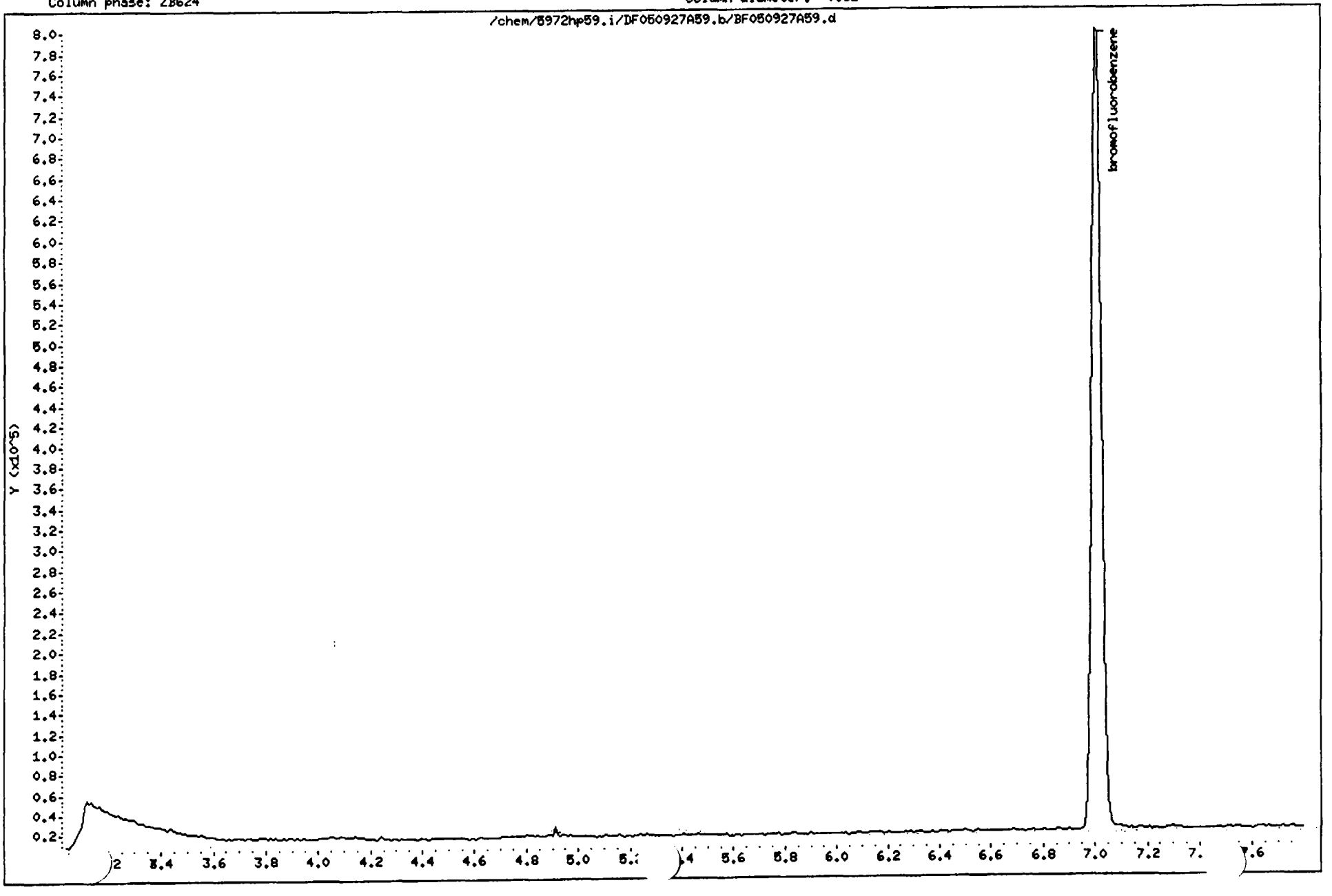
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1203	61.00	6070	81.00	4887	118.00	402
37.00	6093	62.00	5793	82.00	1036	119.00	711
38.00	5223	63.00	4266	84.00	70	128.00	547
39.00	1889	64.00	466	87.00	8538	130.00	513
42.00	246	67.00	525	88.00	8243	135.00	103
45.00	1256	68.00	15263	91.00	725	141.00	1081
47.00	2187	69.00	14518	92.00	3538	143.00	1096
48.00	809	70.00	1235	93.00	5656	148.00	262
49.00	5435	72.00	731	94.00	16168	155.00	272
50.00	26496	73.00	5534	95.00	162624	174.00	115464
51.00	8085	74.00	21168	96.00	10875	175.00	8244
52.00	404	75.00	66392	97.00	240	176.00	111472
55.00	346	76.00	6597	104.00	653	177.00	7411
56.00	1926	77.00	1166	105.00	114	207.00	380
57.00	4085	78.00	910	106.00	655	269.00	322
58.00	243	79.00	4426	116.00	472		
60.00	1356	80.00	1293	117.00	840		

Data File: /chem/5972hp59.i/DF050927A59.b/BF050927A59.d
Date : 27-SEP-2005 10:16
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF050928B59.b/BF050928B59.d

Date : 28-SEP-2005 21:25

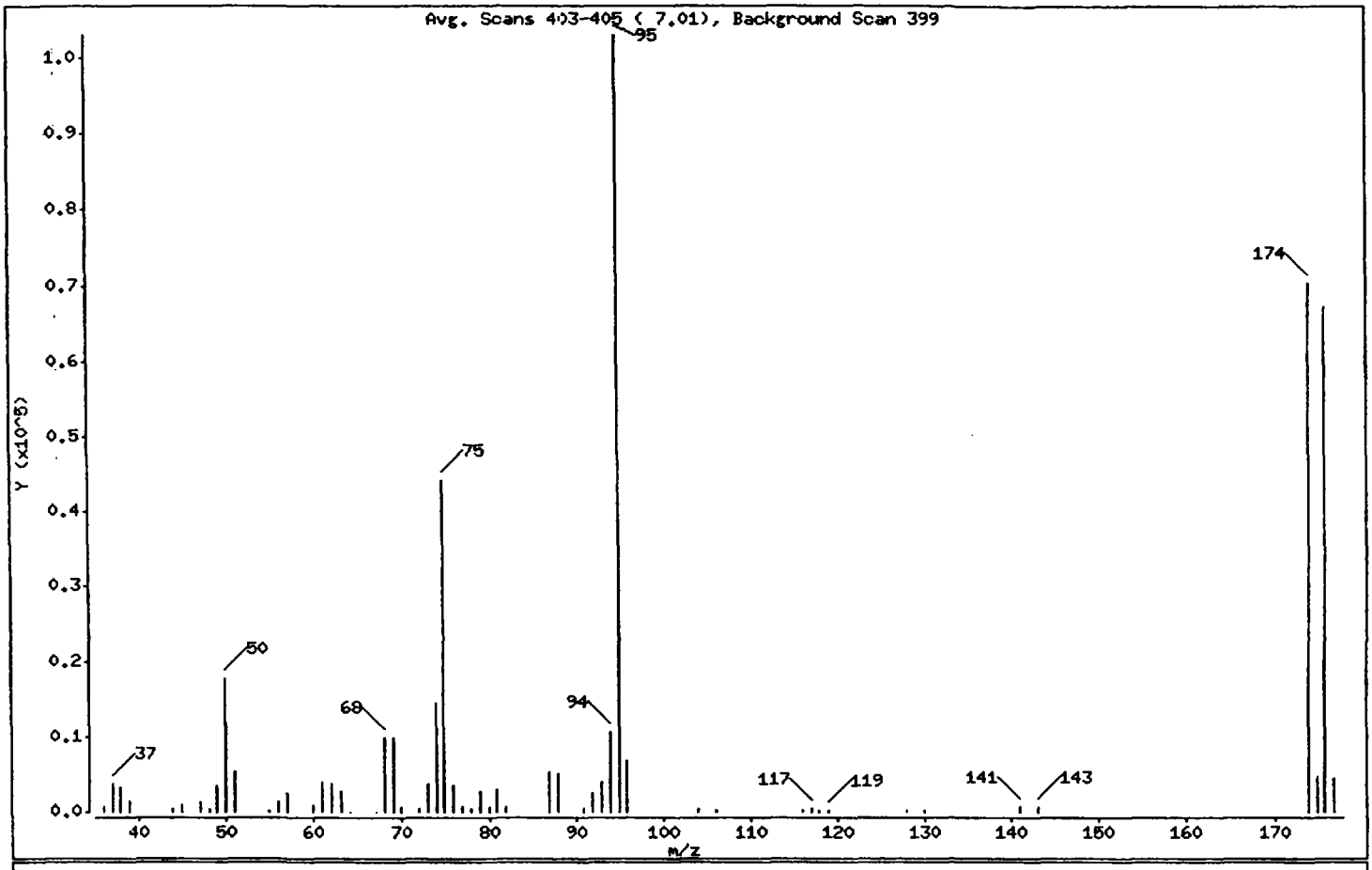
Client ID: BFB | Instrument: 5972hp59.i

Sample Info: BFB:2481

Volume Injected (uL): 2.0 | 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	17.33
75	30.00 - 60.00% of mass 95	42.88
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.28
175	5.00 - 9.00% of mass 174	4.61 (6.75)
176	95.00 - 101.00% of mass 174	65.31 (95.64)
177	5.00 - 9.00% of mass 176	4.29 (6.57)

Data File: /chem/5972hp59.i/DF050928B59.b/BF050928B59.d

Date : 28-SEP-2005 21:25

Client ID: BFB | Instrument: 5972hp59.i

Sample Info: BFB:2481

Volume Injected (uL): 2.0 | Operator: 2481

Column phase: ZB624 | Column diameter: 0.32

Data File: BF050928B59.d

Spectrum: Avg. Scans 403-405 (7.01), Background Scan 399

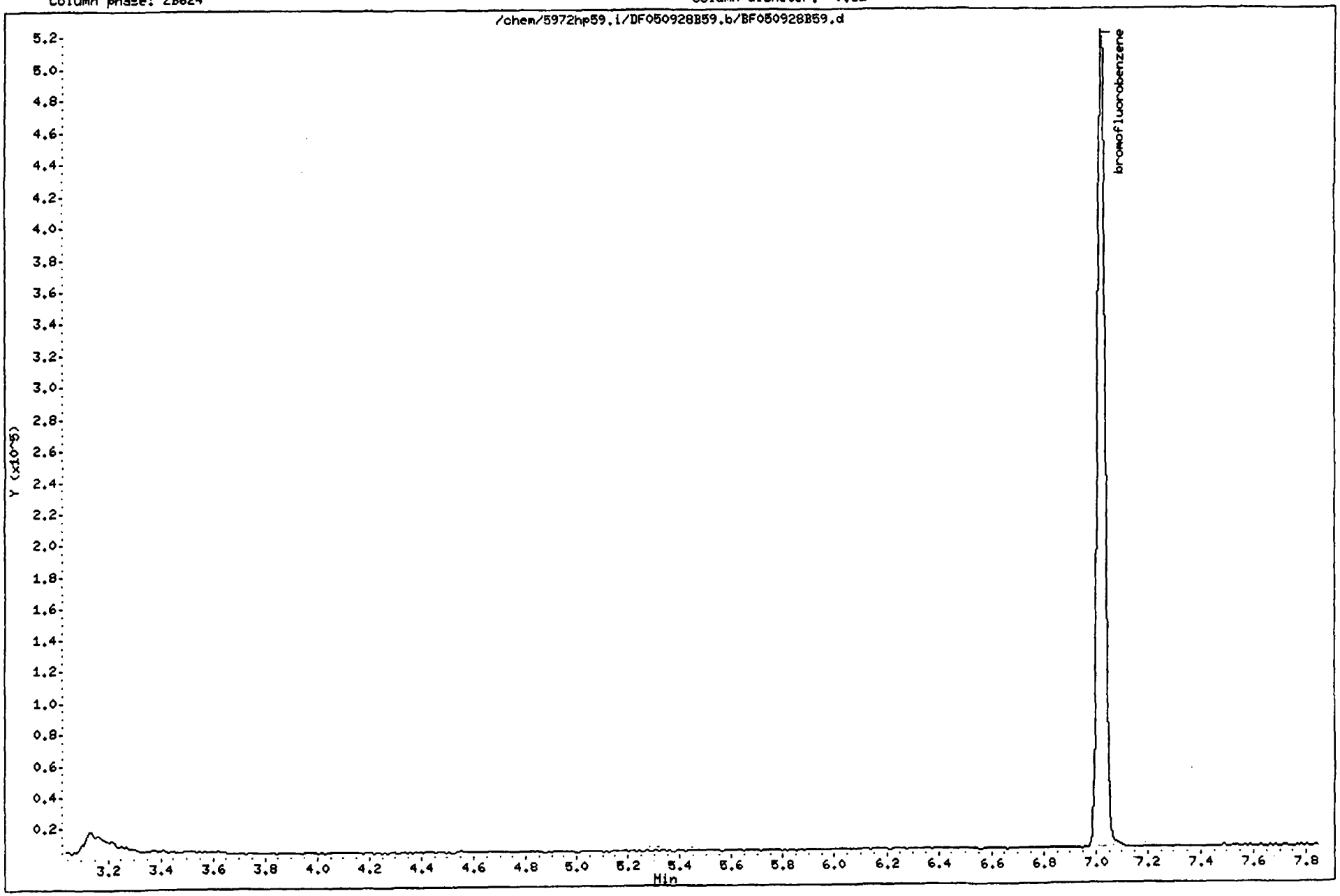
Location of Maximum: 95.00

Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	740	61.00	3964	79.00	2927	117.00	549
37.00	3843	62.00	3860	80.00	783	118.00	250
38.00	3307	63.00	2847	81.00	3055	119.00	316
39.00	1383	64.00	111	82.00	626	128.00	244
44.00	450	67.00	105	87.00	5512	130.00	275
45.00	903	68.00	10049	88.00	5180	141.00	747
47.00	1379	69.00	9841	91.00	423	143.00	722
48.00	509	70.00	693	92.00	2514	174.00	70360
49.00	3574	72.00	496	93.00	3945	175.00	4748
50.00	17848	73.00	3849	94.00	10629	176.00	67296
51.00	5387	74.00	14365	95.00	103048	177.00	4424
55.00	295	75.00	44184	96.00	6881		
56.00	1442	76.00	3643	104.00	437		
57.00	2561	77.00	596	106.00	328		
60.00	843	78.00	547	116.00	245		

Data File: /chem/5972hp59.i/DF050928B59.b/BF050928B59.d
Date : 28-SEP-2005 21:25
Client ID: BFB
Sample Info: BFB:2481
Volume Injected (uL): 2.0
Column phase: ZB624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050923A59.b/BF050923A59.d

Date : 23-SEP-2005 09:36

Client ID: BFB

Instrument: 5972hp59.i

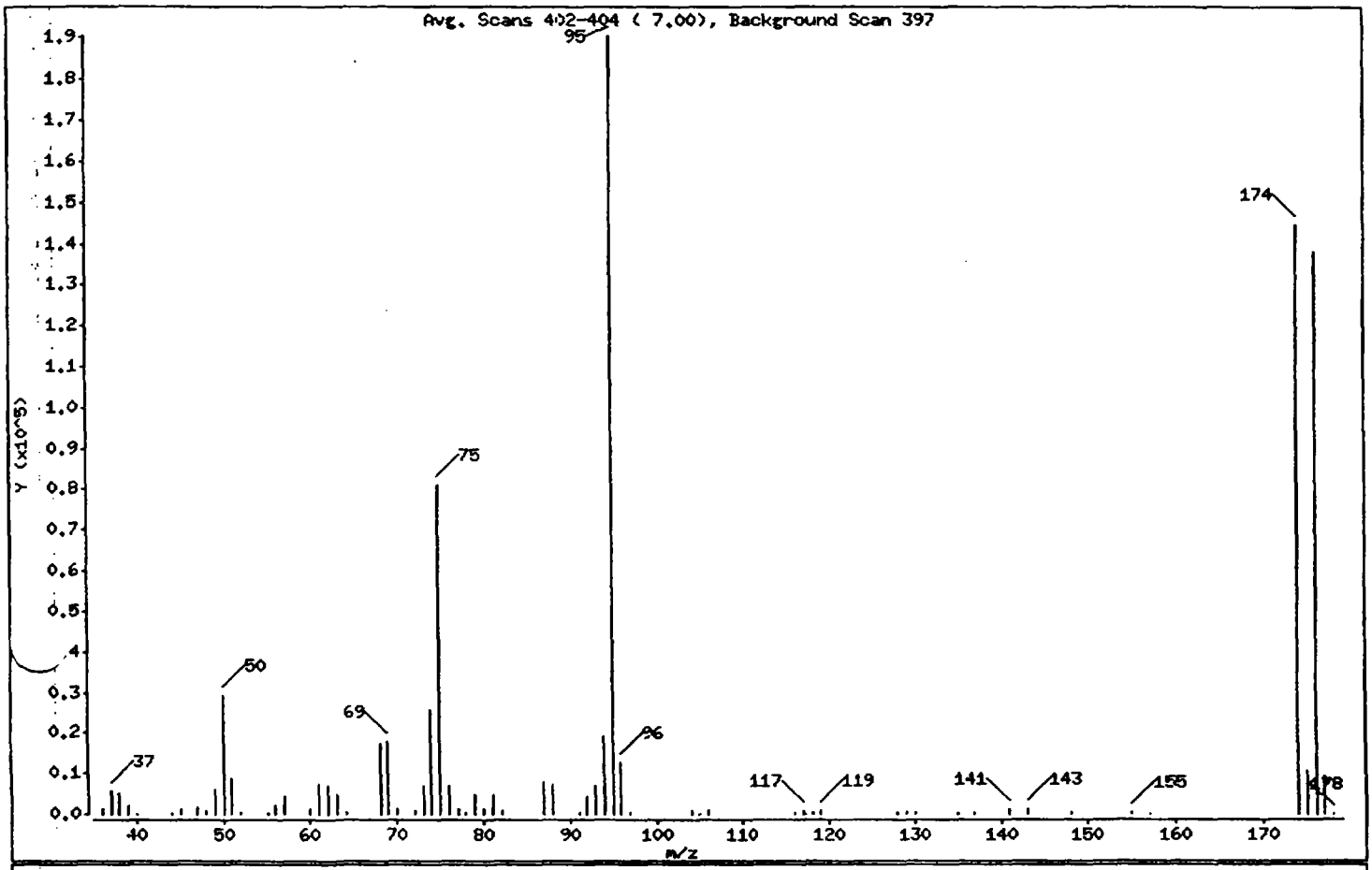
Sample Info: BFB:2473

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	15.35
75	30.00 - 60.00% of mass 95	42.52
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.86
175	5.00 - 9.00% of mass 174	5.41 (7.13)
176	95.00 - 101.00% of mass 174	72.35 (95.38)
177	5.00 - 9.00% of mass 176	4.86 (6.72)

Data File: /chem/5972hp59.i/DF050923A59.b/BF050923A59.d

Date : 23-SEP-2005 09:36

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BF050923A59.d

Spectrum: Avg. Scans 402-404 (7.00), Background Scan 397

Location of Maximum: 95.00

Number of points: 66

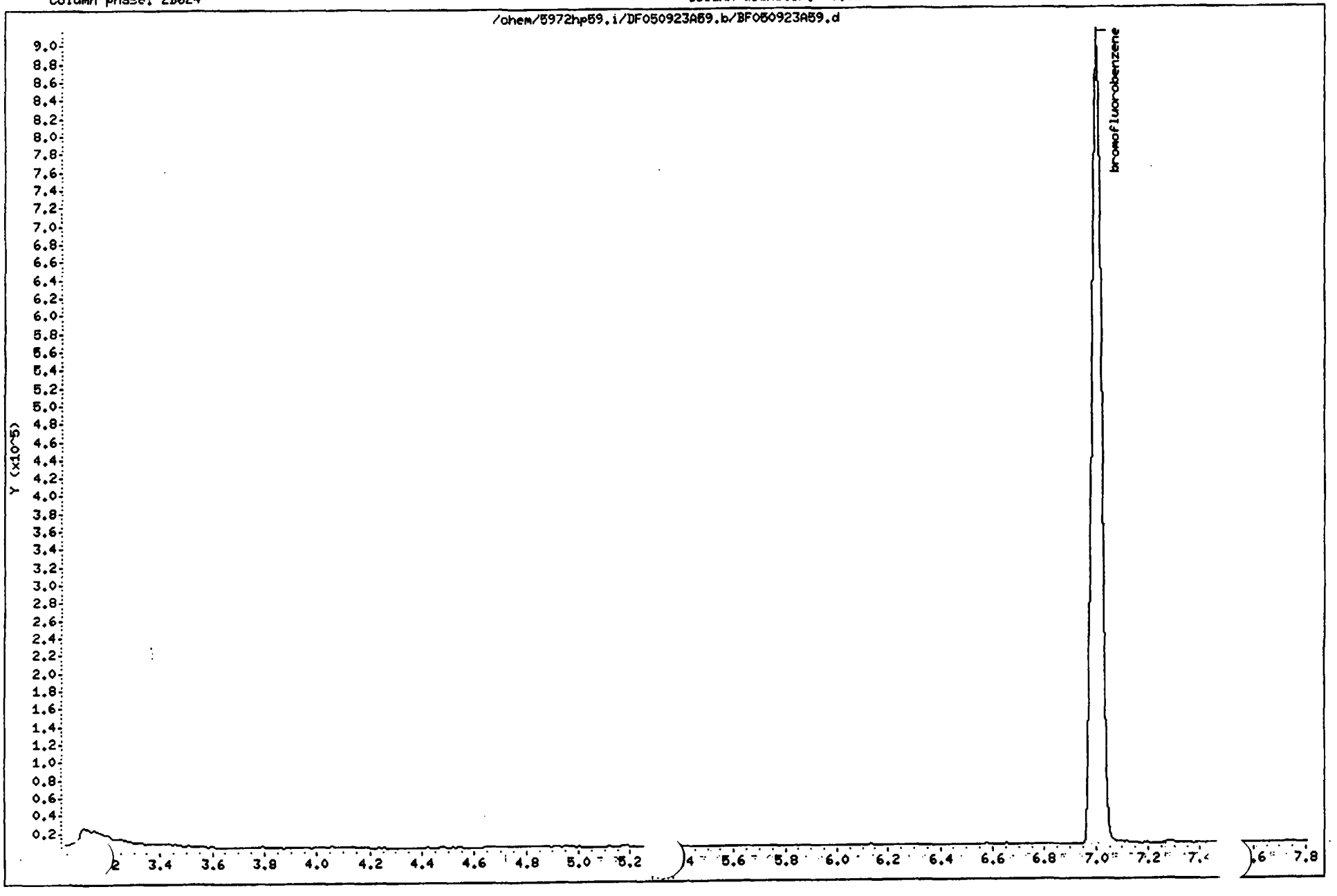
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1230	61.00	7315	82.00	1077	128.00	590
37.00	5609	62.00	6833	87.00	7951	129.00	243
38.00	5123	63.00	4991	88.00	7441	130.00	582
39.00	2088	64.00	550	91.00	601	135.00	234
40.00	134	68.00	17680	92.00	4442	137.00	227
44.00	613	69.00	18016	93.00	7079	141.00	1291
45.00	1270	70.00	1293	94.00	19472	143.00	1440
47.00	1747	72.00	771	95.00	190656	148.00	245
48.00	888	73.00	7143	96.00	12499	155.00	412
49.00	6025	74.00	26016	97.00	427	157.00	109
50.00	29272	75.00	81088	104.00	762	174.00	144640
51.00	8606	76.00	6990	105.00	112	175.00	10309
52.00	409	77.00	1109	106.00	707	176.00	137920
55.00	299	78.00	304	116.00	593	177.00	9276
56.00	2191	79.00	4770	117.00	951	178.00	111
57.00	4225	80.00	1424	118.00	449		
60.00	1408	81.00	4806	119.00	886		

Data File: /chem/5972hp59.i/DF050923A59.b/BF050923A59.d
Date : 23-SEP-2005 09:36
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32

Column phase: ZB624



Data File: /chem/5972hp59.i/DF050927B59.b/BF050927B59.d

Date : 27-SEP-2005 22:25

Client ID: BFB

Instrument: 5972hp59.i

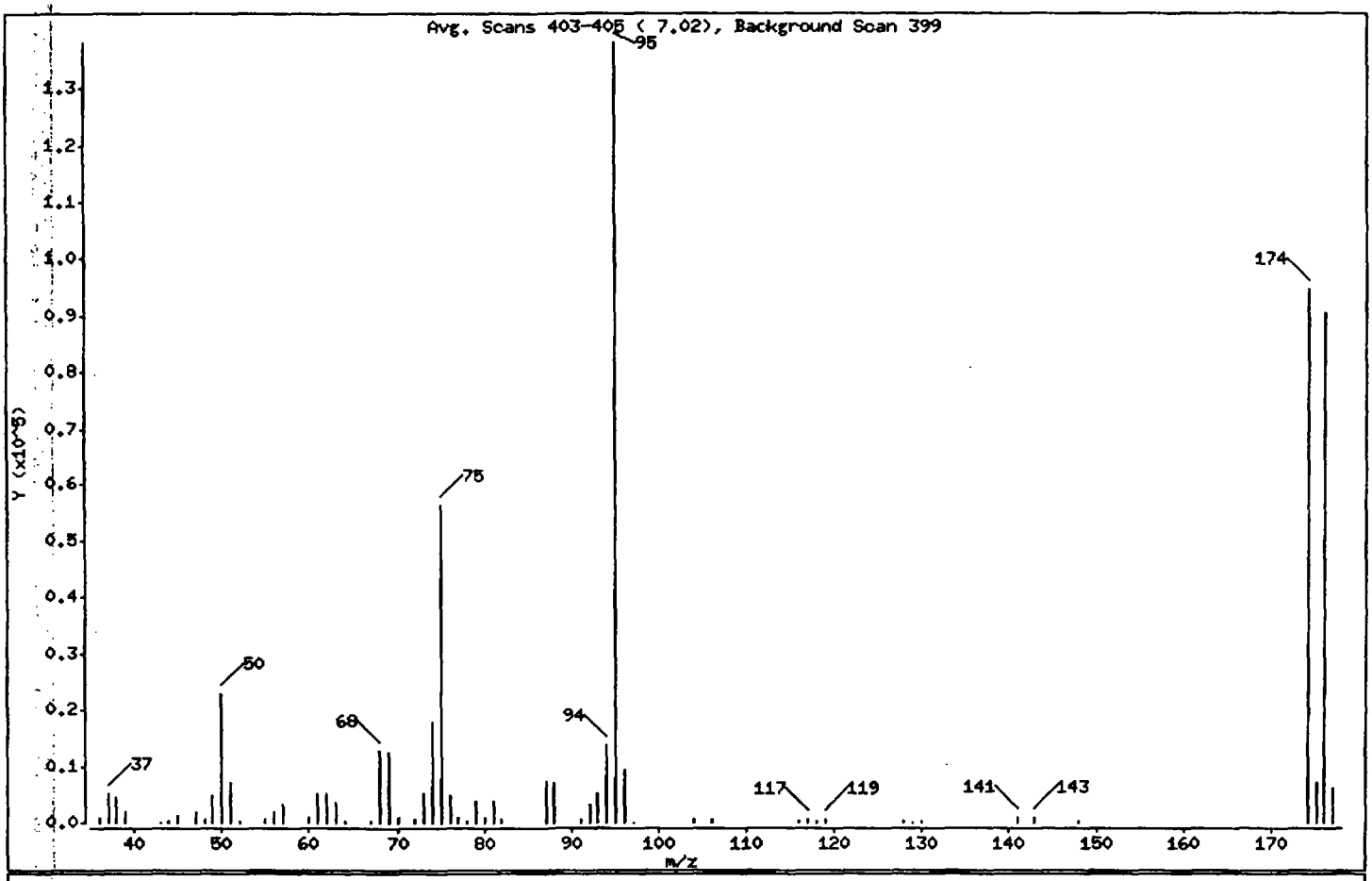
Sample Info: BFB:2481

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	16.50
75	30.00 - 60.00% of mass 95	40.76
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.54
175	5.00 - 9.00% of mass 174	5.00 (7.29)
176	95.00 - 101.00% of mass 174	65.63 (95.75)
177	5.00 - 9.00% of mass 176	4.37 (6.66)

Data File: /chem/5972hp59.i/DF050927B59.b/BF050927B59.d

Date : 27-SEP-2005 22:25

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2481

Operator: 2481

Column phase: ZB624

Column diameter: 0.32

Data File: BF050927B59.d
Spectrum: Avg. Scans 403-405 (7.02), Background Scan 399
Location of Maximum: 95.00
Number of points: 61

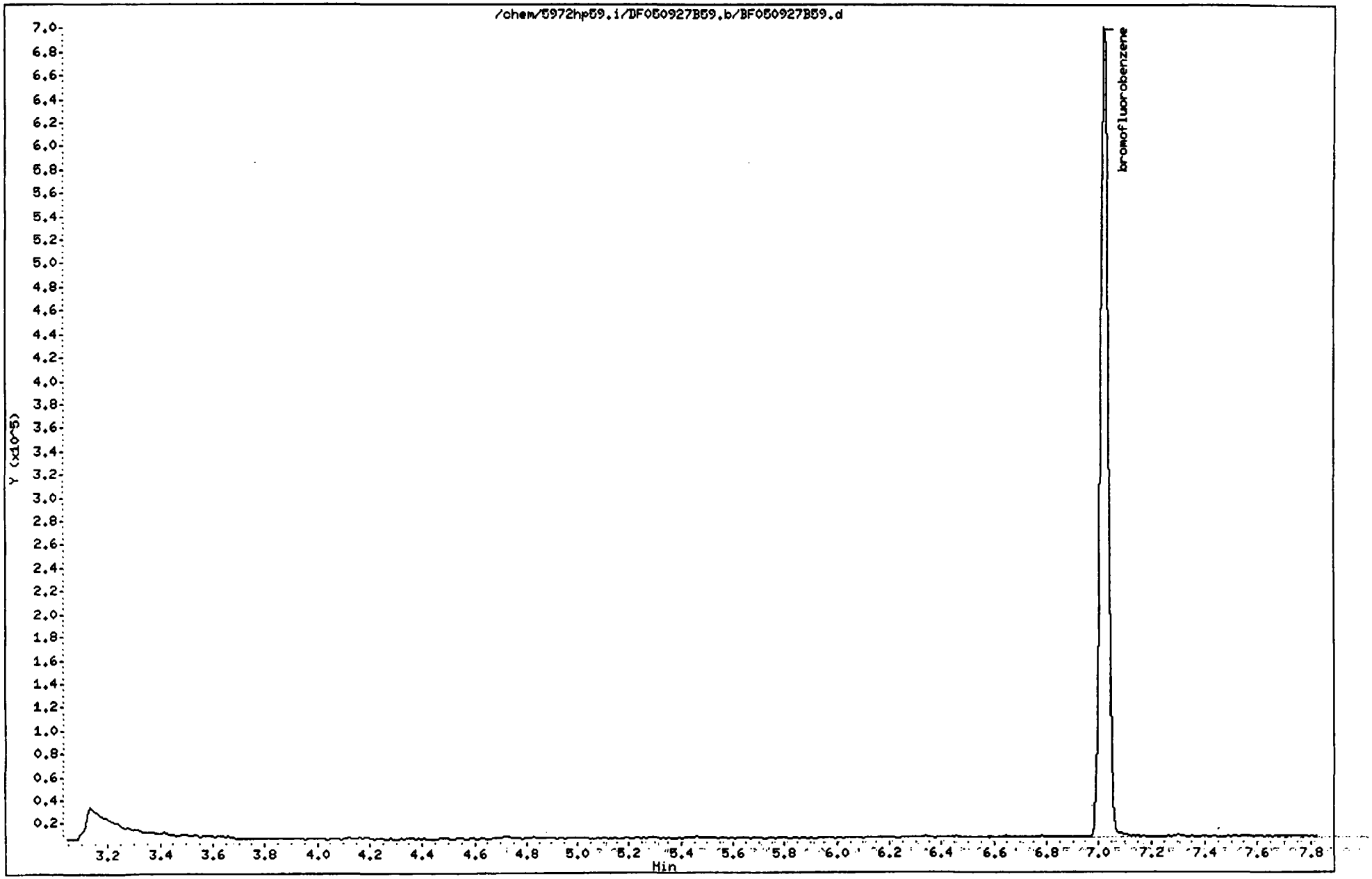
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1059	60.00	1047	79.00	3749	117.00	734
37.00	5192	61.00	5112	80.00	1068	118.00	317
38.00	4462	62.00	5101	81.00	3706	119.00	635
39.00	1821	63.00	3592	82.00	748	128.00	454
43.00	100	64.00	256	87.00	7319	129.00	100
44.00	396	67.00	164	88.00	7115	130.00	299
45.00	1287	68.00	12867	91.00	557	141.00	928
47.00	1977	69.00	12378	92.00	3116	143.00	889
48.00	716	70.00	1052	93.00	4962	148.00	230
49.00	4653	72.00	626	94.00	13763	174.00	94608
50.00	22776	73.00	5224	95.00	137984	175.00	6901
51.00	6967	74.00	17832	96.00	9263	176.00	90592
52.00	254	75.00	56256	97.00	128	177.00	6037
55.00	559	76.00	4859	104.00	516		
56.00	1965	77.00	1006	106.00	555		
57.00	3261	78.00	442	116.00	319		

Data File: /chem/5972hp59.i/DF050927B59.b/BF050927B59.d
Date : 27-SEP-2005 22:25
Client ID: BFB
Sample Info: BFB:2481

Instrument: 5972hp59.i

Operator: 2481

Column phase: ZB624
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/BF050928A59.d

Date : 28-SEP-2005 10:48

Client ID: BFB

Instrument: 5972hp59.i

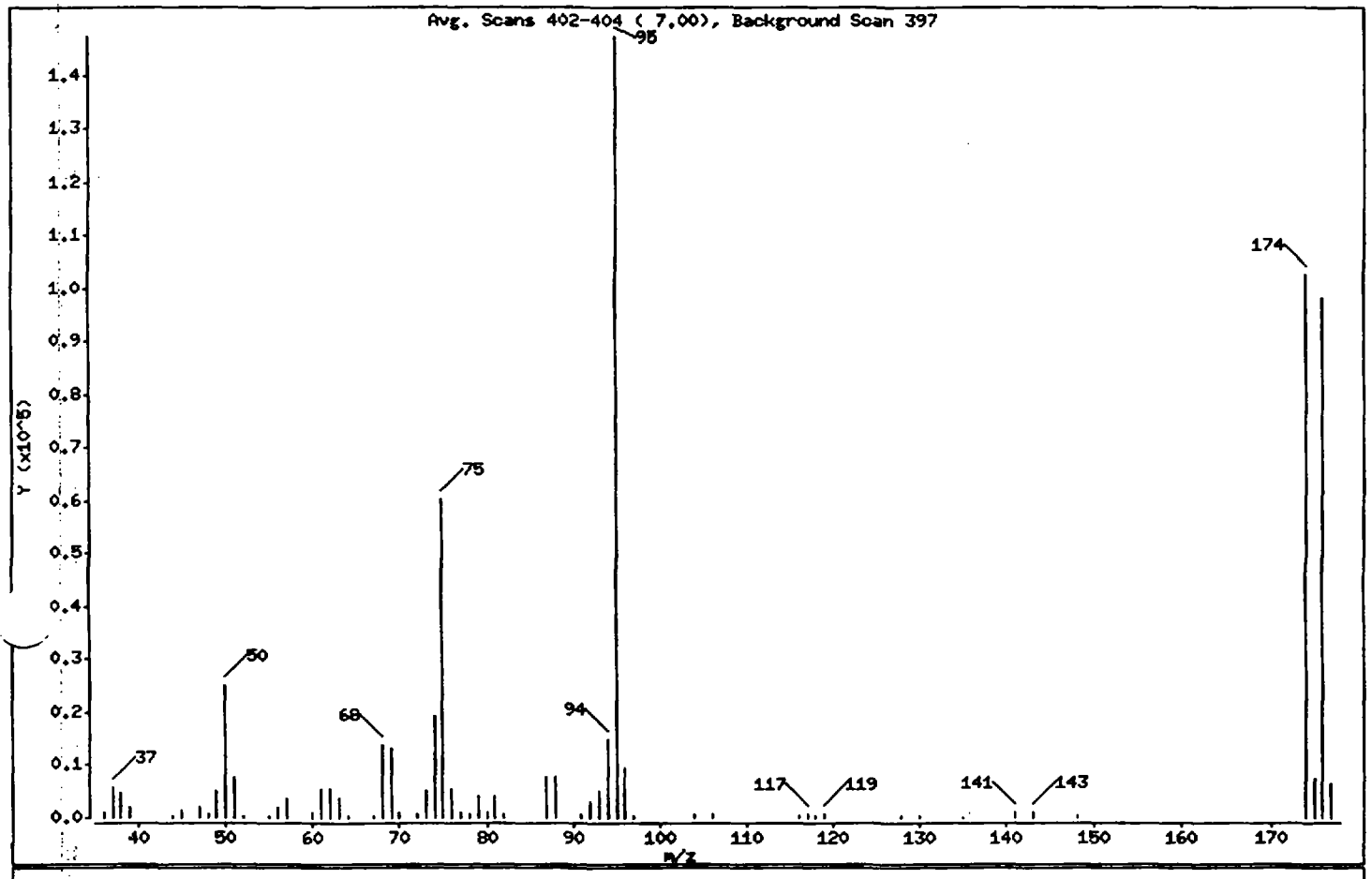
Sample Info: BFB:2473

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	16.94
75	30.00 - 60.00% of mass 95	40.92
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	69.70
175	5.00 - 9.00% of mass 174	4.96 (7.12)
176	95.00 - 101.00% of mass 174	66.75 (95.76)
177	5.00 - 9.00% of mass 176	4.36 (6.53)

Data File: /chem/5972hp59.i/DF050928A59.b/BF050928A59.d

Date : 28-SEP-2005 10:48

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BF050928A59.d

Spectrum: Avg. Scans 402-404 (7.00), Background Scan 397

Location of Maximum: 95.00

Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1077	61.00	5416	80.00	1040	118.00	423
37.00	5624	62.00	5395	81.00	3931	119.00	551
38.00	4716	63.00	3888	82.00	788	128.00	399
39.00	1983	64.00	260	87.00	7858	130.00	478
44.00	239	67.00	411	88.00	7696	135.00	105
45.00	1307	68.00	13801	91.00	525	141.00	937
47.00	2004	69.00	13324	92.00	3207	143.00	967
48.00	752	70.00	1046	93.00	5124	148.00	219
49.00	5209	72.00	663	94.00	14782	174.00	102736
50.00	24968	73.00	5125	95.00	147392	175.00	7312
51.00	7642	74.00	19360	96.00	9589	176.00	98376
52.00	356	75.00	60312	97.00	230	177.00	6420
55.00	453	76.00	5259	104.00	540		
56.00	1698	77.00	946	106.00	548		
57.00	3673	78.00	706	116.00	432		
60.00	1185	79.00	4047	117.00	753		

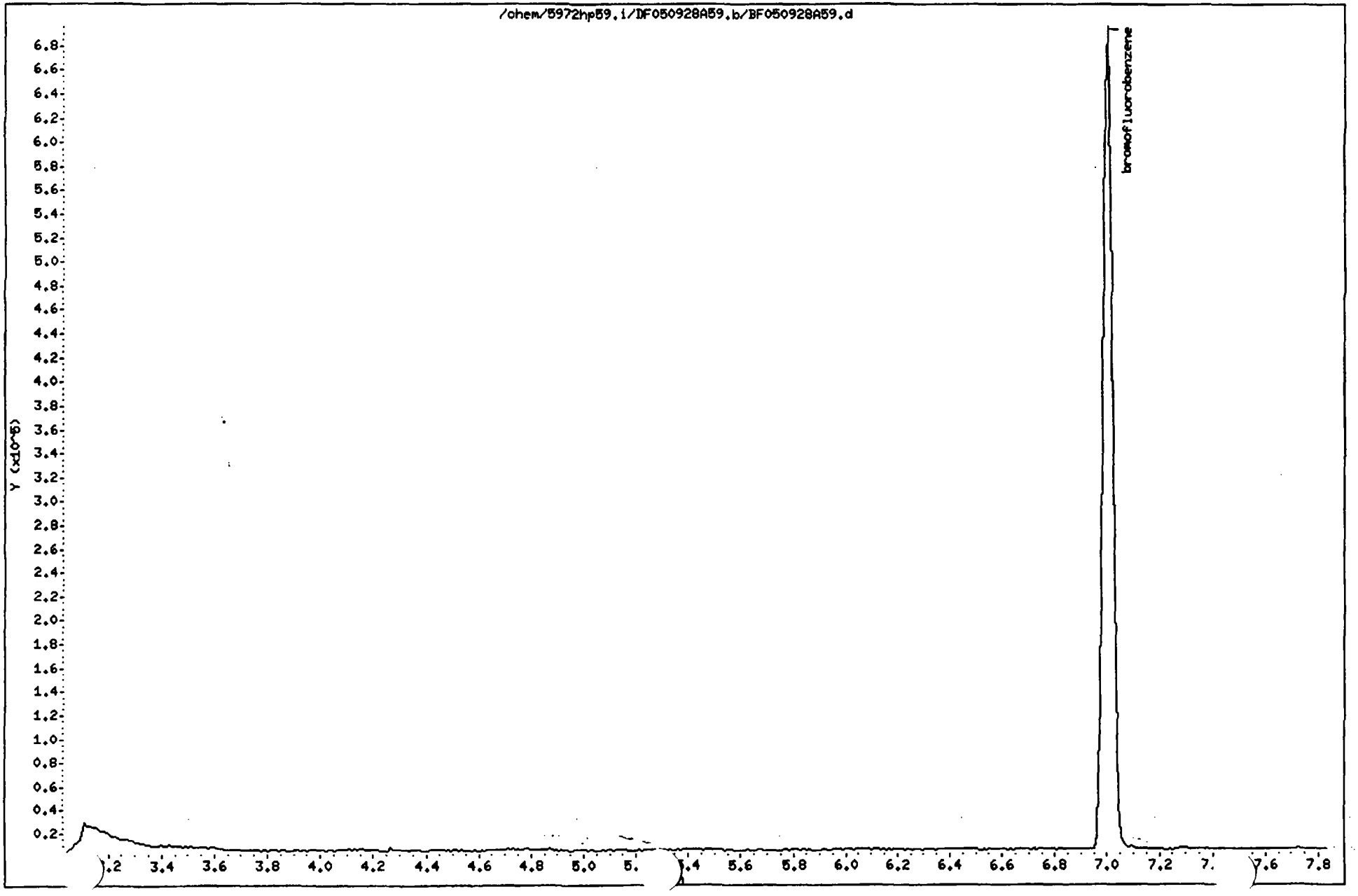
Data File: /chem/5972hp59.i/DF050928A59.b/BF050928A59.d
Date : 28-SEP-2005 10:48
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473

Column phase: ZB624

Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050929A59.b/BF050929A59.d

Date : 29-SEP-2005 09:16

Client ID: BFB

Instrument: 5972hp59.i

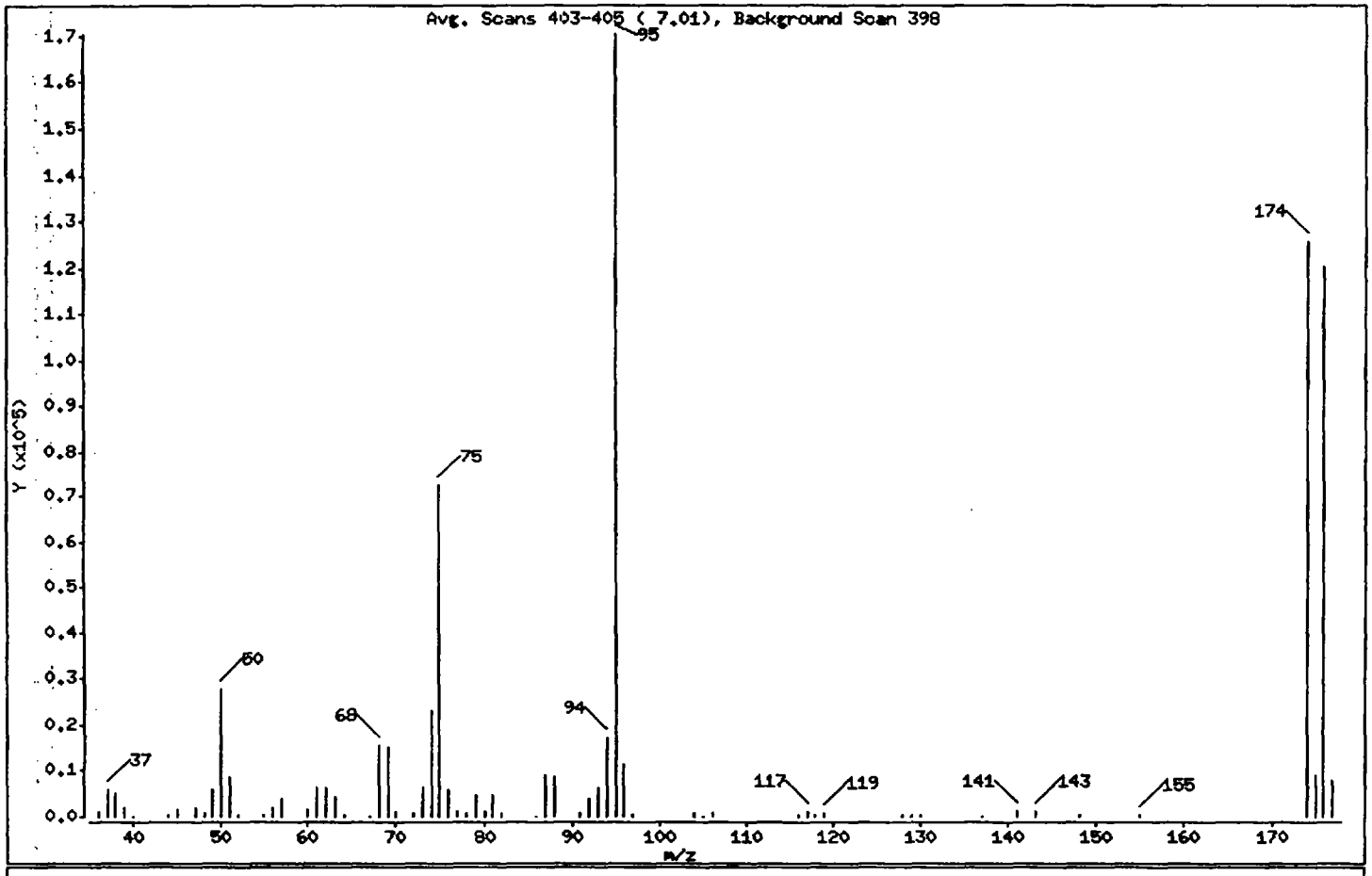
Sample Info: BFB:2473

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	16.23
75	30.00 - 60.00% of mass 95	42.41
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	73.74
175	5.00 - 9.00% of mass 174	5.26 (7.13)
176	95.00 - 101.00% of mass 174	70.47 (95.58)
177	5.00 - 9.00% of mass 176	4.60 (6.53)

Data File: /chem/5972hp59.i/DF050929A59.b/BF050929A59.d

Date : 29-SEP-2005 09:16

Client ID: BFB

Instrument: 5972hp59.i

Sample Info: BFB:2473

Operator: 2473

Column phase: ZB624

Column diameter: 0.32

Data File: BF050929A59.d

Spectrum: Avg. Scans 403-405 (7.01), Background Scan 398

Location of Maximum: 95.00

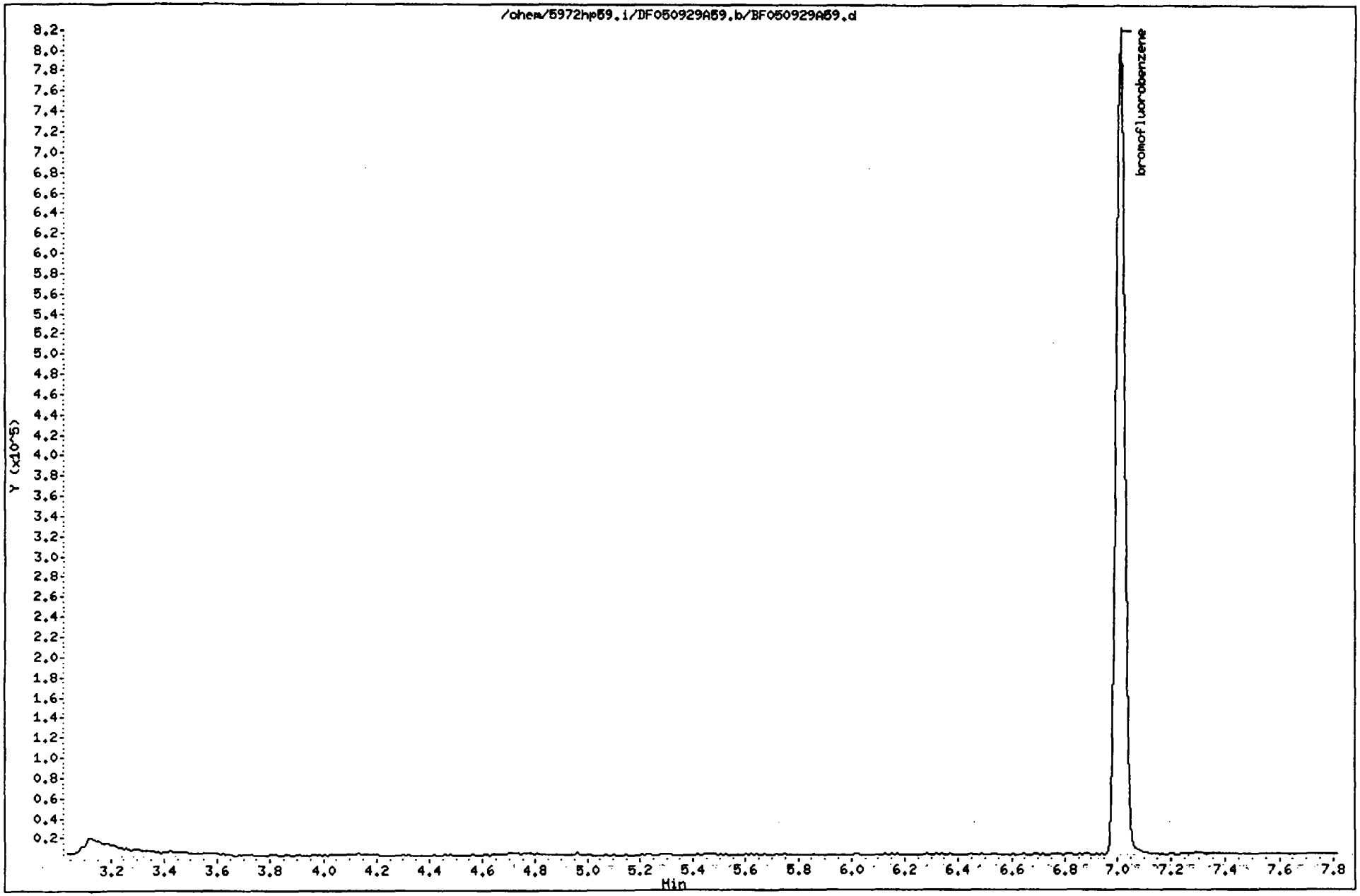
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1154	61.00	6349	81.00	4759	118.00	493
37.00	5696	62.00	6201	82.00	890	119.00	742
38.00	4896	63.00	4321	86.00	102	128.00	535
39.00	2128	64.00	428	87.00	9127	129.00	217
40.00	47	67.00	182	88.00	8550	130.00	541
44.00	570	68.00	15736	91.00	703	137.00	108
45.00	1427	69.00	15430	92.00	3927	141.00	1203
47.00	1932	70.00	1179	93.00	6420	143.00	1274
48.00	813	72.00	734	94.00	17216	148.00	238
49.00	5843	73.00	6218	95.00	170368	155.00	245
50.00	27656	74.00	23216	96.00	11489	174.00	125656
51.00	8537	75.00	72272	97.00	228	175.00	6956
52.00	399	76.00	6011	104.00	741	176.00	120096
55.00	541	77.00	1109	105.00	103	177.00	7837
56.00	2081	78.00	869	106.00	667		
57.00	4069	79.00	4750	116.00	478		
60.00	1371	80.00	1149	117.00	999		

Data File: /chem/5972hp59.i/DF050929A59.b/BF050929A59.d
Date : 29-SEP-2005 09:16
Client ID: BFB
Sample Info: BFB:2473

Instrument: 5972hp59.i

Operator: 2473
Column phase: ZB624
Column diameter: 0.32

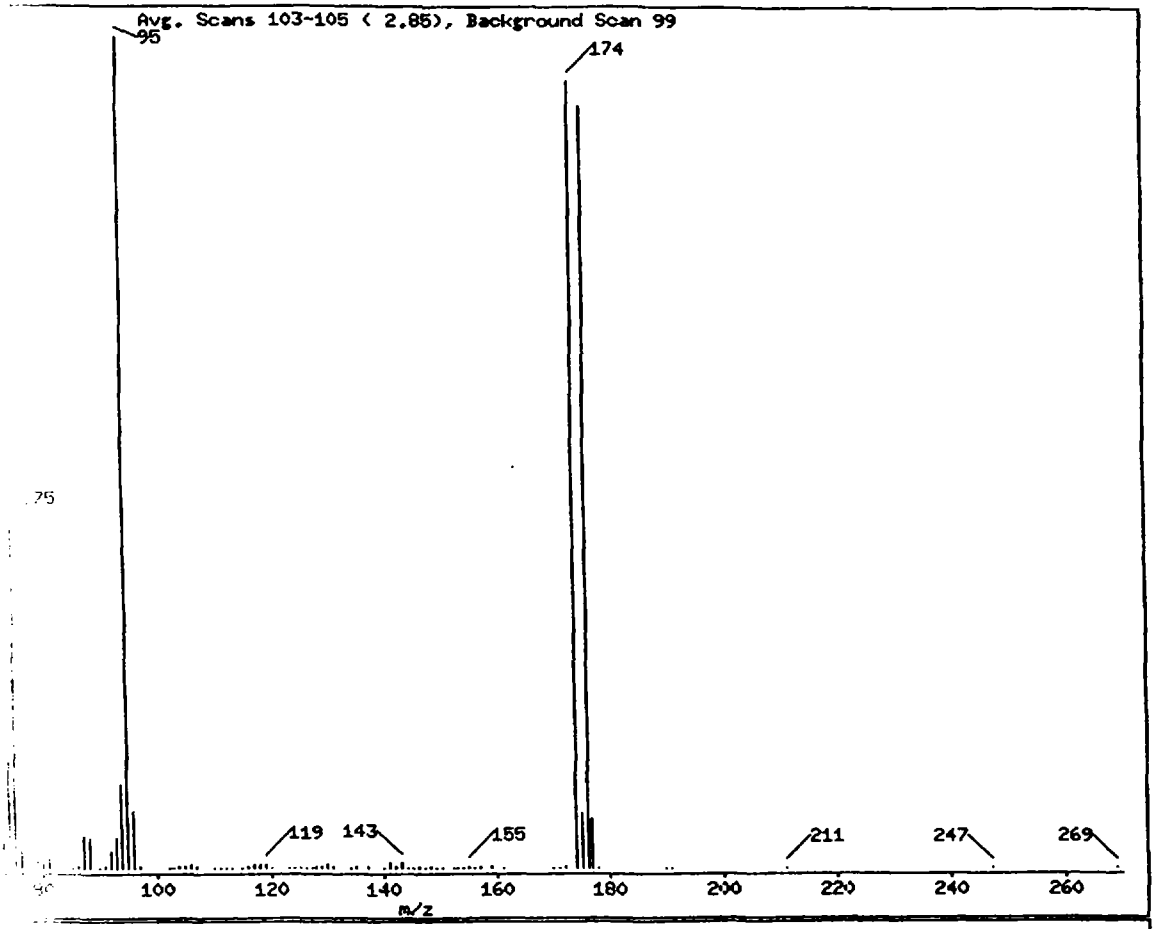


.i/DF050912A62.b/BF050912A62.d

Instrument: 5973hp62.i

Operator: 2323

Column diameter: 0.18



ON ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
ase Peak, 100% relative abundance	100.00
.00 - 40.00% of mass 95	16.85
.00 - 60.00% of mass 95	40.81
.00 - 9.00% of mass 95	6.86
ess than 2.00% of mass 174	0.00 (0.00)
eater than 50.00% of mass 95	94.73
.00 - 9.00% of mass 174	6.62 (6.99)
.00 - 101.00% of mass 174	91.70 (96.80)
.00 - 9.00% of mass 176	5.93 (6.46)

Data File: /chem/5973hp62.i/DF050912A62.b/BF050912A62.d

Date : 12-SEP-2005 13:26

Client ID: BFB | Instrument: 5973hp62.i

Sample Info:

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

Data File: BF050912A62.d

Spectrum: Avg. Scans 103-105 (2.85), Background Scan 99

Location of Maximum: 95.00

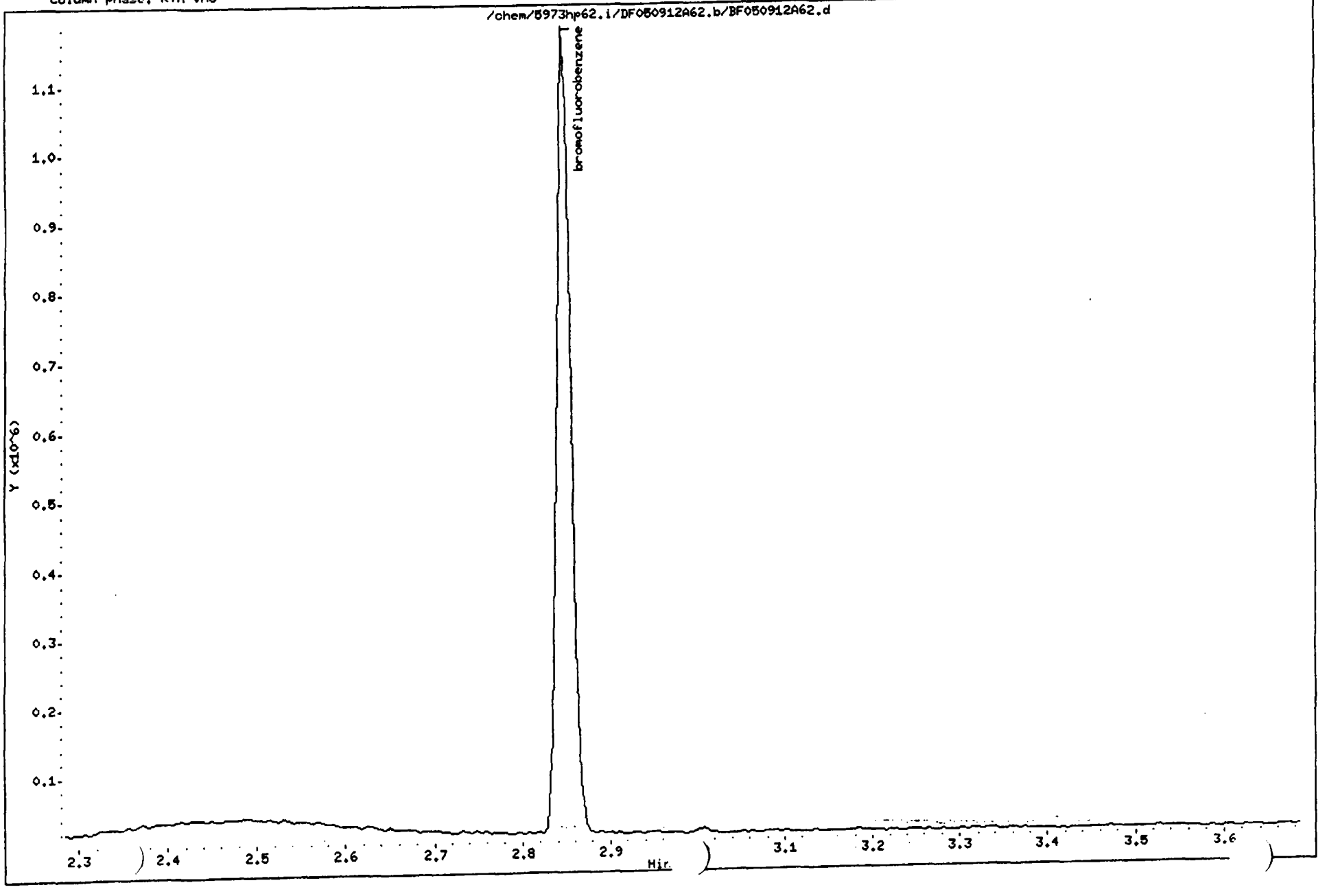
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	391	70.00	1169	105.00	294	145.00	220
36.00	595	71.00	57	106.00	835	146.00	399
37.00	7460	72.00	757	107.00	246	147.00	211
38.00	6692	73.00	7313	110.00	79	148.00	357
39.00	2624	74.00	26608	111.00	191	149.00	128
41.00	45	75.00	83624	112.00	109	150.00	152
43.00	159	76.00	6830	113.00	123	152.00	203
44.00	609	77.00	1291	115.00	65	153.00	168
45.00	1874	78.00	653	116.00	619	154.00	128
46.00	11	79.00	3642	117.00	823	155.00	649
47.00	2191	80.00	827	118.00	730	156.00	100
48.00	861	81.00	3708	119.00	920	157.00	281
49.00	6400	82.00	550	120.00	60	159.00	264
50.00	34520	83.00	217	123.00	106	161.00	223
51.00	10286	84.00	76	124.00	136	170.00	81
52.00	559	85.00	142	125.00	37	171.00	171
55.00	343	86.00	364	126.00	132	172.00	308
56.00	2405	87.00	8082	127.00	41	174.00	194112
57.00	4082	88.00	7735	128.00	475	175.00	13568
58.00	266	90.00	41	129.00	362	176.00	187904
60.00	1384	91.00	594	130.00	723	177.00	12148
61.00	6388	92.00	4421	131.00	320	178.00	183
62.00	6802	93.00	7610	134.00	44	190.00	40
63.00	5225	94.00	20488	135.00	378	191.00	88
64.00	487	95.00	204864	137.00	272	211.00	36
65.00	227	96.00	14058	140.00	110	247.00	50
66.00	16	97.00	342	141.00	1274	269.00	39
67.00	315	102.00	49	142.00	280		
68.00	17640	103.00	112	143.00	1640		
69.00	16896	104.00	517	144.00	161		

Data File: /chem/5973hp62.i/DF050912A62.b/BF050912A62.d
Date : 12-SEP-2005 13:26
Client ID: BFB
Sample Info:
Volume Injected (uL): 2.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/BF050922B62.d

Date : 22-SEP-2005 17:37

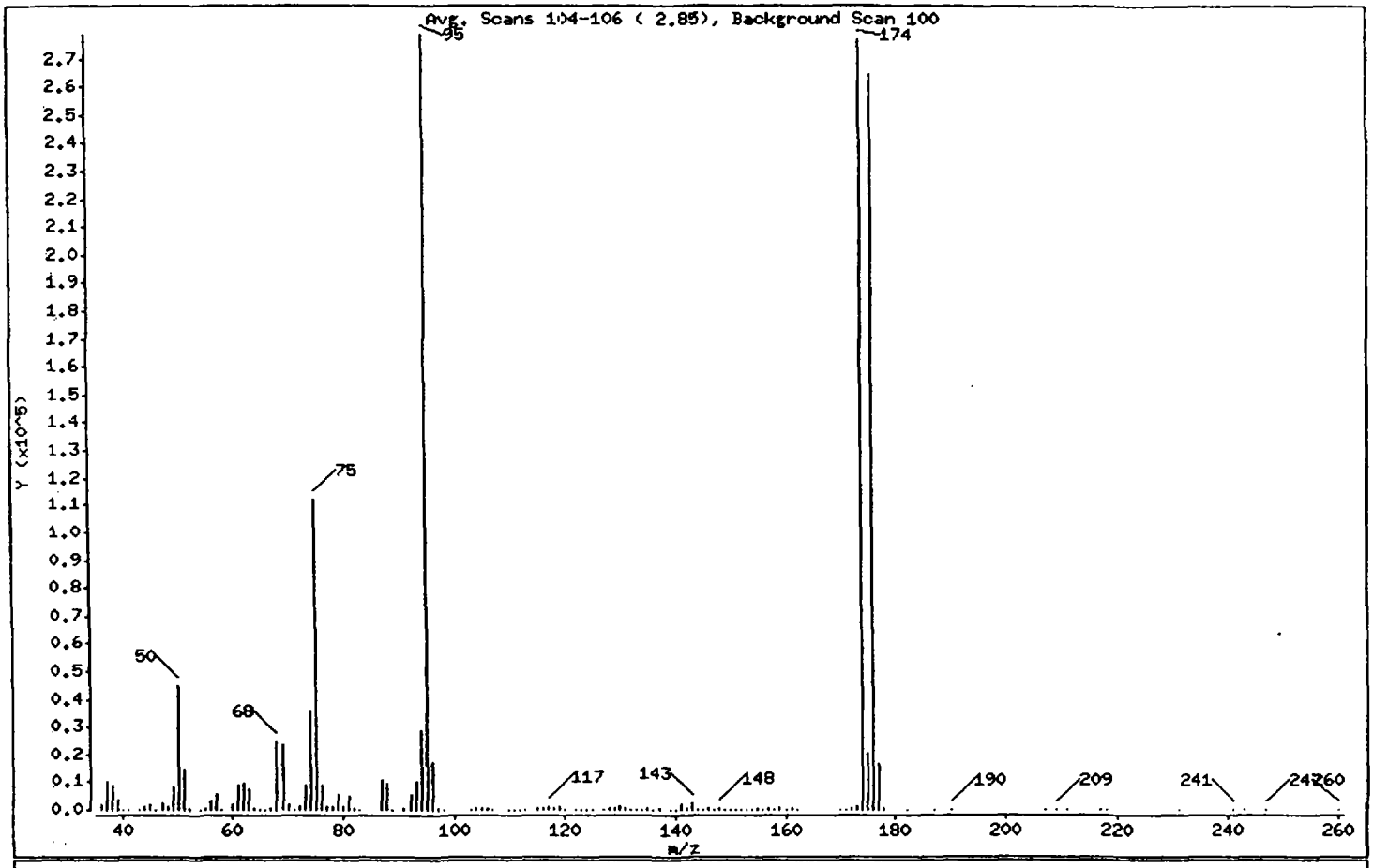
Client ID: BFB | Instrument: 5973hp62.i

Sample Info: BFB:2323

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

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	16.20
75	30.00 - 60.00% of mass 95	40.15
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.48 (0.48)
174	Greater than 50.00% of mass 95	99.37
175	5.00 - 9.00% of mass 174	7.26 (7.30)
176	95.00 - 101.00% of mass 174	94.88 (95.49)
177	5.00 - 9.00% of mass 176	5.93 (6.25)

Data File: /chem/5973hp62.i/BF050922B62.b/BF050922B62.d

Date : 22-SEP-2005 17:37

Client ID: BFB | Instrument: 5973hp62.i

Sample Info: BFB:2323

Volume Injected (uL): 2.0 | Operator: 2323

Column phase: RTX-VMS | Column diameter: 0.18

Data File: BF050922B62.d

Spectrum: Avg. Scans 104-106 (2.85), Background Scan 100

Location of Maximum: 95.00

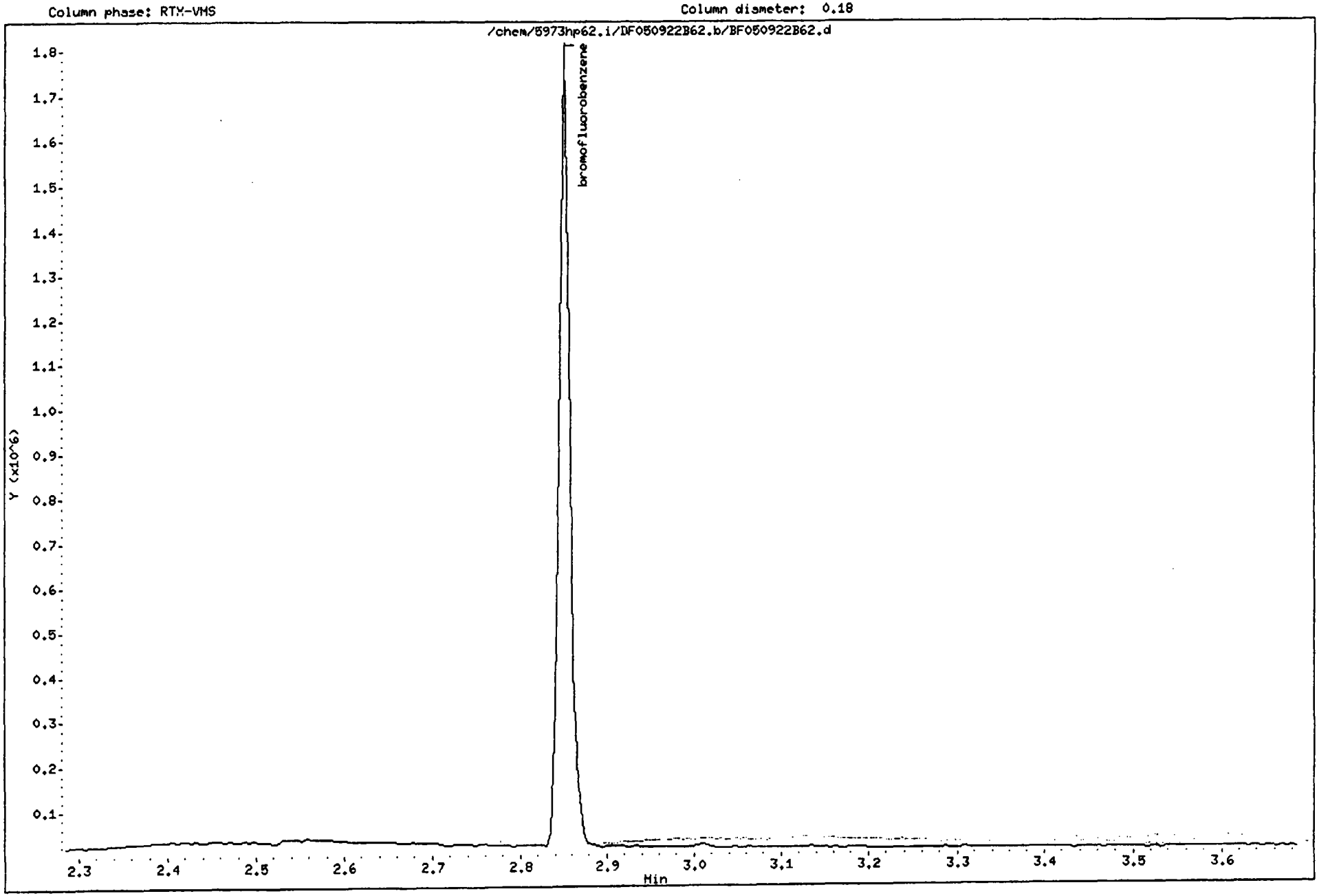
Number of points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2084	73.00	9043	118.00	691	155.00	668
37.00	10158	74.00	36000	119.00	1167	156.00	125
38.00	8917	75.00	111896	120.00	48	157.00	464
39.00	3838	76.00	9273	122.00	126	158.00	143
40.00	120	77.00	1241	123.00	220	159.00	325
41.00	29	78.00	1182	124.00	175	160.00	34
43.00	142	79.00	5446	125.00	157	161.00	386
44.00	1049	80.00	1442	127.00	174	162.00	38
45.00	2090	81.00	5186	128.00	839	170.00	165
46.00	104	82.00	727	129.00	359	171.00	263
47.00	2829	83.00	210	130.00	1069	172.00	450
48.00	1268	87.00	11171	131.00	390	173.00	1334
49.00	8317	88.00	9687	132.00	37	174.00	276928
50.00	45136	89.00	38	133.00	42	175.00	20216
51.00	14558	91.00	593	134.00	103	176.00	264448
52.00	427	92.00	5979	135.00	480	177.00	16512
54.00	218	93.00	10263	136.00	43	178.00	734
55.00	535	94.00	28792	137.00	447	182.00	59
56.00	3105	95.00	278656	139.00	42	187.00	34
57.00	5692	96.00	17552	140.00	228	190.00	88
58.00	174	97.00	412	141.00	1773	207.00	4
60.00	1694	98.00	100	142.00	368	209.00	83
61.00	8990	103.00	163	143.00	2471	211.00	41
62.00	9319	104.00	948	144.00	122	217.00	45
63.00	7428	105.00	470	145.00	238	218.00	40
64.00	575	106.00	924	146.00	606	231.00	45
65.00	18	107.00	192	147.00	266	241.00	56
66.00	137	110.00	143	148.00	810	243.00	47
67.00	661	111.00	179	149.00	189	247.00	50
68.00	25200	112.00	44	150.00	292	260.00	34
69.00	23512	113.00	206	151.00	83		
70.00	1694	115.00	368	152.00	56		
71.00	117	116.00	907	153.00	243		
72.00	1142	117.00	1438	154.00	159		

Data File: /chem/5973hp62.i/DF050922B62.b/BF050922B62.d
Date : 22-SEP-2005 17:37
Client ID: BFB
Sample Info: BFB:2323
Volume Injected (uL): 2.0
Column phase: RTX-VMS

Instrument: 5973hp62.i

Operator: 2323
Column diameter: 0.18



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.

VBLKBW

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	0.94	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	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.

VBLKBW

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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

VBLKBW

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80445

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80445A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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.				
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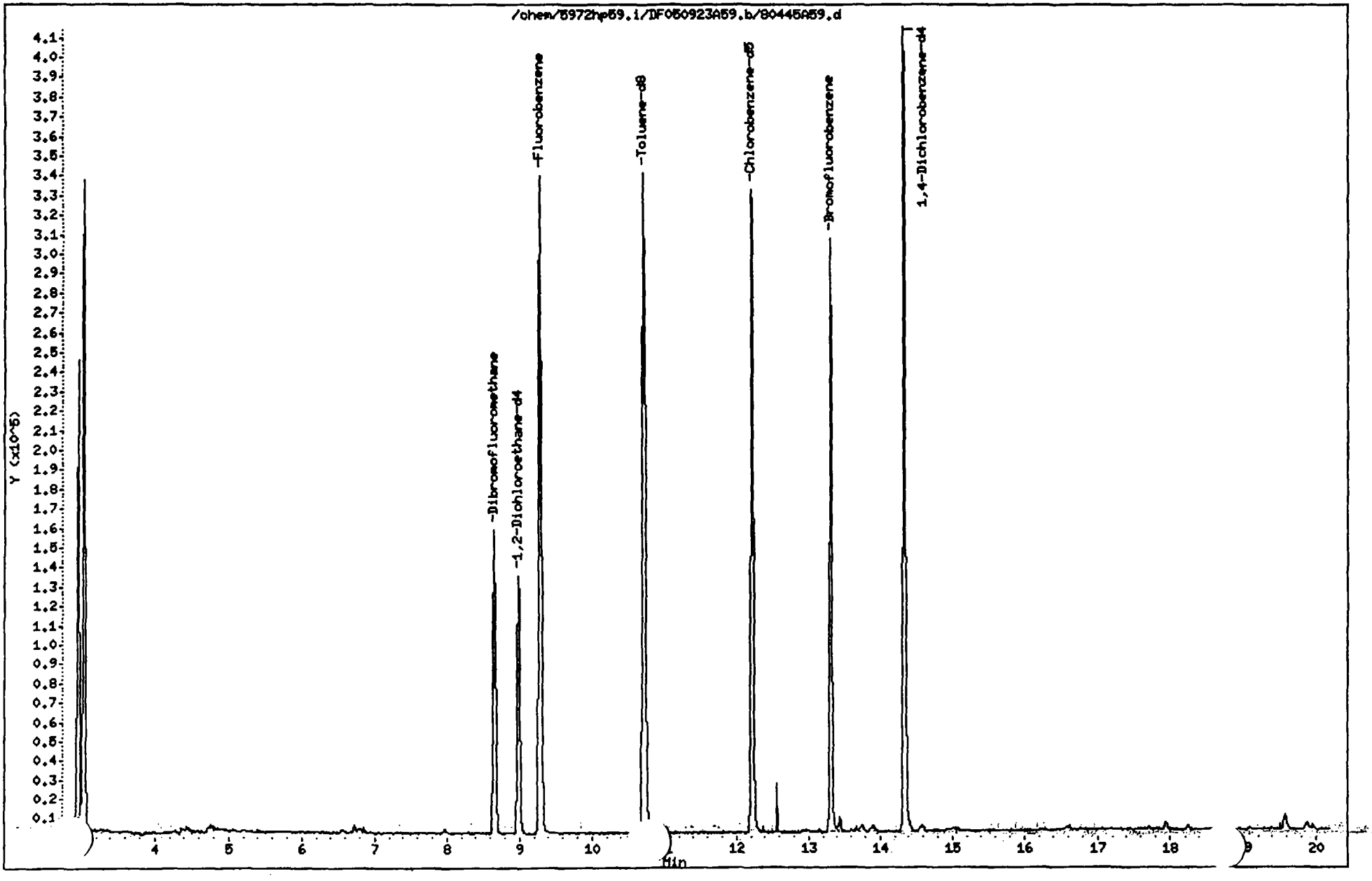
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050923A59.b/80445A59.d
Date : 23-SEP-2005 10:42
Client ID: VBLKBW
Sample Info: 80445:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050923A59.b/80445A59.d
Report Date: 26-Sep-2005 01:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/80445A59.d
Lab Smp Id: 80445 Client Smp ID: VBLKBW
Inj Date : 23-SEP-2005 10:42
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80445:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 6 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	9.281	9.296	(1.000)	408519	250.000	
* 2 Chlorobenzene-d5	117	12.222	12.218	(1.000)	274086	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.333	(1.000)	146042	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.657	(0.933)	117690	232.685	47
$ 5 1,2-Dichloroethane-d4	65	8.985	8.992	(0.968)	105873	209.717	42
$ 6 Toluene-d8	98	10.717	10.713	(0.877)	356277	237.807	48
$ 7 Bromofluorobenzene	95	13.304	13.300	(0.928)	145589	227.761	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/DF050923A59.b/80445A59.d
Report Date: 26-Sep-2005 01:26

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	6.733	6.739	(0.725)	2365	4.72382	0.94(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	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.					
3 Tetrachloroethene	164	Compound Not Detected.					
4 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/DF050923A59.b/80445A59.d

Date : 23-SEP-2005 10:42

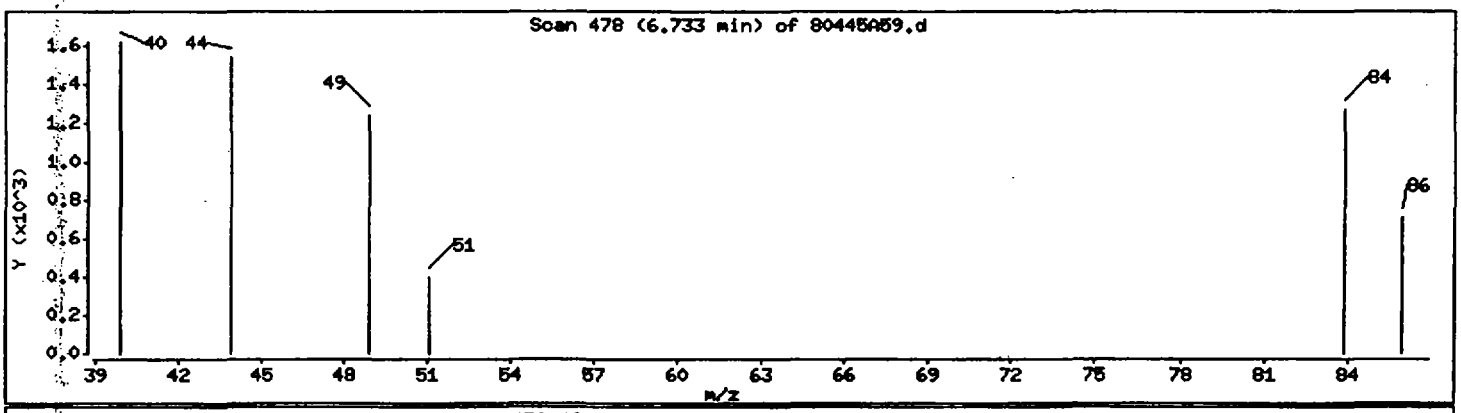
Client ID: VBLKBW | Instrument: 5972hp59.i

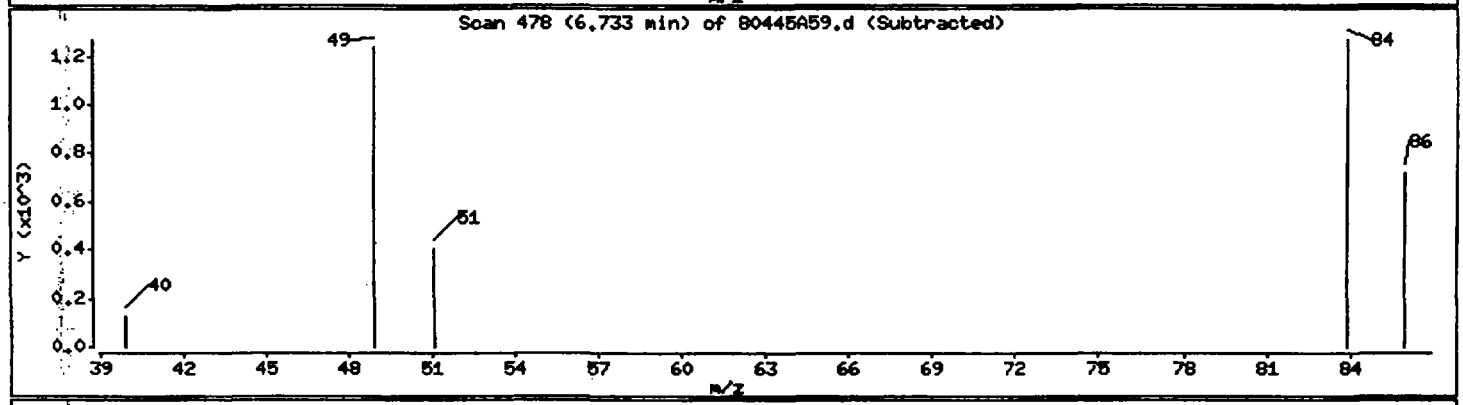
Sample Info: 80445;2473

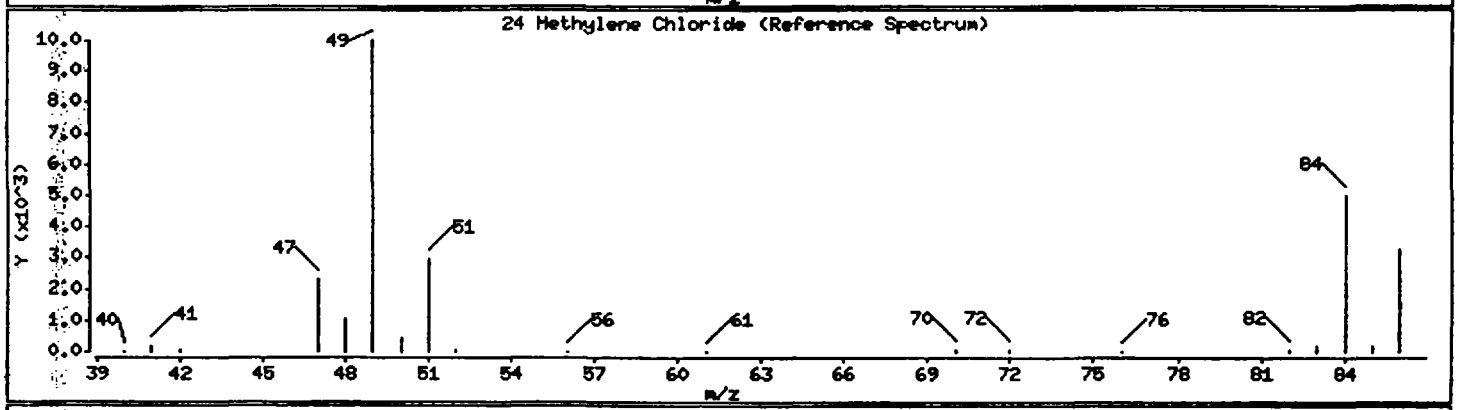
Purge Volume: 5.0 | Operator: 2473

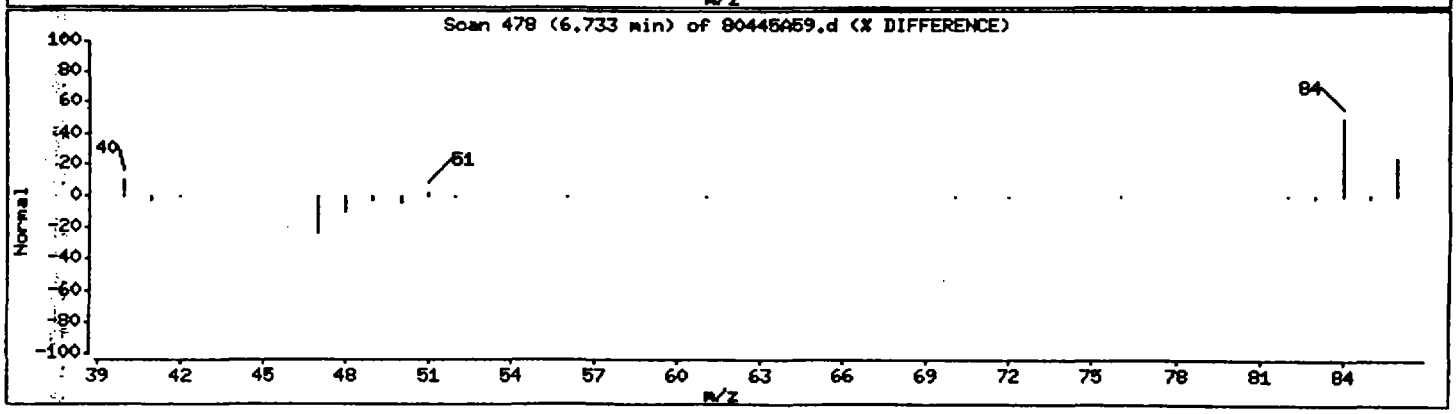
Column phase: ZB-624 | Column diameter: 0.32

24 Methylene Chloride | Concentration: 0.94 ug/L









Data File: /chem/5972hp59.i/DF050923A59.b/80445A59.d
Report Date: 26-Sep-2005 01:26

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/80445A59.d
Lab Smp Id: 80445 Client Smp ID: VBLKBW
Inj Date : 23-SEP-2005 10:42
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80445:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 6 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.

VBLKCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

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

VBLKCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80875

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80875B59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/05

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.				
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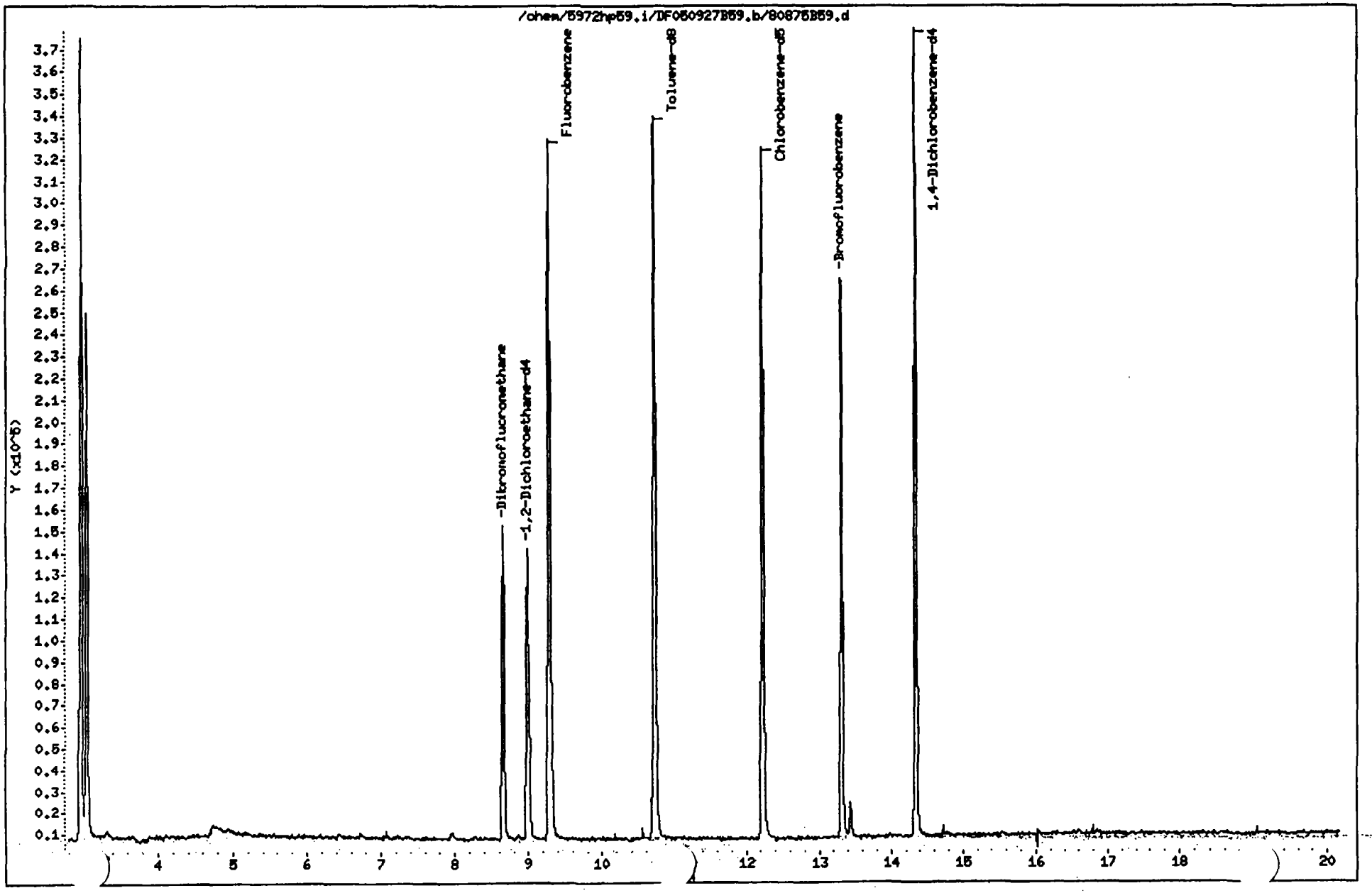
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050927B59.b/80875B59.d
Date : 27-SEP-2005 23:21
Client ID: VBLKCS
Sample Info: 80875:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/80875B59.d
Report Date: 28-Sep-2005 05:59

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/80875B59.d
Lab Smp Id: 80875 Client Smp ID: VBLKCS
Inj Date : 27-SEP-2005 23:21
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 80875:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.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	9.288	9.290	(1.000)	402233	250.000	
* 2 Chlorobenzene-d5	117	12.223	12.226	(1.000)	246376	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.341	14.333	(1.000)	122473	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.660	(0.932)	112697	240.819	48
$ 5 1,2-Dichloroethane-d4	65	8.992	8.995	(0.968)	103423	245.408	49
$ 6 Toluene-d8	98	10.726	10.728	(0.878)	345770	245.794	49
$ 7 Bromofluorobenzene	95	13.307	13.309	(0.928)	133201	234.410	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF050927B59.b/80875B59.d
Report Date: 28-Sep-2005 05:59

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.					
3 Tetrachloroethene	164	Compound Not Detected.					
4 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/DF050927B59.b/80875B59.d
Report Date: 28-Sep-2005 05:59

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/80875B59.d
Lab Smp Id: 80875 Client Smp ID: VBLKCS
Inj Date : 27-SEP-2005 23:21
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 80875:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.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.

VBLKCT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

VBLKCT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKCT

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80876

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80876A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 0

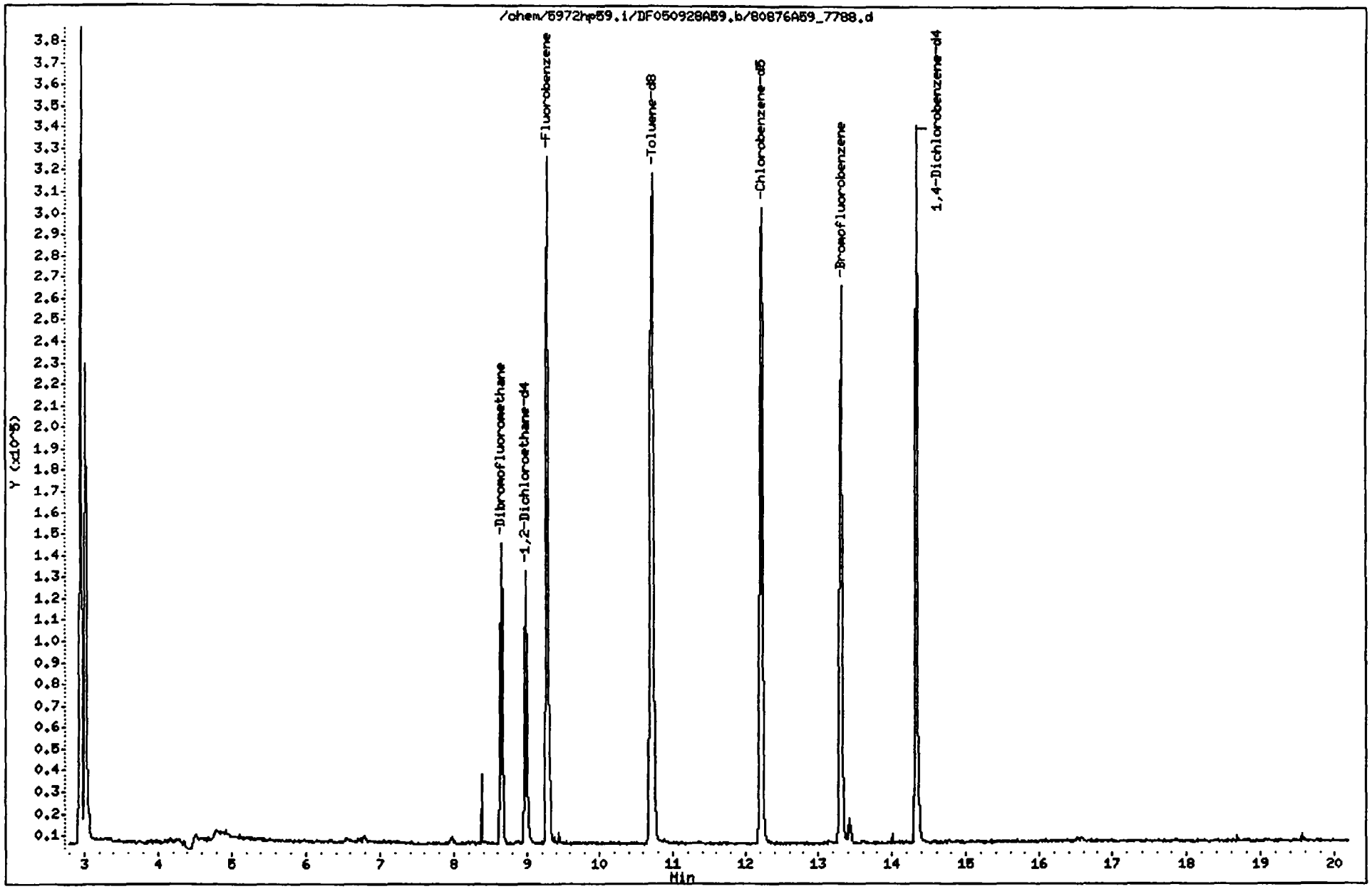
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	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/DF050928A59.b/80876A59_7788.d
Date : 28-SEP-2005 11:53
Client ID: VBLKCT
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/80876A59_7788.d
Report Date: 29-Sep-2005 00:05

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/80876A59_7788.d
Lab Smp Id: 80876 Client Smp ID: VBLKCT
Inj Date : 28-SEP-2005 11:53
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 8 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	9.275	9.284	(1.000)	375221	250.000	
* 2 Chlorobenzene-d5	117	12.220	12.219	(1.000)	233068	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.337	14.337	(1.000)	116019	250.000	
$ 4 Dibromofluoromethane	113	8.654	8.653	(0.933)	102378	234.517	47
$ 5 1,2-Dichloroethane-d4	65	8.979	8.988	(0.968)	96338	245.053	49
$ 6 Toluene-d8	98	10.713	10.712	(0.877)	325910	244.905	49
$ 7 Bromofluorobenzene	95	13.303	13.302	(0.928)	127555	236.961	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

MZ
9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/80876A59_7788.d
Report Date: 29-Sep-2005 00:05

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/DF050928A59.b/80876A59_7788.d
Report Date: 29-Sep-2005 00:05

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/80876A59_7788.d
Lab Smp Id: 80876 Client Smp ID: VBLKCT
Inj Date : 28-SEP-2005 11:53
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 8 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.

VBLKFD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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

VBLKFD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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

VBLKFD

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81312

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81312A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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.				
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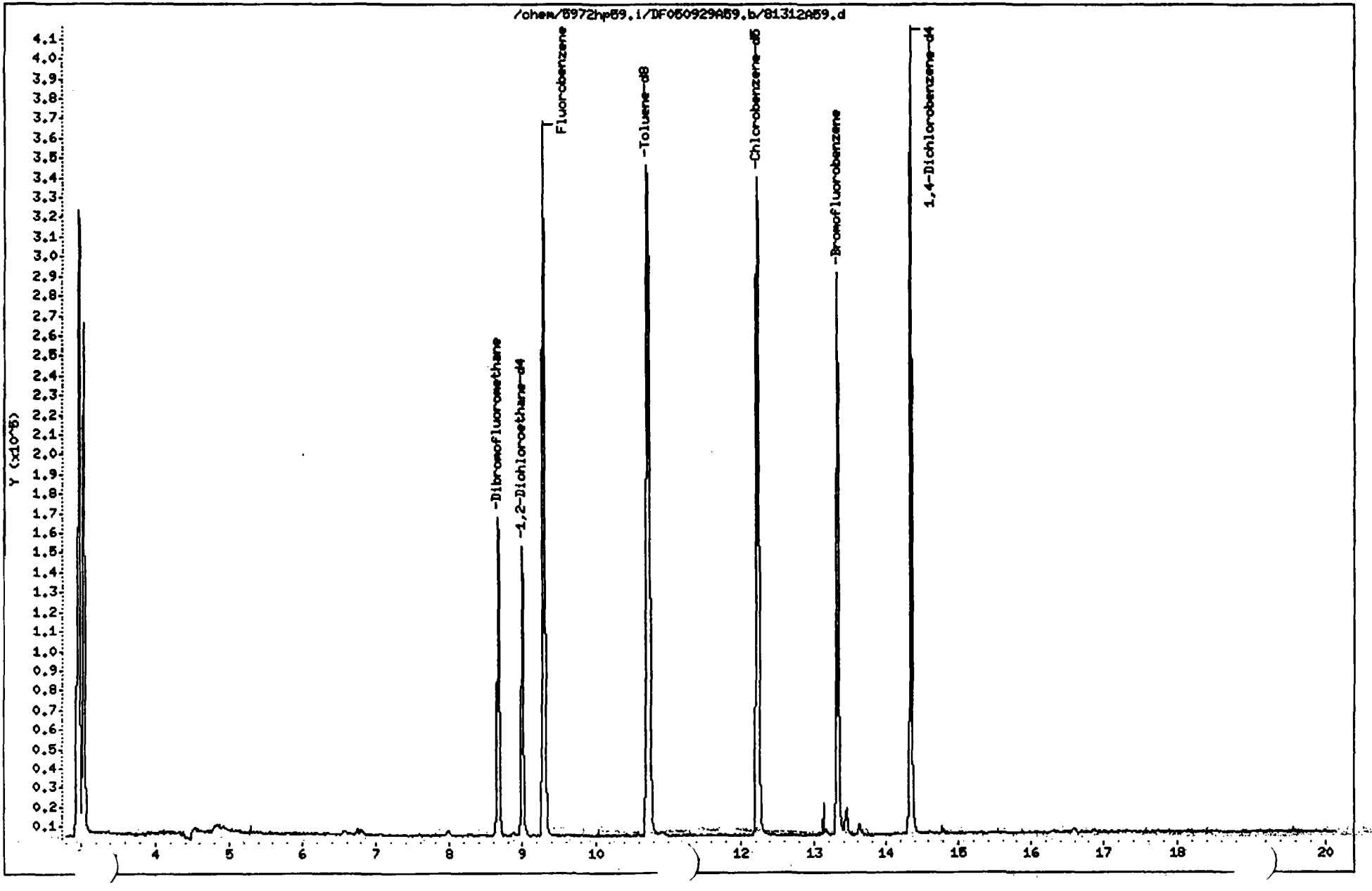
FORM I VOA-TIC

Data File: /chem/5972hp59.i/DF050929A59.b/81312A59.d
Date : 29-SEP-2005 10:37
Client ID: VBLKFD
Sample Info: 81312:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050929A59.b/81312A59.d
Report Date: 30-Sep-2005 01:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/81312A59.d
Lab Smp Id: 81312 Client Smp ID: VBLKFD
Inj Date : 29-SEP-2005 10:37
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 81312:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 8 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	9.291	9.304	(1.000)	423326	250.000	
* 2 Chlorobenzene-d5	117	12.227	12.229	(1.000)	271771	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.344	14.347	(1.000)	137386	250.000	
$ 4 Dibromofluoromethane	113	8.661	8.673	(0.932)	117623	238.677	48
$ 5 1,2-Dichloroethane-d4	65	8.996	8.999	(0.968)	107922	233.268	47
$ 6 Toluene-d8	98	10.720	10.732	(0.877)	371047	241.527	48
$ 7 Bromofluorobenzene	95	13.320	13.313	(0.929)	147023	232.343	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/DF050929A59.b/81312A59.d
Report Date: 30-Sep-2005 01:28

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.					
0 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/DF050929A59.b/81312A59.d
Report Date: 30-Sep-2005 01:28

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/81312A59.d
Lab Smp Id: 81312 Client Smp ID: VBLKFD
Inj Date : 29-SEP-2005 10:37
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 81312:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 8 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.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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.

VBLKAK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	1.9	J
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 I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80287

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80287RB62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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
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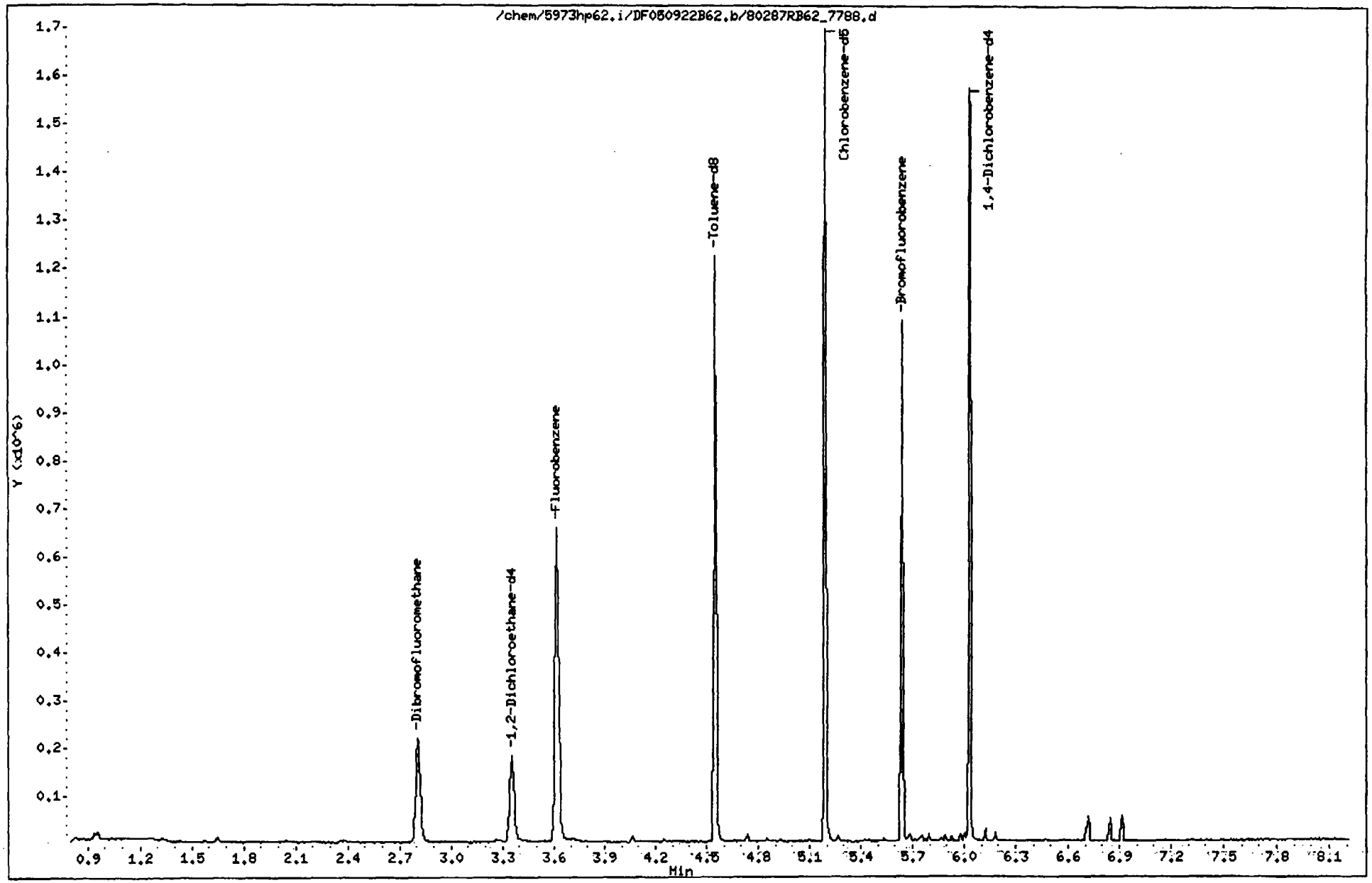
FORM I VOA-TIC

Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Date : 22-SEP-2005 19:23
Client ID: VBLKAK
Sample Info: 80287:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Report Date: 26-Sep-2005 01:18

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Lab Smp Id: 80287 Client Smp ID: VBLKAK
Inj Date : 22-SEP-2005 19:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80287:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 8 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	3.621	3.620	(1.000)	540870	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	441199	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	224353	250.000	
$ 4 Dibromofluoromethane	113	2.804	2.809	(0.774)	136433	195.354	39
$ 5 1,2-Dichloroethane-d4	65	3.354	3.359	(0.926)	128436	186.444	37
$ 6 Toluene-d8	98	4.552	4.551	(0.877)	430643	234.180	47
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	175316	236.204	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.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Report Date: 26-Sep-2005 01:18

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	6.718	6.734	(1.114)	7013	9.67865	1.9(a)
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/5973hp62.i/DF050922B62.b/80287RB62_7788.d

Date : 22-SEP-2005 19:23

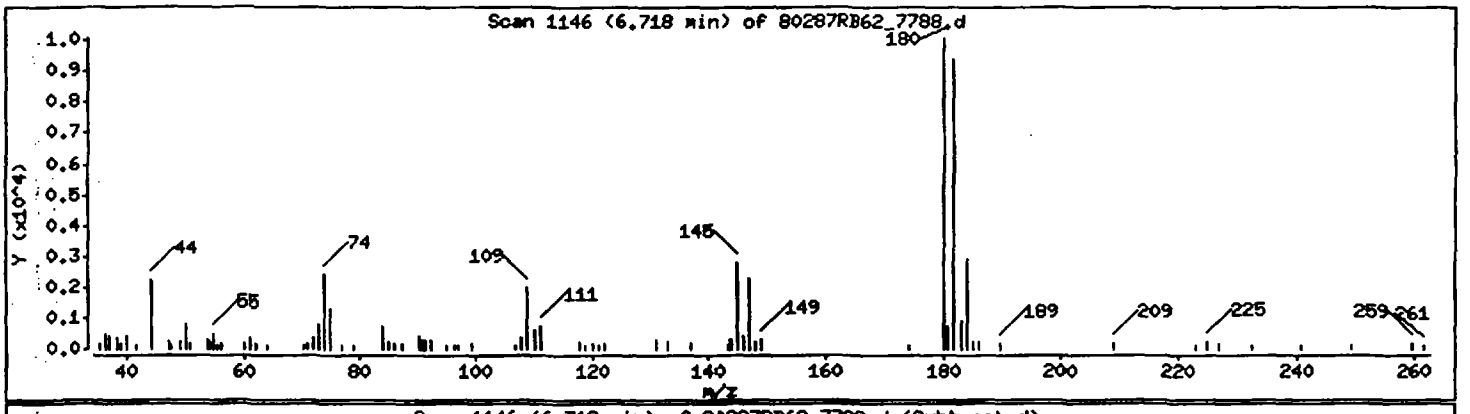
Client ID: VBLKAK | Instrument: 5973hp62.i

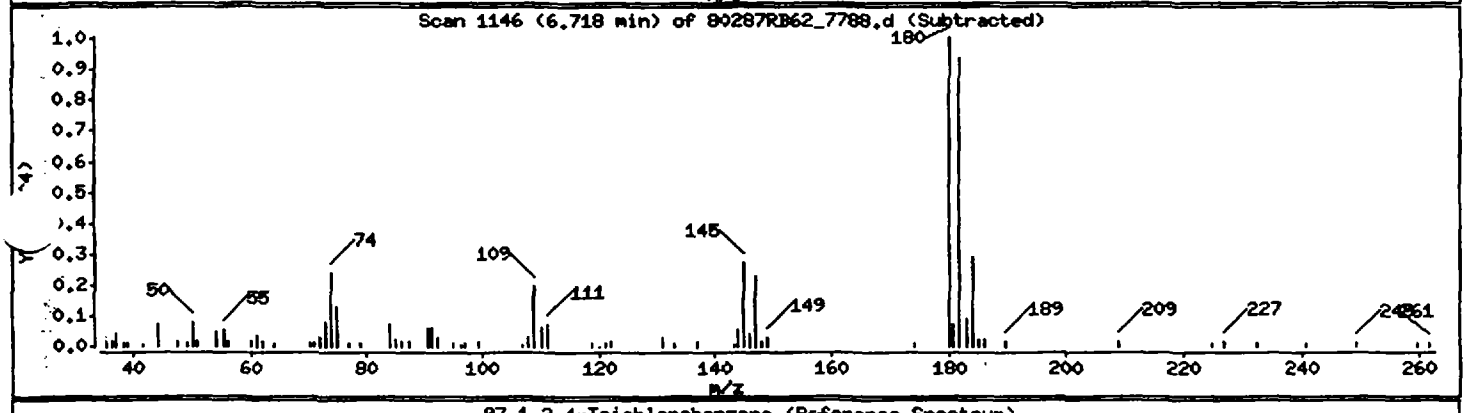
Sample Info: 80287:2323

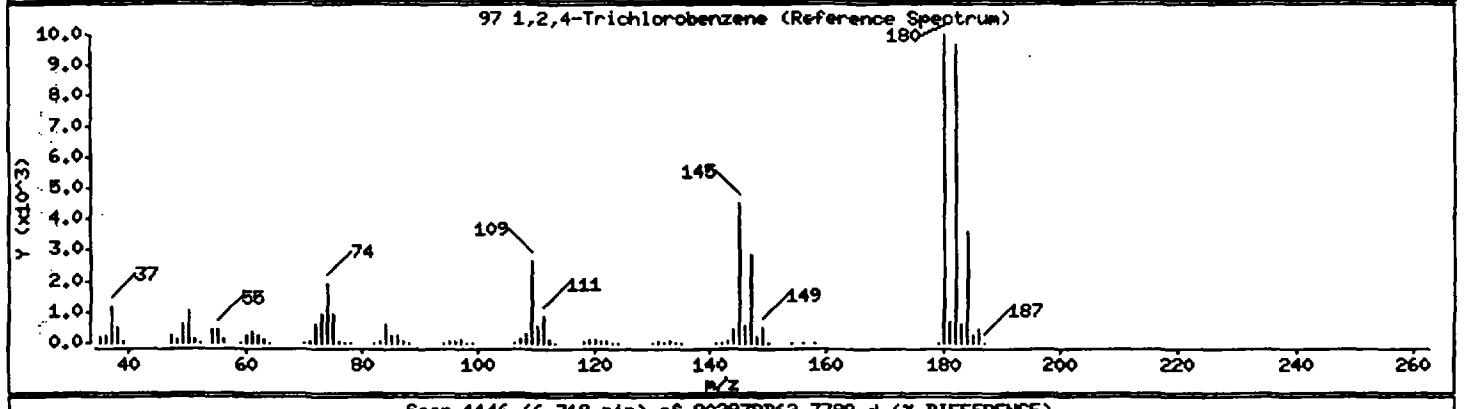
Purge Volume: 5.0 | Operator: 2323

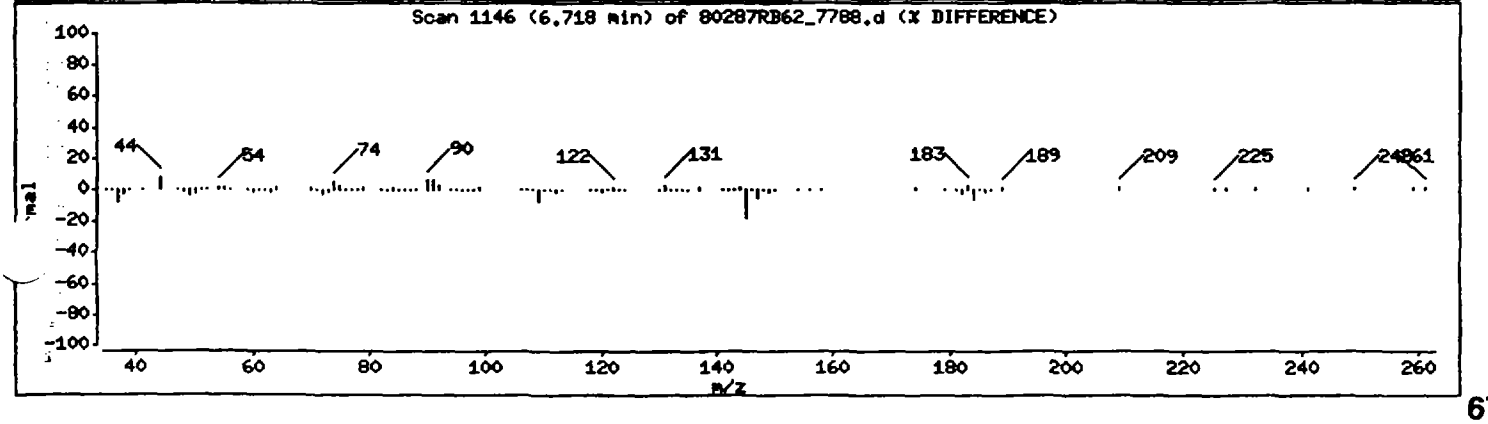
Column phase: RTX-VMS | Column diameter: 0.18

97 1,2,4-Trichlorobenzene | Concentration: 1.9 ug/L









Data File: /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Report Date: 26-Sep-2005 01:18

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80287RB62_7788.d
Lab Smp Id: 80287 Client Smp ID: VBLKAK
Inj Date : 22-SEP-2005 19:23
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80287:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 05:56 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.d
Als bottle: 8 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.

VBWLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80448

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80448A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	48	
75-01-4	Vinyl Chloride	49	
74-83-9	Bromomethane	54	
75-00-3	Chloroethane	56	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	55	
75-15-0	Carbon disulfide	55	
76-13-1	1,1,2-trichloro-1,2,2-triflu	52	
67-64-1	Acetone	140	
75-09-2	Methylene Chloride	56	B
156-60-5	trans-1,2-Dichloroethene	55	
1634-04-4	Methyl-tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	56	
156-59-2	cis-1,2-Dichloroethene	56	
78-93-3	2-butanone	150	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	55	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	58	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	57	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	150	
124-48-1	Dibromochloromethane	55	
106-93-4	1,2-Dibromoethane	57	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBWLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80448

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80448A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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

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

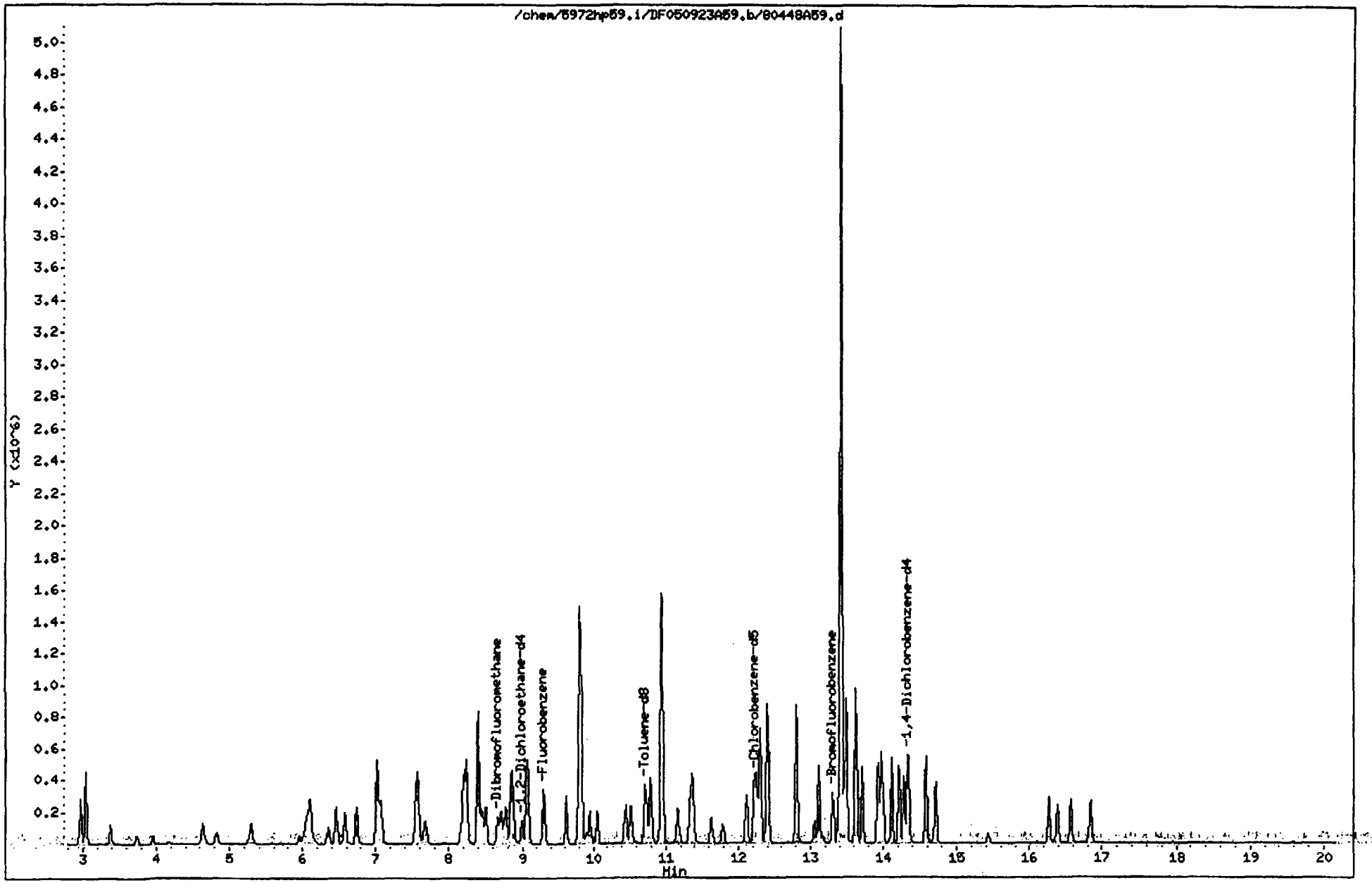
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	54	
100-41-4	Ethylbenzene	51	
100-42-5	Styrene	54	
75-25-2	Bromoform	57	
98-82-8	Isopropyl Benzene	55	
79-34-5	1,1,2,2-Tetrachloroethane	57	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	52	
95-50-1	1,2-Dichlorobenzene	54	
96-12-8	1,2-Dibromo-3-Chloropropane	61	
120-82-1	1,2,4-Trichlorobenzene	50	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	64	
110-82-7	Cyclohexane	55	
108-87-2	Methylcyclohexane	55	

FORM I VOA

Data File: /chem/5972hp59.i/DF050923A59.b/80448A59.d
Date : 23-SEP-2005 11:23
Client ID: VBWLCS
Sample Info: 80448:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i

Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050923A59.b/80448A59.d
Report Date: 23-Sep-2005 06:33

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050923A59.b/80448A59.d
Lab Smp Id: 80448 Client Smp ID: VBWLCS
Inj Date : 23-SEP-2005 11:23
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 80448:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050923A59.b/W8260B_5ppbv8.m
Meth Date : 23-Sep-2005 06:28 fertile Quant Type: ISTD
Cal Date : 12-SEP-2005 18:06 Cal File: GY050912A59.d
Als bottle: 7 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	9.291	9.296	(1.000)	405217	250.000	
*	2 Chlorobenzene-d5	117	12.222	12.218	(1.000)	269328	250.000	
*	3 1,4-Dichlorobenzene-d4	152	14.328	14.333	(1.000)	133803	250.000	
$	4 Dibromofluoromethane	113	8.661	8.657	(0.932)	119555	238.299	48
$	5 1,2-Dichloroethane-d4	65	8.996	8.992	(0.968)	113480	226.616	45
$	6 Toluene-d8	98	10.717	10.713	(0.877)	352258	239.279	48
$	7 Bromofluorobenzene	95	13.305	13.300	(0.929)	142800	243.832	49
	8 Dichlorodifluoromethane	85	3.378	3.374	(0.364)	136106	241.891	48
	9 Chloromethane	50	3.732	3.738	(0.402)	67161	242.024	48
	10 Vinyl Chloride	62	3.949	3.955	(0.425)	60702	247.066	49
	11 Bromomethane	94	4.637	4.643	(0.499)	122700	269.840	54
	12 Chloroethane	64	4.824	4.830	(0.519)	96157	281.016	56
	13 Trichlorofluoromethane	101	5.287	5.293	(0.569)	174920	259.223	52
	15 1,1-Dichloroethene	96	6.103	6.109	(0.657)	110664	275.025	55
	17 Acetone	43	6.152	6.158	(0.662)	63814	694.576	140

Data File: /chem/5972hp59.i/DF050923A59.b/80448A59.d
Report Date: 23-Sep-2005 06:33

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	6.074	6.080	(0.654)	130128	259.642	52
20 Carbon disulfide	76	6.457	6.463	(0.695)	420402	273.438	55
23 Methyl acetate	43	6.575	6.571	(0.708)	72634	321.256	64
24 Methylene Chloride	84	6.733	6.739	(0.725)	138446	278.783	56
26 trans-1,2-Dichloroethene	96	7.067	7.073	(0.761)	127784	276.124	55
28 Methyl-tert-butyl ether	73	7.018	7.024	(0.755)	274764	279.307	56
29 1,1-Dichloroethane	63	7.569	7.565	(0.815)	227499	280.123	56
33 cis-1,2-Dichloroethene	96	8.199	8.195	(0.882)	135479	281.468	56
37 2-butanone	43	8.159	8.165	(0.878)	111231	752.209	150
40 Chloroform	83	8.504	8.500	(0.915)	224538	264.465	53
41 1,1,1-Trichloroethane	97	8.710	8.706	(0.938)	178918	266.815	53
42 Cyclohexane	56	8.769	8.765	(0.944)	164419	273.573	55
44 Carbon Tetrachloride	117	8.878	8.873	(0.956)	143681	259.539	52
45 1,2-Dichloroethane	62	9.064	9.060	(0.976)	150382	270.111	54
47 Benzene	78	9.064	9.070	(0.976)	451939	275.003	55
48 Trichloroethene	130	9.615	9.621	(1.035)	117687	272.806	55
49 Methylcyclohexane	83	9.792	9.798	(1.054)	151444	275.974	55
50 1,2-Dichloropropane	63	9.822	9.818	(1.057)	115448	287.907	58
54 Bromodichloromethane	83	10.048	10.054	(1.082)	162070	272.126	54
56 cis-1,3-Dichloropropene	75	10.442	10.448	(1.124)	191680	273.638	55
57 4-Methyl-2-pentanone	43	10.520	10.516	(0.861)	244558	734.586	150
58 Toluene	92	10.786	10.782	(0.882)	266905	266.649	53
59 trans-1,3-Dichloropropene	75	10.953	10.959	(0.896)	157017	260.295	52
60 1,1,2-Trichloroethane	97	11.160	11.166	(0.913)	96770	286.401	57
63 Tetrachloroethene	164	11.366	11.372	(0.930)	81667	262.195	52
64 2-hexanone	43	11.327	11.333	(0.927)	174931	770.562	150
65 Dibromochloromethane	129	11.632	11.628	(0.952)	117179	273.831	55
66 1,2-Dibromoethane	107	11.790	11.785	(0.965)	107344	285.880	57
67 Chlorobenzene	112	12.252	12.248	(1.002)	276324	269.091	54
70 Ethylbenzene	106	12.291	12.297	(1.006)	127488	252.510	51
72 m,p-Xylene (part of total)	106	12.399	12.405	(1.014)	333727	536.122	110
74 o-Xylene (part of total)	106	12.803	12.799	(1.047)	165255	276.018	55
75 Styrene	104	12.813	12.809	(1.048)	275087	269.648	54
76 Bromoform	173	13.049	13.055	(1.068)	75412	282.904	57
78 Isopropyl Benzene	105	13.118	13.114	(1.073)	425526	275.238	55
79 1,1,2,2-Tetrachloroethane	83	13.373	13.379	(0.933)	146798	287.194	57
91 1,3-Dichlorobenzene	146	14.278	14.284	(0.997)	202035	264.045	53
93 1,4-Dichlorobenzene	146	14.357	14.353	(1.002)	210605	261.406	52
94 1,2-Dichlorobenzene	146	14.711	14.707	(1.027)	192021	269.354	54
96 1,2-Dibromo-3-Chloropropane	157	15.429	15.425	(1.077)	21871	305.860	61
97 1,2,4-Trichlorobenzene	180	16.266	16.262	(1.135)	122610	251.496	50
M 102 Xylene (total)	106				498982	812.140	160

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCSLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80878

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80878B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/27/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	53	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	40	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	52	
75-15-0	Carbon disulfide	53	
76-13-1	1,1,2-trichloro-1,2,2-triflu	50	
67-64-1	Acetone	150	
75-09-2	Methylene Chloride	54	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	54	
78-93-3	2-butanone	150	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	57	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	56	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	150	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	58	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	160	
124-48-1	Dibromochloromethane	57	
106-93-4	1,2-Dibromoethane	58	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCSLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80878

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80878B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/27/05

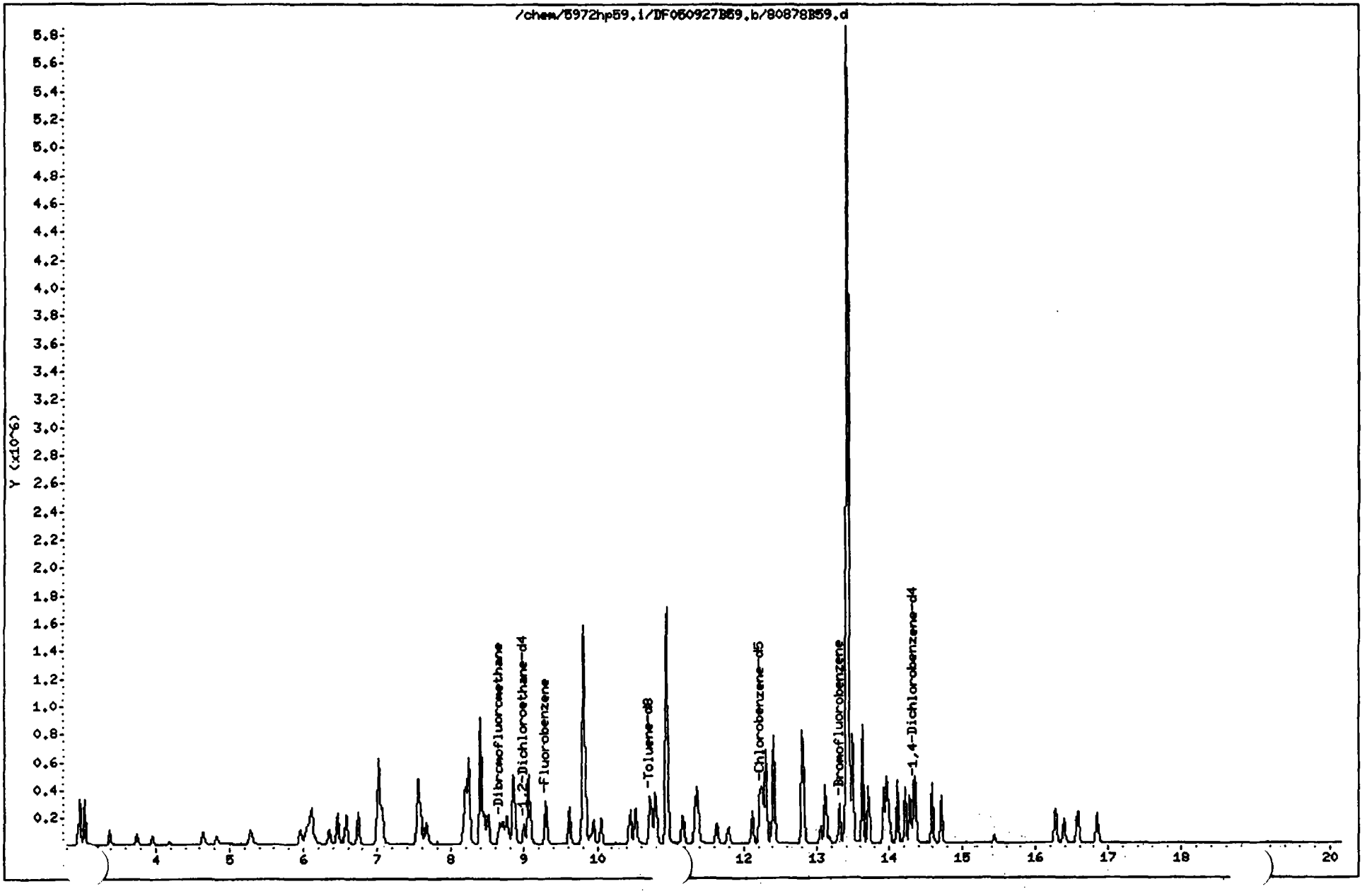
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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	53	
100-42-5	Styrene	54	
75-25-2	Bromoform	57	
98-82-8	Isopropyl Benzene	56	
79-34-5	1,1,2,2-Tetrachloroethane	57	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-Chloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	47	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	63	
110-82-7	Cyclohexane	52	
108-87-2	Methylcyclohexane	52	

Data File: /chem/5972hp59.i/DF050927B59.b/80878B59.d
Date : 27-SEP-2005 23:58
Client ID: VCSLCS
Sample Info: 80878:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/80878B59.d
Report Date: 30-Sep-2005 03:50

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/80878B59.d
Lab Smp Id: 80878 Client Smp ID: VCSLCS
Inj Date : 27-SEP-2005 23:58
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 80878:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 03:49 parikh Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 1 QC Sample: LCS
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	9.291	9.290	(1.000)	394693	250.000	
* 2 Chlorobenzene-d5	117	12.226	12.226	(1.000)	243229	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.334	14.333	(1.000)	119128	250.000	
$ 4 Dibromofluoromethane	113	8.660	8.660	(0.932)	110656	240.975	48
$ 5 1,2-Dichloroethane-d4	65	8.995	8.995	(0.968)	101503	245.453	49
$ 6 Toluene-d8	98	10.719	10.728	(0.877)	340944	245.500	49
$ 7 Bromofluorobenzene	95	13.309	13.309	(0.929)	130222	235.602	47
8 Dichlorodifluoromethane	85	3.381	3.381	(0.364)	124485	252.168	50
9 Chloromethane	50	3.735	3.735	(0.402)	106913	251.853	50
10 Vinyl Chloride	62	3.952	3.952	(0.425)	89027	262.918	53
11 Bromomethane	94	4.642	4.641	(0.500)	83569	222.742	45
12 Chloroethane	64	4.829	4.828	(0.520)	70003	201.824	40
13 Trichlorofluoromethane	101	5.282	5.291	(0.568)	142060	259.617	52
15 1,1-Dichloroethene	96	6.109	6.109	(0.658)	104627	257.733	52
17 Acetone	43	6.158	6.158	(0.663)	74626	753.325	150
19 1,1,2-trichloro-1,2,2-trifluo	101	6.070	6.079	(0.653)	110430	247.798	50

SAR
09/30/05

Data File: /chem/5972hp59.i/DF050927B59.b/80878B59.d
Report Date: 30-Sep-2005 03:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon disulfide	76	6.454	6.463	(0.695)	412645	263.816	53
23 Methyl acetate	43	6.572	6.572	(0.707)	83690	313.356	63
24 Methylene Chloride	84	6.740	6.739	(0.725)	132656	267.844	54
26 trans-1,2-Dichloroethene	96	7.065	7.074	(0.760)	121423	257.920	52
28 Methyl-tert-butyl ether	73	7.015	7.025	(0.755)	270011	289.060	58
29 1,1-Dichloroethane	63	7.567	7.567	(0.814)	224186	271.613	54
33 cis-1,2-Dichloroethene	96	8.197	8.197	(0.882)	131759	269.241	54
37 2-butanone	43	8.158	8.167	(0.878)	136321	752.270	150
40 Chloroform	83	8.503	8.502	(0.915)	200620	272.197	54
41 1,1,1-Trichloroethane	97	8.710	8.709	(0.937)	151392	267.589	54
42 Cyclohexane	56	8.769	8.778	(0.944)	151746	258.192	52
44 Carbon Tetrachloride	117	8.867	8.877	(0.954)	117986	262.249	52
45 1,2-Dichloroethane	62	9.064	9.064	(0.976)	135383	285.022	57
47 Benzene	78	9.064	9.064	(0.976)	438065	266.271	53
48 Trichloroethene	130	9.616	9.625	(1.035)	105012	264.540	53
49 Methylcyclohexane	83	9.793	9.803	(1.054)	123040	260.004	52
50 1,2-Dichloropropane	63	9.823	9.822	(1.057)	127511	280.975	56
54 Bromodichloromethane	83	10.049	10.059	(1.082)	144010	273.562	55
56 cis-1,3-Dichloropropene	75	10.443	10.453	(1.124)	189680	276.797	55
57 4-Methyl-2-pentanone	43	10.522	10.522	(0.861)	269546	753.571	150
58 Toluene	92	10.788	10.797	(0.882)	258618	269.800	54
59 trans-1,3-Dichloropropene	75	10.955	10.955	(0.896)	154113	278.155	56
60 1,1,2-Trichloroethane	97	11.162	11.172	(0.913)	93044	288.592	58
63 Tetrachloroethene	164	11.369	11.369	(0.930)	69053	255.858	51
1 2-hexanone	43	11.330	11.339	(0.927)	193868	812.986	160
65 Dibromochloromethane	129	11.635	11.635	(0.952)	107653	283.325	57
66 1,2-Dibromoethane	107	11.792	11.792	(0.965)	102318	288.230	58
67 Chlorobenzene	112	12.255	12.255	(1.002)	261076	264.887	53
70 Ethylbenzene	106	12.305	12.304	(1.006)	127882	263.144	53
72 m,p-Xylene (part of total)	106	12.403	12.413	(1.014)	317358	522.204	100
74 o-Xylene (part of total)	106	12.807	12.807	(1.048)	157729	269.218	54
75 Styrene	104	12.817	12.816	(1.048)	286642	269.150	54
76 Bromoform	173	13.053	13.053	(1.068)	69608	285.253	57
78 Isopropyl Benzene	105	13.122	13.122	(1.073)	367063	280.379	56
79 1,1,2,2-Tetrachloroethane	83	13.388	13.378	(0.934)	144018	284.903	57
91 1,3-Dichlorobenzene	146	14.284	14.284	(0.997)	172478	247.608	50
93 1,4-Dichlorobenzene	146	14.363	14.363	(1.002)	181626	251.029	50
94 1,2-Dichlorobenzene	146	14.718	14.717	(1.027)	167814	263.888	53
96 1,2-Dibromo-3-Chloropropane	157	15.437	15.436	(1.077)	20621	286.993	57
97 1,2,4-Trichlorobenzene	180	16.274	16.274	(1.135)	98611	236.670	47
M 102 Xylene (total)	106				475087	791.422	160

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCTLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80879

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80879A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	55	
74-87-3	Chloromethane	54	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	57	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	54	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	51	
67-64-1	Acetone	150	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	57	
156-59-2	cis-1,2-Dichloroethene	55	
78-93-3	2-butanone	150	
67-66-3	Chloroform	56	
71-55-6	1,1,1-Trichloroethane	55	
56-23-5	Carbon Tetrachloride	53	
71-43-2	Benzene	55	
107-06-2	1,2-Dichloroethane	59	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	58	
75-27-4	Bromodichloromethane	56	
10061-01-5	cis-1,3-Dichloropropene	56	
108-10-1	4-Methyl-2-pentanone	160	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	58	
79-00-5	1,1,2-Trichloroethane	57	
127-18-4	Tetrachloroethene	51	
591-78-6	2-hexanone	170	
124-48-1	Dibromochloromethane	56	
106-93-4	1,2-Dibromoethane	57	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VCTLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80879

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80879A59_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

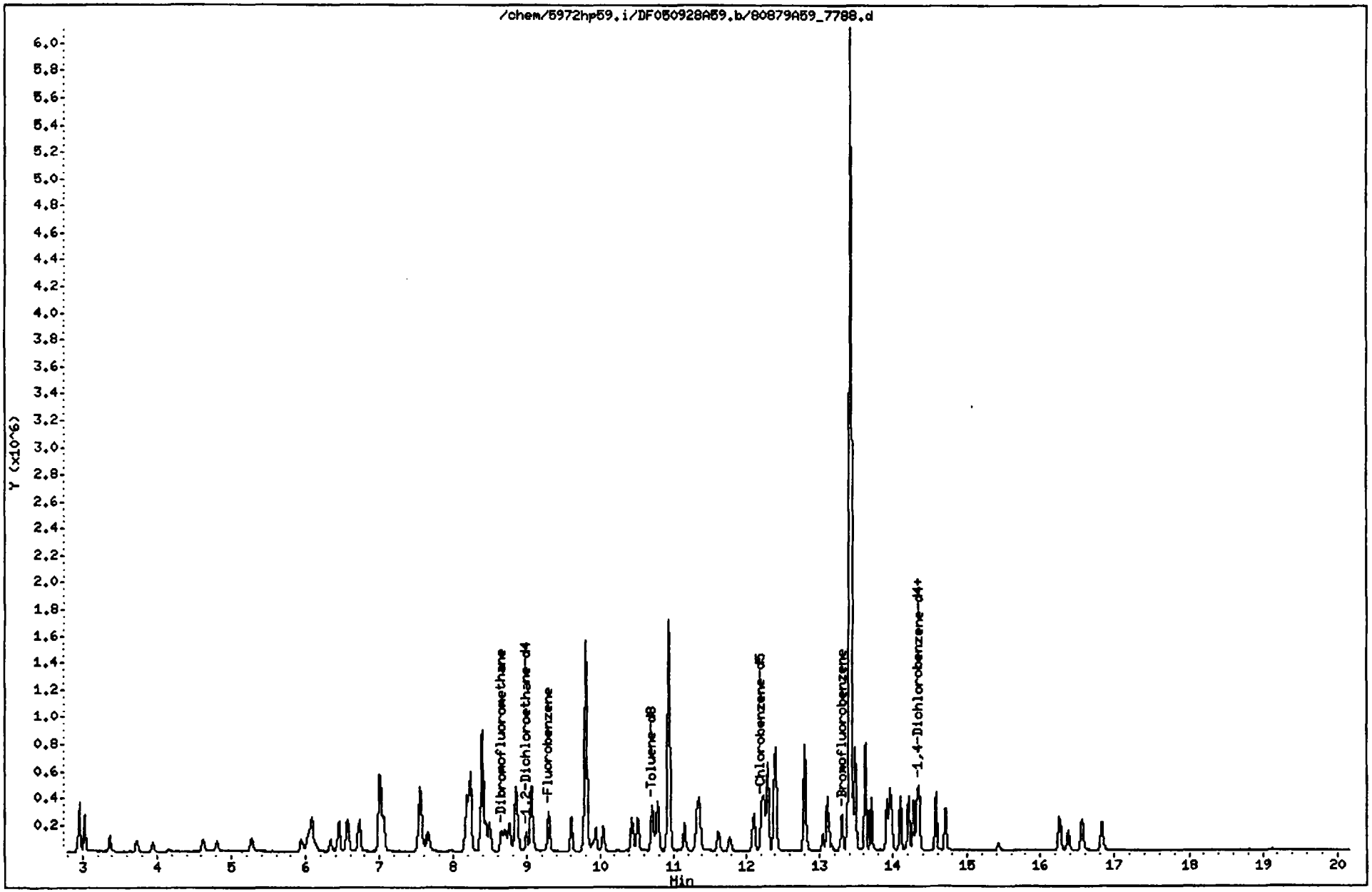
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	53	
75-25-2	Bromoform	54	
98-82-8	Isopropyl Benzene	56	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	51	
1330-20-7	Xylene (total)	160	
79-20-9	Methyl acetate	70	
110-82-7	Cyclohexane	55	
108-87-2	Methylcyclohexane	54	

FORM I VOA

Data File: /chem/5972hp59.i/DF050928A59.b/80879A59_7788.d
Date : 28-SEP-2005 12:21
Client ID: VCTLCS
Sample Info:
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050928A59.b/80879A59_7788.d
Report Date: 28-Sep-2005 23:42

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050928A59.b/80879A59_7788.d
Lab Smp Id: 80879 Client Smp ID: VCTLCS
Inj Date : 28-SEP-2005 12:21
Operator : 2473 Inst ID: 5972hp59.i
Smp Info :
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050928A59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 23:09 zimmerma Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 9 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	9.289	9.284	(1.000)	373681	250.000	
* 2 Chlorobenzene-d5	117	12.214	12.219	(1.000)	230804	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.332	14.337	(1.000)	112234	250.000	
$ 4 Dibromofluoromethane	113	8.658	8.653	(0.932)	106194	244.261	49
$ 5 1,2-Dichloroethane-d4	65	8.983	8.988	(0.967)	99196	253.362	51
$ 6 Toluene-d8	98	10.717	10.712	(0.877)	322687	244.862	49
$ 7 Bromofluorobenzene	95	13.307	13.302	(0.929)	125178	240.388	48
8 Dichlorodifluoromethane	85	3.369	3.374	(0.363)	127583	272.976	55
9 Chloromethane	50	3.734	3.729	(0.402)	109181	271.657	54
10 Vinyl Chloride	62	3.940	3.945	(0.424)	90191	281.332	56
11 Bromomethane	94	4.630	4.625	(0.498)	79178	222.905	45
12 Chloroethane	64	4.817	4.812	(0.519)	94670	282.775	57
13 Trichlorofluoromethane	101	5.280	5.275	(0.568)	143060	276.146	55
15 1,1-Dichloroethene	96	6.097	6.102	(0.656)	103656	269.699	54
17 Acetone	43	6.147	6.142	(0.662)	70105	747.480	150

MR 9-28-05

Data File: /chem/5972hp59.i/DF050928A59.b/80879A59_7788.d
Report Date: 28-Sep-2005 23:42

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	6.068	6.063	(0.653)	108161	256.353	51
20 Carbon disulfide	76	6.452	6.447	(0.695)	401776	271.310	54
23 Methyl acetate	43	6.560	6.565	(0.706)	88072	349.928	70
24 Methylene Chloride	84	6.728	6.733	(0.724)	125143	266.882	53
26 trans-1,2-Dichloroethene	96	7.063	7.058	(0.760)	118179	265.145	53
28 Methyl-tert-butyl ether	73	7.004	7.009	(0.754)	255483	288.886	58
29 1,1-Dichloroethane	63	7.565	7.560	(0.814)	221364	283.275	57
33 cis-1,2-Dichloroethene	96	8.195	8.190	(0.882)	127121	274.370	55
37 2-butanone	43	8.156	8.161	(0.878)	130348	759.755	150
40 Chloroform	83	8.491	8.496	(0.914)	194791	279.149	56
41 1,1,1-Trichloroethane	97	8.698	8.703	(0.936)	146628	273.742	55
42 Cyclohexane	56	8.757	8.762	(0.943)	153011	275.507	55
44 Carbon Tetrachloride	117	8.865	8.870	(0.954)	113307	266.010	53
45 1,2-Dichloroethane	62	9.062	9.057	(0.976)	133181	296.152	59
47 Benzene	78	9.052	9.057	(0.975)	429123	275.502	55
48 Trichloroethene	130	9.614	9.609	(1.035)	100352	267.015	53
49 Methylcyclohexane	83	9.791	9.796	(1.054)	121688	271.915	54
50 1,2-Dichloropropane	63	9.811	9.816	(1.056)	125072	291.098	58
54 Bromodichloromethane	83	10.047	10.052	(1.082)	138335	277.558	56
56 cis-1,3-Dichloropropene	75	10.441	10.436	(1.124)	183129	282.264	56
57 4-Methyl-2-pentanone	43	10.510	10.515	(0.860)	264005	777.813	160
58 Toluene	92	10.786	10.791	(0.883)	251424	276.416	55
59 trans-1,3-Dichloropropene	75	10.953	10.948	(0.897)	153139	291.277	58
60 1,1,2-Trichloroethane	97	11.160	11.165	(0.914)	87496	285.993	57
63 Tetrachloroethene	164	11.367	11.362	(0.931)	65181	254.513	51
64 2-hexanone	43	11.328	11.323	(0.927)	194688	860.376	170
65 Dibromochloromethane	129	11.623	11.628	(0.952)	100960	280.014	56
66 1,2-Dibromoethane	107	11.781	11.786	(0.965)	96370	286.088	57
67 Chlorobenzene	112	12.244	12.248	(1.002)	248857	266.082	53
70 Ethylbenzene	106	12.293	12.298	(1.006)	119397	258.911	52
72 m,p-Xylene (part of total)	106	12.401	12.406	(1.015)	304916	528.741	110
74 o-Xylene (part of total)	106	12.795	12.800	(1.048)	145967	262.554	53
75 Styrene	104	12.805	12.810	(1.048)	267188	264.389	53
76 Bromoform	173	13.051	13.056	(1.069)	62722	270.871	54
78 Isopropyl Benzene	105	13.110	13.115	(1.073)	347525	279.721	56
79 1,1,2,2-Tetrachloroethane	83	13.376	13.381	(0.933)	137830	289.410	58
91 1,3-Dichlorobenzene	146	14.283	14.287	(0.997)	167163	254.718	51
93 1,4-Dichlorobenzene	146	14.351	14.356	(1.001)	173608	254.686	51
94 1,2-Dichlorobenzene	146	14.716	14.711	(1.027)	157107	262.226	52
96 1,2-Dibromo-3-Chloropropane	157	15.435	15.440	(1.077)	18315	270.557	54
97 1,2,4-Trichlorobenzene	180	16.272	16.267	(1.135)	99491	253.450	51
M 102 Xylene (total)	106				450883	791.295	160

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VFDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81315A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	56	
75-01-4	Vinyl Chloride	57	
74-83-9	Bromomethane	55	
75-00-3	Chloroethane	58	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	53	
75-15-0	Carbon disulfide	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	42	
67-64-1	Acetone	110	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl-tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	52	
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	49	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	120	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	48	
591-78-6	2-hexanone	120	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	50	

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VFDLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 81315

Sample wt/vol: 5 (g/ml) ML Lab File ID: 81315A59

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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

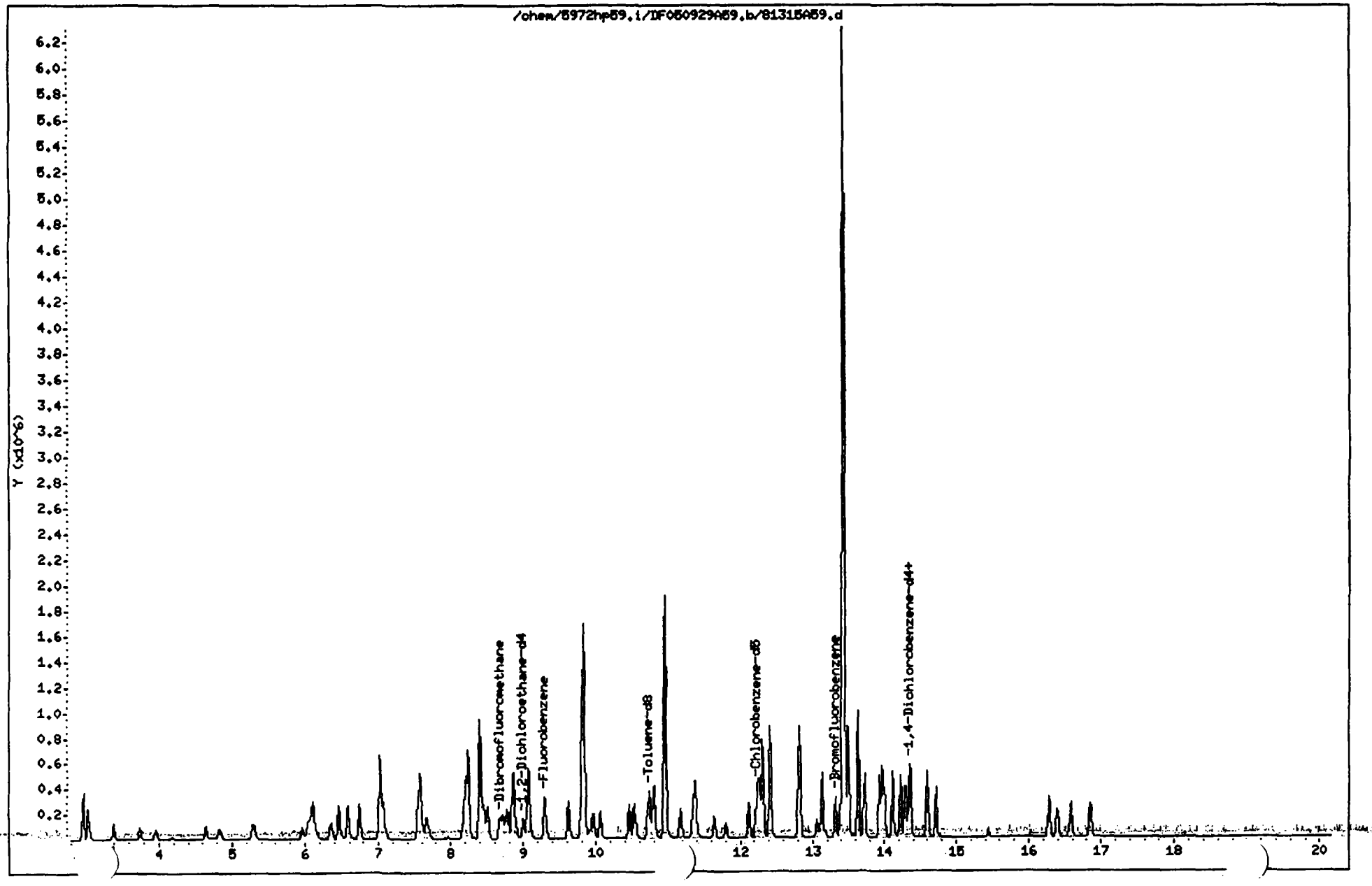
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	50	
75-25-2	Bromoform	50	
98-82-8	Isopropyl Benzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	49	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	50	
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	45	
110-82-7	Cyclohexane	37	
108-87-2	Methylcyclohexane	39	

FORM I VOA

Data File: /chem/5972hp59.i/DF050929A59.b/81315A59.d
Date : 29-SEP-2005 11:16
Client ID: VFDLCS
Sample Info: 81315:2473
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2473
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050929A59.b/81315A59.d
Report Date: 30-Sep-2005 01:27

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050929A59.b/81315A59.d
Lab Smp Id: 81315 Client Smp ID: VFDLCS
Inj Date : 29-SEP-2005 11:16
Operator : 2473 Inst ID: 5972hp59.i
Smp Info : 81315:2473
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050929A59.b/W8260B_5ppbv8.m
Meth Date : 30-Sep-2005 01:23 fertile Quant Type: ISTD
Cal Date : 29-SEP-2005 00:24 Cal File: GX050928B59.d
Als bottle: 9 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	9.294	9.304	(1.000)	429196	250.000	
* 2 Chlorobenzene-d5	117	12.229	12.229	(1.000)	269713	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.347	14.347	(1.000)	133710	250.000	
$ 4 Dibromofluoromethane	113	8.674	8.673	(0.933)	121031	242.233	48
$ 5 1,2-Dichloroethane-d4	65	8.999	8.999	(0.968)	112412	239.650	48
$ 6 Toluene-d8	98	10.732	10.732	(0.878)	369001	242.028	48
$ 7 Bromofluorobenzene	95	13.313	13.313	(0.928)	146295	237.549	48
8 Dichlorodifluoromethane	85	3.384	3.384	(0.364)	149805	250.569	50
9 Chloromethane	50	3.749	3.749	(0.403)	120594	280.219	56
10 Vinyl Chloride	62	3.966	3.965	(0.427)	99883	284.008	57
11 Bromomethane	94	4.645	4.645	(0.500)	92974	273.428	55
12 Chloroethane	64	4.832	4.832	(0.520)	111271	289.060	58
13 Trichlorofluoromethane	101	5.295	5.295	(0.570)	167846	261.089	52
15 1,1-Dichloroethene	96	6.113	6.113	(0.658)	123373	263.819	53
17 Acetone	43	6.162	6.162	(0.663)	76928	565.689	110

Data File: /chem/5972hp59.i/DF050929A59.b/81315A59.d
Report Date: 30-Sep-2005 01:27

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	6.083	6.093	(0.654)	123231	212.210	42
20 Carbon disulfide	76	6.467	6.467	(0.696)	491737	270.841	54
23 Methyl acetate	43	6.576	6.576	(0.708)	89190	224.717	45
24 Methylene Chloride	84	6.743	6.743	(0.726)	152996	265.400	53
26 trans-1,2-Dichloroethene	96	7.078	7.078	(0.762)	141085	270.547	54
28 Methyl-tert-butyl ether	73	7.019	7.029	(0.755)	296410	247.579	50
29 1,1-Dichloroethane	63	7.580	7.580	(0.816)	249798	262.219	52
33 cis-1,2-Dichloroethene	96	8.201	8.211	(0.882)	148225	264.271	53
37 2-butanone	43	8.171	8.171	(0.879)	143514	595.099	120
40 Chloroform	83	8.506	8.506	(0.915)	237593	266.640	53
41 1,1,1-Trichloroethane	97	8.713	8.723	(0.937)	173545	255.214	51
42 Cyclohexane	56	8.772	8.782	(0.944)	167932	186.541	37
44 Carbon Tetrachloride	117	8.880	8.880	(0.955)	133742	246.082	49
45 1,2-Dichloroethane	62	9.068	9.067	(0.976)	147957	247.990	50
47 Benzene	78	9.068	9.077	(0.976)	516452	269.233	54
48 Trichloroethene	130	9.619	9.629	(1.035)	123577	266.913	53
49 Methylcyclohexane	83	9.806	9.806	(1.055)	143243	192.563	39
50 1,2-Dichloropropane	63	9.826	9.826	(1.057)	136897	256.859	51
54 Bromodichloromethane	83	10.062	10.062	(1.083)	165825	263.770	53
56 cis-1,3-Dichloropropene	75	10.456	10.456	(1.125)	215145	264.206	53
57 4-Methyl-2-pentanone	43	10.525	10.525	(0.861)	296493	583.195	120
58 Toluene	92	10.801	10.801	(0.883)	297144	257.025	51
59 trans-1,3-Dichloropropene	75	10.969	10.968	(0.897)	176548	258.093	52
1,1,2-Trichloroethane	97	11.175	11.175	(0.914)	103277	249.786	50
Tetrachloroethene	164	11.382	11.382	(0.931)	79740	242.292	48
64 2-hexanone	43	11.343	11.343	(0.928)	208984	582.616	120
65 Dibromochloromethane	129	11.638	11.638	(0.952)	120361	254.095	51
66 1,2-Dibromoethane	107	11.806	11.796	(0.965)	109590	249.949	50
67 Chlorobenzene	112	12.259	12.259	(1.002)	290669	252.892	51
70 Ethylbenzene	106	12.308	12.308	(1.006)	142992	246.396	49
72 m,p-Xylene (part of total)	106	12.416	12.416	(1.015)	353989	489.833	98
74 o-Xylene (part of total)	106	12.810	12.810	(1.048)	173128	247.579	50
75 Styrene	104	12.820	12.820	(1.048)	310331	250.112	50
76 Bromoform	173	13.067	13.066	(1.068)	75646	251.087	50
78 Isopropyl Benzene	105	13.126	13.126	(1.073)	421872	237.187	47
79 1,1,2,2-Tetrachloroethane	83	13.392	13.391	(0.933)	162723	244.339	49
91 1,3-Dichlorobenzene	146	14.298	14.298	(0.997)	207854	244.547	49
93 1,4-Dichlorobenzene	146	14.367	14.367	(1.001)	215706	243.450	49
94 1,2-Dichlorobenzene	146	14.721	14.721	(1.026)	193749	245.626	49
96 1,2-Dibromo-3-Chloropropane	157	15.440	15.440	(1.076)	21949	238.603	48
97 1,2,4-Trichlorobenzene	180	16.277	16.277	(1.135)	131584	251.769	50
M 102 Xylene (total)	106				527117	737.411	150

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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	35	
74-87-3	Chloromethane	45	
75-01-4	Vinyl Chloride	45	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	46	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	38	
75-15-0	Carbon disulfide	32	
76-13-1	1,1,2-trichloro-1,2,2-triflu	47	
67-64-1	Acetone	130	
75-09-2	Methylene Chloride	42	
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl-tert-butyl ether	42	
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-butanone	120	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon Tetrachloride	44	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	140	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	52	
591-78-6	2-hexanone	130	
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.

VAKLCS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80290

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80290B62_7788

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

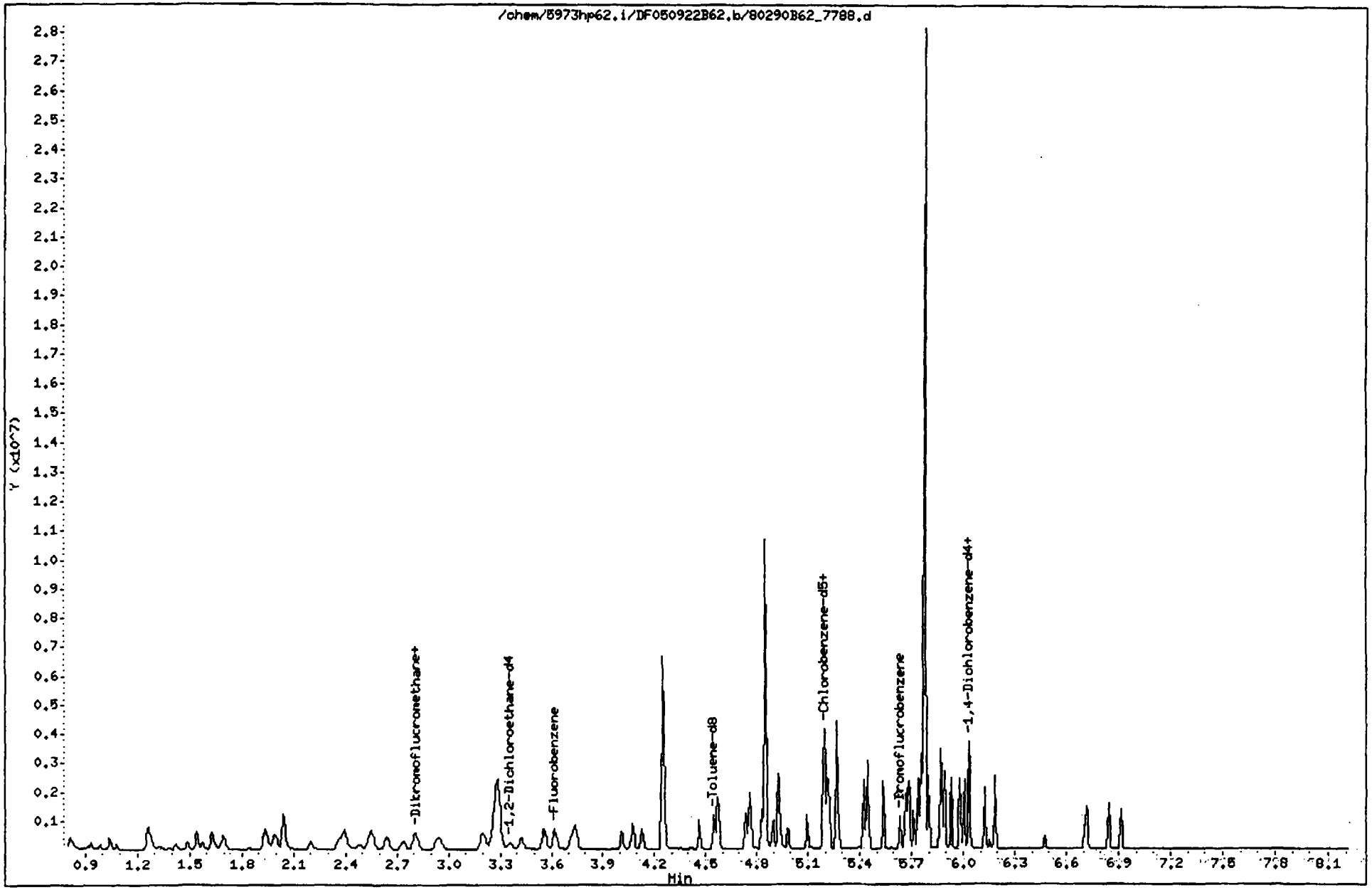
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	54	
75-25-2	Bromoform	55	
98-82-8	Isopropyl Benzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	58	
541-73-1	1,3-Dichlorobenzene	55	
106-46-7	1,4-Dichlorobenzene	56	
95-50-1	1,2-Dichlorobenzene	55	
96-12-8	1,2-Dibromo-3-Chloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	58	B
1330-20-7	Xylene (total)	150	
79-20-9	Methyl acetate	43	
110-82-7	Cyclohexane	43	
108-87-2	Methylcyclohexane	50	

FORM I VOA

Data File: /chem/5973hp62.i/DF050922B62.b/80290B62_7788.d
Date : 22-SEP-2005 19:53
Client ID: VAKLCS
Sample Info: 80290:2323
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 5973hp62.i
Operator: 2323
Column diameter: 0.18



Data File: /chem/5973hp62.i/DF050922B62.b/80290B62.d
Report Date: 22-Sep-2005 10:32

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5973hp62.i/DF050922B62.b/80290B62.d
Lab Smp Id: 80290 Client Smp ID: VAKLCS
Inj Date : 22-SEP-2005 19:53
Operator : 2323 Inst ID: 5973hp62.i
Smp Info : 80290:2323
Misc Info : 62
Comment :
Method : /chem/5973hp62.i/DF050922B62.b/W8260B_5ppbv8.m
Meth Date : 22-Sep-2005 09:43 harris Quant Type: ISTD
Cal Date : 12-SEP-2005 17:28 Cal File: CB050912A62.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	3.621	3.620	(1.000)	550976	250.000	
* 2 Chlorobenzene-d5	117	5.188	5.188	(1.000)	456960	250.000	
* 3 1,4-Dichlorobenzene-d4	152	6.032	6.037	(1.000)	237814	250.000	
$ 4 Dibromofluoromethane	113	2.809	2.809	(0.776)	144371	202.929	41
$ 5 1,2-Dichloroethane-d4	65	3.359	3.359	(0.928)	130386	185.803	37
$ 6 Toluene-d8	98	4.551	4.551	(0.877)	442634	232.399	46
$ 7 Bromofluorobenzene	95	5.635	5.640	(0.934)	185199	235.397	47
8 Dichlorodifluoromethane	85	0.703	0.703	(0.194)	77382	177.487	35
9 Chloromethane	50	0.779	0.773	(0.215)	174783	226.121	45
10 Vinyl Chloride	62	0.806	0.806	(0.223)	131933	224.965	45
11 Bromomethane	94	0.937	0.937	(0.259)	72807	209.178	42
12 Chloroethane	64	0.986	0.986	(0.272)	63784	227.528	46
13 Trichlorofluoromethane	101	1.040	1.046	(0.287)	195696	280.923	56
15 1,1-Dichloroethene	96	1.258	1.258	(0.347)	90491	189.485	38
17 Acetone	43	1.574	1.574	(0.435)	171702	652.861	130

9/9/2005

Data File: /chem/5973hp62.i/DF050922B62.b/80290B62.d
Report Date: 22-Sep-2005 10:32

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	1.280	1.280	(0.353)	110316	237.468	47
20 Carbon disulfide	76	1.269	1.269	(0.350)	198149	160.635	32
23 Methyl acetate	43	1.645	1.644	(0.454)	145085	214.234	43
24 Methylene Chloride	84	1.541	1.546	(0.426)	169782	210.335	42
26 trans-1,2-Dichloroethene	96	1.628	1.628	(0.450)	143814	209.928	42
28 Methyl-tert-butyl ether	73	1.694	1.699	(0.468)	345867	207.591	42
29 1,1-Dichloroethane	63	1.998	2.004	(0.552)	262789	203.526	41
33 cis-1,2-Dichloroethene	96	2.396	2.396	(0.662)	189067	225.421	45
37 2-butanone	43	2.951	2.956	(0.815)	217192	607.768	120
40 Chloroform	83	2.641	2.641	(0.729)	341527	230.090	46
41 1,1,1-Trichloroethane	97	2.804	2.809	(0.774)	248930	225.158	45
42 Cyclohexane	56	2.543	2.543	(0.702)	164774	216.660	43
44 Carbon Tetrachloride	117	2.739	2.739	(0.756)	180951	221.992	44
45 1,2-Dichloroethane	62	3.425	3.425	(0.946)	256543	230.296	46
47 Benzene	78	3.201	3.201	(0.884)	643569	223.106	45
48 Trichloroethene	130	3.746	3.746	(1.035)	192281	215.111	43
49 Methylcyclohexane	83	3.724	3.724	(1.029)	190105	249.873	50
50 1,2-Dichloropropane	63	4.078	4.078	(1.126)	191513	231.733	46
54 Bromodichloromethane	83	4.132	4.132	(1.141)	264002	240.181	48
56 cis-1,3-Dichloropropene	75	4.464	4.464	(1.233)	299468	256.292	51
57 4-Methyl-2-pentanone	43	4.758	4.758	(0.917)	526590	689.595	140
58 Toluene	92	4.573	4.573	(0.881)	437604	249.893	50
59 trans-1,3-Dichloropropene	75	4.764	4.769	(0.918)	269242	260.751	52
60 1,1,2-Trichloroethane	97	4.829	4.829	(0.931)	210343	264.019	53
63 Tetrachloroethene	164	4.737	4.736	(0.913)	153786	262.328	52
64 2-hexanone	43	5.096	5.096	(0.982)	347261	672.996	130
65 Dibromochloromethane	129	4.900	4.900	(0.944)	264044	272.059	54
66 1,2-Dibromoethane	107	4.981	4.987	(0.960)	238963	264.233	53
67 Chlorobenzene	112	5.194	5.194	(1.001)	548146	253.379	51
70 Ethylbenzene	106	5.210	5.215	(1.004)	267679	257.701	52
72 m,p-Xylene (part of total)	106	5.270	5.270	(1.016)	655765	505.280	100
74 o-Xylene (part of total)	106	5.422	5.428	(1.045)	343802	261.034	52
75 Styrene	104	5.444	5.444	(1.049)	576317	269.489	54
76 Bromoform	173	5.450	5.450	(1.050)	201403	275.544	55
78 Isopropyl Benzene	105	5.754	5.760	(1.109)	632845	260.848	52
79 1,1,2,2-Tetrachloroethane	83	5.711	5.716	(0.947)	283911	288.195	58
91 1,3-Dichlorobenzene	146	6.005	6.010	(0.995)	457619	275.991	55
93 1,4-Dichlorobenzene	146	6.038	6.043	(1.001)	477703	278.611	56
94 1,2-Dichlorobenzene	146	6.184	6.190	(1.025)	460007	272.778	55
96 1,2-Dibromo-3-Chloropropane	157	6.473	6.484	(1.073)	60117	295.394	59
97 1,2,4-Trichlorobenzene	180	6.723	6.734	(1.115)	221714	288.668	58
M 102 Xylene (total)	106				999567	766.314	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.

ACSGWMW9R26MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80881

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80881B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	J
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	61	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	56	
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	57	
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.

ACSGWMW9R26MS

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80881

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80881B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

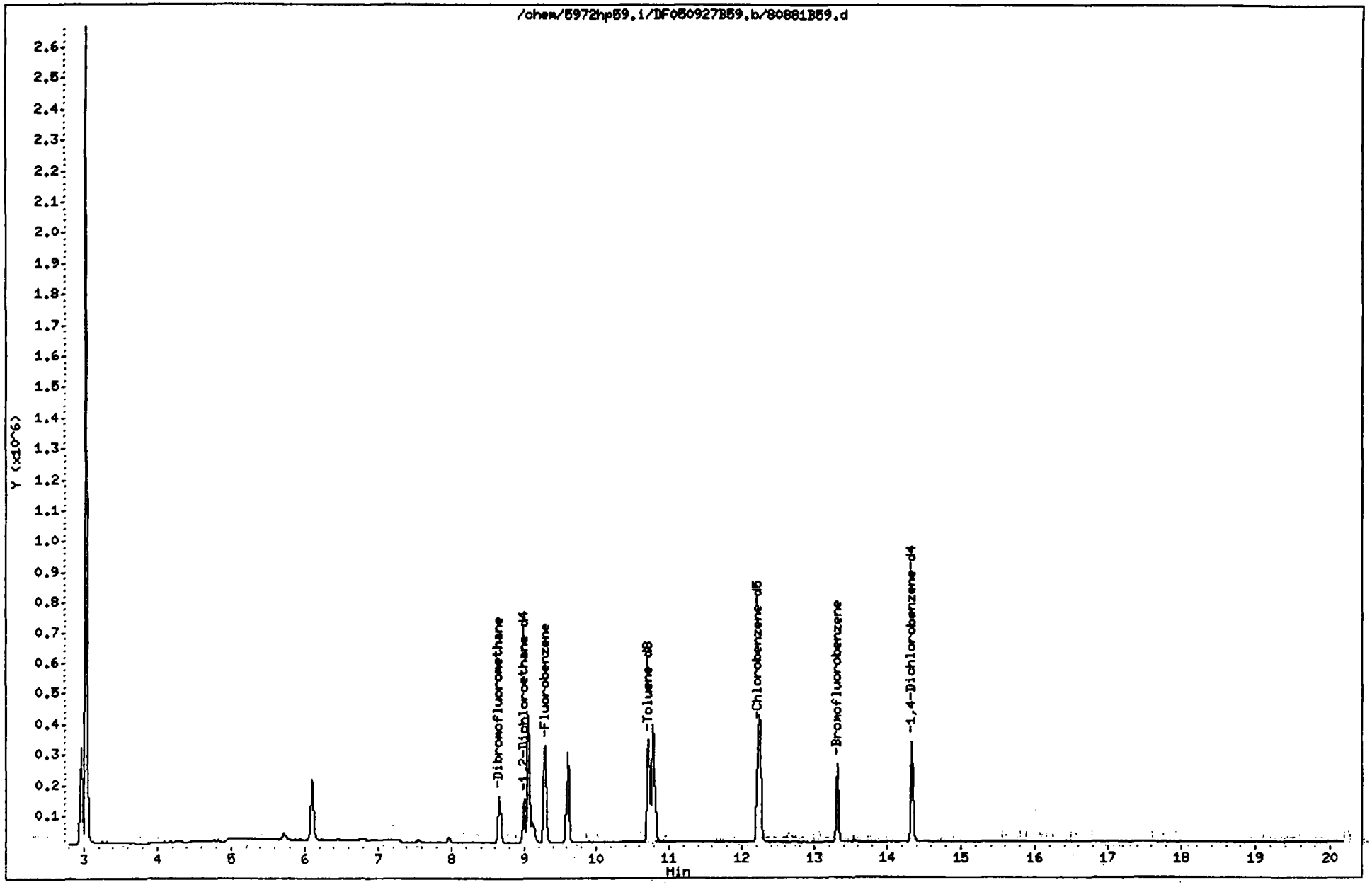
Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

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 I VOA

Data File: /chem/5972hp59.i/DF050927B59.b/80881B59.d
Date : 28-SEP-2005 02:03
Client ID: ACSGWMW9R26MS
Sample Info: 80881:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/80881B59.d
Report Date: 28-Sep-2005 06:00

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/80881B59.d
Lab Smp Id: 80881 Client Smp ID: ACSGWMW9R26MS
Inj Date : 28-SEP-2005 02:03
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 80881:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 4 QC Sample: MS
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	9.289	9.290	(1.000)	383211	250.000	
* 2 Chlorobenzene-d5	117	12.224	12.226	(1.000)	236500	250.000	
* 3 1,4-Dichlorobenzene-d4	152	14.342	14.333	(1.000)	116888	250.000	
$ 4 Dibromofluoromethane	113	8.659	8.660	(0.932)	107553	241.235	48
$ 5 1,2-Dichloroethane-d4	65	8.993	8.995	(0.968)	101517	252.842	51
$ 6 Toluene-d8	98	10.717	10.728	(0.877)	330033	244.405	49
$ 7 Bromofluorobenzene	95	13.308	13.309	(0.928)	127325	234.775	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	6.098	6.109	(0.656)	107068	271.648	54
17 Acetone	43	Compound Not Detected.					
19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF050927B59.b/80881B59.d
Report Date: 28-Sep-2005 06:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon disulfide	76	6.452	6.463	(0.695)	8859	5.83351	1.2(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	9.062	9.064	(0.976)	490644	307.166	61
48 Trichloroethene	130	9.614	9.625	(1.035)	108596	281.765	56
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	10.786	10.797	(0.882)	266001	285.398	57
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	12.254	12.255	(1.002)	268330	279.993	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.

ACSGWMW9R26MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80882

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80882B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	55	
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	63	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	57	
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	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.

ACSGWMW9R26MSD

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 80882

Sample wt/vol: 5 (g/ml) ML Lab File ID: 80882B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

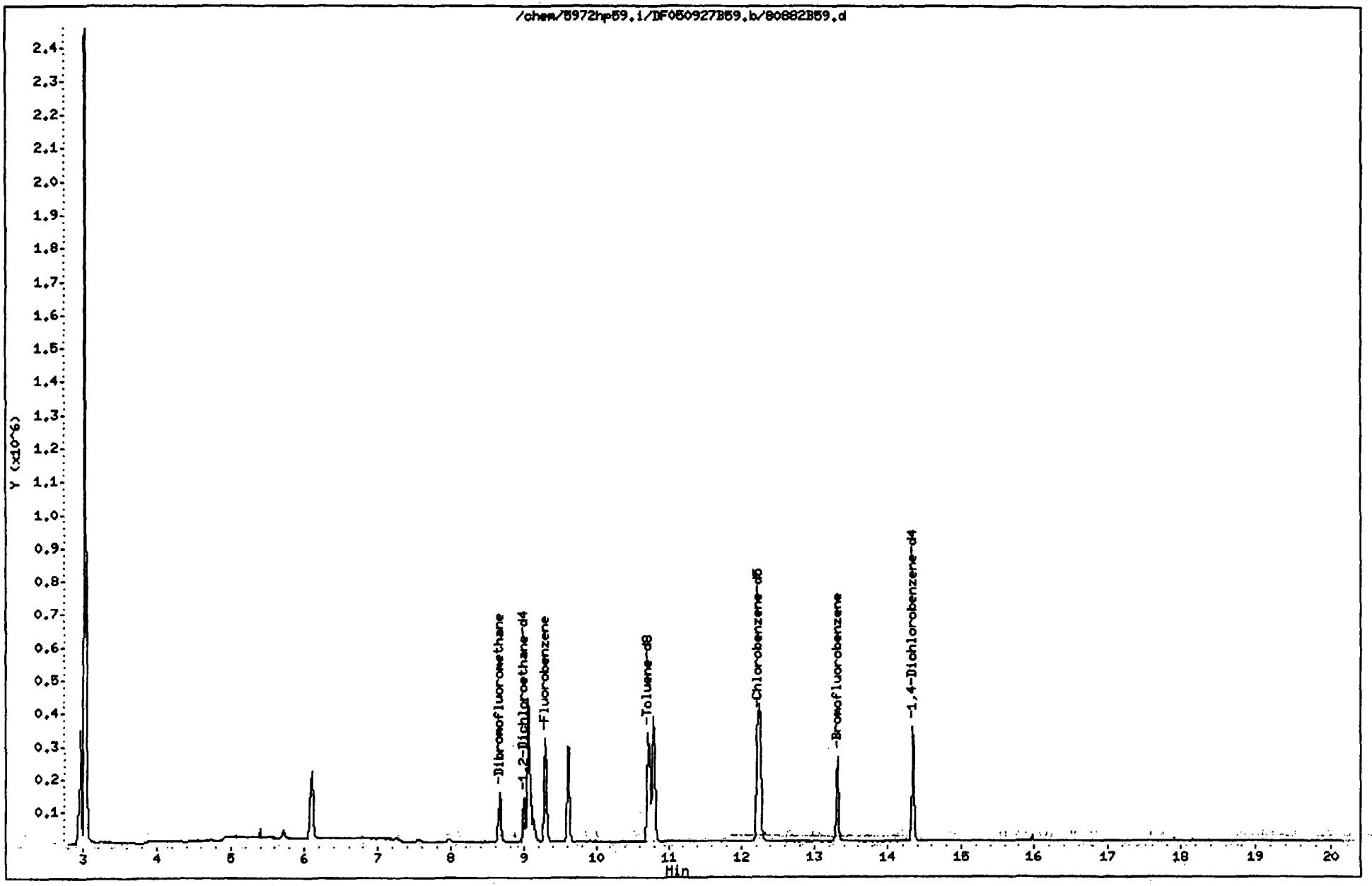
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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/DF050927B59.b/80882B59.d
Date : 28-SEP-2005 02:31
Client ID: ACSGWMW9R26MSD
Sample Info: 80882:2481
Purge Volume: 5.0
Column phase: ZB-624

Instrument: 5972hp59.i
Operator: 2481
Column diameter: 0.32



Data File: /chem/5972hp59.i/DF050927B59.b/80882B59.d
Report Date: 28-Sep-2005 06:01

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp59.i/DF050927B59.b/80882B59.d
Lab Smp Id: 80882 Client Smp ID: ACSGWMW9R26MSD
Inj Date : 28-SEP-2005 02:31
Operator : 2481 Inst ID: 5972hp59.i
Smp Info : 80882:2481
Misc Info :
Comment :
Method : /chem/5972hp59.i/DF050927B59.b/W8260B_5ppbv8.m
Meth Date : 28-Sep-2005 05:51 fertile Quant Type: ISTD
Cal Date : 27-SEP-2005 15:45 Cal File: GZ050927A59.d
Als bottle: 5 QC Sample: MSD
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	9.281	9.290	(1.000)	378920	250.000	
*	2 Chlorobenzene-d5	117	12.226	12.226	(1.000)	232186	250.000	
*	3 1,4-Dichlorobenzene-d4	152	14.334	14.333	(1.000)	113686	250.000	
$	4 Dibromofluoromethane	113	8.661	8.660	(0.933)	107882	244.713	49
$	5 1,2-Dichloroethane-d4	65	8.996	8.995	(0.969)	98552	248.237	50
$	6 Toluene-d8	98	10.719	10.728	(0.877)	323661	244.139	49
$	7 Bromofluorobenzene	95	13.310	13.309	(0.929)	125789	238.476	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	6.100	6.109	(0.657)	107395	275.564	55
	17 Acetone	43	Compound Not Detected.					
	19 1,1,2-trichloro-1,2,2-trifluo	101	Compound Not Detected.					

Data File: /chem/5972hp59.i/DF050927B59.b/80882B59.d
Report Date: 28-Sep-2005 06:01

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	9.055	9.064	(0.976)	499342	316.151	63(R)
48 Trichloroethene	130	9.616	9.625	(1.036)	108246	284.038	57
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	10.788	10.797	(0.882)	268124	293.021	59
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	12.256	12.255	(1.002)	270316	287.306	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

R - Spike/Surrogate failed recovery limits.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS-89

Collection Date: September 21 through September 23, 2005

LDC Report Date: October 26, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: CompuChem

Sample Delivery Group (SDG): 7788

Sample Identification

ACSGWMW54R26
ACSGWMW5526
ACSGWMW1526
ACSGWTB0226
ACSGWMW1426
ACSGWMW2926
ACSGWMW9R26
ACSGWMW1926
ACSGWMW0626
ACSGWMW0626DL
ACSGWDUP0326
ACSGWDUP0326DL
ACSGWMW48-26
ACSGWMW4926
ACSGWMW10C26
ACSGWMW10C26DL
ACSGWMW5626
ACSGWMW5626DL
ACSGWTB0326
ACSGWEB0326
ACSGWEB0226
ACSGWMW9R26MS
ACSGWMW9R26MSD

Introduction

This data review covers 23 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 compounds 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
9/23/05	2-Butanone 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane Methyl acetate	33.25 28.74 34.95 40.26 41.0	ACSGWMW5526 VBLKBW	J (all detects) UJ (all non-detects)	A
9/27/05	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane Methyl acetate	32.10 30.97 34.10 42.48 29.42 35.70	ACSGWMW1426 ACSGWMW2926 ACSGWMW9R26 ACSGWMW1926 ACSGWMW0626 ACSGWMW9R26MS ACSGWMW9R26MSD VBLKCS	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
9/26/05	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone Methyl acetate Cyclohexane	31.26 42.89 43.92 60.61 50.07 34.93	ACSGWMW0626DL ACSGWDUP0326 ACSGWDUP0326DL ACSGWMW48-26 ACSGWMW4926 ACSGWMW10C26 ACSGWMW10C26DL ACSGWMW5626 ACSGWTB0326 ACSGWEB0326 ACSGWEB0226 VBLKCT	J (all detects) UJ (all non-detects)	A
9/29/05	Bromomethane	50.70	ACSGWMW5626DL VBLKFD	J (all detects) UJ (all non-detects)	A
9/22/05	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether 1,2,4-Trichlorobenzene	33.76 31.37 37.86 35.07	ACSGWMW54R26 ACSGWMW1526 ACSGWTB0226 VBLKAK	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values for all compounds were within method criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Analysis Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
VBLKBW	9/23/05	Methylene chloride	0.94 ug/L	ACSGWMW5526
VBLKAK	9/22/05	1,2,4-Trichlorobenzene	1.9 ug/L	ACSGWMW54R26 ACSGWMW1526 ACSGWTB0226

Sample concentrations were compared to concentrations detected in the method 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 method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
ACSGWMW5526	Methylene chloride	1.2 ug/L	5.0UB ug/L

Samples ACSGWTB0226 and ACSGWTB0326 were identified as trip blanks. No volatile contaminants were found in these blanks.

Samples ACSGWEB0326 and ACSGWEB0226 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
ACSGWEB0226	9/23/05	cis-1,2-Dichloroethene Toluene	1.3 ug/L 2.1 ug/L	ACSGWMW10C26 ACSGWMW10C26DL ACSGWMW5626 ACSGWMW5626DL
ACSGWEB0326	9/23/05	Toluene	0.76 ug/L	ACSGWMW10C26 ACSGWMW10C26DL ACSGWMW5626 ACSGWMW5626DL

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.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
VBLKAK	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 75 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWTB0226	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 75 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW54R26	Dibromofluoromethane 1,2-Dichloroethane-d4	78 (80-120) 78 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P
ACSGWMW1526	Dibromofluoromethane 1,2-Dichloroethane-d4	77 (80-120) 77 (80-120)	All TCL compounds	J (all detects) UJ (all non-detects)	P

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

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
ACSGWMW0626 ACSGWDUP0326 ACSGWMW10C26 ACSGWMW5626	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 ACSGWMW0626 and ACSGWDUP0326 and samples ACSGWMW0626DL and ACSGWDUP0326DL were identified as field duplicates. No volatiles were detected in any

of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	ACSGWMW0626	ACSGWDUP0326	
Chloroethane	14	15	7
Benzene	220	230	4

Compound	Concentration (ug/L)		RPD
	ACSGWMW0626DL	ACSGWDUP0326DL	
Chloroethane	29	20	37
Benzene	230	230	0

ACS-89
Volatiles - Data Qualification Summary - SDG 7788

SDG	Sample	Compound	Flag	A or P	Reason
7788	ACSGWMW5526	2-Butanone 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane Methyl acetate	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7788	ACSGWMW1426 ACSGWMW2926 ACSGWMW9R26 ACSGWMW1926 ACSGWMW0626	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane Methyl acetate	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7788	ACSGWMW0626DL ACSGWDUP0326 ACSGWDUP0326DL ACSGWMW48-26 ACSGWMW4926 ACSGWMW10C26 ACSGWMW10C26DL ACSGWMW5626 ACSGWTB0326 ACSGWEB0326 ACSGWEB0226	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone Methyl acetate Cyclohexane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7788	ACSGWMW5626DL	Bromomethane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7788	ACSGWMW54R26 ACSGWMW1526 ACSGWTB0226	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether 1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
7788	ACSGWTB0226 ACSGWMW54R26 ACSGWMW1526	All TCL compounds	J (all detects) UJ (all non-detects)	P	Surrogate recovery (%R)
7788	ACSGWMW0626 ACSGWDUP0326 ACSGWMW10C26 ACSGWMW5626	Benzene	J (all detects)	A	Compound quantitation and CRQLs

ACS-89
Volatiles - Laboratory Blank Data Qualification Summary - SDG 7788

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
7788	ACSGWMW5526	Methylene chloride	5.0UB ug/L	A

ACS-89
Volatiles - Field Blank Data Qualification Summary - SDG 7788

No Sample Data Qualified in this SDG

B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	15		
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	UJ
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	230	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	UJ
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	UJ
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	9.9	NJ
2.	UNKNOWN	7.97	9.9	J
3.				
4.				
5.				
6.				
7.				
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
74-87-3	Chloromethane	8.4	U
75-01-4	Vinyl Chloride	8.4	U
74-83-9	Bromomethane	8.4	U
75-00-3	Chloroethane	20	D
75-69-4	Trichlorofluoromethane	8.4	U
75-35-4	1,1-Dichloroethene	8.4	U
75-15-0	Carbon disulfide	8.4	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	8.4	U
67-64-1	Acetone	21	U UJ
75-09-2	Methylene Chloride	8.4	U
156-60-5	trans-1,2-Dichloroethene	8.4	U
1634-04-4	Methyl-tert-butyl ether	8.4	U
75-34-3	1,1-Dichloroethane	8.4	U
156-59-2	cis-1,2-Dichloroethene	8.4	U
78-93-3	2-butanone	21	U UJ
67-66-3	Chloroform	8.4	U
71-55-6	1,1,1-Trichloroethane	8.4	U
56-23-5	Carbon Tetrachloride	8.4	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	8.4	U
79-01-6	Trichloroethene	8.4	U
78-87-5	1,2-Dichloropropane	8.4	U
75-27-4	Bromodichloromethane	8.4	U
10061-01-5	cis-1,3-Dichloropropene	8.4	U
108-10-1	4-Methyl-2-pentanone	21	U UJ
108-88-3	Toluene	8.4	U
10061-02-6	trans-1,3-Dichloropropene	8.4	U
79-00-5	1,1,2-Trichloroethane	8.4	U
127-18-4	Tetrachloroethene	8.4	U
591-78-6	2-hexanone	21	U UJ
124-48-1	Dibromochloromethane	8.4	U
106-93-4	1,2-Dibromoethane	8.4	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	8.4	U
100-41-4	Ethylbenzene	8.4	U
100-42-5	Styrene	8.4	U
75-25-2	Bromoform	8.4	U
98-82-8	Isopropyl Benzene	8.4	U
79-34-5	1,1,2,2-Tetrachloroethane	8.4	U
541-73-1	1,3-Dichlorobenzene	8.4	U
106-46-7	1,4-Dichlorobenzene	8.4	U
95-50-1	1,2-Dichlorobenzene	8.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.4	U
120-82-1	1,2,4-Trichlorobenzene	8.4	U
1330-20-7	Xylene (total)	8.4	U
79-20-9	Methyl acetate	8.4	U UJ
110-82-7	Cyclohexane	8.4	U UJ
108-87-2	Methylcyclohexane	8.4	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWDUP0326DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778810

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778810D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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	5.73	16	NJD
2.					
3.					
4.					
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FORM I VOA-TIC

Propylene

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.3	J
78-93-3	2-butanone	13	U UJ
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 UJ
108-88-3	Toluene	2.1	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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10 of 10

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778817

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778817A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	19	J
2.				
3.				
4.				
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0326

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
108-88-3	Toluene	0.76	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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWEB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

9/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWEB0326

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778816

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778816A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.97	6.9	J
2.				
3.				
4.				
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	14	
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 UJ
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	220	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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.72	13	NJ
2. 1066-40-6	SILANOL, TRIMETHYL-	7.95	30	NJ
3.				
4.				
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	29	D
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon disulfide	10	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	10	U
67-64-1	Acetone	25	U UJ
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-butanone	25	U UJ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	25	U UJ
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-hexanone	25	U UJ
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropyl Benzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Xylene (total)	10	U
79-20-9	Methyl acetate	10	U UJ
110-82-7	Cyclohexane	10	U UJ
108-87-2	Methylcyclohexane	10	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW0626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778809

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778809DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.0

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	5.73	15	NJD
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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	330	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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.27	6.8	J
2.		UNKNOWN	6.80	6.1	J
3.	1066-40-6	SILANOL, TRIMETHYL-	7.96	22	NJ
4.					
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26DL

ab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
75-15-0	Carbon disulfide	15	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	15	U
67-64-1	Acetone	37	U UJ
75-09-2	Methylene Chloride	15	U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl-tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-butanone	37	U UJ
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	350	D
107-06-2	1,2-Dichloroethane	15	U
79-01-6	Trichloroethene	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	37	U UJ
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-hexanone	37	U UJ
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW10C26DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropyl Benzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-Chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
1330-20-7	Xylene (total)	15	U
79-20-9	Methyl acetate	15	U UJ
110-82-7	Cyclohexane	15	U UJ
108-87-2	Methylcyclohexane	15	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW10C26DL

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778813

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778813DA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.9

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.					
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1426

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778805

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778805B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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-	7.96	30	NJ
2.				
3.				
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FORM I VOA-TIC

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	1.1	J J
75-00-3	Chloroethane	1.9	J J
75-69-4	Trichlorofluoromethane	5.0	U UJ
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	1.0	J J
75-34-3	1,1-Dichloroethane	5.0	U UJ
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	9.6	J
107-06-2	1,2-Dichloroethane	5.0	U UJ
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

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778803

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778803B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	0.72	5.0	J J
2.	593-70-4	METHANE, CHLOROFLUORO-	0.82	13	NJ NJ
3.	0-00-0	ETHENE, ETHYLOXY-	1.18	7.6	NJ NJ
4.					
5.					
6.					
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FORM I VOA-TIC

10/24/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	8.8	
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 UJ
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 UJ
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	2.0	J
591-78-6	2-hexanone	13	U UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW1926

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778808

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778808B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	5.71	8.2	NJ
2.		UNKNOWN	7.95	7.1	J
3.					
4.					
5.					
6.					
7.					
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9.					
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	42	
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	1.2	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 UJ
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/26/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW2926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW2926

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778806

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778806B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.97	12	J
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	11	
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 UJ
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	170	
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/28/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW48-26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778811

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778811RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	7.3	J
2. 352-93-2	DIETHYL SULFIDE	9.59	6.0	NJ
3.				
4.				
5.				
6.				
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FORM I VOA-TIC

10/18/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	9.3	
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 UJ
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	170	
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW4926

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/30/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW4926

ab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778812

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778812RA59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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. 352-93-2	DIETHYL SULFIDE	9.60	6.2	NJ
2. 873-94-9	CYCLOHEXANONE, 3,3,5-TRIMETH	14.89	9.3	NJ
3.				
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FORM I VOA-TIC

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 US
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

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW54R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778801

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778801B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: RTX-VMS ID: 0.18 (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.
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FORM I VOA-TIC

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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	1.2	JB 5.0uB
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 UJ
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5526

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/21/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5526

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778802

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778802A59

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/23/05

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.
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FORM I VOA-TIC

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
74-87-3	Chloromethane	42	U
75-01-4	Vinyl Chloride	42	U
74-83-9	Bromomethane	42	U
75-00-3	Chloroethane	42	U
75-69-4	Trichlorofluoromethane	42	U
75-35-4	1,1-Dichloroethene	42	U
75-15-0	Carbon disulfide	42	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	42	U
67-64-1	Acetone	100	U UJ
75-09-2	Methylene Chloride	42	U
156-60-5	trans-1,2-Dichloroethene	42	U
1634-04-4	Methyl-tert-butyl ether	42	U
75-34-3	1,1-Dichloroethane	42	U
156-59-2	cis-1,2-Dichloroethene	42	U
78-93-3	2-butanone	100	U UJ
67-66-3	Chloroform	42	U
71-55-6	1,1,1-Trichloroethane	42	U
56-23-5	Carbon Tetrachloride	42	U
71-43-2	Benzene	3300	E J
107-06-2	1,2-Dichloroethane	42	U
79-01-6	Trichloroethene	42	U
78-87-5	1,2-Dichloropropane	42	U
75-27-4	Bromodichloromethane	42	U
10061-01-5	cis-1,3-Dichloropropene	42	U
108-10-1	4-Methyl-2-pentanone	100	U UJ
108-88-3	Toluene	42	U
10061-02-6	trans-1,3-Dichloropropene	42	U
79-00-5	1,1,2-Trichloroethane	42	U
127-18-4	Tetrachloroethene	42	U
591-78-6	2-hexanone	100	U UJ
124-48-1	Dibromochloromethane	42	U
106-93-4	1,2-Dibromoethane	42	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	42	U
100-41-4	Ethylbenzene	42	U
100-42-5	Styrene	42	U
75-25-2	Bromoform	42	U
98-82-8	Isopropyl Benzene	42	U
79-34-5	1,1,2,2-Tetrachloroethane	42	U
541-73-1	1,3-Dichlorobenzene	42	U
106-46-7	1,4-Dichlorobenzene	42	U
95-50-1	1,2-Dichlorobenzene	42	U
96-12-8	1,2-Dibromo-3-Chloropropane	42	U
120-82-1	1,2,4-Trichlorobenzene	42	U
1330-20-7	Xylene (total)	42	U
79-20-9	Methyl acetate	42	U UJ
110-82-7	Cyclohexane	42	U UJ
108-87-2	Methylcyclohexane	42	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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	7.96	63	J
2.					
3.					
4.					
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30.					

FORM I VOA-TIC

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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 UJ
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	2.7	DJ
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	390	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 I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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 I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW5626DL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778814

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778814D2A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/29/05

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
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FORM I VOA-TIC

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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	6.2	
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
110-82-7	Cyclohexane	5.0	U ~~UJ~~
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWMW9R26

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778807

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778807B59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	17	J
2. 111-43-3	DI-N-PROPYL ETHER	9.13	13	NJ
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FORM I VOA-TIC

10/3/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U UJ
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 UJ
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

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution 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 UJ
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 UJ
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 I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0226

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778804

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778804B62

Level: (low/med) LOW Date Received: 09/22/05

% Moisture: not dec. _____ Date Analyzed: 09/22/05

GC Column: RTX-VMS ID: 0.18 (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.				
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FORM I VOA-TIC

10/3/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
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 UJ
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 UJ
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U

FORM I VOA

10/3/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

GC Column: ZB-624 ID: 0.32 (mm) Dilution 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 UJ
110-82-7	Cyclohexane	5.0	U UJ
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

10/31/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ACSGWTB0326

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7788

Matrix: (soil/water) WATER Lab Sample ID: 778815

Sample wt/vol: 5 (g/ml) ML Lab File ID: 778815A59

Level: (low/med) LOW Date Received: 09/26/05

% Moisture: not dec. _____ Date Analyzed: 09/28/05

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	7.96	5.2	J
2.				
3.				
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FORM I VOA-TIC

10/31/05

LDC #: 14145B1
SDG #: 7788
Laboratory: CompuChem

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 10/26/05
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: 9/21 — 9/23
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2 ≥0.990
IV.	Continuing calibration	SW	
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
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	SW	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 9, 11 D1 = 10, 12
XVII.	Field blanks	SW	*TB = 4, 19 EB = 20, 21

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 5	ACSGWMW54R26	11 3	ACSGWDUP0326 D	21 3	ACSGWEB0226	31 1	VBLKBW
2 1	ACSGWMW5526	12 3	ACSGWDUP0326DL D1	22 2	ACSGWMW9R26MS	32 2	VBLKCS
3 5	ACSGWMW1526	13 3	ACSGWMW4826 OK	23 2	ACSGWMW9R26MSD	33 3	VBLKCT
4 5	ACSGWTB0226	14 3	ACSGWMW4926	24		34 4	VBLKFD
5 2	ACSGWMW1426	15 3	ACSGWMW10C26	25		35 5	VBLKAK
6 2	ACSGWMW2926	16 3	ACSGWMW10C26DL	26		36	
7 2	ACSGWMW9R26	17 3	ACSGWMW5626	27		37	
8 2	ACSGWMW1926	18 4	ACSGWMW5626DL	28		38	
9 2	ACSGWMW0626 D	19 3	ACSGWTB0326	29		39	
10 3	ACSGWMW0626DL D1	20 3	ACSGWEB0326	30		40	

1-4 = 9/21/05
5-14 - 9/22/05
15-21 = 9/23/05

14145B1W.wpd

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 chorlde**	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 #: 1(58)
SDG #: 7788

VALIDATION FIND(S WORKSHEET
Continuing Calibration

Pag(1 of 2
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
	9/23/05	8260 CCV	M	33.25		VBLKBW, 2	J/W/Δ
	0959		Y	28.74			
			Z	34.95			
			MM	40.26			
			Methyl Acetate	41.0			
	9/27/05	8260 CCV	F	32.10		VBLKCS, 5→9,	
	2236		M	30.97		22, 23	
			Y	34.10			
			Z	42.48			
			MM	29.42			
			Methyl Acetate	35.70			
	9/28/05	8260 CCV	F	31.26		VBLKCT, 10→17	
	1113		M	42.89		19→21	
			Y	43.92			
			Z	60.61			
			Methyl Acetate	↑ ~~34.93~~ 50.07			
			Cyclohexane	34.93			
	9/29/05	8260 CCV	B	50.70		VBLKFD, 18	
	0955						

CONCAL1S

LDC #: 14145B1
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 2 of 2
Reviewer: PS
2nd Reviewer: M

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
	9/22/09	8260CCV	JJ	33.76		VBLKAK, 1,	J/UJ/A
	1823		B	31.37		3, 4	
			LL	37.86			
			KKK	35.07			

CONC...1S

LDC #: 1(15B)
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: R
2nd Reviewer: K

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 Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/23/05
Conc. units: ug/L
Associated Samples: 2

Compound	Blank ID	Sample Identification								
	VBLKBW	2								
Methylene chloride	0.94	1.2/5.0UB								
Acetone										
CRQL										

Blank analysis date: 9/22/05
Conc. units: ug/L
Associated Samples: 1, 3, 4 (ND)

Compound	Blank ID	Sample Identification								
	VBLKAK									
Methylene chloride KKK	1.9									
Acetone										
CRQL										

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 14145B1
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: [illegible]
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=21+20 Associated Samples: 15 → 18 (ND)

Compound	Blank ID 21	Blank ID 20	Sample Identification							
	9/23/05	9/23/05								
~~Methylene chloride~~ 0.88	1.3	—								
Acetone cc	2.1	0.76								
Chloroform										
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							
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 #: 14 (SB)
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Surrogate Spikes

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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 all surrogate %R within QC limits?

Y N N/A If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R out of outside of criteria?

#	Date	Sample ID	Surrogate	%Recovery (Limits)	Qualifications
		VBLKAK	DFM	78 (80-120)	J/NJ/P
			DCE	75 ( )	
				( )	
		4	↓	78 ( )	
				75 ( )	
				( )	
		1	↓	78 ( )	
				78 ( )	
				( )	
		3	↓	77 ( )	
				77 ( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	QC Limits (Soil)	QC Limits (Water)
SMC1 (TOL) = Toluene-d8	81-117	88-110
SMC2 (BFB) = Bromofluorobenzene	74-121	86-115
SMC3 (DCE) = 1,2-Dichloroethane-d4	80-120	80-120
SMC4 (DFM) = Dibromofluoromethane	80-120	86-118

LDC #: 14145B1
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Page: 1 of 1
Reviewer:
2nd Reviewer:

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	compound ~~Sample ID~~	Finding	Associated Samples	Qualifications
		V	exceeded cal range	9, 11, 15, 17	J/A det

Comments: See sample calculation verification worksheet for recalculations

CO 4.1SB

LDC #: 14145B1
SDG #: 7788

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 6 of 1
Reviewer:
2nd reviewer:

ETHOD: 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/L)		RPD
	9	11	
D	14	15	7
V	220	230	4

Compound	Concentration (ug/L)		RPD
	10	12	
D	29	20	37
V	230	230	0

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

ACS-89
Data Validation Reports
LDC# 14145

Volatiles

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Chad Smith

November 1, 2005

SUBJECT: Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS-89 Project

Dear Mr. Smith,

Enclosed is the Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS-89 project.

We appreciate this opportunity to support MWH Americas, Ic. in the performance of this project. Please feel free to call me at (760) 634-0437 if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\MWH\ACS\14145COVP.wpd

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT

American Chemical Service

10/31/05

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Glossary

CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DQO	Data Quality Objectives
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
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 for Lower Aquifer included the collection and analyses of 41 groundwater samples including quality control (QC) samples, re-analysis and dilutions. The analyses were performed by the following methods:

Volatile Organic Compounds 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, 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 4 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 and matrix spike/matrix spike duplicates (MS/MSDs).

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, field 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.

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 and 2-butanone 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 FSP or 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 41 groundwater 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 1968 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.

No data were qualified based on the relative response factors. The relative response factors for these compounds were within the criteria for acceptance of 0.05 in the initial calibration and/or the continuing calibration standards

One hundred sixty one 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 several compounds were outside the acceptance criteria of 25 percent. The affected samples were identified in the data validation reports.

2.1.2 Surrogates

Five hundred and seventy six VOC results were qualified as detected estimated (J) and non-detected estimated (UJ) in twelve samples. The surrogate percent recovery for dibromofluoromethane and 1,2-dichloroethane-d4 were outside the acceptance criteria. The details regarding the qualification of results are provided in the data validation reports.

2.1.3 MS/MSD Samples

Five VOC results were qualified detected estimated (J) and non-detected estimated (UJ). The relative percent differences (RPD) for 1,1-dichloroethene, benzene, trichloroethene, toluene and chlorobenzene were outside the acceptance criteria. The affected samples were identified in the data validation reports.

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 standards nonconformances. The recoveries 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

Due to compound quantitation nonconformances (ie, sample result exceeded calibration range) benzene in samples ACSGWMW0626, ACSGWDUP0326, ACSGWMW10C26 and ACSGWMW5626 were qualified as detected estimated (J). The details regarding the qualification of results are provided in the data validation reports.

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 two 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

As a result of method blank contamination, methylene chloride was qualified as non-detected (UB). The details regarding the qualification of results are provided in the data validation reports.

2.2.2.2 Trip Blanks

No QC issues were associated with the method blanks for this analysis.

2.2.2.3 Field Blanks

No QC issues were associated with the method blanks for this analysis.

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 method for volatile 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 1968 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	1968	0	100
Total	**1968**	**0**	**100**

The completeness percentage based on rejected data met the 95 percent DQO goal.

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Chad Smith

November 1, 2005

SUBJECT: ACS-89, Data Validation

Dear Mr. Smith,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on October 17, 2005. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 14145:

SDG #	Fraction
7771, 7788	Volatiles

The data validation was performed under EPA Level III and IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- *Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan, Rev 0, November 2001*
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\MWH\ACS\14145COV.wpd

Attachment 1

RTC

LDC #14145 (MWH Americas, Inc.-Chicago IL / ACS-89)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260B)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	7771	10/17/05	11/07/05	16	0																																
A	7771	10/17/05	11/07/05	4	0																																
B	7788	10/17/05	11/07/05	21	0																																
Total	B/LR			41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41

Shade[illegible] indicate Level IV validation (all other cells are Level III validation). These sample counts d[illegible]clude MS/MSD, and DUPs

14145ST.w[illegible]